

Luxembourg Radio Interface specifications according to Directive 1999/5/EC

(Version of: 28 October 2016)

SRD		12
<hr/>		
<i>UWB applications (Generic)</i>		12
0.009 - 3000000 MHz.....	LUX/RI UWB 01.1	12
<i>UWB applications (LT1)</i>		13
0.009 - 3000000 MHz.....	LUX/RI UWB 02.1	13
<i>UWB applications (road and rail)</i>		14
0.009 - 3000000 MHz.....	LUX/RI UWB 03.1	14
<i>UWB applications (on board aircraft)</i>		15
0.009 - 3000000 MHz.....	LUX/RI UWB 04.1	15
<i>UWB applications (Material sensing)</i>		16
0.009 - 3000000 MHz.....	LUX/RI UWB 05.1	16
<i>UWB applications (BMA)</i>		17
0.009 - 3000000 MHz.....	LUX/RI UWB 06.1	17
<i>Non-specific Short Range Devices</i>		18
6.765 - 6.795 MHz.....	LUX/RI SRD-A1 01	18
13.553 - 13.567 MHz.....	LUX/RI SRD-A1 02	19
26.957 - 27.283 MHz.....	LUX/RI SRD-A1 03	20
26.99 - 27 MHz.....	LUX/RI SRD-A1 31	21
27.04 - 27.05 MHz.....	LUX/RI SRD-A1 32	22
27.09 - 27.1 MHz.....	LUX/RI SRD-A1 33	23
27.14 - 27.15 MHz.....	LUX/RI SRD-A1 34	24
27.19 - 27.2 MHz.....	LUX/RI SRD-A1 35	25
40.66 - 40.7 MHz.....	LUX/RI SRD-A1 04	26
138.2 - 138.45 MHz.....	LUX/RI SRD-A1 05	27
169.4 - 169.475 MHz.....	LUX/RI SRD-A1 36	28
169.4 - 169.4875 MHz.....	LUX/RI SRD-A1 37	29
169.4875 - 169.5875 MHz.....	LUX/RI SRD-A1 38	30
169.5875 - 169.8125 MHz.....	LUX/RI SRD-A1 39	31
433.05 - 434.79 MHz.....	LUX/RI SRD-A1 06	32
433.05 - 434.79 MHz.....	LUX/RI SRD-A1 07	33
434.04 - 434.79 MHz.....	LUX/RI SRD-A1 08	34
863 - 870 MHz.....	LUX/RI SRD-A1 09	35
863 - 870 MHz.....	LUX/RI SRD-A1 10	36
863 - 870 MHz.....	LUX/RI SRD-A1 11	37
863 - 865 MHz.....	LUX/RI SRD-A1 22	38
865 - 868 MHz.....	LUX/RI SRD-A1 22.1	39
868 - 868.6 MHz.....	LUX/RI SRD-A1 12	40
868 - 868.6 MHz.....	LUX/RI SRD-A1 23	41
868.7 - 869.2 MHz.....	LUX/RI SRD-A1 13	42
868.7 - 869.2 MHz.....	LUX/RI SRD-A1 25	43
869.4 - 869.65 MHz.....	LUX/RI SRD-A1 14	44
869.4 - 869.65 MHz.....	LUX/RI SRD-A1 26	45
869.4 - 869.65 MHz.....	LUX/RI SRD-A1 27	46
869.7 - 870 MHz.....	LUX/RI SRD-A1 15	47
869.7 - 870 MHz.....	LUX/RI SRD-A1 28	48
869.7 - 870 MHz.....	LUX/RI SRD-A1 29	49
870 - 876 MHz.....	LUX/RI SRD-A1 40	50
870 - 875.8 MHz.....	LUX/RI SRD-A1 41	51

915 - 921 MHz.....	LUX/RI SRD-A1 42	52
915.2 - 920.8 MHz.....	LUX/RI SRD-A1 43	53
2400 - 2483.5 MHz.....	LUX/RI SRD-A1 16	54
5725 - 5875 MHz.....	LUX/RI SRD-A1 17	55
24000 - 24250 MHz.....	LUX/RI SRD-A1 18	56
61000 - 61500 MHz.....	LUX/RI SRD-A1 19	57
57000 - 64000 MHz.....	LUX/RI SRD-A1 30	58
122000 - 123000 MHz.....	LUX/RI SRD-A1 20	59
244000 - 246000 MHz.....	LUX/RI SRD-A1 21	60
Tracking, Tracing and Data Acquisition.....		61
0.4569 - 0.4571 MHz.....	LUX/RI SRD-A2 01	61
169.4 - 169.475 MHz.....	LUX/RI SRD-A2 02	62
870 - 875.6 MHz.....	LUX/RI SRD-A2 04	63
2483.5 - 2500 MHz.....	LUX/RI SRD-A2 05	64
2483.5 - 2500 MHz.....	LUX/RI SRD-A2 06	65
5725 - 5875 MHz.....	LUX/RI SRD-A2 07	66
Wideband Data Transmission systems		67
2400 - 2483.5 MHz.....	LUX/RI SRD-A3 01	67
5150 - 5350 MHz.....	LUX/RI SRD-WDTS 01	68
5470 - 5725 MHz.....	LUX/RI SRD-WDTS 02	69
57000 - 66000 MHz.....	LUX/RI SRD-A3 08	70
Railway applications		71
27.09 - 27.1 MHz.....	LUX/RI SRD-A4 02	71
0.984 - 7.484 MHz.....	LUX/RI SRD-A4 04	72
7.3 - 23 MHz.....	LUX/RI SRD-A4 05	73
76000 - 77000 MHz.....	LUX/RI SRD-A4 06	74
Transport and Traffic Telematics (TTT).....		75
870 - 875.8 MHz.....	LUX/RI SRD-A5 13	75
5795 - 5805 MHz.....	LUX/RI SRD-A5 01	76
5805 - 5815 MHz.....	LUX/RI SRD-A5 02	77
5725 - 5875 MHz.....	LUX/RI SRD-TTT 01	78
63000 - 64000 MHz.....	LUX/RI SRD-RTTT 01	79
76000 - 77000 MHz.....	LUX/RI SRD-A5 04	80
76000 - 77000 MHz.....	LUX/RI SRD-A5 14	81
	New RIS.....	
21650 - 26650 MHz.....	LUX/RI SRD-A5 05	82
24250 - 26650 MHz.....	LUX/RI SRD-A5 05.1	83
77000 - 81000 MHz.....	LUX/RI SRD-A5 06	84
24050 - 24075 MHz.....	LUX/RI SRD-A5 07	85
24075 - 24150 MHz.....	LUX/RI SRD-A5 08	86
24150 - 24250 MHz.....	LUX/RI SRD-A5 09	87
24250 - 24495 MHz.....	LUX/RI SRD-A5 10	88
24495 - 24500 MHz.....	LUX/RI SRD-A5 11	89
24250 - 24500 MHz.....	LUX/RI SRD-A5 12	90
Radiodetermination applications.....		91
2400 - 2483.5 MHz.....	LUX/RI SRD-A6 01	91
9200 - 9500 MHz.....	LUX/RI SRD-A6 02	92
9500 - 9975 MHz.....	LUX/RI SRD-A6 03	93
10.5 - 10.6 GHz	LUX/RI SRD-A6 04	94
13400 - 14000 MHz.....	LUX/RI SRD-A6 05	95
24050 - 24250 MHz.....	LUX/RI SRD-A6 06	96
4500 - 7000 MHz.....	LUX/RI SRD-A6 07	97
8500 - 10600 MHz.....	LUX/RI SRD-A6 08	98
24050 - 27000 MHz.....	LUX/RI SRD-A6 09	99
57000 - 64000 MHz.....	LUX/RI SRD-A6 10	100
75000 - 85000 MHz.....	LUX/RI SRD-A6 11	101
6000 - 8500 MHz.....	LUX/RI SRD-A6 15	102
24050 - 26500 MHz.....	LUX/RI SRD-A6 16	103

57000 - 64000 MHz.....	LUX/RI SRD-A6 17	104
75000 - 85000 MHz.....	LUX/RI SRD-A6 18	105
17100 - 17300 MHz.....	LUX/RI SRD-A6 12	106
30 - 12400 MHz.....	LUX/RI SRD-A6 13	107
3100 - 4800 MHz.....	LUX/RI SRD-A6 19	108
3100 - 4800 MHz.....	LUX/RI SRD-A6 20	109
Alarms.....	110
868.6 - 868.7 MHz.....	LUX/RI SRD-A7 01	110
869.25 - 869.3 MHz.....	LUX/RI SRD-A7 02	111
869.3 - 869.4 MHz.....	LUX/RI SRD-A7 05	112
869.65 - 869.7 MHz.....	LUX/RI SRD-A7 03	113
869.2 - 869.25 MHz.....	LUX/RI SRD-A7 04	114
Model Control.....	115
26.995 - 26.995 MHz.....	LUX/RI SRD-A8 01	115
27.045 - 27.045 MHz.....	LUX/RI SRD-A8 02	116
27.095 - 27.095 MHz.....	LUX/RI SRD-A8 03	117
27.145 - 27.145 MHz.....	LUX/RI SRD-A8 04	118
27.195 - 27.195 MHz.....	LUX/RI SRD-A8 05	119
40.665 - 40.665 MHz.....	LUX/RI SRD-A8 07	120
40.675 - 40.675 MHz.....	LUX/RI SRD-A8 08	121
40.685 - 40.685 MHz.....	LUX/RI SRD-A8 09	122
40.695 - 40.695 MHz.....	LUX/RI SRD-A8 10	123
Model Control / Flying models	124
34.995 - 35.225 MHz.....	LUX/RI SRD-A8 06	124
Inductive applications	125
0.009 - 0.09 MHz.....	LUX/RI SRD-A9 01	125
0.09 - 0.119 MHz.....	LUX/RI SRD-A9 04	126
0.119 - 0.135 MHz.....	LUX/RI SRD-A9 05	127
0.135 - 0.14 MHz.....	LUX/RI SRD-A9 06	128
0.14 - 0.1485 MHz.....	LUX/RI SRD-A9 07	129
6.765 - 6.795 MHz.....	LUX/RI SRD-A9 08	130
7.4 - 8.8 MHz.....	LUX/RI SRD-A9 09	131
13.553 - 13.567 MHz.....	LUX/RI SRD-A9 10	132
13.41 - 13.553 MHz.....	LUX/RI SRD-A9 18	133
13.567 - 13.71 MHz.....	LUX/RI SRD-A9 19	134
13.11 - 13.41 MHz.....	LUX/RI SRD-A9 20	135
13.71 - 14.01 MHz.....	LUX/RI SRD-A9 21	136
12.66 - 13.11 MHz.....	LUX/RI SRD-A9 22	137
14.01 - 14.46 MHz.....	LUX/RI SRD-A9 23	138
11.81 - 12.66 MHz.....	LUX/RI SRD-A9 24	139
14.46 - 15.31 MHz.....	LUX/RI SRD-A9 25	140
13.553 - 13.567 MHz.....	LUX/RI SRD-A9 11	141
13.46 - 13.553 MHz.....	LUX/RI SRD-A9 26	142
13.567 - 13.66 MHz.....	LUX/RI SRD-A9 27	143
13.36 - 13.46 MHz.....	LUX/RI SRD-A9 28	144
13.66 - 13.76 MHz.....	LUX/RI SRD-A9 29	145
13.11 - 13.36 MHz.....	LUX/RI SRD-A9 30	146
13.76 - 14.01 MHz.....	LUX/RI SRD-A9 31	147
12.66 - 13.11 MHz.....	LUX/RI SRD-A9 32	148
14.01 - 14.46 MHz.....	LUX/RI SRD-A9 33	149
26.957 - 27.283 MHz.....	LUX/RI SRD-A9 12	150
10.2 - 11 MHz.....	LUX/RI SRD-A9 13	151
3.155 - 3.4 MHz.....	LUX/RI SRD-A9 14	152
0.1485 - 5 MHz.....	LUX/RI SRD-A9 15	153
5 - 30 MHz.....	LUX/RI SRD-A9 16	154
0.4 - 0.6 MHz.....	LUX/RI SRD-A9 17	155

<i>Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming</i>		
<i>Systems.....</i>		156
29.7 - 47 MHz.....	LUX/RI SRD-A10 01.....	156
173.965 - 216 MHz.....	LUX/RI SRD-A10 02.....	157
863 - 865 MHz.....	LUX/RI SRD-A10 03.....	158
916.1 - 916.5 MHz.....	LUX/RI SRD-A10 16.....	159
917.3 - 917.7 MHz.....	LUX/RI SRD-A10 17.....	160
918.5 - 918.9 MHz.....	LUX/RI SRD-A10 18.....	161
919.7 - 920.1 MHz.....	LUX/RI SRD-A10 19.....	162
174 - 216 MHz.....	LUX/RI SRD-A10 04.....	163
470 - 786 MHz.....	LUX/RI SRD-A10 05.....	164
786 - 789 MHz.....	LUX/RI SRD-A10 11.....	165
823 - 826 MHz.....	LUX/RI SRD-A10 12.....	166
826 - 832 MHz.....	LUX/RI SRD-A10 13.....	167
1785 - 1795 MHz.....	LUX/RI SRD-A10 06.....	168
1795 - 1800 MHz.....	LUX/RI SRD-A10 07.....	169
1800 - 1804.8 MHz.....	LUX/RI SRD-A10 15.....	170
169.4 - 169.475 MHz.....	LUX/RI SRD-A10 08.....	171
169.4875 - 169.5875 MHz.....	LUX/RI SRD-A10 09.....	172
169.6 - 174 MHz.....	LUX/RI SRD-A10 10.....	173
1492 - 1518 MHz.....	LUX/RI SRD-A10 14.....	174
87.5 - 108 MHz.....	LUX/RI SRD-A10 20.....	175
<i>Radio frequency identification applications.....</i>		176
2446 - 2454 MHz.....	LUX/RI SRD-A11 05.....	176
2446 - 2454 MHz.....	LUX/RI SRD-A11 01.....	177
865 - 865.6 MHz.....	LUX/RI SRD-A11 02.....	178
865.6 - 867.6 MHz.....	LUX/RI SRD-A11 03.....	179
867.6 - 868 MHz.....	LUX/RI SRD-A11 04.....	180
915 - 921 MHz.....	LUX/RI SRD-A11 06.....	181
865 - 868 MHz.....	LUX/RI SRD-A11 07.....	New RIS 182
<i>Wireless applications in Healthcare.....</i>		183
402 - 405 MHz.....	LUX/RI SRD-A12 01.1.....	183
401 - 402 MHz.....	LUX/RI SRD-A12 01.2.....	184
405 - 406 MHz.....	LUX/RI SRD-A12 01.3.....	185
0.009 - 0.315 MHz.....	LUX/RI SRD-A12 02.....	186
0.315 - 0.6 MHz.....	LUX/RI SRD-A12 03.....	187
30 - 37.5 MHz.....	LUX/RI SRD-A12 04.....	188
12.5 - 20 MHz.....	LUX/RI SRD-A12 05.....	189
2483.5 - 2500 MHz.....	LUX/RI SRD-A12 06.....	190
Broadcasting Satellite Service		191
<i>Broadcasting-satellite receivers.....</i>		191
11700 - 12500 MHz.....	LUX/RI BSS 02.....	191
Fixed Satellite Service		192
<i>Earth Stations on-board Vessels.....</i>		192
3700 - 4200 MHz.....	LUX/RI ESV 01.....	192
5925 - 6425 MHz.....	LUX/RI ESV 02.....	193
10700 - 11700 MHz.....	LUX/RI ESV 03.....	194
12500 - 12750 MHz.....	LUX/RI ESV 04.....	195
14000 - 14250 MHz.....	LUX/RI ESV 06.....	196
14250 - 14500 MHz.....	LUX/RI ESV 05.....	197
<i>FSS Earth stations.....</i>		198
3400 - 3600 MHz.....	LUX/RI FSS 16.....	198
3600 - 4200 MHz.....	LUX/RI FSS 01.....	199
5725 - 6700 MHz.....	LUX/RI FSS 02.....	200
6700 - 7075 MHz.....	LUX/RI FSS 03.....	201
7900 - 8400 MHz.....	LUX/RI FSS 04.....	202

10700 - 11700 MHz.....	LUX/RI FSS 05.....	203
12500 - 12750 MHz.....	LUX/RI FSS 06.....	204
12750 - 13250 MHz.....	LUX/RI FSS 07.....	205
13750 - 14500 MHz.....	LUX/RI FSS 08.....	206
17700 - 18100 MHz.....	LUX/RI FSS 09.....	207
18100 - 18400 MHz.....	LUX/RI FSS 10.....	208
18400 - 19700 MHz.....	LUX/RI FSS 11.....	209
19700 - 20200 MHz.....	LUX/RI FSS 12.....	210
27500 - 29500 MHz.....	LUX/RI FSS 13.....	211
29500 - 30000 MHz.....	LUX/RI FSS 14.....	212
37500 - 40500 MHz.....	LUX/RI FSS 15.....	213
HEST.....		214
10700 - 12750 MHz.....	LUX/RI HEST 01.....	214
14000 - 14250 MHz.....	LUX/RI HEST 02.....	215
19700 - 20200 MHz.....	LUX/RI HEST 03.....	216
29500 - 30000 MHz.....	LUX/RI HEST 04.....	217
LEST.....		218
10700 - 12750 MHz.....	LUX/RI LEST 01.....	218
14000 - 14250 MHz.....	LUX/RI LEST 02.....	219
19700 - 20200 MHz.....	LUX/RI LEST 03.....	220
29500 - 30000 MHz.....	LUX/RI LEST 04.....	221
Earth Stations On Mobile Platforms (ESOMPs) operating with GSO FSS satellite systems		222
17300 - 20200 MHz.....	LUX/RI ESOMP 01.....	222
27500 - 27828.5 MHz.....	LUX/RI ESOMP 02.....	223
28444.5 - 28948.5 MHz.....	LUX/RI ESOMP 03.....	224
29452.5 - 30000 MHz.....	LUX/RI ESOMP 04.....	225
Earth Stations On Mobile Platforms (ESOMPs) operating with NGSO FSS satellite systems		226
17300 - 20200 MHz.....	LUX/RI ESOMP 05.....	226
27500 - 27828.5 MHz.....	LUX/RI ESOMP 06.....	227
28444.5 - 28836.5 MHz.....	LUX/RI ESOMP 07.....	228
29500 - 30000 MHz.....	LUX/RI ESOMP 08.....	229
Feeder links		230
17300 - 18100 MHz.....	LUX/RI Feeder 01.....	230
27500 - 29500 MHz.....	LUX/RI Feeder 02.....	231
HDFSS.....		232
17300 - 17700 MHz.....	LUX/RI HDFSS 01.....	232
19700 - 20200 MHz.....	LUX/RI HDFSS 02.....	233
29500 - 30000 MHz.....	LUX/RI HDFSS 03.....	234
47500 - 47900 MHz.....	LUX/RI HDFSS 04.....	235
48200 - 48540 MHz.....	LUX/RI HDFSS 05.....	236
49440 - 50200 MHz.....	LUX/RI HDFSS 06.....	237
SIT/SUT.....		238
10700 - 12750 MHz.....	LUX/RI SIT/SUT 01.....	238
17700 - 19700 MHz.....	LUX/RI SIT/SUT 03.....	239
19700 - 20200 MHz.....	LUX/RI SIT/SUT 04.....	240
27500 - 29500 MHz.....	LUX/RI SIT/SUT 05.....	241
29500 - 30000 MHz.....	LUX/RI SIT/SUT 06.....	242
SNG.....		243
10700 - 11700 MHz.....	LUX/RI SNG 01.....	243
14000 - 14500 MHz.....	LUX/RI SNG 01.1.....	244
12500 - 12750 MHz.....	LUX/RI SNG 02.....	245
VSAT.....		246
10700 - 11700 MHz.....	LUX/RI VSAT 01.....	246
14250 - 14500 MHz.....	LUX/RI VSAT 01.1.....	247

Mobile Satellite Service	248
<i>MSS Earth stations</i>	248
137 - 138 MHz..... LUX/RI MSS 01	248
148 - 150.05 MHz..... LUX/RI MSS 01.1	249
1518 - 1525 MHz..... LUX/RI MSS 02	250
1670 - 1675 MHz..... LUX/RI MSS 02.1	251
1525 - 1544 MHz..... LUX/RI MSS 03.1	252
1631.5 - 1634.5 MHz..... LUX/RI MSS 03.1.1	253
1555 - 1559 MHz..... LUX/RI MSS 03.2	254
1656.5 - 1660.5 MHz..... LUX/RI MSS 03.2.1	255
1525 - 1544 MHz..... LUX/RI MSS 04.1	256
1626.5 - 1645.5 MHz..... LUX/RI MSS 04.1.1	257
1555 - 1559 MHz..... LUX/RI MSS 04.2	258
1656.5 - 1660.5 MHz..... LUX/RI MSS 04.2.1	259
1525 - 1544 MHz..... LUX/RI MSS 05.1	260
1626.5 - 1645.5 MHz..... LUX/RI MSS 05.1.1	261
1545 - 1559 MHz..... LUX/RI MSS 05.2	262
1646.5 - 1660.5 MHz..... LUX/RI MSS 05.2.2	263
1610 - 1613.5 MHz..... LUX/RI MSS 06	264
1613.8 - 2500 MHz..... LUX/RI MSS 06.1	265
1980 - 2010 MHz..... LUX/RI MSS 07	266
2170 - 2200 MHz..... LUX/RI MSS 07.1	267
10700 - 12750 MHz..... LUX/RI MSS 08	268
14000 - 14250 MHz..... LUX/RI MSS 08.1	269
19700 - 20200 MHz..... LUX/RI MSS 09	270
29500 - 30000 MHz..... LUX/RI MSS 10	271
<i>COSPAS-SARSAT</i>	272
406 - 406.1 MHz..... LUX/RI MSS SARSAT 03	272
<i>Non-voice transmit-only Mobile Earth Stations</i>	273
1613.8 - 1626.5 MHz..... LUX/RI TOES 01	273
Radiodetermination Satellite Service	274
<i>GNSS Repeaters</i>	274
1164 - 1300 MHz..... LUX/RI GNSS 01	274
1559 - 1610 MHz..... LUX/RI GNSS 02	275
Broadcasting	276
<i>Sound analogue</i>	276
0.1485 - 0.255 MHz..... LUX/RI BraSound 01	276
0.5265 - 1.6065 MHz..... LUX/RI BraSound 02	277
87.5 - 108 MHz..... LUX/RI BraSound 03	278
98.7 - 98.7 MHz..... LUX/RI BraSound 04.1	279
99.5 - 99.5 MHz..... LUX/RI BraSound 04.2	280
<i>Sound digital</i>	281
0.1485 - 0.2835 MHz..... LUX/RI BrdSound 01	281
0.5265 - 1.6065 MHz..... LUX/RI BrdSound 02	282
3.95 - 4 MHz..... LUX/RI BrdSound 03	283
5.9 - 6.2 MHz..... LUX/RI BrdSound 04	284
7.2 - 7.4 MHz..... LUX/RI BrdSound 05	285
9.4 - 9.9 MHz..... LUX/RI BrdSound 06	286
11.6 - 12.1 MHz..... LUX/RI BrdSound 07	287
13.57 - 13.87 MHz..... LUX/RI BrdSound 08	288
15.1 - 15.8 MHz..... LUX/RI BrdSound 09	289
17.48 - 17.9 MHz..... LUX/RI BrdSound 10	290
18.9 - 19.02 MHz..... LUX/RI BrdSound 11	291
21.45 - 21.85 MHz..... LUX/RI BrdSound 12	292
25.67 - 26.1 MHz..... LUX/RI BrdSound 13	293

174 - 230 MHz.....	LUX/RI BrdSound 14.....	294	
TV digital.....		295	
174 - 230 MHz.....	LUX/RI BrdTV 01.....	295	
470 - 790 MHz.....	LUX/RI BrdTV 02.....	296	
PMR.....		297	
68 - 74.8 MHz.....	LUX/RI PMR 01.....	297	
75.2 - 87.5 MHz.....	LUX/RI PMR 02.....	298	
146 - 156.5125 MHz.....	LUX/RI PMR 03.....	299	
156.5375 - 156.7625 MHz.....	LUX/RI PMR 04.....	300	
156.8375 - 169.4 MHz.....	LUX/RI PMR 05.....	301	
169.825 - 174 MHz.....	LUX/RI PMR 06.....	302	
384.75 - 385 MHz.....	LUX/RI PMR 10.....	303	
394.75 - 395 MHz.....	LUX/RI PMR 10.1.....	304	
380 - 385 MHz.....	LUX/RI PMR 07.....	305	
390 - 395 MHz.....	LUX/RI PMR 07.1.....	306	
406.1 - 410 MHz.....	LUX/RI PMR 11.....	307	
410 - 420 MHz.....	LUX/RI PMR 08.....	308	
420 - 430 MHz.....	LUX/RI PMR 08.1.....	309	
440 - 450 MHz.....	LUX/RI PMR 09.....	310	
450 - 460 MHz.....	LUX/RI PMR 09.1.....	311	
460 - 470 MHz.....	LUX/RI PMR 09.2.....	312	
450 - 460 MHz.....	LUX/RI PMR 12.....	313	
460 - 470 MHz.....	LUX/RI PMR 12.1.....	314	
PMR446.....		315	
446 - 446.2 MHz.....	LUX/RI PMR446 01.....	315	
PMR446 digital.....		316	
446 - 446.2 MHz.....	LUX/RI PMR446 02.....	316	
UIC.....		317	
457.4 - 458.3 MHz.....	LUX/RI UIC 01.....	317	
467.4 - 468.3 MHz.....	LUX/RI UIC 01.1.....	318	
Land mobile.....		319	
Intelligent Transport Systems.....		319	
5875 - 5905 MHz.....	LUX/RI ITS 01.....	319	
5905 - 5925 MHz.....	LUX/RI ITS 02.....	320	
63 - 64 MHz.....	LUX/RI ITS 03.....	321	
5855 - 5875 MHz.....	LUX/RI ITS 04.....	322	
Public Protection Disaster Relief.....		323	
5150 - 5250 MHz.....	LUX/RI PPDR 01.....	323	
Paging.....		324	
455.825 - 455.9375 MHz.....	LUX/RI Paging 01.....	324	
465.825 - 465.9375 MHz.....	LUX/RI Paging 01.1.....	325	
47 - 47.25 MHz.....	LUX/RI Paging 02.....	326	
Other applications.....		327	
CB.....		327	
26.96 - 27.41 MHz.....	LUX/RI CB 01.....	327	
Temporary Wireless Video Links.....		328	
2010 - 2025 MHz.....	LUX/RI WVL 03.....	New RIS.....	328
2245 - 2290 MHz.....	LUX/RI WVL 02.....	New RIS.....	329
2335 - 2395 MHz.....	LUX/RI WVL 01.....		330
High power remote controls in PMR bands.....		331	
146 - 174 MHz.....	LUX/RI PMR RC 01.....	331	
440 - 470 MHz.....	LUX/RI PMR RC 02.....	332	

Amateur	333
<i>Amateur</i>	333
0.1357 - 0.1378 MHz..... LUX/RI Amateur 01	333
0.472 - 0.479 MHz..... LUX/RI Amateur 36	334
1.81 - 1.85 MHz..... LUX/RI Amateur 02	335
1.85 - 2 MHz..... LUX/RI Amateur 32	336
3.5 - 3.8 MHz..... LUX/RI Amateur 03	337
5.3515 - 5.3665 MHz..... LUX/RI Amateur 037 New RIS.....	338
7 - 7.2 MHz..... LUX/RI Amateur 21	339
10.1 - 10.15 MHz..... LUX/RI Amateur 04	340
14 - 14.35 MHz..... LUX/RI Amateur 05	341
18.068 - 18.168 MHz..... LUX/RI Amateur 22	342
21 - 21.45 MHz..... LUX/RI Amateur 23	343
24.89 - 24.99 MHz..... LUX/RI Amateur 24	344
28 - 29.7 MHz..... LUX/RI Amateur 25	345
50 - 52 MHz..... LUX/RI Amateur 06	346
70.15 - 70.25 MHz..... LUX/RI Amateur 33	347
144 - 146 MHz..... LUX/RI Amateur 26	348
430 - 440 MHz..... LUX/RI Amateur 07	349
1240 - 1300 MHz..... LUX/RI Amateur 08	350
2300 - 2450 MHz..... LUX/RI Amateur 09	351
3400 - 3410 MHz..... LUX/RI Amateur 34	352
5650 - 5850 MHz..... LUX/RI Amateur 10	353
10000 - 10500 MHz..... LUX/RI Amateur 11	354
24000 - 24250 MHz..... LUX/RI Amateur 12	355
47000 - 47200 MHz..... LUX/RI Amateur 27	356
75500 - 81000 MHz..... LUX/RI Amateur 28	357
134000 - 141000 MHz..... LUX/RI Amateur 35	358
142000 - 149000 MHz..... LUX/RI Amateur 29	359
241000 - 250000 MHz..... LUX/RI Amateur 30	360
<i>Amateur-Satellite</i>	361
7 - 7.1 MHz..... LUX/RI Amateur 21.1	361
14 - 14.25 MHz..... LUX/RI Amateur 13	362
18.068 - 18.168 MHz..... LUX/RI Amateur 22.1	363
21 - 21.45 MHz..... LUX/RI Amateur 23.1	364
24.89 - 24.99 MHz..... LUX/RI Amateur 24.1	365
28 - 29.7 MHz..... LUX/RI Amateur 25.1	366
144 - 146 MHz..... LUX/RI Amateur 26.1	367
435 - 438 MHz..... LUX/RI Amateur 14	368
1260 - 1270 MHz..... LUX/RI Amateur 15	369
2400 - 2450 MHz..... LUX/RI Amateur 16	370
5650 - 5670 MHz..... LUX/RI Amateur 17	371
5830 - 5850 MHz..... LUX/RI Amateur 18	372
10450 - 10500 MHz..... LUX/RI Amateur 19	373
24000 - 24050 MHz..... LUX/RI Amateur 20	374
47000 - 47200 MHz..... LUX/RI Amateur 27.1	375
75500 - 81000 MHz..... LUX/RI Amateur 28.1	376
134000 - 141000 MHz..... LUX/RI Amateur 35.1	377
142000 - 149000 MHz..... LUX/RI Amateur 29.1	378
241000 - 250000 MHz..... LUX/RI Amateur 30.1	379
Aeronautical Mobile	380
<i>Aeronautical VHF-Direction Finder</i>	380
117.975 - 137 MHz..... LUX/RI Aero 01	380
<i>Aeronautical Communications</i>	381
117.975 - 137 MHz..... LUX/RI Aero 02	381

<i>Aeronautical Communication Receiver</i>	382
117.975 - 137 MHz..... LUX/RI Aero 03	382
Aeronautical Radionavigation	383
<i>ILS</i>	383
108 - 111.975 MHz..... LUX/RI Aero 04	383
328.6 - 335.4 MHz..... LUX/RI Aero 04.1	384
<i>VOR</i>	385
108 - 111.975 MHz..... LUX/RI Aero 05	385
111.975 - 117.975 MHz..... LUX/RI Aero 05.1	386
<i>Beacons (aeronautical)</i>	387
0.3 - 0.405 MHz..... LUX/RI Aero 06	387
<i>DME</i>	388
960 - 1215 MHz..... LUX/RI Aero 07	388
Aeronautical Surveillance	389
<i>Emergency Locator Transmitter (ELT)</i>	389
242.95 - 243.05 MHz..... LUX/RI Aero 08	389
<i>Monopulse Secondary interrogator Radar</i>	390
1030 - 1090 MHz..... LUX/RI Aero 09	390
<i>Monopulse Mode-S Secondary interrogator Radar</i>	391
1030 - 1090 MHz..... LUX/RI Aero 10	391
<i>Mode-S test interrogator</i>	392
1030 - 1090 MHz..... LUX/RI Aero 11	392
<i>Primary surveillance Radar</i>	393
2700 - 2900 MHz..... LUX/RI Aero 12	393
<i>A-SMGCS</i>	394
9000 - 9200 MHz..... LUX/RI Aero 14	394
<i>ADS</i>	395
1030 - 1090 MHz..... LUX/RI Aero 13	395
Maritime equipment	396
0.518 - 0.518 MHz..... LUX/RI Maritime 01	396
1.605 - 4 MHz..... LUX/RI Maritime 02	397
1.605 - 4 MHz..... LUX/RI Maritime 02.1	398
4 - 27.5 MHz..... LUX/RI Maritime 03	399
4 - 27.5 MHz..... LUX/RI Maritime 03.1	400
156 - 163 MHz..... LUX/RI Maritime 05	401
156 - 163 MHz..... LUX/RI Maritime 06	402
156 - 163 MHz..... LUX/RI Maritime 06.1	403
156 - 163 MHz..... LUX/RI Maritime 06.2	404
156 - 163 MHz..... LUX/RI Maritime 08	405
156 - 163 MHz..... LUX/RI Maritime 09	406
156 - 163 MHz..... LUX/RI Maritime 19	407
161.975 - 161.975 MHz..... LUX/RI Maritime 16	408
162.025 - 162.025 MHz..... LUX/RI Maritime 18	409
457.5125 - 467.5875 MHz..... LUX/RI Maritime 12	410
2900 - 3100 MHz..... LUX/RI Maritime 17	411
9200 - 9500 MHz..... LUX/RI Maritime 14	412
9320 - 9500 MHz..... LUX/RI Maritime 15	413
Point-to-point fixed links	414
1350 - 1375 MHz..... LUX/RI PP 01	414
1492 - 1517 MHz..... LUX/RI PP 01.1	415
1375 - 1400 MHz..... LUX/RI PP 02	416
1427 - 1452 MHz..... LUX/RI PP 02.1	417
5925 - 6425 MHz..... LUX/RI PP 04	418

6425 - 7125 MHz.....	LUX/RI PP 05.....	419
7125 - 7425 MHz.....	LUX/RI PP 06.....	420
7425 - 7725 MHz.....	LUX/RI PP 07.....	421
7725 - 8275 MHz.....	LUX/RI PP 08.....	422
8275 - 8500 MHz.....	LUX/RI PP 09.....	423
10150 - 10680 MHz.....	LUX/RI PP 10.....	424
12750 - 13250 MHz.....	LUX/RI PP 11.....	425
14500 - 14620 MHz.....	LUX/RI PP 12.....	426
15230 - 15350 MHz.....	LUX/RI PP 12.1.....	427
17700 - 19700 MHz.....	LUX/RI PP 13.....	428
22000 - 22600 MHz.....	LUX/RI PP 14.....	429
23000 - 23600 MHz.....	LUX/RI PP 14.1.....	430
24500 - 25500 MHz.....	LUX/RI PP 15.....	431
25500 - 26500 MHz.....	LUX/RI PP 15.1.....	432
27500 - 29500 MHz.....	LUX/RI PP 16.....	433
31000 - 31300 MHz.....	LUX/RI PP 17.....	434
31800 - 33400 MHz.....	LUX/RI PP 18.....	435
37000 - 39500 MHz.....	LUX/RI PP 19.....	436
48500 - 50200 MHz.....	LUX/RI PP 20.....	437
51400 - 52600 MHz.....	LUX/RI PP 21.....	438
55780 - 57000 MHz.....	LUX/RI PP 22.....	439
57000 - 64000 MHz.....	LUX/RI PP 23.....	440
64000 - 66000 MHz.....	LUX/RI PP 24.....	441
71000 - 76000 MHz.....	LUX/RI PP 25.....	442
81000 - 86000 MHz.....	LUX/RI PP 26.....	443
Cordless Telephones		444
<i>DECT</i>		444
1880 - 1900 MHz.....	LUX/RI CT_DECT 01.....	444
1880 - 1900 MHz.....	LUX/RI CT_DECT 02.....	445
Digital Cellular		446
<i>R-GSM</i>		446
876 - 880 MHz.....	LUX/RI R-GSM 03.....	446
921 - 925 MHz.....	LUX/RI R-GSM 03.1.....	447
<i>Mobile Communications services on Aircrafts</i>		448
1710 - 1785 MHz.....	LUX/RI MCA 01.....	448
1805 - 1880 MHz.....	LUX/RI MCA 01.1.....	449
1710 - 1785 MHz.....	LUX/RI MCA 02.....	450
1805 - 1880 MHz.....	LUX/RI MCA 02.1.....	451
1920 - 1980 MHz.....	LUX/RI MCA 03.....	452
2110 - 2170 MHz.....	LUX/RI MCA 03.1.....	453
<i>Aircraft Earth Stations</i>		454
10700 - 11700 MHz.....	LUX/RI AES 01.....	454
12500 - 12750 MHz.....	LUX/RI AES 02.....	455
14000 - 14250 MHz.....	LUX/RI AES 04.....	456
14250 - 14500 MHz.....	LUX/RI AES 03.....	457
Terrestrial systems capable of providing ECS		458
<i>E-GSM</i>		458
880 - 890 MHz.....	LUX/RI GSM 01.....	458
925 - 935 MHz.....	LUX/RI GSM 01.1.....	459
<i>P-GSM</i>		460
890 - 915 MHz.....	LUX/RI GSM 02.....	460
935 - 960 MHz.....	LUX/RI GSM 02.1.....	461
<i>GSM 1800</i>		462
1710 - 1785 MHz.....	LUX/RI GSM1800 01.....	462
1805 - 1880 MHz.....	LUX/RI GSM1800 01.1.....	463

UMTS	464
880 - 915 MHz..... LUX/RI UMTS 05	464
925 - 960 MHz..... LUX/RI UMTS 05.1	465
1710 - 1785 MHz..... LUX/RI UMTS 06	466
1805 - 1880 MHz..... LUX/RI UMTS 06.1	467
1920 - 1980 MHz..... LUX/RI UMTS 07	468
2110 - 2170 MHz..... LUX/RI UMTS 07.1	469
MFCN	470
2500 - 2570 MHz..... LUX/RI MFCN 01	470
2620 - 2690 MHz..... LUX/RI MFCN 01.1	471
2500 - 2570 MHz..... LUX/RI MFCN 02	472
2570 - 2620 MHz..... LUX/RI MFCN 03	473
2620 - 2690 MHz..... LUX/RI MFCN 04	474
3410 - 3490 MHz..... LUX/RI MFCN 05	475
3510 - 3590 MHz..... LUX/RI MFCN 06	476
3400 - 3600 MHz..... LUX/RI MFCN 07	477
3600 - 3800 MHz..... LUX/RI MFCN 08	478
TRA-ECS	479
791 - 821 MHz..... LUX/RI TRA-ECS 01.1	479
832 - 862 MHz..... LUX/RI TRA-ECS 01.2	480
880 - 915 MHz..... LUX/RI TRA-ECS 02.1	481
925 - 960 MHz..... LUX/RI TRA-ECS 02.2	482
1710 - 1785 MHz..... LUX/RI TRA-ECS 03.1	483
1805 - 1880 MHz..... LUX/RI TRA-ECS 03.2	484

Interface Regulations

SRD

UWB applications (Generic)

Parameter	Description	Comment
	0.009 - 3000000 MHz	Harmonised radio spectrum for UWB (2014/702/EU)
	Short Range Devices UWB applications	Generic UWB
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	Power limits, mitigation techniques and special conditions for generic UWB defined in the annex of the European Commission decision 2014/702/EU are applicable.
	Antenna Gain	
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing. Operation on a non-interference, non-protected basis	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2007/131/EC, 2009/343/EC, 2014/702/EU EN 302065; EN 302066 ECC/DEC/(06)04	EN 302065: UWB EN 302066: GPR/WPR
Remarks		
Notification number	2015/12/L	
Equipment class	Class 1 + Class 2	Refer to Sub-classes (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

UWB applications (LT1)

Parameter	Description	Comment
	0.009 - 3000000 MHz	Harmonised radio spectrum for UWB (2014/702/EU)
	Short Range Devices UWB applications	Location Tracking Systems Type 1 (LT1)
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	Power limits, mitigation techniques and special conditions for LT1 UWB defined in the annex of the European Commission decision 2014/702/EU are applicable.
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing. Operation on a non-interference, non-protected basis	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2007/131/EC, 2009/343/EC, 2014/702/EU EN 302500 ECC/REC(11)10	
Remarks		
Notification number	2015/12/L	
Equipment class		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

UWB applications (road and rail)

Parameter	Description	Comment
	0.009 - 3000000 MHz	Harmonised radio spectrum for UWB (2014/702/EU)
	Short Range Devices UWB applications	UWB devices installed in road and rail vehicles
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	Power limits, mitigation techniques and special conditions for UWB devices installed in road and rail vehicles defined in the annex of the European Commission decision 2014/702/EU are applicable.
	Antenna Gain	
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing. Operation on a non-interference, non-protected basis	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2007/131/EC, 2009/343/EC, 2014/702/EU EN 302065 ECC/DEC/(06)04	
Remarks		
Notification number	2015/12/L	
Equipment class	Class 1 + Class 2	Refer to Sub-classes (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

UWB applications (on board aircraft)

Parameter	Description	Comment
	0.009 - 3000000 MHz	Harmonised radio spectrum for UWB (2014/702/EU)
	Short Range Devices UWB applications	UWB onboard aircraft
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	Power limits, mitigation techniques and special conditions for UWB onboard aircraft defined in the annex of the European Commission decision 2014/702/EU are applicable.
	Antenna Gain	
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing. Operation on a non-interference, non-protected basis	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2007/131/EC, 2009/343/EC, 2014/702/EU ECC/DEC/(12)03 ERC REC 70-03 Annex 1n1	
Remarks		
Notification number	2015/12/L	
Equipment class	Class 1 + Class 2	Refer to Sub-classes (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

UWB applications (Material sensing)

Parameter	Description	Comment
	0.009 - 3000000 MHz	Harmonised radio spectrum for UWB (2014/702/EU)
	Short Range Devices UWB applications Material Sensing	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	Power limits, mitigation techniques and special conditions for Material Sensing defined in the annex of the European Commission decision 2014/702/EU are applicable.
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing. Operation on a non-interference, non-protected basis	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2007/131/EC, 2009/343/EC, 2014/702/EU ECC/DEC/(07)01	
Remarks		
Notification number	2015/12/L	
Equipment class		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

UWB applications (BMA)

Parameter	Description	Comment
	0.009 - 3000000 MHz	Harmonised radio spectrum for UWB (2014/702/EU)
	Short Range Devices UWB applications BMA	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	Power limits, mitigation techniques and special conditions for BMA defined in the annex of the European Commission decision 2014/702/EU are applicable.
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing. Operation on a non-interference, non-protected basis	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2007/131/EC, 2009/343/EC, 2014/702/EU ECC/DEC/(07)01, ERC REC 70-03 Annex 6 EN 302 435	
Remarks		
Notification number	2015/12/L	
Equipment class	Class 1	Refer to Sub-class 57c (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	6.765 - 6.795 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		The frequency band is also used for inductive applications
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	42 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 1a		Band nr.22b
Remarks	This band is also defined as ISM band.		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 114 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	13.553 - 13.567 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		The frequency band is also used for inductive applications
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	42 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 1b		Band nr.27c
Remarks	This band is also defined as ISM band.		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 24 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	26.957 - 27.283 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		The frequency band is also used for inductive applications
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	42 dBuA/m @ 10m 10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 1c		Band nr.28b
Remarks	This band is also defined as ISM band.		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 25 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
Frequency band	26.99 - 27 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Non-specific SRDs	The frequency band is also used for model controls with a duty cycle of 100%.
Channel / modulation	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	≤ 10 kHz
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	100 mW e.r.p.
Channel access and occupation rules	Duty cycle	$< 0.1\%$
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 1c1	Band no.29
Remarks		
Notification number		
Equipment class	Class 1	Refer to Sub-class 118 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
Frequency band	27.04 - 27.05 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Non-specific SRDs	The frequency band is also used for model controls with a duty cycle of 100%.
Channel / modulation	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	≤ 10 kHz
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	100 mW e.r.p.
Channel access and occupation rules	Duty cycle	$< 0.1\%$
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 1c1	Band no.30
Remarks		
Notification number		
Equipment class	Class 1	Refer to Sub-class 119 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
Frequency band	27.09 - 27.1 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Non-specific SRDs	The frequency band is also used for model controls with a duty cycle of 100%.
Channel / modulation	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	≤ 10 kHz
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	100 mW e.r.p.
Channel access and occupation rules	Duty cycle	$< 0.1\%$
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 1c1	Band no.31
Remarks		
Notification number		
Equipment class	Class 1	Refer to Sub-class 120 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
Frequency band	27.14 - 27.15 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Non-specific SRDs	The frequency band is also used for model controls with a duty cycle of 100%.
Channel / modulation	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	≤ 10 kHz
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	100 mW e.r.p.
Channel access and occupation rules	Duty cycle	$< 0.1\%$
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 1c1	Band no.32
Remarks		
Notification number		
Equipment class	Class 1	Refer to Sub-class 121 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	27.19 - 27.2 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		The frequency band is also used for model controls with a duty cycle of 100%.
Channel / modulation	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth	≤ 10 kHz	
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.r.p.	
Channel access and occupation rules	Duty cycle	$< 0.1\%$	Note 1: "When either a duty cycle, LBT or equivalent technique applies then it shall not be user dependent/adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 1c1		Band no.33
Remarks			
Notification number			
Equipment class	Class 1		Refer to Sub-class 122 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	40.66 - 40.7 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Video applications should only be used above 2.4 GHz		
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 1d		Band nr.35
Remarks	This band is also defined as ISM band.		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 19 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	138.2 - 138.45 MHz		
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	< 1.0 %	<i>Note 1:</i> "When either a duty cycle, LBT or equivalent technique applies then it shall not be user dependent/adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Video applications should only be used above 2.4 GHz		
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 1e		
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
Frequency band	169.4 - 169.475 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Non-specific SRDs	The frequency band is also identified for "Tracking, tracing and data acquisition" and "Radio microphone applications including aids for the hearing impaired"
Channel / modulation	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	<= 50 kHz
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	500 mW e.r.p.
Channel access and occupation rules	Duty cycle	<= 1.0 %
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU ECC/DEC/(05)02 EN 300 220 ERC REC 70-03 Annex 1f1	Band no. 37c
Remarks		
Notification number		
Equipment class	Class 1	Refer to Sub-class 80 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	169.4 - 169.4875 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		Equipment that concentrates or multiplexes individual equipment is excluded.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	< 0.1 %	Note 1: "When either a duty cycle, LBT or equivalent technique applies then it shall not be user dependent/adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU ECC/DEC/(05)02 EN 300 220 ERC REC 70-03 Annex 1f2		Band no. 38
Remarks			
Notification number			
Equipment class	Class 1		Refer to Sub-class 128 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	169.4875 - 169.5875 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		Equipment that concentrates or multiplexes individual equipment is excluded. The frequency band is also identified for "Radio microphone applications including aids for the hearing impaired" use
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	< 0.001 %, from 00:00-06:00 <0.1%	Note 1: "When either a duty cycle, LBT or equivalent technique applies then it shall not be user dependent/adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU ECC/DEC/(05)02 EN 300 220 ERC REC 70-03 Annex 1f3		Band no. 39b
Remarks			
Notification number			
Equipment class	Class 1		Refer to Sub-class 124 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	169.5875 - 169.8125 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		Equipment that concentrates or multiplexes individual equipment is excluded.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	<0.1%	Note 1: "When either a duty cycle, LBT or equivalent technique applies then it shall not be user dependent/adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU ECC/DEC/(05)02 EN 300 220 ERC REC 70-03 Annex 1f4		Band no. 40
Remarks			
Notification number			
Equipment class	Class 1		Refer to Sub-class 129 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	433.05 - 434.79 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		Note 1: "When either a duty cycle, LBT or equivalent technique applies then it shall not be user dependent/adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	< 10 %	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing.		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 1g1		Band nr.44b and 45b
Remarks	This band is also defined as ISM band.		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 20 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	433.05 - 434.79 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		Power density limited to -13 dBm/10kHz for wideband modulation with a bandwidth greater than 250 kHz.
	Antenna Gain		
	Radiated power	1 mW e.r.p. -13 dBm/10kHz	
Channel access and occupation rules	Duty cycle	up to 100%	Note 11: Audio and video applications are excluded. Voice applications (analogue or digital) are allowed with a maximum bandwidth of ≤ 25 kHz, and with spectrum access technique such as LBT or equivalent and shall include a power output sensor controlling the transmitter to a maximum transmit period of 1 minute for each transmission.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing.		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 1g2		Band nr. 44a and 45a
Remarks	This band is also defined as ISM band.		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 61 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	434.04 - 434.79 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth	<= 25 KHz	
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	up to 100%	Note 11: Audio and video applications are excluded. Voice applications (analogue or digital) are allowed with a maximum bandwidth of ≤ 25 kHz, and with spectrum access technique such as LBT or equivalent and shall include a power output sensor controlling the transmitter to a maximum transmit period of 1 minute for each transmission.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing.		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 1g3		Band nr.45c
Remarks	This band is also defined as ISM band.		
Notification number	2009/0375/L		Sub-class 125 :Analogue audio applications other than voice are excluded. Analogue video applications are excluded
Equipment class	Class 1		Refer to Sub-class 63 (2000/299/EC) (1mW erp) Refer to Sub-class 65 (2000/299/EC) (25 kHz) Refer to Sub-class 125 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	863 - 870 MHz		Sub-bands for alarms, defined in the Annex 7 of the ERC REC 70-03, are excluded.
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	≤ 100 kHz, for 47 or more channels (note 2)	Note 2: "The preferred channel spacing is 100 kHz allowing for a subdivision into 50 kHz or 25 kHz." Note 5: "Duty cycle may be increased to 1% if the band is limited to 865-868 MHz."
	Designation of emission		
	Modulation / Occupied bandwidth	FHSS	
	Reference frequency		
Transmit power / Power density	Output power		Note 6: "For other wide-band modulation than FHSS and DSSS with a bandwidth of 200 kHz to 3 MHz, duty cycle can be increased to 1% if the band is limited to 865-868 MHz and power to ≤ 10 mW e.r.p."
	Antenna Gain		
	Radiated power	≤ 25 mW e.r.p.	
Channel access and occupation rules	Duty cycle	≤ 0.1 % or LBT	Note 1: "When either a duty cycle, LBT or equivalent technique applies then it shall not be userdependent/adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			Note 4: Audio and video applications are allowed provided that a digital modulation method is used with a max. bandwidth of 300 kHz. Analogue and digital voice applications are allowed with a max. bandwidth ≤ 25 kHz. In sub-band 863-865 MHz voice and audio conditions of Annexes 10 and 13 of ERC/REC 70-03 apply respectively.
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 1h1.1		
Remarks			
Notification number	2008/338/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	863 - 870 MHz		Sub-bands for alarms, defined in the Annex 7 of the ERC REC 70-03, are excluded.
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	Note 5: "Duty cycle may be increased to 1% if the band is limited to 865-868 MHz." Note 6: "For wide-band techniques, other than FHSS, operating with a bandwidth of 200 kHz to 3 MHz, the duty cycle can be increased to 1% if the band is limited to 865-868 MHz and power to ≤ 10 mW e.r.p.."
	Designation of emission		
	Modulation / Occupied bandwidth	DSSS and other wideband modulation other than FHSS	
	Reference frequency		
Transmit power / Power density	Output power		Note 7: "The power density can be increased to +6.2dBm/100 kHz and +0.8dBm/100 kHz, if the band of operation is limited to 865-868 MHz and 865-870 MHz respectively."
	Antenna Gain		
	Radiated power	≤ 25 mW e.r.p. -4.5 dBm/100kHz	
Channel access and occupation rules	Duty cycle	≤ 0.1 % or LBT+ AFA	Note 1: "When either a duty cycle, LBT or equivalent technique applies then it shall not be user dependent/adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			Note 4: Audio and video applications are allowed provided that a digital modulation method is used with a max. bandwidth of 300 kHz. Analogue and digital voice applications are allowed with a max. bandwidth ≤ 25 kHz. In sub-band 863-865 MHz voice and audio conditions of Annexes 10 and 13 of ERC/REC 70-03 apply respectively.
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 1h1.2		
Remarks			
Notification number	2008/338/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	863 - 870 MHz		Sub-bands for alarms, defined in the Annex 7 of the ERC REC 70-03, are excluded.
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	$\leq 100\text{kHz}$, for 1 or more channels $\leq 300\text{KHz}$	Note 2: "The preferred channel spacing is 100 kHz allowing for a subdivision into 50 kHz or 25 kHz"
	Designation of emission		Note 5: "Duty cycle may be increased to 1% if the band is limited to 865-868 MHz."
	Modulation / Occupied bandwidth	Narrow / wide-band modulation	
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	$\leq 25\text{ mW e.r.p.}$	
Channel access and occupation rules	Duty cycle	$\leq 0.1\%$ or LBT + AFA	Note 1: "When either a duty cycle, LBT or equivalent technique applies then it shall not be user dependent/adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Video applications should only be used above 2.4 GHz		Note 4: Audio and video applications are allowed provided that a digital modulation method is used with a max. bandwidth of 300 kHz. Analogue and digital voice applications are allowed with a max. bandwidth $\leq 25\text{ kHz}$. In sub-band 863-865 MHz voice and audio conditions of Annexes 10 and 13 of ERC/REC 70-03 apply respectively.
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 1h1.3		
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
	863 - 865 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices Non-specific SRDs	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	$\leq 25 \text{ mW e.r.p.}$
Channel access and occupation rules	Duty cycle	0.1 % or see comment
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	Analogue audio applications other than voice are excluded.	Analogue video applications are excluded.
Planned changes		
Reference	Decision 2013/752/EU EN 300 220	Band nr.46a
Remarks		
Notification number	2010/708/L	
Equipment class	Class 1	Refer to Sub-class 66 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
	865 - 868 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile		
	Short Range Devices Non-specific SRDs		
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	$\leq 25 \text{ mW e.r.p.}$	
Channel access and occupation rules	Duty cycle	1 % or see comment	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle of 1 % may also be used.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Analogue audio applications other than voice are excluded.		Analogue video applications are excluded.
Planned changes			
Reference	Decision 2013/752/EU EN 300 220		Band nr.47
Remarks			
Notification number	2010/708/L		
Equipment class	Class 1		Refer to Sub-class 67 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
- Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment	
Frequency band	868 - 868.6 MHz		
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing, for 1 or more channels see note 2	No channel spacing, however the whole stated frequency band may be used. Note 2: "The preferred channel spacing is 100 kHz allowing for a subdivision into 50 kHz or 25 kHz." Note 5: "Duty cycle may be increased to 1% if the band is limited to 865-868 MHz."
	Designation of emission		
	Modulation / Occupied bandwidth	Narrow / wide-band modulation	
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	$\leq 25 \text{ mW e.r.p.}$	
Channel access and occupation rules	Duty cycle	$\leq 1.0 \% \text{ or LBT + AFA}$	Note 1: "When either a duty cycle, LBT or equivalent technique applies then it shall not be user dependent/adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption		Note 4: Audio and video applications are allowed provided that a digital modulation method is used with a max. bandwidth of 300 kHz. Analogue and digital voice applications are allowed with a max. bandwidth $\leq 25 \text{ kHz}$. In sub-band 863-865 MHz voice and audio conditions of Annexes 10 and 13 of ERC/REC 70-03 apply respectively.	
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 1h1.4		
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
	868 - 868.6 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices Non-specific SRDs	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	25 mW e.r.p.
Channel access and occupation rules	Duty cycle	1 % or see comment
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	Analogue video applications are excluded.	
Planned changes		
Reference	Decision 2013/752/EU EN 300 220	Band nr.48
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 1	Refer to Sub-class 28 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
Frequency band	868.7 - 869.2 MHz	
Radio Service	Mobile	
Application	Short Range Devices Non-specific SRDs	
Channel / modulation	Channel spacing	No spacing, for 1 or more channels see note 2
	Designation of emission	
	Modulation / Occupied bandwidth	Narrow / wide-band modulation
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	$\leq 25 \text{ mW e.r.p.}$
Channel access and occupation rules	Duty cycle	$\leq 0.1 \% \text{ or LBT + AFA}$
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		Note 4: Audio and video applications are allowed provided that a digital modulation method is used with a max. bandwidth of 300 kHz. Analogue and digital voice applications are allowed with a max. bandwidth $\leq 25 \text{ kHz}$. In sub-band 863-865 MHz voice and audio conditions of Annexes 10 and 13 of ERC/REC 70-03 apply respectively.
Planned changes		
Reference	EN 300 220 ERC REC 70-03 Annex 1h1.5	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
	868.7 - 869.2 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices Non-specific SRDs	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	25 mW e.r.p.
Channel access and occupation rules	Duty cycle	0.1 % or see comment
	Access protocol	
	Trans. capacity	
		Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle of 0.1 % may also be used.
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	Analogue video applications are excluded.	
Planned changes		
Reference	Decision 2013/752/EU EN 300 220	Band nr. 50
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 1	Refer to Sub-class 29 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
Frequency band	869.4 - 869.65 MHz	
Radio Service	Mobile	
Application	Short Range Devices Non-specific SRDs	
Channel / modulation	Channel spacing	No spacing (1 or more channels)
	Designation of emission	
	Modulation / Occupied bandwidth	Narrow / wide-band modulation
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	<=500 mW e.r.p.
Channel access and occupation rules	Duty cycle	<=10% or LBT + AFA
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	Video applications should only be used above 2.4 GHz	
Planned changes		
Reference	EN 300 220 ERC REC 70-03 Annex 1h1.6	
Remarks		
Notification number	2008/338/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	869.4 - 869.65 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	25kHz or see comment	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	500 mW e.r.p.	
Channel access and occupation rules	Duty cycle	10% or see comment	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used.
	Access protocol		
	Trans. capacity		Alternatively a duty cycle of 10 % may also be used.
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Analogue video applications are excluded.		
Planned changes			
Reference	Decision 2013/752/EU EN 300 220		Band nr. 54b
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 30 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
	869.4 - 869.65 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile		
	Short Range Devices Non-specific SRDs		
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 mW e.r.p.	
Channel access and occupation rules	Duty cycle	0.1% or see comment	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used.
	Access protocol		
	Trans. capacity		Alternatively a duty cycle of 0.1 % may also be used.
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Analogue audio applications other than voice are excluded.		Analogue video applications are excluded.
Planned changes			
Reference	Decision 2013/752/EU EN 300 220		Band nr. 54a
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 130 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	869.7 - 870 MHz		
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing (1 or more channels)	No channel spacing, however the whole stated frequency band may be used.
	Designation of emission		
	Modulation / Occupied bandwidth	Narrow / wide-band modulation	
	Reference frequency		
Transmit power / Power density	Output power		Note 11: "Audio and video applications are excluded. Voice applications (analogue or digital) are allowed with a maximum bandwidth of ≤ 25 kHz, and with spectrum access technique such as LBT or equivalent and shall include a power output sensor controlling the transmitter to a maximum transmit period of 1 minute for each transmission."
	Antenna Gain		
	Radiated power	a) ≤ 5 mW e.r.p. b) ≤ 25 mW e.r.p.	
Channel access and occupation rules	Duty cycle	a) up to 100% b) up to 1% or LBT+AFA	Note 1: "When either a duty cycle, LBT or equivalent dependent / adjustable and shall be guaranteed by appropriate means. For LBT without AFA or equivalent techniques, the duty cycle limit applies. For any type of frequency agile device the duty cycle limit applies to the total transmission unless LBT or equivalent technique is used."
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 1h1.7		
Remarks			
Notification number	2010/378/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
	869.7 - 870 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile		
	Short Range Devices Non-specific SRDs		
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
	Output power		
	Antenna Gain		
	Radiated power	$\leq 5 \text{ mW e.r.p.}$	
	Duty cycle		
	Access protocol		Voice applications allowed with advanced mitigation techniques.
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Audio and video applications are excluded.		
Planned changes			
Reference	Decision 2013/752/EU EN 300 220		Band nr.56a
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 31 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
- Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
	869.7 - 870 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile		
	Short Range Devices		
	Non-specific SRDs		
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	≤ 25 mW e.r.p.	
Channel access and occupation rules	Duty cycle	1% or see comment	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used.
	Access protocol		
	Trans. capacity		Alternatively a duty cycle 1 % may also be used.
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Analogue audio applications other than voice are excluded.		Analogue video applications are excluded.
Planned changes			
Reference	Decision 2013/752/EU EN 300 220		Band nr.56b
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 69 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description	Comment
Frequency band	870 - 876 MHz	
Radio Service	Mobile	
Application	Short Range Devices Non-specific SRDs	The frequency band is also used for tracking, tracing, data acquisition and TTT applications.
Channel / modulation	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	≤ 200 kHz
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	25 mW e.r.p.
Channel access and occupation rules	Duty cycle	$\leq 0.1\%$ or see comment
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 220 ERC REC 70-03 Annex 1h2	
Remarks		
Notification number	2014/450/L	
Equipment class		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	870 - 875.8 MHz		
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		The frequency band is also used for tracking, tracing, data acquisition and TTT applications.
Channel / modulation	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth	≤ 600 kHz	
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 mW e.r.p.	
Channel access and occupation rules	Duty cycle	≤ 1% or see comment	For ER-GSM protection (873-876 MHz, where applicable), the duty cycle is limited to ≤ 0.01% and limited to a maximum transmit on-time of 5ms/1s.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 1h2.1		
Remarks			
Notification number	2014/450/L		
Equipment class			

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	915 - 921 MHz		
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		The frequency band is also used for radio microphone applications and RFID applications
Channel / modulation	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth	≤ 200 kHz	
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 mW e.r.p.	
Channel access and occupation rules	Duty cycle	$\leq 0.1\%$ or see comment	For ER-GSM protection (918-921 MHz, where applicable), the duty cycle is limited to $\leq 0.01\%$ and limited to a maximum transmit on-time of 5ms/1s.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 1h3		
Remarks			
Notification number	2014/450/L		
Equipment class			

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	915.2 - 920.8 MHz		
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		The frequency band is also used for radio microphone applications and RFID applications
Channel / modulation	Channel spacing		For the frequencies 916.3 MHz, 917.5 MHz, 918.7 MHz and 919.9 MHz a channel bandwidth of 400 kHz applies
	Designation of emission		
	Modulation / Occupied bandwidth	≤ 600 kHz	
	Reference frequency		
Transmit power / Power density	Output power		For the frequencies 916.3 MHz, 917.5 MHz, 918.7 MHz and 919.9 MHz a radiated power of 100 mW e.r.p. applies.
	Antenna Gain		
	Radiated power	25 mW e.r.p.	
Channel access and occupation rules	Duty cycle	≤ 1% or see comment	For ER-GSM protection (918-920.8 MHz, where applicable), the duty cycle is limited to ≤ 0.01% and limited to a maximum transmit on-time of 5ms/1s. (RFID tags on 916.3 MHz, 917.5 MHz, 918.7 MHz and 919.9 MHz have 100% duty cycle)
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 1h3.1		
Remarks			
Notification number	2014/450/L		
Equipment class			

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	2400 - 2483.5 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 440 ERC REC 70-03 Annex 1i		Band nr.57a
Remarks	This band is also defined as ISM band.		
Notification number	2005/0347/L		
Equipment class	Class 1		Refer to Sub-class 21 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	5725 - 5875 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 440 ERC REC 70-03 Annex 1j		Band nr. 61
Remarks	This band is also defined as ISM band.		
Notification number	2008/338/L		
Equipment class	Class 1		Refer to Sub-class 43 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	24000 - 24250 MHz		24.15-24.25 GHz: Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		The frequency band is also used for inductive applications
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 440 ERC REC 70-03 Annex 1m		Band nr. 70a (24.15-24.25 GHz)
Remarks	This band is also defined as ISM band.		
Notification number	2005/0347/L		
Equipment class	Class 1		Refer to Sub-class 27 (2000/299/EC) (24.15-24.25)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	61000 - 61500 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 305 550 ERC REC 70-03 Annex 1n2		Band nr. 76
Remarks	This band is also defined as ISM band.		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 71 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	57000 - 64000 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		Max. transmitter output power of 10mW, and a power density limited to 13 dBm/MHz e.i.r.p. applies
	Antenna Gain		
	Radiated power	100 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 305 550 ERC REC 70-03 Annex 1n1		Band no. 74a
Remarks			
Notification number	2013/32/L		
Equipment class	Class 1		Refer to Sub-class 126 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	122000 - 123000 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 305 550		Band nr.80
Remarks	This band is also defined as ISM band.		
Notification number	2012/305/L		
Equipment class	Class 1		Refer to Subclass 107 (Decision 2000/299/CE)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Non-specific Short Range Devices

Parameter	Description		Comment
Frequency band	244000 - 246000 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Non-specific SRDs		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 305 550 ERC REC 70-03 Annex 1p		Band nr. 81
Remarks	This band is also defined as ISM band.		
Notification number	2012/305/L		
Equipment class	Class 1		Refer to Sub-class 62 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Tracking, Tracing and Data Acquisition

Parameter	Description	Comment
Frequency band	0.4569 - 0.4571 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Tracking, tracing and data acquisition Emergency detection	Emergency detection of buried victims and valuable items. No app. in Luxembourg
Channel / modulation	Channel spacing	Not applicable
	Designation of emission	
	Modulation / Occupied bandwidth	Continuous wave (CW) No modulation
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	7 dBuA/m @ 10m
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements	Application of Article 3.3(e), ensuring access to emergency services.	
Freq. planning assumption		
Planned changes		
Reference	Commission Decision 2013/752/EU EN 300 718 ERC REC 70-03 Annex 2a	Band no. 18
Remarks		
Notification number	2010/378/L	
Equipment class	Class 1	Refer to Sub-class 49 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Tracking, tracing and data acquisition

Parameter	Description		Comment
Frequency band	169.4 - 169.475 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Tracking, tracing and data acquisition Meter reading		
Channel / modulation	Channel spacing	Max 50 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	500mW e.r.p.	
Channel access and occupation rules	Duty cycle	< 10%	Duty cycle controls (hardware or software) related to the duty cycle requirements shall not be accessible to the user. The duty cycle shall not be capable of being disabled or altered and shall be implemented as an automatic feature in the equipment.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU ECC/DEC (05)02 EN 300 220 ERC REC 70-03 Annex 2b		Band no. 37b
Remarks			
Notification number	2007/351/L		
Equipment class	Class 1		Refer to Sub-class 123 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Tracking, Tracing and Data Acquisition

Parameter	Description	Comment
Frequency band	870 - 875.6 MHz	
Radio Service	Mobile	
Application	Short Range Devices Tracking, tracing and data acquisition	The frequency band is also used for non-specific SRDs and TTT applications.
Channel / modulation	Channel spacing	≤ 200 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	500mW e.r.p.
Channel access and occupation rules	Duty cycle	$\leq 2.5\%$ + APC required
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ERC REC 70-03 Annex 2c	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Tracking, Tracing and Data Acquisition

Parameter	Description	Comment
Frequency band	2483.5 - 2500 MHz	
Radio Service	Mobile	
Application	Short Range Devices Tracking, tracing and data acquisition MBANS	MBANS used indoor only within healthcare facilities. The frequency band is also used for active medical implants.
Channel / modulation	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	≤ 3 MHz
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	1mW e.i.r.p.
Channel access and occupation rules	Duty cycle	≤ 10 %
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 303 203 ERC REC 70-03 Annex 2d1	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Tracking, Tracing and Data Acquisition

Parameter	Description		Comment
Frequency band	2483.5 - 2500 MHz		
Radio Service	Mobile		
Application	Short Range Devices Tracking, tracing and data acquisition MBANS		MBANS used indoor only within healthcare facilities. The frequency band is also used for active medical implants.
Channel / modulation	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth	≤ 3 MHz	
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	≤ 2 %	Adequate spectrum sharing mechanisms (e.g. Listen-Before-Talk and Adaptive Frequency Agility) shall be implemented by the equipment and ≤ 2 % duty cycle.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 303 203 ERC REC 70-03 Annex 2d2		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Tracking, Tracing and Data Acquisition

Parameter	Description	Comment
	5725 - 5875 MHz	
	Mobile ----- Land Mobile -----	
	Short Range Devices ----- Tracking, tracing and data acquisition ----- WIA	Wireless Industrial Applications
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	>= 1 MHz and <= 20 MHz
	Output power ----- Antenna Gain ----- Radiated power	<= 400mW eirp
	Duty cycle ----- Access protocol ----- Trans. capacity	APC required Adequate spectrum sharing mechanisms (e.g. DFS and DAA) shall be implemented.
Direction / Separation		
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 303 258 ERC REC 70-03 Annex 2e	
Remarks		
Notification number	2016/7/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Wideband Data Transmission systems

Parameter	Description	Comment
Frequency band	2400 - 2483.5 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Wideband data transmission systems Radio LANs	RLAN access, inter-device communication, control of model airplanes, microphones, etc.)
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	100 mW e.i.r.p.
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 300 328 ERC REC 70-03 Annex 3a	Band nr.57c
Remarks	Harmonised radio spectrum for use by short-range devices.	
Notification number	2009/0375/L	
Equipment class	Class 1	Refer to Sub-class 22 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Wideband Data Transmission systems

Parameter	Description	Comment
Frequency band	5150 - 5350 MHz	Harmonised use of radio spectrum in the 5 GHz frequency band for the implementation of WAS/RLANs (2005/513/EC as amended)
Radio Service	Mobile	Connections between access points in the frequency band of 5 GHz possible.
Application	Short Range Devices Wideband data transmission systems	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	200 mW Max mean e.i.r.p.
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	Restricted to indoor use.	
Planned changes		
Reference	Commission Decision 2005/513/EC as amended EN 301 893 ECC/DEC/(04)08	
Remarks		
Notification number	2012/450/L	
Equipment class	Class 2	Refer to Sub-class H01 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Wideband Data Transmission systems

Parameter	Description		Comment
	5470 - 5725 MHz		Harmonised use of radio spectrum in the 5 GHz frequency band for the implementation of WAS/RLANs (2007/90/EC)
	Mobile		Connections between access points in the frequency band of 5 GHz possible.
	Short Range Devices Wideband data transmission systems		
	Channel spacing		The equipment shall implement an adequate spectrum sharing mechanism in order to facilitate sharing between the various technologies and applications covered by Wideband Data Transmission systems.
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		The maximum mean e.i.r.p. density shall be restricted to 50mW/MHz in any 1 MHz band.
	Antenna Gain		
	Radiated power	1 W Max mean e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	Equal detection, operational and response requirements described in EN 301 893 to ensure compatible operation with radiodetermination systems (radars).
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Indoor as well as outdoor use allowed.		
Planned changes			
Reference	Commission Decision 2007/90/EC EN 301 893 ECC/DEC/(04)08		
Remarks			
Notification number	2012/450/L		
Equipment class	Class 2		Refer to Sub-class H01 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Wideband Data Transmission systems

Parameter	Description		Comment
Frequency band	57000 - 66000 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Wideband data transmission systems		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		The maximum mean e.i.r.p. density is limited to 13 dBm/MHz.
	Antenna Gain		
	Radiated power	40 dBm mean e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Fixed outdoor installations are excluded		
Planned changes			
Reference	Decision 2013/752/EU EN 302 567 ERC REC 70-03 Annex 3b		Band nr. 75
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 2		Refer to Sub-class H03 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Railway applications

Parameter	Description	Comment
	27.09 - 27.1 MHz	Center frequency : 27095 kHz
	Mobile	Balise tele-powering and down-link (train to ground) systems including Eurobalise and activation of the Loop / Euroloop
	Short Range Devices Railway applications Eurobalise	Tele-powering and Down-link signal for Balise / Eurobalise. May also be optionnally used for the activation of the Loop / Euroloop.
	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	42 dBuA/m @ 10m
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 608 ERC REC 70-03 Annex 4c	
Remarks		
Notification number	2010/378/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Railway applications

Parameter	Description		Comment
Frequency band	0.984 - 7.484 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		Balise up-link (ground to train) systems including Eurobalise
Application	Short Range Devices Railway applications Eurobalise		Transmitting only on receipt of a Balise / Eurobalise tele-powering signal from a train.
Channel / modulation	Channel spacing	No spacing	Center frequency : 4232 kHz
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	9 dBuA/m @ 10 m	
Channel access and occupation rules	Duty cycle	<=1%	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 302 608 ERC REC 70-03 Annex 4a		Band no. 19
Remarks			
Notification number	2010/378/L		
Equipment class	Class 1		Refer to Sub-class 109 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Railway applications

Parameter	Description	Comment
Frequency band	7.3 - 23 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	Loop up-link (ground to train) systems including Euroloop
Application	Short Range Devices Railway applications Euroloop	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
		Center frequency: 13.547 MHz
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	-7 dBuA/m @ 10 m
		Maximum field strength specified in a bandwidth of 10 kHz, spatially averaged over any 200m length of the loop. Transmitting only in presence of trains. Spread Spectrum Signal, Code Length: 472 chips.
Channel access and occupation rules	Duty cycle	No Restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 302 609 ERC REC 70-03 Annex 4b	Band no. 23
Remarks		
Notification number	2010/378/L	
Equipment class	Class 1	Refer to Sub-class 110 (2000/299/EC) (Duty cycle <=1%)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Railway applications

Parameter	Description		Comment
Frequency band	76000 - 77000 MHz		
Radio Service	Mobile		
Application	Short Range Devices Railway applications		Obstruction / Vehicle detection via radar sensor at railway level crossings. Frequency band is also used for RTTT applications.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		50 dBm average power or 23.5 dBm average power for pulse radar.
	Antenna Gain		
	Radiated power	55 dBm peak e.i.r.p.	
Channel access and occupation rules	Duty cycle	No Restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 301 091 ERC REC 70-03 Annex 4d		
Remarks			
Notification number	2013/32/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
Frequency band	870 - 875.8 MHz	
Radio Service	Mobile	
Application	Short Range Devices TTT	This frequency band is also used for non-specific SRDs and Tracking, Tracing and Data Acquisition systems.
Channel / modulation	Channel spacing	≤ 500 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	500 mW restricted to vehicle-to-vehicle applications. 100 mW is restricted to in-vehicle applications.
	Antenna Gain	Adaptive Power Control (APC) is required.
	Radiated power	500 mW e.r.p. 100 mW e.r.p. The APC is able to reduce a link's transmit power from its maximum to ≤ 5 mW
Channel access and occupation rules	Duty cycle	≤ 0.1 %
	Access protocol	For ER-GSM protection (873-875.8MHz, where applicable), the duty cycle is limited to ≤ 0.01 % and limited to a maximum transmit on-time of 5ms/1s.
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 220 ERC REC 70-03 Annex 5a	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description		Comment
	5795 - 5805 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU) for 2 W e.i.r.p.
	Mobile		
	Short Range Devices TTT		Intended for road to vehicle systems, particularly (but not exclusively) road toll systems.
	Channel spacing		Recommended for 5 MHz channel spacing systems with the frequencies: 5797.5 MHz and 5802.5 MHz. For 10 MHz channel spacing system 5800 MHz.
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		The use of 8 W e.i.r.p. allows for 1 Mbit/s. 2W e.i.r.p. allows for 500 kbit/s downlink and 250 kbit/s uplink and for low data rates (31 kbit/s).
	Antenna Gain		
	Radiated power	2 W e.i.r.p. 8 W e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing License may be required for 8 W systems.		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EC Directive 2004/52/EC, EC Decision 2013/752/EU EN 300 674 ERC REC 70-03 Annex 5b1		Band no. 62 Grand-ducal decree of the 04 June 2007 concerning the interoperability of RTTT systems in the EC. (2004/52/EC)
Remarks			
Notification number	2008/338/L		
Equipment class	Class 2		Refer to Sub-class H05 (2000/299/EC) (2W eirp)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
	5805 - 5815 MHz	
	Mobile	
	Short Range Devices	
	TTT	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	Recommended for 5 MHz channel spacing systems with the frequencies: 5807.5 MHz and 5812.5 MHz. For 10 MHz channel spacing system 5810 MHz.
Transmit power / Power density	Output power Antenna Gain Radiated power	The use of 8 W e.i.r.p. allows for 1 Mbit/s. 2W e.i.r.p. allows for 500 kbit/s downlink and 250 kbit/s uplink and for low data rates (31 kbit/s). 2 W e.i.r.p. 8 W e.i.r.p.
Channel access and occupation rules	Duty cycle Access protocol Trans. capacity	No restriction
Direction / Separation		
Authorisation regime	Individual licence required.	5 805 - 5 815 MHz on a national basis for multi-lane road junctions, particularly, but not exclusively road toll systems.
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EC Directive 2004/52/EC EN 300 674 ERC REC 70-03 Annex 5b2	Grand-ducal decree of the 04 june 2007 concerning the interoperability of RTTT systems in the EC. (2004/52/EC)
Remarks		
Notification number	2008/338/L	
Equipment class	Class 1	Refer to Sub-class 108 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
	5725 - 5875 MHz	
	Mobile	
	Short Range Devices	
	TTT	
	Channel spacing	500 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	-14 dBm e.i.r.p.
	Duty cycle	
	Access protocol	EN 12253
	Trans. capacity	
Direction / Separation		
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EC Directive 2004/52/EC EN 300 674	Grand-ducal decree of the 04 june 2007 concerning the interoperability of RTTT systems in the EC. (2004/52/EC)
Remarks		
Notification number	2014/450/L	
Equipment class	Class 1	Refer to Sub-class 108 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
	63000 - 64000 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices TTT	Vehicle to vehicle, vehicle to infrastructure, infrastructure to vehicle
	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	40 dBm e.i.r.p.
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 302 686	Band no.77
Remarks		
Notification number	2012/450/L	
Equipment class	Class 1	Refer to Subclass 105 (Decision 2000/299/CE)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
Frequency band	76000 - 77000 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices TTT Vehicle and infrastructure radar	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	55 dBm peak e.i.r.p.; 50 dBm mean; 23.5 dBm mean for pulse radar
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 301 091 ERC REC 70-03 Annex 5f1, ECC DEC (02)01	Band no. 79
Remarks		
Notification number	2010/708/L	
Equipment class	Class 1	Refer to subclass 50

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
Frequency band	76000 - 77000 MHz	
Radio Service	Mobile Land Mobile	
Application	Short Range Devices TTT	For obstacle detection radars for rotorcraft use.
Channel / modulation	Channel spacing	See ECC Decision
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	See ECC Decision
Channel access and occupation rules	Duty cycle	See ECC Decision
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 091 ERC REC 70-03 Annex 5f2, ECC DEC (16)01	
Remarks		
Notification number		
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
	21650 - 26650 MHz	Harmonisation of radio spectrum in the 24 GHz range for the time-limited use by automotive short-range radar equipment in the Community. (2005/50/EC amended by 2011/485/EU)
	Mobile	
	Short Range Devices TTT SRR	New SRR equipment may only be placed onto the market until 01 July 2013.
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	Detailed requirements in related ECC decision.
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2011/485/EU ERC REC 70-03 Annex c1, ECC DEC (04)10 EN 302 288	
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 1	Refer to Sub-class 52 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
	24250 - 26650 MHz	Harmonisation of radio spectrum in the 24 GHz range for the time-limited use by automotive short-range radar equipment in the Community. (2005/50/EC amended by 2011/485/EU)
	Mobile	
	Short Range Devices TTT	SRR equipment may only be placed onto the market until 01 July 2018. This date is extended by 4 years for SRR mounted on motor vehicles, with a conformity compliance before 1 January 2018.
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	Detailed requirements in related ECC decision.
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2011/485/EU ERC REC 70-03 Annex 1c2, ECC DEC (04)10 EN 302 288	
Remarks		
Notification number	2012/450/L	
Equipment class	Class 1	Refer to Sub-class 52 + 111 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
	77000 - 81000 MHz	Harmonisation of radio spectrum in the 79 GHz range for the use of automotive short-range radar equipment in the Community. (2004/545/EU)
	Mobile	
	Short Range Devices	
	TTT	
	SRR	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	Detailed requirements in related ECC decision.
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CE Decision 2004/545/EU EN 302 264 ERC REC 70-03 Annex 5g, ECC DEC (04)03	
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 1	Refer to Sub-class 53 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
	24050 - 24075 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices TTT	For vehicle radars
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	100 mW e.i.r.p.
	Antenna Gain	
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CE Decision 2013/752/EU EN 302 858 ERC REC 70-03 Annex 5d1	Band no. 66
Remarks		
Notification number	2012/305/L	
Equipment class	Class 1	Refer to Subclass 101 (Commission Decision 2000/299/CE)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
	24075 - 24150 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices TTT	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	a) 0.1mW e.i.r.p. b) 100mW e.i.r.p.
	Antenna Gain	
	Radiated power	
	Duty cycle	
	Access protocol	See detailed requirements for Spectrum access and mitigation requirement in related ERC Recommendation.
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CE Decision 2013/752/EU EN 302 858 ERC REC 70-03 Annex 5d2,3,4	Band no. 69a + 69b
Remarks		
Notification number	2012/305/L	
Equipment class	Class 1	Refer to Subclass 102 (Decision 2000/299/CE) (0.1mW eirp) Refer to Subclass 103 (Decision 2000/299/CE) (100mW eirp)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description	Comment
	24150 - 24250 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices TTT	For vehicle radars
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	100mW e.i.r.p.
	Antenna Gain	
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CE Decision 2013/752/EU EN 302 858 ERC REC 70-03 Annex 5d5	Band no. 70b
Remarks		
Notification number	2012/305/L	
Equipment class	Class 1	Refer to Subclass 104 (Decision 2000/299/CE)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description		Comment
	24250 - 24495 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile		
	Short Range Devices TTT		For automotive radars
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	-11 dBm e.i.r.p.	
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle	$\leq 0.25\%/s/25\text{ MHz}$	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 302 858 ERC REC 70-03 Annex 5e1		Band no. 71
Remarks			
Notification number	2012/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description		Comment
	24495 - 24500 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile		
	Short Range Devices TTT		For automotive radars
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	-8 dBm e.i.r.p.	
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle	$\leq 1.5\%/s/5\text{ MHz}$	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 302 858 ERC REC 70-03 Annex 5e3		Band no. 73
Remarks			
Notification number	2012/450/L		
Equipment class	Class 1		Refer to Subclass 113 (Decision 2000/299/CE)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Transport and Traffic Telematics (TTT)

Parameter	Description		Comment
	24250 - 24500 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile		
	Short Range Devices TTT		For automotive radars
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	a) 20 dBm eirp b) 16 dBm eirp	
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle	a) $\leq 5.6\%/s/25\text{ MHz}$ b) $\leq 2.3\%/s/25\text{ MHz}$	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 302 858 ERC REC 70-03 Annex 5e2		Band no. 72
Remarks			
Notification number	2012/450/L		
Equipment class	Class 1		Refer to Subclass 112 (Decision 2000/299/CE)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description		Comment
Frequency band	2400 - 2483.5 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Radiodetermination applications		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 440 ERC REC 70-03 Annex 6c, ERC DEC (01)08		Band no.57b
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 1		Refer to Sub-class 26 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description		Comment
Frequency band	9200 - 9500 MHz		
Radio Service	Mobile		
Application	Short Range Devices Radiodetermination applications		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 440 ERC REC 70-03 Annex 6h		
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description		Comment
Frequency band	9500 - 9975 MHz		
Radio Service	Mobile		
Application	Short Range Devices Radiodetermination applications		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 440 ERC REC 70-03 Annex 6i		
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description		Comment
Frequency band	10.5 - 10.6 GHz		
Radio Service	Mobile		
Application	Short Range Devices Radiodetermination applications		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing. Power Limited to 25 mW e.i.r.p. in Luxembourg.		To avoid interferences with the fixed service (ERC Report 47)
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 440		
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
Frequency band	13400 - 14000 MHz	
Radio Service	Mobile	
Application	Short Range Devices Radiodetermination applications	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	25 mW e.i.r.p.
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 440 ERC REC 70-03 Annex 6k	
Remarks		
Notification number	2005/0347/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description		Comment
Frequency band	24050 - 24250 MHz		
Radio Service	Mobile		
Application	Short Range Devices Radiodetermination applications		The frequency band 24.0–24.25 GHz is identified with the same emission parameters in Annex 1 band j of the ERC REC 70-03.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.i.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 440 ERC REC 70-03 Annex 6m		
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
Frequency band	4500 - 7000 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Radiodetermination applications TLPR	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	The power limit is the radiated emission outside an enclosed tank structure.
	Antenna Gain	
	Radiated power	-41.3 dBm/MHz e.i.r.p. The maximum emission inside an enclosed tank structure is 24 dBm e.i.r.p.
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 302 372 ERC REC 70-03 Annex 6f1	Band no. 60
Remarks		
Notification number	2008/338/L	
Equipment class	Class 1	Refer to Sub-class 89 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description		Comment
Frequency band	8500 - 10600 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Radiodetermination applications TLPR		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		The power limit is the radiated emission outside an enclosed tank structure.
	Antenna Gain		The maximum emission inside an enclosed tank structure is 30 dBm e.i.r.p.
	Radiated power	-41.3 dBm/MHz e.i.r.p.	For the frequency range 10.6 - 10.7 GHz, the radiated unwanted emissions outside the tank enclosure shall be less than -60 dBm/MHz e.i.r.p.
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 302 372 ERC REC 70-03 Annex 6f2		Band no.64
Remarks			
Notification number	2008/338/L		
Equipment class	Class 1		Refer to Sub-class 90 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
Frequency band	24050 - 27000 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Radiodetermination applications TLPR	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	The power limit is the radiated emission outside an enclosed tank structure.
	Antenna Gain	
	Radiated power	-41.3 dBm/MHz e.i.r.p. The maximum emission inside an enclosed tank structure is 43 dBm e.i.r.p.
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 302 372 ERC REC 70-03 Annex 6f3	Band no.68
Remarks		
Notification number	2008/338/L	
Equipment class	Class 1	Refer to Sub-class 91 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description		Comment
Frequency band	57000 - 64000 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Radiodetermination applications TLPR		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		The power limit is the radiated emission outside an enclosed tank structure.
	Antenna Gain		
	Radiated power	-41.3 dBm/MHz e.i.r.p.	The maximum emission inside an enclosed tank structure is 43 dBm e.i.r.p.
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 302 372 ERC REC 70-03 Annex 6f4		Band no. 74b
Remarks			
Notification number	2008/338/L		
Equipment class	Class 1		Refer to Sub-class 92 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
Frequency band	75000 - 85000 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Radiodetermination applications TLPR	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	The power limit is the radiated emission outside an enclosed tank structure.
	Antenna Gain	
	Radiated power	-41.3 dBm/MHz e.i.r.p. The maximum emission inside an enclosed tank structure is 43 dBm e.i.r.p.
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 302 372 ERC REC 70-03 Annex 6f5	Band no. 78b
Remarks		
Notification number	2008/338/L	
Equipment class	Class 1	Refer to Sub-class 93 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
	6000 - 8500 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices Radiodetermination applications LPR	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	See detail requirement in related ECC decision
	Output power Antenna Gain Radiated power	7 dBm/50 MHz peak eirp ; -33 dBm/MHz mean eirp See detail requirement in related ECC decision.
	Duty cycle Access protocol Trans. capacity	See detail requirement in related ECC decision
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 302 729 ERC REC 70-03 Annex 6g1, ECC/DEC/(11)02	Band no. 63
Remarks		
Notification number	2012/450/L	
Equipment class	Class 2	Refer to Sub-class H06 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
	24050 - 26500 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices Radiodetermination applications LPR	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	See detail requirement in related ECC decision
	Output power Antenna Gain Radiated power	26 dBm/50 MHz peak eirp; -14 dBm/MHz mean eirp See detail requirement in related ECC decision
	Duty cycle Access protocol Trans. capacity	See detail requirement in related ECC decision
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 302 729 ERC REC 70-03 Annex 6g2, ECC/DEC/(11)02	Band no. 67
Remarks		
Notification number	2012/450/L	
Equipment class	Class 2	Refer to Sub-class H07 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
	57000 - 64000 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices Radiodetermination applications LPR	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	See detail requirement in related ECC decision
	Output power Antenna Gain Radiated power	35 dBm/50 MHz peak eirp; -2 dBm/MHz mean eirp See detail requirement in related ECC decision
	Duty cycle Access protocol Trans. capacity	See detail requirement in related ECC decision
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 302 729 ERC REC 70-03 Annex 6g3, ECC/DEC/(11)02	Band no. 74c
Remarks		
Notification number	2012/450/L	
Equipment class	Class 1	Refer to Sub-class 127 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
	75000 - 85000 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
	Mobile	
	Short Range Devices Radiodetermination applications LPR	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	See detail requirement in related ECC decision
	Output power Antenna Gain Radiated power	34 dBm/50 MHz peak eirp; -3 dBm/MHz mean eirp See detail requirement in related ECC decision
	Duty cycle Access protocol Trans. capacity	See detail requirement in related ECC decision
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 302 729 ERC REC 70-03 Annex 6g4, ECC/DEC/(11)02	Band no. 78a
Remarks		
Notification number	2012/450/L	
Equipment class	Class 2	Refer to Sub-class H08 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description		Comment
Frequency band	17100 - 17300 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Radiodetermination applications GBSAR		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		Specific requirements for the radar antenna pattern and for the implementation of DAA technique apply as described in EN 300440.
	Antenna Gain		
	Radiated power	+26 dBm e.i.r.p.	
Channel access and occupation rules	Duty cycle	Detect and Avoid (DAA)	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 440 ERC REC 70-03 Annex 6l		Band no. 65
Remarks			
Notification number	2008/338/L		
Equipment class	Class 1		Refer to Sub-class 88 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
	30 - 12400 MHz	
	Mobile	
	Short Range Devices	
	UWB applications	
	GPR/WPR	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	Detailed requirements in related ECC decision
	Antenna Gain	
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 066 ERC REC 70-03 Annex 6q, ECC/DEC/(06)08	
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
	3100 - 4800 MHz	
	Mobile ----- Land Mobile -----	
	Short Range Devices ----- Tracking, tracing and data acquisition ----- LT2	LT2
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency -----	
	Output power ----- Antenna Gain ----- Radiated power -----	Detailed requirements in related ECC recommendation
	Duty cycle ----- Access protocol ----- Trans. capacity -----	
Direction / Separation		
Authorisation regime	The use of LT2 devices is subject to declaration	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 065 ERC REC 70-03 Annex 6s1, ECC/REC/(11)09	
Remarks		
Notification number	2016/7/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radiodetermination applications

Parameter	Description	Comment
	3100 - 4800 MHz	
	Mobile ----- Land Mobile -----	
	Short Range Devices ----- Tracking, tracing and data acquisition ----- LAES	LAES
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	Detailed requirements in related ECC recommendation
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	The use of LAES devices is subject to declaration	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 065 ERC REC 70-03 Annex 6s2, ECC/REC/(11)10	
Remarks		
Notification number	2016/7/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Alarms

Parameter	Description		Comment
Frequency band	868.6 - 868.7 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Alarms		Low duty cycle/high reliability devices
Channel / modulation	Channel spacing	25 kHz	The whole frequency band may also be used as one single channel for high speed data transmissions.
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	< 1 %	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 7a		Band nr. 49
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 32 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Alarms

Parameter	Description		Comment
Frequency band	869.25 - 869.3 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Alarms		Low duty cycle/high reliability devices
Channel / modulation	Channel spacing	25 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	< 0.1 %	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 7c		Band nr. 52
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 33 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Alarms

Parameter	Description		Comment
Frequency band	869.3 - 869.4 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Alarms		Low duty cycle/high reliability devices
Channel / modulation	Channel spacing	25 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	<=1 %	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 7d		Band nr.53
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 72 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Alarms

Parameter	Description		Comment
Frequency band	869.65 - 869.7 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Alarms		Low duty cycle/high reliability devices
Channel / modulation	Channel spacing	25 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 mW e.r.p.	
Channel access and occupation rules	Duty cycle	<10 %	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 7e		Band nr.55
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 34 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Alarms

Parameter	Description	Comment
Frequency band	869.2 - 869.25 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Alarms Social alarms	Low duty cycle/high reliability devices. Social alarm devices are used to assist elderly or disabled people living at home when they are in distress
Channel / modulation	Channel spacing	25 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	10 mW e.r.p.
Channel access and occupation rules	Duty cycle	<0.1 %
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 7b	Band nr. 51
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 1	Refer to Sub-class 35 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Model Control

Parameter	Description		Comment
Frequency band	26.995 - 26.995 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Model control		This frequency band is also identified for non-specific applications with a duty cycle of 0,1 %.
Channel / modulation	Channel spacing	10 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 8a1		Band no.29
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 1		Refer to Sub-class 94 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Model Control

Parameter	Description		Comment
Frequency band	27.045 - 27.045 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Model control		This frequency band is also identified for non-specific applications with a duty cycle of 0,1 %.
Channel / modulation	Channel spacing	10 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 8a2		Band no.30
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 1		Refer to Sub-class 95 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Model Control

Parameter	Description		Comment
Frequency band	27.095 - 27.095 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Model control		This frequency band is also identified for non-specific applications with a duty cycle of 0,1 %.
Channel / modulation	Channel spacing	10 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 8a3		Band no.31
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 1		Refer to Sub-class 96 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Model Control

Parameter	Description		Comment
Frequency band	27.145 - 27.145 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Model control		This frequency band is also identified for non-specific applications with a duty cycle of 0,1 %.
Channel / modulation	Channel spacing	10 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 8a4		Band no.32
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 1		Refer to Sub-class 97 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Model Control

Parameter	Description		Comment
Frequency band	27.195 - 27.195 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Model control		This frequency band is also identified for non-specific applications with a duty cycle of 0,1 %.
Channel / modulation	Channel spacing	10 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 220 ERC REC 70-03 Annex 8a5		Band no.33
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 1		Refer to Sub-class 98 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Model Control

Parameter	Description	Comment
Frequency band	40.665 - 40.665 MHz	
Radio Service	Mobile	
Application	Short Range Devices Model control	
Channel / modulation	Channel spacing	10 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	100 mW e.r.p.
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 220 ERC REC 70-03 Annex 8c1, ERC DEC (01)12	
Remarks		
Notification number	2005/0347/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Model Control

Parameter	Description	Comment
Frequency band	40.675 - 40.675 MHz	
Radio Service	Mobile	
Application	Short Range Devices Model control	
Channel / modulation	Channel spacing	10 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	100 mW e.r.p.
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 220 ERC REC 70-03 Annex 8c2, ERC DEC (01)12	
Remarks		
Notification number	2005/0347/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Model Control

Parameter	Description	Comment
Frequency band	40.685 - 40.685 MHz	
Radio Service	Mobile	
Application	Short Range Devices Model control	
Channel / modulation	Channel spacing	10 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	100 mW e.r.p.
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 220 ERC REC 70-03 Annex 8c3, ERC DEC (01)12	
Remarks		
Notification number	2005/0347/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Model Control

Parameter	Description		Comment
Frequency band	40.695 - 40.695 MHz		
Radio Service	Mobile		
Application	Short Range Devices Model control		
Channel / modulation	Channel spacing	10 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 8c4, ERC DEC (01)12		
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Model Control / Flying models

Parameter	Description		Comment
Frequency band	34.995 - 35.225 MHz		
Radio Service	Mobile		
Application	Short Range Devices Model control Flying model control		
Channel / modulation	Channel spacing	10 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	100 mW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 220 ERC REC 70-03 Annex 8b, ERC DEC (01)11		
Remarks			
Notification number	2005/0347/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	0.009 - 0.09 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	72 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9a1		Band nr. 1,3,4,5,6,7,8
Remarks			
Notification number	2010/378/L		
Equipment class	Class 1		Refer to Sub-class 36,37,39,40a.b.c.d 2000/299/EC

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	0.09 - 0.119 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	42 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9a2		Band nr.9
Remarks			
Notification number	2010/378/L		
Equipment class	Class 1		Refer to Sub-class 40e (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	0.119 - 0.135 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	66 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9a3		Band nr. 10,11,12
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 41,42a,42b (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	0.135 - 0.14 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	42 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9b		Band nr.13
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Subclass 106 (Decision 2000/299/CE)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	0.14 - 0.1485 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	37.7 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9c		Band nr.14
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 73 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	6.765 - 6.795 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	42 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9f		Band nr.22a
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 44 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	7.4 - 8.8 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	9 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9g		Band no.24
Remarks	Protection of nearby receivers of other radio services		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 45 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	13.553 - 13.567 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	42 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	ERC DEC (01)14		
Planned changes			
Reference	Decision 2013/752/EU EN 300 330, EN 302 291 ERC REC 70-03 Annex 9j		Band no.27a
Remarks	Protection of nearby receivers of other radio services		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 116 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	13.41 - 13.553 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		For RFID only. Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 10".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	9 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j1.4		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	13.567 - 13.71 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		For RFID only. Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 10".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	9 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j1.5		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	13.11 - 13.41 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		For RFID only. Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 10".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-3.5 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j1.3		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	13.71 - 14.01 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		For RFID only. Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 10".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-3.5 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j1.6		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	12.66 - 13.11 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		For RFID only. Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 10".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-10m dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j1.2		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	14.01 - 14.46 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		For RFID only. Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 10".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-10m dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j1.7		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	11.81 - 12.66 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		For RFID only. Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 10".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-16m dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j1.1		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	14.46 - 15.31 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		For RFID only. Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 10".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-16m dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j1.8		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	13.553 - 13.567 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		FOR RFID AND EAS ONLY! Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	60 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330, EN 302 291 ERC REC 70-03 Annex 9j2		Band no. 27b
Remarks	Protection of nearby receivers of other radio services		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 79 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	13.46 - 13.553 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		FOR RFID ONLY ! Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 11".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	27 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j3.4		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	13.567 - 13.66 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		FOR RFID ONLY ! Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 11".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	27 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j3.5		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description	Comment
Frequency band	13.36 - 13.46 MHz	
Radio Service	Mobile	
Application	Short Range Devices Inductive applications	FOR RFID ONLY ! Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 11".
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Linear transition from 27 to -3.5 dBuA/m @ 10m
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 330 ERC REC 70-03 Annex 9j3.3	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description	Comment
Frequency band	13.66 - 13.76 MHz	
Radio Service	Mobile	
Application	Short Range Devices Inductive applications	FOR RFID ONLY ! Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 11".
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Linear transition from 27 to -3.5 dBuA/m @ 10m
Channel access and occupation rules	Duty cycle	No restriction
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 330 ERC REC 70-03 Annex 9j3.6	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	13.11 - 13.36 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		FOR RFID ONLY ! Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 11".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-3.5 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j3.2		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	13.76 - 14.01 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		FOR RFID ONLY ! Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 11".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-3.5 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j3.7		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	12.66 - 13.11 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		FOR RFID ONLY ! Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 11".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-5 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j3.1		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	14.01 - 14.46 MHz		
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		FOR RFID ONLY ! Only in connection with the frequency band defined in the interface "LUX/RI SRD-A9 11".
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-5 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 330 ERC REC 70-03 Annex 9j3.8		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	26.957 - 27.283 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	42 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9i		Band no.28a
Remarks	Protection of nearby receivers of other radio services		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 115 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	10.2 - 11 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	9dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9h		Band no.25
Remarks	Protection of nearby receivers of other radio services		
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 78 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	3.155 - 3.4 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	13.5 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	In case of external antennas only loop coil antennas may be employed		
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9e		Band no.20
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 76 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	0.1485 - 5 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		The maximum field strength is specified in a bandwidth of 10 kHz. The maximum allowed total field strength is -5 dBuA/m at 10 m for systems operating at bandwidths larger than 10 kHz whilst keeping the density limit (-15 dBuA/m in a bandwidth of 10 kHz).
	Antenna Gain		
	Radiated power	-15 dBuA/m @ 10 m	
Channel access and occupation rules	Duty cycle	No Restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	In case of external antennas only loop coil antennas may be employed		
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9k1		Band nr.15
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 74 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	5 - 30 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		The maximum field strength is specified in a bandwidth of 10 kHz. The maximum allowed total field strength is -5 dBuA/m at 10 m for systems operating at bandwidths larger than 10 kHz whilst keeping the density limit (-20 dBuA/m in a bandwidth of 10 kHz).
	Antenna Gain		
	Radiated power	-20 dBuA/m @ 10 m	
Channel access and occupation rules	Duty cycle	No Restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	In case of external antennas only loop coil antennas may be employed		
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9k2		Band no.21
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 77 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Inductive applications

Parameter	Description		Comment
Frequency band	0.4 - 0.6 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Inductive applications		For RFID only !
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		The maximum field strength is specified in a bandwidth of 10 kHz. The maximum allowed total field strength is -5 dBuA/m at 10 m for systems operating at bandwidths larger than 10 kHz measured at the center frequency whilst keeping the density limit (-8 dBuA/m in a bandwidth of 10 kHz). These systems should operate with a minimum operating bandwidth of 30 kHz.
	Antenna Gain		
	Radiated power	-8 dBuA/m @ 10 m	
Channel access and occupation rules	Duty cycle	No Restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	In case of external antennas only loop coil antennas may be employed		
Planned changes			
Reference	Decision 2013/752/EU EN 300 330 ERC REC 70-03 Annex 9d		Band nr. 17
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 75 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	29.7 - 47 MHz	
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD	Radio microphones
Channel / modulation	Channel spacing	50 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	10 mW e.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	Frequency band of 34.995 - 35.225 MHz shall not be used. (Only for flying models)	
Planned changes		
Reference	EN 300 422 ERC REC 70-03 Annex 10a	
Remarks		
Notification number	2005/347/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	173.965 - 216 MHz	
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD	
Channel / modulation	Channel spacing	50 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	10 mW e.r.p.
Channel access and occupation rules	Duty cycle	<= 50kHz
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 422 ERC REC 70-03 Annex 10d, ECC Report 230	
Remarks		
Notification number	2016/7/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	863 - 865 MHz	
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD Radio microphones	Radio microphones including wireless audio and multimedia streaming devices
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	10 mW e.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 301 357, EN 300 422 ERC REC 70-03 Annex 10g	Band no. 46b (wireless audio and multimedia streaming devices)
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 1	Refer to Sub-class 48 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description		Comment
Frequency band	916.1 - 916.5 MHz		Center frequencies: 916.3 MHz, 917.5 MHz, 918.7 MHz and 919.9 MHz.
Radio Service	Mobile		
Application	Short Range Devices Radio microphones and ALD		Indoor Digital Assistive Listening Device Systems. The frequency band is also used for non-specific SRDs and RFID applications
Channel / modulation	Channel spacing	<= 400 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 mW e.r.p.	
Channel access and occupation rules	Duty cycle	<= 25%	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 422 ERC REC 70-03 Annex 10h1		
Remarks			
Notification number	2014/450/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	917.3 - 917.7 MHz	Center frequencies: 916.3 MHz, 917.5 MHz, 918.7 MHz and 919.9 MHz.
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD	Indoor Digital Assistive Listening Device Systems. The frequency band is also used for non-specific SRDs and RFID applications
Channel / modulation	Channel spacing	<= 400 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	10 mW e.r.p.
Channel access and occupation rules	Duty cycle	<= 25%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 422 ERC REC 70-03 Annex 10h2	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	918.5 - 918.9 MHz	Center frequencies: 916.3 MHz, 917.5 MHz, 918.7 MHz and 919.9 MHz.
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD	Indoor Digital Assistive Listening Device Systems. The frequency band is also used for non-specific SRDs and RFID applications
Channel / modulation	Channel spacing	<= 400 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	10 mW e.r.p.
Channel access and occupation rules	Duty cycle	<= 25%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 422 ERC REC 70-03 Annex 10h3	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	919.7 - 920.1 MHz	Center frequencies: 916.3 MHz, 917.5 MHz, 918.7 MHz and 919.9 MHz.
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD	Indoor Digital Assistive Listening Device Systems. The frequency band is also used for non-specific SRDs and RFID applications
Channel / modulation	Channel spacing	<= 400 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	10 mW e.r.p.
Channel access and occupation rules	Duty cycle	<= 25%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 422 ERC REC 70-03 Annex 10h4	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
	174 - 216 MHz	On a tuning range basis
	Mobile	
	Short Range Devices	
	Radio microphones and ALD	
	Radio microphones	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	50 mW e.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 422 ERC REC 70-03 Annex 10e	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	470 - 786 MHz	On a tuning range basis
Radio Service	Mobile	THE FREQUENCY BAND OF 694-790 MHz WILL BE ALLOCATED TO THE MOBILE SERVICE IN NEAR FUTURE!
Application	Short Range Devices Radio microphones and ALD Radio microphones	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	50 mW e.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 422 ERC REC 70-03 Annex 10f1	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	786 - 789 MHz	On a tuning range basis
Radio Service	Mobile	THE FREQUENCY BAND OF 694-790 MHz WILL BE ALLOCATED TO THE MOBILE SERVICE IN NEAR FUTURE!
Application	Short Range Devices Radio microphones and ALD Radio microphones	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	12mW e.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 422 ERC REC 70-03 Annex 10f2	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
	823 - 826 MHz	Harmonised radio spectrum for use by PMSE (2014/641/EU)
	Mobile	
	Short Range Devices Radio microphones and ALD Radio microphones	
	Channel spacing	200 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	20mW e.i.r.p. 100mW e.i.r.p.
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2014/641/EU EN 300 422 ERC REC 70-03 Annex 10f3	Block Edge Masks are defined in Decision 2014/641/EU
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
	826 - 832 MHz	Harmonised radio spectrum for use by PMSE (2014/641/EU)
	Mobile	
	Short Range Devices Radio microphones and ALD Radio microphones	
	Channel spacing	200 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	100mW e.i.r.p.
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2014/641/EU EN 300 422 ERC REC 70-03 Annex 10f4	Block Edge Masks are defined in Decision 2014/641/EU
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	1785 - 1795 MHz	Harmonised radio spectrum for use by PMSE (2014/641/EU)
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD Radio microphones	
Channel / modulation	Channel spacing: No spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
Transmit power / Power density	Output power Antenna Gain Radiated power: 20 mW e.i.r.p. 50 mW e.i.r.p.	50 mW e.i.r.p. restricted to body worn microphones.
Channel access and occupation rules	Duty cycle: up to 100% Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2014/641/EU EN 300 422 ERC REC 70-03 Annex 10j1	Block Edge Masks are defined in Decision 2014/641/EU
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	1795 - 1800 MHz	Harmonised radio spectrum for use by PMSE (2014/641/EU)
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD Radio microphones	The frequency band is also used for wireless audio applications
Channel / modulation	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	No spacing
Transmit power / Power density	Output power Antenna Gain Radiated power	50 mW e.i.r.p. restricted to body worn microphones. 20 mW e.i.r.p. 50 mW e.i.r.p.
Channel access and occupation rules	Duty cycle Access protocol Trans. capacity	up to 100%
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2014/641/EU EN 300 422 ERC REC 70-03 Annex 10j2	Block Edge Masks are defined in Decision 2014/641/EU
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	1800 - 1804.8 MHz	Harmonised radio spectrum for use by PMSE (2014/641/EU)
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD Radio microphones	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	20 mW e.i.r.p. 50 mW e.i.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2014/641/EU EN 300 422 ERC REC 70-03 Annex 10j3	Block Edge Masks are defined in Decision 2014/641/EU
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	169.4 - 169.475 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD Public hearing aids	
Channel / modulation	Channel spacing	Max 50 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	500 mW e.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU ECC/DEC (05)02; ERC REC 70-03 Annex 10c2 EN 300 422	Band no. 37a
Remarks		
Notification number	2007/351/L	
Equipment class	Class 1	Refer to Sub-class 68 (2000/299/EC) (10mW erp)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	169.4875 - 169.5875 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD Public hearing aids	
Channel / modulation	Channel spacing	Max 50 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	500 mW e.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU ECC/DEC (05)02; ERC REC 70-03 Annex 10c4 EN 300 422	Band no. 39a
Remarks		
Notification number	2007/351/L	
Equipment class	Class 1	Refer to Sub-class 64 (2000/299/EC) (10mW erp)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	169.6 - 174 MHz	
Radio Service	Mobile	
Application	Short Range Devices Radio microphones and ALD Aids for hearing impaired	
Channel / modulation	Channel spacing	Max 50 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	10 mW e.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 422 ERC REC 70-03 Annex 10b	
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	1492 - 1518 MHz	
Radio Service	Mobile	THE FREQUENCY BAND OF 1492-1518 MHz IS SUBJECT TO BE HARMONISED FOR IMT SERVICES IN FUTURE AND FOR THIS REASON NO MORE AVAILABLE FOR RADIO MICROPHONES.
Application	Short Range Devices Radio microphones and ALD Radio microphones	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	50 mW e.i.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	Restricted to indoor use	
Planned changes		
Reference	EN 300 422 ERC REC 70-03 Annex 10i	
Remarks		
Notification number	2013/632/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radio microphones including Assistive Listening Devices, Wireless Audio and Multimedia Streaming Systems

Parameter	Description	Comment
Frequency band	87.5 - 108 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile ----- Land Mobile -----	
Application	Short Range Devices ----- Radio microphones and ALD -----	Low power FM transmitters
Channel / modulation	Channel spacing	max. 200 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	50 nW e.r.p.
Channel access and occupation rules	Duty cycle	up to 100%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 301 357 ERC REC 70-03 Annex 10a1	Band no.36
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 1	Refer to Sub-class 86 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio frequency identification applications

Parameter	Description		Comment
Frequency band	2446 - 2454 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices RFID		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	$\leq 500mW$ e.i.r.p.	
Channel access and occupation rules	Duty cycle	No requirement	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 300 440 ERC REC 70-03 Annex 11c1		Band no. 58
Remarks			
Notification number	2010/378/L		
Equipment class	Class 1		Refer to Subclass 100(Commission Decision 2000/299/CE)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radio frequency identification applications

Parameter	Description		Comment
Frequency band	2446 - 2454 MHz		
Radio Service	Mobile		
Application	Short Range Devices RFID		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	> 500mW - 4W e.i.r.p	
Channel access and occupation rules	Duty cycle	<= 15%	Power levels above 500 mW are restricted to use inside the boundaries of a building and the duty cycle of all transmissions shall in this case be <= 15% in any 200ms period (30ms on /170ms off)
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 440 ERC REC 70-03 Annex 11c2		
Remarks			
Notification number	2010/378/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio frequency identification applications

Parameter	Description	Comment								
	865 - 865.6 MHz	Harmonisation of the radio spectrum for radio frequency identification (RFID) devices operating in the ultra high frequency (2006/804/EC)								
	Mobile									
	Short Range Devices RFID									
	<table border="1"> <tr> <td>Channel spacing</td> <td>200 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	200 kHz	Designation of emission		Modulation / Occupied bandwidth		Reference frequency		Center frequencies : $864.9 + (0.2 * \text{channel number})$ Channel numbers : 1-3
Channel spacing	200 kHz									
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
	<table border="1"> <tr> <td>Output power</td> <td>100 mW e.r.p.</td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	100 mW e.r.p.	Antenna Gain		Radiated power				
Output power	100 mW e.r.p.									
Antenna Gain										
Radiated power										
	<table border="1"> <tr> <td>Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity		Frequency hopping or other spread spectrum techniques shall not be used.		
Duty cycle										
Access protocol										
Trans. capacity										
Direction / Separation										
Authorisation regime	Exempt from individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	Decision 2006/804/EC EN 302 208 ERC REC 70-03 Annex 11a1									
Remarks										
Notification number	2007/351/L									
Equipment class	Class 1	Refer to Sub-class 56 (2000/299/EC)								

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio frequency identification applications

Parameter	Description	Comment								
	865.6 - 867.6 MHz	Harmonisation of the radio spectrum for radio frequency identification (RFID) devices operating in the ultra high frequency (2006/804/EC)								
	Mobile									
	Short Range Devices RFID									
	<table border="1"> <tr> <td>Channel spacing</td> <td>200 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	200 kHz	Designation of emission		Modulation / Occupied bandwidth		Reference frequency		Center frequencies : 864.9 + (0.2 * channel number) Channel numbers : 4-13
Channel spacing	200 kHz									
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
	<table border="1"> <tr> <td>Output power</td> <td>2 W e.r.p.</td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	2 W e.r.p.	Antenna Gain		Radiated power				
Output power	2 W e.r.p.									
Antenna Gain										
Radiated power										
	<table border="1"> <tr> <td>Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity		Frequency hopping or other spread spectrum techniques shall not be used.		
Duty cycle										
Access protocol										
Trans. capacity										
Direction / Separation										
Authorisation regime	Exempt from individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	Decision 2006/804/EC EN 302 208 ERC REC 70-03 Annex 11a2									
Remarks										
Notification number	2007/351/L									
Equipment class	Class 1	Refer to Sub-class 56 (2000/299/EC)								

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio frequency identification applications

Parameter	Description	Comment								
	867.6 - 868 MHz	Harmonisation of the radio spectrum for radio frequency identification (RFID) devices operating in the ultra high frequency (2006/804/EC)								
	Mobile									
	Short Range Devices RFID									
	<table border="1"> <tr> <td>Channel spacing</td> <td>200 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	200 kHz	Designation of emission		Modulation / Occupied bandwidth		Reference frequency		Center frequencies : $864.9 + (0.2 * \text{channel number})$ Channel numbers : 4-15
Channel spacing	200 kHz									
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
	<table border="1"> <tr> <td>Output power</td> <td>500 mW e.r.p.</td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	500 mW e.r.p.	Antenna Gain		Radiated power				
Output power	500 mW e.r.p.									
Antenna Gain										
Radiated power										
	<table border="1"> <tr> <td>Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity		Frequency hopping or other spread spectrum techniques shall not be used.		
Duty cycle										
Access protocol										
Trans. capacity										
Direction / Separation										
Authorisation regime	Exempt from individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	Decision 2006/804/EC EN 302 208 ERC REC 70-03 Annex 11a3									
Remarks										
Notification number	2007/351/L									
Equipment class	Class 1	Refer to Sub-class 56 (2000/299/EC)								

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Radio frequency identification applications

Parameter	Description	Comment
	915 - 921 MHz	
	Mobile	
	Short Range Devices RFID	The frequency band is also used for non-specific SRDs and radio microphones. Interrogators only allowed for following channels: 916.3 MHz, 917.5 MHz, 918.7 MHz and 919.9 MHz
	Channel spacing	<= 400 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	4 W e.r.p.
	Antenna Gain	
	Radiated power	Operation only when necessary to perform the intended operation, i.e. when RFID tags are expected to be present.
	Duty cycle	
	Access protocol	
	Trans. capacity	For ER-GSM protection (918-921 MHz, where applicable), DAA is required.
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 208 ERC REC 70-03 Annex 11b	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Radio frequency identification applications

Parameter	Description	Comment								
	865 - 868 MHz									
	Mobile ----- Land Mobile -----									
	Short Range Devices ----- RFID -----									
	<table border="1"> <tr> <td>Channel spacing</td> <td>200 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	200 kHz	Designation of emission		Modulation / Occupied bandwidth		Reference frequency		Four authorised channels: 865.7, 866.3, 866.9 and 867.5 MHz
Channel spacing	200 kHz									
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
	<table border="1"> <tr> <td>Output power</td> <td>2W e.r.p.</td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	2W e.r.p.	Antenna Gain		Radiated power				
Output power	2W e.r.p.									
Antenna Gain										
Radiated power										
	<table border="1"> <tr> <td>Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity				
Duty cycle										
Access protocol										
Trans. capacity										
Direction / Separation										
Authorisation regime	Exempt from individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 302 208 ERC REC 70-03 Annex 11a									
Remarks										
Notification number										
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Wireless applications in Healthcare

Parameter	Description		Comment
Frequency band	402 - 405 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Active medical implants ULP-AMI		
Channel / modulation	Channel spacing	25 kHz	Individual transmitters may combine adjacent channels for increased bandwidth up to 300 kHz.
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		Other techniques to access spectrum or mitigate interference, including bandwidths greater than 300 kHz, can be used provided they result at least in an equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC to ensure compatible operation with the other users and in particular with meteorological radiosondes.
	Antenna Gain		
	Radiated power	25 uW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 301 839		Band no.42 Council Directive 90/385/EEC
Remarks			
Notification number	2009/0375/L		
Equipment class	Class 1		Refer to Sub-class 47 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Wireless applications in Healthcare

Parameter	Description		Comment
Frequency band	401 - 402 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Active medical implants ULP-AMI		
Channel / modulation	Channel spacing	25 kHz	Individual transmitters may combine adjacent 25 kHz channels for increased bandwidth up to 100 kHz.
	Designation of emission		
	Modulation / Occupied bandwidth		Due to the limited available spectrum of 1 MHz, a maximum bandwidth of 100 kHz is proposed for these bands to ensure that several users could access the band concurrently.
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 uW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction for LBT, otherwise $\leq 0.1\%$	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle limit of 0.1% may also be used.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 302 537		Band no.41
Remarks			
Notification number	2010/708/L		
Equipment class	Class 1		Refer to Sub-class 83 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Wireless applications in Healthcare

Parameter	Description		Comment
Frequency band	405 - 406 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Active medical implants ULP-AMI		
Channel / modulation	Channel spacing	25 kHz	Individual transmitters may combine adjacent 25 kHz channels for increased bandwidth up to 100 kHz. Due to the limited available spectrum of 1 MHz, a maximum bandwidth of 100 kHz is proposed for these bands to ensure that several users could access the band concurrently.
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	25 uW e.r.p.	
Channel access and occupation rules	Duty cycle	No restriction for LBT, otherwise $\leq 0.1\%$	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 1999/5/EC must be used. Alternatively a duty cycle limit of 0.1% may also be used.
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 302 537		Band no.43
Remarks			
Notification number	2010/708/L		
Equipment class	Class 1		Refer to Sub-class 84 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

SRD

Wireless applications in Healthcare

Parameter	Description	Comment								
Frequency band	0.009 - 0.315 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)								
Radio Service	Mobile									
Application	Short Range Devices Active medical implants ULP-AMI	This application is for ultra low power active medical implants systems using inductive loop techniques for telemetry purposes.								
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>No spacing</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	No spacing	Designation of emission		Modulation / Occupied bandwidth		Reference frequency		
Channel spacing	No spacing									
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td>30 dBuA/m @ 10m</td> </tr> </table>	Output power		Antenna Gain		Radiated power	30 dBuA/m @ 10m			
Output power										
Antenna Gain										
Radiated power	30 dBuA/m @ 10m									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td><= 10 %</td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle	<= 10 %	Access protocol		Trans. capacity				
Duty cycle	<= 10 %									
Access protocol										
Trans. capacity										
Direction / Separation										
Authorisation regime	Exempt from individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	Decision 2013/752/EU EN 302 195 ERC REC 70-03 Annex 12a	Band no.2								
Remarks										
Notification number	2009/0375/L									
Equipment class	Class 1	Refer to Sub-class 81 (2000/299/EC)								

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Wireless applications in Healthcare

Parameter	Description	Comment
Frequency band	0.315 - 0.6 MHz	Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile	
Application	Short Range Devices Active medical implants ULP-AID	
Channel / modulation	Channel spacing	No spacing
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	-5 dBuA/m @ 10m
Channel access and occupation rules	Duty cycle	10 %
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	Decision 2013/752/EU EN 302 536 ERC REC 70-03 Annex 12b	Band no.16
Remarks		
Notification number	2010/708/L	
Equipment class	Class 1	Refer to Sub-class 85 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Wireless applications in Healthcare

Parameter	Description		Comment
Frequency band	30 - 37.5 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Active medical implants ULP-MMI		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	1 mW e.r.p.	
Channel access and occupation rules	Duty cycle	<= 10 %	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	Decision 2013/752/EU EN 302 510 ERC REC 70-03 Annex 12d		Band no.34
Remarks			
Notification number	2010/708/L		
Equipment class	Class 1		Refer to Sub-class 82 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Wireless applications in Healthcare

Parameter	Description		Comment
Frequency band	12.5 - 20 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Active medical implants ULP-AID		
Channel / modulation	Channel spacing	No spacing	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	-7 dBuA/m @ 10m	
Channel access and occupation rules	Duty cycle	< 10 %	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Limited to indoor only applications.		
Planned changes			
Reference	2013/752/EU EN 300 330 ERC REC 70-03 Annex 12c		Band no.26
Remarks			
Notification number	2010/708/L		
Equipment class	Class 2		Refer to Sub-class H04 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

SRD

Wireless applications in Healthcare

Parameter	Description		Comment
Frequency band	2483.5 - 2500 MHz		Harmonised radio spectrum for use by short-range devices (2013/752/EU)
Radio Service	Mobile		
Application	Short Range Devices Active medical implants ULP-AMI		For Low Power Active Medical Implants and associated peripherals, covered by the applicable harmonised standard.
Channel / modulation	Channel spacing	1 MHz	Individual transmitters may combine adjacent channels on a dynamic basis for increased bandwidth higher than 1 MHz.
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	10 dBm e.i.r.p.	
Channel access and occupation rules	Duty cycle	LBT+AFA and < 10%	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption	Peripheral units are for indoor use only.		
Planned changes			
Reference	Decision 2013/752/EU EN 301 559 ERC REC 70-03 Annex 12e		Band no. 59
Remarks			
Notification number	2011/268/L		
Equipment class	Class 1 Class 2		Refer to Sub-class 117 (2000/299/EC) (no periph. master) Refer to Sub-class H09 (2000/299/EC) (periph. master)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting Satellite Service

Broadcasting-satellite receivers

Parameter	Description	Comment
Frequency band	11700 - 12500 MHz	
Radio Service	Broadcasting-Satellite	
Application	Broadcasting Broadcasting (satellite)	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	RR App 30; ERC DEC (00)08	
Planned changes		
Reference		
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Earth Stations on-board Vessels

Parameter	Description	Comment
Frequency band	3700 - 4200 MHz	
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>ESV</i>	<i>ESVs are not applicable on the Luxembourg territory as Luxembourg has no sea coast, nor is there any large inland lake on the Luxembourg territory.</i>
Channel / modulation	Channel spacing	<i>to be defined by the satellite network operator</i>
	Designation of emission	
	Modulation / Occupied bandwidth	<i>to be defined by the satellite network operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite network operator</i>
Direction / Separation	<i>to be defined by the satellite network operator</i>	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		<i>ESVs on bord ships that are registered in Luxembourg should comply to the requirements given from the Administration of the respective coastal State.</i>
Planned changes		
Reference	<i>EN 301 443; EN 301 447</i> <i>CEPT ECC DEC (05)09</i>	
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Fixed Satellite Service

Earth Stations on-board Vessels

Parameter	Description	Comment
Frequency band	5925 - 6425 MHz	
Radio Service	Fixed-Satellite (Earth-to-space)	
Application	Satellite systems (civil) FSS Earth stations ESV	ESVs are not applicable on the Luxembourg territory as Luxembourg has no sea coast, nor is there any large inland lake on the Luxembourg territory.
Channel / modulation	Channel spacing	to be defined by the satellite network operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite network operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite network operator
Direction / Separation	to be defined by the satellite network operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		ESVs on bord ships that are registered in Luxembourg should comply to the requirements given from the Administration of the respective coastal State.
Planned changes		
Reference	EN 301 443, EN 301 447 ECC DEC (05)09	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Fixed Satellite Service

Earth Stations on-board Vessels

Parameter	Description	Comment
Frequency band	10700 - 11700 MHz	
Radio Service	Fixed-Satellite (space-to-Earth)	
Application	Satellite systems (civil) FSS Earth stations ESV	ESVs are not applicable on the Luxembourg territory as Luxembourg has no sea coast, nor is there any large inland lake on the Luxembourg territory.
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Refer to subclass 12
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	RR App 30B	in the range of 10.7 - 10.95 GHz and 11.2 - 11.45 GHz
Planned changes		
Reference	EN 302 340 CEPT ECC DEC (05)10	
Remarks		
Notification number	2013/216/L	
Equipment class	Class 1	Refer to sub-class 12 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Fixed Satellite Service

Earth Stations on-board Vessels

Parameter	Description	Comment
Frequency band	12500 - 12750 MHz	
Radio Service	Fixed-Satellite (space-to-Earth)	
Application	Satellite systems (civil) FSS Earth stations ESV	ESVs are not applicable on the Luxembourg territory as Luxembourg has no sea coast, nor is there any large inland lake on the Luxembourg territory.
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Refer to subclass 12
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 340 CEPT ECC DEC (05)10	
Remarks		
Notification number	2013/216/L	
Equipment class	Class 1	Refer to sub-class 12 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Fixed Satellite Service

Earth Stations on-board Vessels

Parameter	Description	Comment
Frequency band	14000 - 14250 MHz	
Radio Service	Fixed-Satellite (Earth-to-space)	
Application	Satellite systems (civil) FSS Earth stations ESV	ESVs are not applicable on the Luxembourg territory as Luxembourg has no sea coast, nor is there any large inland lake on the Luxembourg territory.
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Refer to subclass 12
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 340 CEPT ECC DEC (05)10	
Remarks		
Notification number	2013/216/L	
Equipment class	Class 1	Refer to sub-class 12 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Fixed Satellite Service

Earth Stations on-board Vessels

Parameter	Description	Comment
Frequency band	14250 - 14500 MHz	
Radio Service	Fixed-Satellite (Earth-to-space)	
Application	Satellite systems (civil) FSS Earth stations ESV	ESVs are not applicable on the Luxembourg territory as Luxembourg has no sea coast, nor is there any large inland lake on the Luxembourg territory.
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 340 CEPT ECC DEC (05)10	
Remarks		
Notification number	2013/216/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	3400 - 3600 MHz	
Radio Service	Fixed-Satellite (space-to-Earth)	
Application	Satellite systems (civil) FSS Earth stations	
Channel / modulation	Channel spacing	defined during licencing procedure
	Designation of emission	defined during licencing procedure
	Modulation / Occupied bandwidth	defined during licencing procedure
	Reference frequency	defined during licencing procedure
Transmit power / Power density	Output power	defined during licencing procedure
	Antenna Gain	defined during licencing procedure
	Radiated power	defined during licencing procedure
Channel access and occupation rules	Duty cycle	defined during licencing procedure
	Access protocol	defined during licencing procedure
	Trans. capacity	defined during licencing procedure
Direction / Separation	defined during licencing procedure	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 443	
Remarks		
Notification number	2010/378/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	3600 - 4200 MHz	
Radio Service	Fixed-Satellite (space-to-Earth)	
Application	Satellite systems (civil) FSS Earth stations	
Channel / modulation	Channel spacing	to be defined be the satellite operator
	Designation of emission	to be defined be the satellite operator
	Modulation / Occupied bandwidth	to be defined be the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	defined during licensing procedure
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined be the satellite operator
Direction / Separation	to be defined be the satellite operator	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 443	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	5725 - 6700 MHz	
Radio Service	<i>Fixed-Satellite (Earth-to-space)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined be the satellite operator</i>
	Designation of emission	<i>to be defined be the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined be the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined be the satellite operator</i>
Direction / Separation	<i>to be defined be the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 443</i>	<i>in the range of 5850 - 6700 MHz</i>
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	6700 - 7075 MHz	
Radio Service	Fixed-Satellite (space-to-Earth) (Earth-to-space)	
Application	Satellite systems (civil) FSS Earth stations	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	defined during licensing procedure
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	RR App 30B	in the range of 6725 - 7075 MHz
Planned changes		
Reference	EN 301 443	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	7900 - 8400 MHz	
Radio Service	Fixed-Satellite (Earth-to-space)	
Application	Satellite systems (civil) FSS Earth stations	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	defined during licensing procedure
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference		
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	10700 - 11700 MHz	
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Exempt from individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>RR app 30B; ERC DEC (00)08</i>	<i>RR App 30B: In the range of 10.7 - 10.95 GHz and 11.20 - 11.45 GHz</i>
Planned changes		
Reference		
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	12500 - 12750 MHz	
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Exempt from individual licensing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference		
Remarks		
Notification number	2007/351/L	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	12750 - 13250 MHz	
Radio Service	<i>Fixed-Satellite (Earth-to-space)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>RR App 30B</i>	
Planned changes		
Reference		
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	13750 - 14500 MHz	
Radio Service	<i>Fixed-Satellite (Earth-to-space)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference		
Remarks		
Notification number	2007/351/L	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	17700 - 18100 MHz	
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>ERC DEC (00)07</i>	
Planned changes		
Reference		
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	18100 - 18400 MHz	
Radio Service	<i>Fixed-Satellite (space-to-Earth) (Earth-to-space)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>ERC DEC (00)07</i>	
Planned changes		
Reference		
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	18400 - 19700 MHz	
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>ERC DEC (00)07</i>	
Planned changes		
Reference		
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	19700 - 20200 MHz	
Radio Service	Fixed-Satellite (space-to-Earth)	
Application	Satellite systems (civil) FSS Earth stations	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	defined during licensing procedure
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference		
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	27500 - 29500 MHz	
Radio Service	<i>Fixed-Satellite (Earth-to-space)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>ECC DEC (05)01</i>	
Planned changes		
Reference		
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	29500 - 30000 MHz	
Radio Service	<i>Fixed-Satellite (Earth-to-space)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference		
Remarks		
Notification number	2007/351/L	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

FSS Earth stations

Parameter	Description	Comment
Frequency band	37500 - 40500 MHz	
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption	<i>ERC DEC (00)02</i>	
Planned changes		
Reference		
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

HEST

Parameter	Description	Comment
	10700 - 12750 MHz	
	Fixed-Satellite (space-to-Earth)	
	Satellite systems (civil) FSS Earth stations HEST	For SIT reception. For VSAT use in the range of 12.5-12.75 GHz.
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	$34 \text{ dBW} < \text{EIRP} \leq 60 \text{ dBW}$ When an antenna is coupled to more than one transmitter or a transmitter provides more than one carrier (multi-carrier operation), the EIRP level is the sum of all simultaneous emissions from the antenna on the main lobe.
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	In case of a higher level than above indicated radiated power a notification to NRA should be done and an individual license should be required.
Add. essential requirements		
Freq. planning assumption	CEPT ECC DEC (06)03	
Planned changes		
Reference	EN 391 428; EN 301 459	
Remarks	Coupled with 29.5-30 GHz	For VSAT use 12.5-12.75 GHz is also coupled with 14-14.25 GHz.
Notification number	2011/547/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

HEST

Parameter	Description	Comment
	14000 - 14250 MHz	
	Fixed-Satellite (Earth-to-space)	
	Satellite systems (civil) FSS Earth stations HEST	For VSAT transmission.
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	34 dBW < EIRP ≤ 60 dBW When an antenna is coupled to more than one transmitter or a transmitter provides more than one carrier (multi-carrier operation), the EIRP level is the sum of all simultaneous emissions from the antenna on the main lobe.
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	In case of a higher level than above indicated radiated power a notification to NRA should be done and an individual license should be required.
Add. essential requirements		
Freq. planning assumption	CEPT ECC DEC (06)03	
Planned changes		
Reference	EN 301 428	
Remarks	Coupled with 12.5-12.75 GHz	
Notification number	2011/547/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

HEST

Parameter	Description	Comment
	19700 - 20200 MHz	
	Fixed-Satellite (space-to-Earth)	
	Satellite systems (civil) FSS Earth stations HEST	For SUT reception.
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	$34 \text{ dBW} < \text{EIRP} \leq 60 \text{ dBW}$ When an antenna is coupled to more than one transmitter or a transmitter provides more than one carrier (multi-carrier operation), the EIRP level is the sum of all simultaneous emissions from the antenna on the main lobe.
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	In case of a higher level than above indicated radiated power a notification to NRA should be done and an individual license should be required.
Add. essential requirements		
Freq. planning assumption	CEPT ECC DEC (06)03	
Planned changes		
Reference	EN 301 459	
Remarks	Coupled with 29.5-30 GHz	
Notification number	2011/547/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

HEST

Parameter	Description	Comment
	29500 - 30000 MHz	
	<i>Fixed-Satellite (Earth-to-space)</i>	
	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>HEST</i>	<i>For SIT/SUT transmissions.</i>
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	$34 \text{ dBW} < \text{EIRP} \leq 60 \text{ dBW}$ <i>When an antenna is coupled to more than one transmitter or a transmitter provides more than one carrier (multi-carrier operation), the EIRP level is the sum of all simultaneous emissions from the antenna on the main lobe.</i>
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Exempt from individual licensing.</i>	<i>In case of a higher level than above indicated radiated power a notification to NRA should be done and an individual license should be required.</i>
Add. essential requirements		
Freq. planning assumption	<i>CEPT ECC DEC (06)03</i>	
Planned changes		
Reference	<i>EN 301 459</i>	
Remarks	<i>Coupled with 10.7-12.75 GHz and 19.7-20.2 GHz</i>	
Notification number	<i>2011/547/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

LEST

Parameter	Description	Comment
	10700 - 12750 MHz	
	Fixed-Satellite (space-to-Earth)	
	Satellite systems (civil) FSS Earth stations LEST	For SIT reception. For VSAT reception in band of 12.5-12.75 GHz
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	Max. 34 dBW EIRP
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption	CEPT ECC DEC (06)02	
Planned changes		
Reference	EN 301 428; EN 301 459	
Remarks	Coupled with 29.5-30 GHz	12.5-12.75 GHz also coupled with 14-14.25 GHz.
Notification number	2011/547/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

LEST

Parameter	Description	Comment
	14000 - 14250 MHz	
	Fixed-Satellite (Earth-to-space)	
	Satellite systems (civil) FSS Earth stations LEST	For VSAT transmission.
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	Max. 34 dBW EIRP
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption	CEPT ECC DEC (06)02	
Planned changes		
Reference	EN 301 428	
Remarks	Coupled with 12.5-12.75 GHz	
Notification number	2011/547/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

LEST

Parameter	Description	Comment
	19700 - 20200 MHz	
	Fixed-Satellite (space-to-Earth)	
	Satellite systems (civil) FSS Earth stations LEST	For SUT reception.
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	Max. 34 dBW EIRP
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption	CEPT ECC DEC (06)02	
Planned changes		
Reference	EN 301 459	
Remarks	Coupled with 29.5-30 GHz	
Notification number	2011/547/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

LEST

Parameter	Description	Comment
	29500 - 30000 MHz	
	<i>Fixed-Satellite (Earth-to-space)</i>	
	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>LEST</i>	<i>For SIT/SUT transmission.</i>
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	<i>Max. 34 dBW EIRP</i>
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Exempt from individual licensing.</i>	
Add. essential requirements		
Freq. planning assumption	<i>CEPT ECC DEC (06)02</i>	
Planned changes		
Reference	<i>EN 301 459</i>	
Remarks	<i>Coupled with 10.7-12.75 GHz and 19.7-20.2 GHz</i>	
Notification number	<i>2011/547/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Earth Stations On Mobile Platforms (ESOMPs) operating with GSO FSS satellite systems

Parameter	Description	Comment
	17300 - 20200 MHz	
	Fixed-Satellite (space-to-Earth)	
	Satellite systems (civil) FSS Earth stations GSO ESOMPs	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	Defined by the satellite network operator
	Output power Antenna Gain Radiated power	The maximum e.i.r.p. of ESOMP equipment shall be limited to a value within the range from 55-60 dBW as specified in Annex 1 of ECC DEC (13)01
	Duty cycle Access protocol Trans. capacity	Defined by the satellite network operator
Direction / Separation		
Authorisation regime	Exempted from individual licensing	
Add. essential requirements	None	
Freq. planning assumption		Additional technical and operational requirements are described in ECC Decision (13)01 for ESOMP in general, ESOMPs installed onboard an aircraft and ESOMPs installed onboard vessels for the protection of other authorised users in the operating frequency band.
Planned changes		
Reference	EN 303 978 ECC DEC (13)01	
Remarks		
Notification number	2013/216/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Earth Stations On Mobile Platforms (ESOMPs) operating with GSO FSS satellite systems

Parameter	Description	Comment
	27500 - 27828.5 MHz	
	<i>Fixed-Satellite (Earth-to-space)</i>	
	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>GSO ESOMPs</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	<i>Defined by the satellite network operator</i>
	Output power Antenna Gain Radiated power	<i>55-60 dBW</i> <i>The maximum e.i.r.p. of ESOMP equipment shall be limited to a value within the range from 55-60 dBW as specified in Annex 1 of ECC DEC (13)01</i>
	Duty cycle Access protocol Trans. capacity	<i>Defined by the satellite network operator</i>
Direction / Separation		
Authorisation regime	<i>Exempted from individual licensing</i>	
Add. essential requirements	<i>None</i>	
Freq. planning assumption		<i>Additional technical and operational requirements are described in ECC Decision (13)01 for ESOMP in general, ESOMPs installed onboard an aircraft and ESOMPs installed onboard vessels for the protection of other authorised users in the operating frequency band.</i>
Planned changes		
Reference	<i>EN 303 978</i> <i>ECC DEC (13)01</i>	
Remarks		
Notification number	<i>2013/216/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Earth Stations On Mobile Platforms (ESOMPs) operating with GSO FSS satellite systems

Parameter	Description	Comment
	28444.5 - 28948.5 MHz	
	<i>Fixed-Satellite (Earth-to-space)</i>	
	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>GSO ESOMPs</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	<i>Defined by the satellite network operator</i>
	Output power Antenna Gain Radiated power	<i>55-60 dBW</i> <i>The maximum e.i.r.p. of ESOMP equipment shall be limited to a value within the range from 55-60 dBW as specified in Annex 1 of ECC DEC (13)01</i>
	Duty cycle Access protocol Trans. capacity	<i>Defined by the satellite network operator</i>
Direction / Separation		
Authorisation regime	<i>Exempted from individual licensing</i>	
Add. essential requirements	<i>None</i>	
Freq. planning assumption		<i>Additional technical and operational requirements are described in ECC Decision (13)01 for ESOMP in general, ESOMPs installed onboard an aircraft and ESOMPs installed onboard vessels for the protection of other authorised users in the operating frequency band.</i>
Planned changes		
Reference	<i>EN 303 978</i> <i>ECC DEC (13)01</i>	
Remarks		
Notification number	<i>2013/216/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Earth Stations On Mobile Platforms (ESOMPs) operating with GSO FSS satellite systems

Parameter	Description	Comment								
	29452.5 - 30000 MHz									
	Fixed-Satellite (Earth-to-space)									
	Satellite systems (civil) FSS Earth stations GSO ESOMPs									
	<table border="1"> <tr> <td>Channel spacing</td> <td></td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing		Designation of emission		Modulation / Occupied bandwidth		Reference frequency		Defined by the satellite network operator
Channel spacing										
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
	<table border="1"> <tr> <td>Output power</td> <td>55-60 dBW</td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	55-60 dBW	Antenna Gain		Radiated power		The maximum e.i.r.p. of ESOMP equipment shall be limited to a value within the range from 55-60 dBW as specified in Annex 1 of ECC DEC (13)01		
Output power	55-60 dBW									
Antenna Gain										
Radiated power										
	<table border="1"> <tr> <td>Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity		Defined by the satellite network operator		
Duty cycle										
Access protocol										
Trans. capacity										
Direction / Separation										
Authorisation regime	Exempted from individual licensing									
Add. essential requirements	None									
Freq. planning assumption		Additional technical and operational requirements are described in ECC Decision (13)01 for ESOMP in general, ESOMPs installed onboard an aircraft and ESOMPs installed onboard vessels for the protection of other authorised users in the operating frequency band.								
Planned changes										
Reference	EN 303 978 ECC Decision (13)01									
Remarks										
Notification number	2013/216/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Earth Stations On Mobile Platforms (ESOMPs) operating with NGSO FSS satellite systems

Parameter	Description	Comment
	17300 - 20200 MHz	17.3 - 19.7 GHz and 19.7 - 20.2 GHz
	Fixed-Satellite (space-to-Earth)	
	Satellite systems (civil) FSS Earth stations NGSO ESOMPs	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	Defined by the satellite network operator
	Output power Antenna Gain Radiated power	Technical and operational requirements according to ECC DEC (15)04
	Duty cycle Access protocol Trans. capacity	Defined by the satellite network operator
Direction / Separation		
Authorisation regime	Exempted from individual licensing	
Add. essential requirements		
Freq. planning assumption	Additional technical and operational requirements according to ECC DEC (15)04	
Planned changes		
Reference	EN 303 979 ECC DEC (15)04	
Remarks	17.3–19.7 GHz / 27.5–27.8285 GHz and 28.4445–28.8365 GHz; 19.7-20.2 GHz / with 29.5-30.0 GHz	
Notification number	2016/7/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Earth Stations On Mobile Platforms (ESOMPs) operating with NGSO FSS satellite systems

Parameter	Description	Comment
	27500 - 27828.5 MHz	
	<i>Fixed-Satellite (Earth-to-space)</i>	
	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>NGSO ESOMPs</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	<i>Defined by the satellite network operator</i>
	Output power Antenna Gain Radiated power	<i>Technical and operational requirements according to ECC DEC (15)04</i>
	Duty cycle Access protocol Trans. capacity	<i>Defined by the satellite network operator</i>
Direction / Separation		
Authorisation regime	<i>Exempted from individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>Additional technical and operational requirements according to ECC DEC (15)04</i>	
Planned changes		
Reference	<i>EN 303 979</i> <i>ECC DEC (15)04</i>	
Remarks	<i>Coupled with 17.3 – 19.7 GHz</i>	
Notification number	<i>2016/7/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Earth Stations On Mobile Platforms (ESOMPs) operating with NGSO FSS satellite systems

Parameter	Description	Comment
	28444.5 - 28836.5 MHz	
	<i>Fixed-Satellite (Earth-to-space)</i>	
	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>NGSO ESOMPs</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	<i>Defined by the satellite network operator</i>
	Output power Antenna Gain Radiated power	<i>Technical and operational requirements according to ECC DEC (15)04</i>
	Duty cycle Access protocol Trans. capacity	<i>Defined by the satellite network operator</i>
Direction / Separation		
Authorisation regime	<i>Exempted from individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>Additional technical and operational requirements according to ECC DEC (15)45</i>	
Planned changes		
Reference	<i>EN 303 979</i> <i>ECC DEC (15)04</i>	
Remarks	<i>Coupled with 17.3 – 19.7 GHz</i>	
Notification number	<i>2016/7/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Earth Stations On Mobile Platforms (ESOMPs) operating with NGSO FSS satellite systems

Parameter	Description	Comment
	29500 - 30000 MHz	
	<i>Fixed-Satellite (Earth-to-space)</i>	
	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>NGSO ESOMPs</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	<i>Defined by the satellite network operator</i>
	Output power Antenna Gain Radiated power	<i>Technical and operational requirements according to ECC DEC (15)04</i>
	Duty cycle Access protocol Trans. capacity	<i>Defined by the satellite network operator</i>
Direction / Separation		
Authorisation regime	<i>Exempted from individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>Additional technical and operational requirements according to ECC DEC (15)04</i>	
Planned changes		
Reference	<i>EN 303 979</i> <i>ECC DEC (15)04</i>	
Remarks	<i>Coupled with 19.7 – 20.2 GHz</i>	
Notification number	<i>2016/7/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Feeder links

Parameter	Description	Comment
Frequency band	17300 - 18100 MHz	
Radio Service	<i>Fixed-Satellite (Earth-to-space)</i>	
Application	<i>Satellite systems (civil)</i> <i>Feeder links</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>RR App 30A</i>	
Planned changes		
Reference		
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

Feeder links

Parameter	Description	Comment
Frequency band	27500 - 29500 MHz	
Radio Service	<i>Fixed-Satellite (Earth-to-space)</i>	
Application	<i>Satellite systems (civil)</i> <i>Feeder links</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference		
Remarks		
Notification number	2007/351/L	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

HDFSS

Parameter	Description	Comment								
Frequency band	17300 - 17700 MHz									
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>									
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td><i>to be defined by the satellite operator</i></td> </tr> <tr> <td>Designation of emission</td> <td><i>to be defined by the satellite operator</i></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td><i>to be defined by the satellite operator</i></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	<i>to be defined by the satellite operator</i>	Designation of emission	<i>to be defined by the satellite operator</i>	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>	Reference frequency		
Channel spacing	<i>to be defined by the satellite operator</i>									
Designation of emission	<i>to be defined by the satellite operator</i>									
Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td><i>defined during licensing procedure</i></td> </tr> <tr> <td>Radiated power</td> <td><i>Not defined</i></td> </tr> </table>	Output power		Antenna Gain	<i>defined during licensing procedure</i>	Radiated power	<i>Not defined</i>			
Output power										
Antenna Gain	<i>defined during licensing procedure</i>									
Radiated power	<i>Not defined</i>									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td><i>to be defined by the satellite operator</i></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	<i>to be defined by the satellite operator</i>			
Duty cycle										
Access protocol										
Trans. capacity	<i>to be defined by the satellite operator</i>									
Direction / Separation	<i>to be defined by the satellite operator</i>									
Authorisation regime	<i>Individual licensing</i>									
Add. essential requirements										
Freq. planning assumption	<i>ECC DEC (05)08</i>									
Planned changes										
Reference										
Remarks										
Notification number	2007/351/L									
Equipment class	<i>Class 2</i>									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

HDFSS

Parameter	Description	Comment								
Frequency band	19700 - 20200 MHz									
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>									
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td><i>to be defined by the satellite operator</i></td> </tr> <tr> <td>Designation of emission</td> <td><i>to be defined by the satellite operator</i></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td><i>to be defined by the satellite operator</i></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	<i>to be defined by the satellite operator</i>	Designation of emission	<i>to be defined by the satellite operator</i>	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>	Reference frequency		
Channel spacing	<i>to be defined by the satellite operator</i>									
Designation of emission	<i>to be defined by the satellite operator</i>									
Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td><i>defined during licensing procedure</i></td> </tr> <tr> <td>Radiated power</td> <td><i>Not defined</i></td> </tr> </table>	Output power		Antenna Gain	<i>defined during licensing procedure</i>	Radiated power	<i>Not defined</i>			
Output power										
Antenna Gain	<i>defined during licensing procedure</i>									
Radiated power	<i>Not defined</i>									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td><i>to be defined by the satellite operator</i></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	<i>to be defined by the satellite operator</i>			
Duty cycle										
Access protocol										
Trans. capacity	<i>to be defined by the satellite operator</i>									
Direction / Separation	<i>to be defined by the satellite operator</i>									
Authorisation regime	<i>Individual licensing</i>									
Add. essential requirements										
Freq. planning assumption	<i>ECC DEC (05)08</i>									
Planned changes										
Reference										
Remarks										
Notification number	2007/351/L									
Equipment class	<i>Class 2</i>									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

HDFSS

Parameter	Description	Comment
Frequency band	29500 - 30000 MHz	
Radio Service	<i>Fixed-Satellite (Earth-to-space)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>ECC DEC (05)08</i>	
Planned changes		
Reference		
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

HDFSS

Parameter	Description	Comment
Frequency band	47500 - 47900 MHz	
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i> ----- -----	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> ----- -----	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>to be defined by the satellite operator</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>ECC DEC (05)08</i>	
Planned changes		
Reference		
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

HDFSS

Parameter	Description	Comment								
Frequency band	48200 - 48540 MHz									
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>									
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td><i>to be defined by the satellite operator</i></td> </tr> <tr> <td>Designation of emission</td> <td><i>to be defined by the satellite operator</i></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td><i>to be defined by the satellite operator</i></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	<i>to be defined by the satellite operator</i>	Designation of emission	<i>to be defined by the satellite operator</i>	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>	Reference frequency		
Channel spacing	<i>to be defined by the satellite operator</i>									
Designation of emission	<i>to be defined by the satellite operator</i>									
Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td><i>defined during licensing procedure</i></td> </tr> <tr> <td>Radiated power</td> <td><i>Note defined</i></td> </tr> </table>	Output power		Antenna Gain	<i>defined during licensing procedure</i>	Radiated power	<i>Note defined</i>			
Output power										
Antenna Gain	<i>defined during licensing procedure</i>									
Radiated power	<i>Note defined</i>									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td><i>to be defined by the satellite operator</i></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	<i>to be defined by the satellite operator</i>			
Duty cycle										
Access protocol										
Trans. capacity	<i>to be defined by the satellite operator</i>									
Direction / Separation	<i>to be defined by the satellite operator</i>									
Authorisation regime	<i>Individual licensing</i>									
Add. essential requirements										
Freq. planning assumption	<i>ECC DEC (05)08</i>									
Planned changes										
Reference										
Remarks										
Notification number	2007/351/L									
Equipment class	<i>Class 2</i>									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

HDFSS

Parameter	Description	Comment
Frequency band	49440 - 50200 MHz	
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>ECC DEC (05)08</i>	
Planned changes		
Reference		
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

SIT/SUT

Parameter	Description	Comment
	10700 - 12750 MHz	
	<i>Fixed-Satellite (space-to-Earth)</i>	
	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>SIT/SUT</i>	<i>For SIT reception.</i>
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	<i>Not defined</i>
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>An individual license is required.</i>	
Add. essential requirements		
Freq. planning assumption	<i>Appendix 30B of the Radio Regulations; CEPT ERC DEC (00)08</i>	<i>Appendix 30B of the Radio Regulations in the range of 10.7-10.95 GHz and 11.2-11.45 GHz. CEPT ERC DEC (00)08 in the range of 10.7-12.5 GHz.</i>
Planned changes		
Reference	<i>EN 301 360</i>	
Remarks	<i>Coupled with 27.5-29.5 GHz.</i>	
Notification number	<i>2011/548/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

SIT/SUT

Parameter	Description	Comment
	17700 - 19700 MHz	
	<i>Fixed-Satellite (space-to-Earth)</i>	
	<i>Satellite systems (civil)</i>	
	<i>FSS Earth stations</i>	<i>For SUT reception</i>
	<i>SIT/SUT</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	<i>Not defined</i>
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>An individual license is required.</i>	
Add. essential requirements		
Freq. planning assumption	<i>CEPT ERC DEC (00)07</i>	
Planned changes		
Reference	<i>EN 301 360; EN 301 459</i>	
Remarks	<i>Coupled with 27.5-29.5 GHz and 29.5-30.0 GHz</i>	
Notification number	<i>2011/548/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

SIT/SUT

Parameter	Description	Comment
	19700 - 20200 MHz	
	Fixed-Satellite (space-to-Earth)	
	Satellite systems (civil)	
	FSS Earth stations	For SUT reception.
	SIT/SUT	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	Not defined
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	An individual license is required.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 360	
Remarks	Coupled with 27.5-29.5 GHz	
Notification number	2011/548/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

SIT/SUT

Parameter	Description	Comment
	27500 - 29500 MHz	
	<i>Fixed-Satellite (Earth-to-space)</i>	
	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>SIT/SUT</i>	<i>For SIT/SUT transmission</i>
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>An individual license is required.</i>	
Add. essential requirements		
Freq. planning assumption	<i>CEPT ECC DEC (05)01</i>	
Planned changes		
Reference	<i>EN 301 360</i>	
Remarks	<i>Coupled with 10.7-12.75 GHz; 17.7-20.2 GHz and 21.40-22.00 GHz.</i>	
Notification number	<i>2011/548/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Fixed Satellite Service

SIT/SUT

Parameter	Description	Comment
	29500 - 30000 MHz	
	<i>Fixed-Satellite (space-to-Earth)</i>	
	<i>Satellite systems (civil)</i>	
	<i>FSS Earth stations</i>	<i>For SIT/SUT transmissions</i>
	<i>SIT/SUT</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	<i>defined during licensing procedure</i>
	Radiated power	<i>Not defined</i>
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>An individual license is required.</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 459</i>	
Remarks	<i>Coupled with 17.70-19.70 GHz and 21.40-22.00 GHz</i>	
Notification number	<i>2011/548/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

SNG

Parameter	Description	Comment
Frequency band	10700 - 11700 MHz	
Radio Service	<i>Fixed-Satellite (space-to-Earth)</i>	
Application	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>SNG</i>	
Channel / modulation	Channel spacing	<i>to be defined by the satellite operator</i>
	Designation of emission	<i>to be defined by the satellite operator</i>
	Modulation / Occupied bandwidth	<i>to be defined by the satellite operator</i>
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	<i>Not defined</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	<i>to be defined by the satellite operator</i>
Direction / Separation	<i>to be defined by the satellite operator</i>	
Authorisation regime	<i>Exempt from individual licensing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 430</i>	
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

SNG

Parameter	Description	Comment
Frequency band	14000 - 14500 MHz	
Radio Service	Fixed-Satellite (Earth-to-space)	
Application	Satellite systems (civil) FSS Earth stations SNG	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 430	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

SNG

Parameter	Description	Comment
Frequency band	12500 - 12750 MHz	
Radio Service	Fixed-Satellite (space-to-Earth)	
Application	Satellite systems (civil) FSS Earth stations SNG	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 340	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

VSAT

Parameter	Description	Comment
	10700 - 11700 MHz	
	<i>Fixed-Satellite (space-to-Earth)</i>	
	<i>Satellite systems (civil)</i> <i>FSS Earth stations</i> <i>VSAT</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	<i>Max. 2W</i>
	Antenna Gain	
	Radiated power	<i>Max. EIRP: 50 dBW</i>
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>A notification to the NRA is required.</i>	
Add. essential requirements		
Freq. planning assumption	<i>Appendix 30B of the Radio Regulations: CEPT ECC DEC (03)04</i>	<i>Appendix 30B of the Radio Regulations n the range of 10.7 - 10.95 GHz and 11.2 - 11.45 GHz</i>
Planned changes		
Reference	<i>EN 301 428</i>	
Remarks	<i>Coupled with 14.25-14.5 GHz</i>	
Notification number	<i>2011/548/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Fixed Satellite Service

VSAT

Parameter	Description	Comment
	14250 - 14500 MHz	
	Fixed-Satellite (Earth-to-space)	
	Satellite systems (civil) FSS Earth stations VSAT	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	Max. 2W
	Antenna Gain	
	Radiated power	Max eirp: 50 dBW
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	A notification to the NRA is required.	
Add. essential requirements		
Freq. planning assumption	CEPT ECC DEC (03)04	
Planned changes		
Reference	EN 301 428	
Remarks	Coupled with 10.7-11.7 GHz	
Notification number	2011/548/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description		Comment
Frequency band	137 - 138 MHz		
Radio Service	Mobile-Satellite (space-to-Earth)		
Application	Satellite systems (civil) MSS Earth stations S-PCS		
Channel / modulation	Channel spacing		Maximum burst length duration on S-PCS terminal transmission: 500 msec.
	Designation of emission	Narrow band Frequency or Phase modulation	
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		
	Radiated power	Max. Spectrum density of EIRP: 10dBW/4kHz	
Channel access and occupation rules	Duty cycle	1% in any 15 minutes period from any single channel.	Consecutive transmissions from a single earth station on the same frequency shall be separated by at least 15 seconds.
	Access protocol	FDMA	
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing.		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	CEPT ERC DEC (99)05; CEPT ERC DEC (99)06 EN 301 721		
Remarks	Coupled with 148-150.05 MHz		
Notification number	2011/548/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description		Comment
Frequency band	148 - 150.05 MHz		
Radio Service	Mobile-Satellite (Earth-to-space)		
Application	Satellite systems (civil) MSS Earth stations S-PCS		
Channel / modulation	Channel spacing		
	Designation of emission	Narrow band Frequency or Phase modulation	
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power		Maximum burst length duration on S-PCS terminal transmission: 500 msec.
	Antenna Gain		
	Radiated power	Max. Spectrum density of EIRP: 10dBW/4kHz	
Channel access and occupation rules	Duty cycle	1% in any 15 minutes period from any single channel.	Consecutive transmissions from a single earth station on the same frequency shall be separated by at least 15 seconds.
	Access protocol	FDMA	
	Trans. capacity		
Direction / Separation			
Authorisation regime	Exempt from individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	CEPT ERC DEC (99)05; CEPT ERC DEC (99)06 EN 301 721		
Remarks	Coupled with 137-138 MHz		
Notification number	2011/548/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1518 - 1525 MHz	
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	defined during licensing procedure
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC DEC (04)09; CEPT ECC DEC (12)01 EN 301 444; EN 301 473; EN 301 681	
Remarks	Coupled with 1670-1675 MHz	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1670 - 1675 MHz	
Radio Service	Mobile-Satellite (Earth-to-space) ----- Land Mobile-Satellite (Earth-to-space) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	defined during licensing procedure
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC DEC (04)09; CEPT ECC DEC (12)01 EN 301 444; EN 301 473; EN 301 681	
Remarks	Coupled with 1518-1525 MHz	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1525 - 1544 MHz	
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	Provide voice and/or data communications
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	148 dBpW for angle < 40 degrees ;
	Antenna Gain	177 - 25 log f dBpW for 40 degrees < f < 75 degrees ;
	Radiated power	130 dBpW for angle > 75 degrees ; angle: between the main beam axis and the direction considered
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CEPT ECC DEC (12)01; CEPT ERC DEC (95)01 EN 301 444, EN 301 681	
Remarks	Coupled with 1631.5-1634.5 MHz	
Notification number	2013/32/L	
Equipment class	Class 1	Refer to sub-class 11 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1631.5 - 1634.5 MHz	
Radio Service	Mobile-Satellite (Earth-to-space) ----- Land Mobile-Satellite (Earth-to-space) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	Provide voice and/or data communications
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	148 dBpW for angle < 40 degrees ;
	Antenna Gain	177 - 25 log f dBpW for 40 degrees < f < 75 degrees ;
	Radiated power	130 dBpW for angle > 75 degrees ; angle: between the main beam axis and the direction considered
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC/DEC/(12)01 EN 301 444, EN 301 681	
Remarks	Coupled with 1525-1544 MHz	
Notification number	2013/32/L	
Equipment class	Class 1	Refer to sub-class 11 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1555 - 1559 MHz	
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	Provide voice and/or data communications
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	148 dBpW for angle < 40 degrees ;
	Antenna Gain	177 - 25 log f dBpW for 40 degrees < f < 75 degrees ;
	Radiated power	130 dBpW for angle > 75 degrees ; angle: between the main beam axis and the direction considered
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC/DEC/(12)01 EN 301 444, EN 301 681	
Remarks	Coupled with 1656.5-1660.5 MHz	
Notification number	2013/32/L	
Equipment class	Class 1	Refer to sub-class 11 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1656.5 - 1660.5 MHz	
Radio Service	Mobile-Satellite (Earth-to-space) Land Mobile-Satellite (Earth-to-space)	
Application	Satellite systems (civil) MSS Earth stations	Provide voice and/or data communications
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	148 dBpW for angle < 40 degrees ;
	Antenna Gain	177 - 25 log f dBpW for 40 degrees < f < 75 degrees ;
	Radiated power	130 dBpW for angle > 75 degrees ; angle: between the main beam axis and the direction considered
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC/DEC/(12)01 EN 301 444, EN 301 681	
Remarks	Coupled with 1555-1559 MHz	
Notification number	2013/32/L	
Equipment class	Class 1	Refer to sub-class 11 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1525 - 1544 MHz	
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth) -----	
Application	Satellite systems (civil) ----- MSS Earth stations	Low data rate LMES applications
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	to be defined by the satellite operator
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CEPT ECC DEC (12)01; CEPT ERC DEC (95)01 EN 301 426	
Remarks	Coupled with 1626.5-1645.5 MHz	
Notification number	2007/351/L	
Equipment class	Class 1	Refer to sub-class 16 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1626.5 - 1645.5 MHz	
Radio Service	Mobile-Satellite (Earth-to-space) ----- Land Mobile-Satellite (Earth-to-space) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	Low data rate LMES applications
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	to be defined by the satellite operator
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CEPT ECC DEC (12)01 EN 301 426	
Remarks	Coupled with 1525-1544 MHz	
Notification number	2007/351/L	
Equipment class	Class 1	Refer to sub-class 16 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1555 - 1559 MHz	
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth) -----	
Application	Satellite systems (civil) ----- MSS Earth stations	Low data rate LMES applications
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	to be defined by the satellite operator
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CEPT ECC DEC (12)01 EN 301 426	
Remarks	Coupled with 1656.5-1660.5 MHz	
Notification number	2007/351/L	
Equipment class	Class 1	Refer to sub-class 16 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1656.5 - 1660.5 MHz	
Radio Service	Mobile-Satellite (Earth-to-space) ----- Land Mobile-Satellite (Earth-to-space) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	Low data rate LMES applications
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	to be defined by the satellite operator
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC DEC (12)01 EN 301 426	
Remarks	Coupled with 1555-1559 MHz	
Notification number	2007/351/L	
Equipment class	Class 1	Refer to sub-class 16 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1525 - 1544 MHz	
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	Mobile Earth stations (MESs) of Geostationary mobile satellite systems, including handheld earth stations for Satellite Personal Communications Networks (S-PCN)
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CEPT ECC DEC (12)01; CEPT ERC DEC (95)01 EN 301 681	
Remarks	Coupled with 1626.5-1645.5 MHz	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1626.5 - 1645.5 MHz	
Radio Service	Mobile-Satellite (Earth-to-space) ----- Land Mobile-Satellite (Earth-to-space) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	Mobile Earth stations (MESs) of Geostationary mobile satellite systems, including handheld earth stations for Satellite Personal Communications Networks (S-PCN)
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC DEC (12)01 EN 301 681	
Remarks	Coupled with 1525-1544 MHz	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1545 - 1559 MHz	
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	Mobile Earth stations (MESs) of Geostationary mobile satellite systems, including handheld earth stations for Satellite Personal Communications Networks (S-PCN)
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC DEC (12)01 EN 301 681	
Remarks	Coupled with 1646.5-1660.5 MHz	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1646.5 - 1660.5 MHz	
Radio Service	Mobile-Satellite (Earth-to-space) ----- Land Mobile-Satellite (Earth-to-space) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	Mobile Earth stations (MESs) of Geostationary mobile satellite systems, including handheld earth stations for Satellite Personal Communications Networks (S-PCN)
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC DEC (12)01 EN 301 681	
Remarks	Coupled with 1545-1559 MHz	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1610 - 1613.5 MHz	
Radio Service	Mobile-Satellite (Earth-to-space) ----- Land Mobile-Satellite (Earth-to-space) -----	
Application	Satellite systems (civil) ----- MSS Earth stations ----- S-PCS	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	to be defined by the satellite operator
	Antenna Gain	
	Radiated power	-3 dB (W/4 kHz) (mean limit) -15 dB (W/4 kHz) (peak limit) <i>In this context, the mean is the mean over time whilst the MES is in the carrier-on mode</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC/DEC/(12)01; CEPT ECC DEC (09)02 EN 301 441, EN 301 473	
Remarks	Coupled with 1613.8-2500 MHz	
Notification number	2013/32/L	
Equipment class	Class 1	Refer to sub-class 14 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1613.8 - 2500 MHz	1613.8 - 1626.5 MHz & 2483.5 - 2500 MHz
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth) -----	
Application	Satellite systems (civil) ----- MSS Earth stations ----- S-PCS	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	to be defined by the satellite operator
	Antenna Gain	
	Radiated power	-3 dB (W/4 kHz) (mean limit) -15 dB (W/4 kHz) (peak limit) <i>In this context, the mean is the mean over time whilst the MES is in the carrier-on mode</i>
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC/DEC/(12)01; CEPT ECC DEC (09)02 EN 301 441, EN 301 473	
Remarks	Coupled with 1610-1613.5 MHz	
Notification number	2013/32/L	
Equipment class	Class 1	Refer to sub-class 14 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	1980 - 2010 MHz	Harmonised use of radio spectrum in the 2 GHz frequency bands for the implementation of systems providing mobile satellite services (2007/98/EC)
Radio Service	Mobile-Satellite (Earth-to-space) ----- Land Mobile-Satellite (Earth-to-space)	
Application	Satellite systems (civil) ----- MSS Earth stations ----- S-PCS	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	to be defined by the satellite operator
	Antenna Gain	
	Radiated power	to be defined by the satellite operator
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CEPT ECC DEC (12)01; Commission Decision 2007/98/EC; 2008/626/CE; 2009/449/CE; 2011/667/UE	EN301442, EN301473, EN302574;
Remarks	Coupled with 2170-2200 MHz	
Notification number	2013/32/L	
Equipment class	Class 1	Refer to sub-class 15 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	2170 - 2200 MHz	Harmonised use of radio spectrum in the 2 GHz frequency bands for the implementation of systems providing mobile satellite services (2007/98/EC)
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth)	
Application	Satellite systems (civil) ----- MSS Earth stations ----- S-PCS	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	to be defined by the satellite operator
	Antenna Gain	
	Radiated power	to be defined by the satellite operator
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CEPT ECC DEC (12)01 Commission Decision 2007/98/EC; 2008/626/CE; 2009/449/CE; 2011/667/UE	EN301442, EN301473, EN302574;
Remarks	Coupled with 1980-2010 MHz	
Notification number	2013/32/L	
Equipment class	Class 1	Refer to sub-class 15 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	10700 - 12750 MHz	10.7 - 11.7 GHz & 12.5 - 12.75 GHz
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	to be defined by the satellite operator
	Antenna Gain	
	Radiated power	Refer to sub-class 12 (2000/299/EC)
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ERC/DEC/(98)15 EN 301 427	
Remarks	Coupled with 14-14.25 GHz	
Notification number	2013/32/L	
Equipment class	Class 1	Refer to sub-class 12 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	14000 - 14250 MHz	
Radio Service	Mobile-Satellite (Earth-to-space) ----- Land Mobile-Satellite (Earth-to-space) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	to be defined by the satellite operator
	Antenna Gain	
	Radiated power	Refer to sub-class 12 (2000/299/EC)
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ERC/DEC/(98)15 EN 301 427	
Remarks	Coupled with 10.7-12.75 GHz	
Notification number	2013/32/L	
Equipment class	Class 1	Refer to sub-class 12 (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	19700 - 20200 MHz	
Radio Service	Mobile-Satellite (space-to-Earth) ----- Land Mobile-Satellite (space-to-Earth) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 360; EN 301 459	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

MSS Earth stations

Parameter	Description	Comment
Frequency band	29500 - 30000 MHz	
Radio Service	Mobile-Satellite (Earth-to-space) ----- Land Mobile-Satellite (Earth-to-space) -----	
Application	Satellite systems (civil) ----- MSS Earth stations -----	
Channel / modulation	Channel spacing	to be defined by the satellite operator
	Designation of emission	to be defined by the satellite operator
	Modulation / Occupied bandwidth	to be defined by the satellite operator
	Reference frequency	to be defined by the satellite operator
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	to be defined by the satellite operator
Direction / Separation	to be defined by the satellite operator	
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 459	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Mobile Satellite Service

COSPAS-SARSAT

Parameter	Description	Comment
Frequency band	406 - 406.1 MHz	
Radio Service	Mobile-Satellite	
Application	Satellite systems (civil)	COSPAS SARSAT regrouping: Emergency Position Indicating Radio Beacons (EPIRB) Emergency Locator Transmitter (ELT) Personal Locator Beacons (PLB)
Channel / modulation	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	Phase modulation of $\pm(1.1)$ radians peak
	Reference frequency	406.025 MHz \pm 0.005 MHz
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	5 W e.i.r.p. \pm 2 dB
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	400 bps
Direction / Separation		
Authorisation regime	For ELT and EPIRB individual license required.	
Add. essential requirements	Decision 2005/631/EC Decision 2013/638/EU	
Freq. planning assumption		
Planned changes		
Reference	EN 300 066 (EPIRB) EN 302 152 (PLB)	
Remarks	Usage of ELT and EPIRB	In case of ELT and EPIRB, these equipments should only be operated by a person who is holder of a valid operator certificate. PLB's are for the time being not supported on the territory of Luxembourg. Beacon owners who wish to register their beacons should do this on the site https://www.406registration.com .
Notification number	2009/0375/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Mobile Satellite Service

Non-voice transmit-only Mobile Earth Stations

Parameter	Description	Comment
	1613.8 - 1626.5 MHz	
	Mobile-Satellite (Earth-to-space)	
	Satellite systems (civil) MSS Earth stations	Non-voice transmit-only Mobile Earth Stations.
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power Antenna Gain Radiated power	Max. 30 dBm EIRP The equipment shall operate in accordance with the provisions of footnote 5.364 of the Radio Regulations and the level of unwanted emissions shall not exceed the limits specified in the Table 1 of Annex 1 of ITU-Recommendation M-1343-1.
Channel access and occupation rules	Duty cycle Access protocol Trans. capacity	Max. 1% The duty cycle is defined as the ratio, expressed as a percentage, of the maximum transmitter ON time on one carrier frequency, relative to a one hour period.
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	CEPT ECC DEC (09)04 EN 301 426; EN 301 441; EN 301 473	
Remarks		
Notification number	2011/547/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Radiodetermination Satellite Service

GNSS Repeaters

Parameter	Description	Comment
	1164 - 1300 MHz	
	Radiodetermination-Satellite ----- Radionavigation-Satellite -----	
	Satellite systems (civil) ----- Satellite navigation systems -----	Concerns GNSS-Repeaters
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency -----	
	Output power ----- Antenna Gain ----- Radiated power -----	Conditions of annex 1 of ECC/REC/(10)02 shall be respected.
	Duty cycle ----- Access protocol ----- Trans. capacity -----	
Direction / Separation		
Authorisation regime	Individual license required.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC/REC/(10)02 EN 302 645	
Remarks		
Notification number	2011/466/L	
Equipment class		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Radiodetermination Satellite Service

GNSS Repeaters

Parameter	Description	Comment
	1559 - 1610 MHz	
	Radiodetermination-Satellite ----- Radionavigation-Satellite -----	
	Satellite systems (civil) ----- Satellite navigation systems -----	Concerns GNSS-Repeaters
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency -----	
	Output power ----- Antenna Gain ----- Radiated power -----	Conditions of annex 1 of ECC/REC/(10)02 shall be respected.
	Duty cycle ----- Access protocol ----- Trans. capacity -----	
Direction / Separation		
Authorisation regime	Individual license required.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC/REC/(10)02 EN 302 645	
Remarks		
Notification number	2011/466/L	
Equipment class		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound analogue

Parameter	Description	Comment
Frequency band	0.1485 - 0.255 MHz	
Radio Service	Broadcasting	
Application	Broadcasting Broadcasting (terrestrial) AM sound analogue	
Channel / modulation	Channel spacing	
	Designation of emission	9K00A3EGN
	Modulation / Occupied bandwidth	AM
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>e.r.p. will be defined during licensing procedure</i>
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	GE 75 Agreement	
Planned changes		
Reference	EN 302 017	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound analogue

Parameter	Description	Comment
Frequency band	0.5265 - 1.6065 MHz	
Radio Service	Broadcasting	
Application	Broadcasting Broadcasting (terrestrial) AM sound analogue	
Channel / modulation	Channel spacing	
	Designation of emission	9K00A3EGN
	Modulation / Occupied bandwidth	AM
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>e.r.p. will be defined during licensing procedure</i>
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	GE 75 Agreement	
Planned changes		
Reference	EN 302 017	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound analogue

Parameter	Description	Comment
Frequency band	87.5 - 108 MHz	
Radio Service	Broadcasting	
Application	Broadcasting Broadcasting (terrestrial) FM sound analogue	
Channel / modulation	Channel spacing	100 kHz
	Designation of emission	180KF9EG; 300KF9EH
	Modulation / Occupied bandwidth	FM
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	<i>e.r.p. will be defined during licensing procedure</i>
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	GE 84 Agreement ITU-R B.S.412-9 ITU-R B.S.450-3	Pilot system
Planned changes		
Reference	EN 302 018 (ETS 300 384)	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound analogue

Parameter	Description	Comment
Frequency band	98.7 - 98.7 MHz	Only for temporary use during local events for transmission of event-related information.
Radio Service	Broadcasting	
Application	Broadcasting Broadcasting (terrestrial) FM sound analogue	
Channel / modulation	Channel spacing	100 kHz
	Designation of emission	180KF9EG; 300KF9EH
	Modulation / Occupied bandwidth	FM
	Reference frequency	
Transmit power / Power density	Output power	Max. 1W
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	No licensing required, but notification to the ILR prior to putting into service.	
Add. essential requirements		
Freq. planning assumption	GE 84 Agreement ITU-R B.S.412-9 ITU-R B.S.450-3	Pilot system
Planned changes		
Reference	EN 302 018 (ETS 300 384)	
Remarks		
Notification number	2012/305/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Broadcasting

Sound analogue

Parameter	Description	Comment
Frequency band	99.5 - 99.5 MHz	Only for temporary use during local events for transmission of event-related information.
Radio Service	Broadcasting	
Application	Broadcasting Broadcasting (terrestrial) FM sound analogue	
Channel / modulation	Channel spacing	100 kHz
	Designation of emission	180KF9EG; 300KF9EH
	Modulation / Occupied bandwidth	FM
	Reference frequency	
Transmit power / Power density	Output power	Max. 1W
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	No licensing required, but notification to the ILR prior to putting into service.	
Add. essential requirements		
Freq. planning assumption	GE 84 Agreement ITU-R B.S.412-9 ITU-R B.S.450-3	Pilot system
Planned changes		
Reference	EN 302 018 (ETS 300 384)	
Remarks		
Notification number	2012/305/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description	Comment								
Frequency band	<i>0.1485 - 0.2835 MHz</i>									
Radio Service	<i>Broadcasting</i>									
Application	<i>Broadcasting</i> <i>Broadcasting (terrestrial)</i> <i>DRM</i>									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td><i>9 kHz</i></td> </tr> <tr> <td>Designation of emission</td> <td><i>9K00A3E</i></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td><i>to be defined by the operator</i></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	<i>9 kHz</i>	Designation of emission	<i>9K00A3E</i>	Modulation / Occupied bandwidth	<i>to be defined by the operator</i>	Reference frequency		<i>Under study</i>
Channel spacing	<i>9 kHz</i>									
Designation of emission	<i>9K00A3E</i>									
Modulation / Occupied bandwidth	<i>to be defined by the operator</i>									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td><i>Not defined</i></td> </tr> </table>	Output power		Antenna Gain		Radiated power	<i>Not defined</i>	<i>e.r.p. will be defined during licensing procedure</i>		
Output power										
Antenna Gain										
Radiated power	<i>Not defined</i>									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td><i>Not applicable</i></td> </tr> <tr> <td>Access protocol</td> <td><i>Not applicable</i></td> </tr> <tr> <td>Trans. capacity</td> <td><i>Not applicable</i></td> </tr> </table>	Duty cycle	<i>Not applicable</i>	Access protocol	<i>Not applicable</i>	Trans. capacity	<i>Not applicable</i>			
Duty cycle	<i>Not applicable</i>									
Access protocol	<i>Not applicable</i>									
Trans. capacity	<i>Not applicable</i>									
Direction / Separation	<i>Not applicable</i>									
Authorisation regime	<i>Individual licensing</i>									
Add. essential requirements										
Freq. planning assumption	<i>GE 75 Agreement</i>									
Planned changes										
Reference	<i>EN 302 245</i>									
Remarks										
Notification number	<i>2007/351/L</i>									
Equipment class	<i>Class 2</i>									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description	Comment	
Frequency band	0.5265 - 1.6065 MHz		
Radio Service	Broadcasting		
Application	Broadcasting Broadcasting (terrestrial) DRM		
Channel / modulation	Channel spacing	9 kHz	Under study
	Designation of emission	9K00A3E	
	Modulation / Occupied bandwidth	to be defined by the operator	
	Reference frequency		
Transmit power / Power density	Output power		e.r.p. will be defined during licensing procedure
	Antenna Gain		
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not applicable	
	Access protocol	Not applicable	
	Trans. capacity	Not applicable	
Direction / Separation	Not applicable		
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption	GE 75 Agreement		
Planned changes			
Reference	EN 302 245		
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description		Comment
Frequency band	3.95 - 4 MHz		
Radio Service	Broadcasting		
Application	Broadcasting Broadcasting (terrestrial) DRM		
Channel / modulation	Channel spacing	10 kHz	Under study
	Designation of emission	10K00A3E	
	Modulation / Occupied bandwidth	to be defined by the operator	
	Reference frequency		
Transmit power / Power density	Output power		e.r.p. will be defined during licensing procedure
	Antenna Gain		
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not applicable	
	Access protocol	Not applicable	
	Trans. capacity	Not applicable	
Direction / Separation	Not defined		
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 302 245		
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description		Comment
Frequency band	5.9 - 6.2 MHz		
Radio Service	Broadcasting		
Application	Broadcasting Broadcasting (terrestrial) DRM		
Channel / modulation	Channel spacing	10 kHz	Under study
	Designation of emission	10K00A3E	
	Modulation / Occupied bandwidth	to be defined by the operator	
	Reference frequency		
Transmit power / Power density	Output power		e.r.p. will be defined during licensing procedure
	Antenna Gain		
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not applicable	
	Access protocol	Not applicable	
	Trans. capacity	Not applicable	
Direction / Separation	Not applicable		
Authorisation regime	Individual licensing		
Add. essential requirements	RR Article 12		
Freq. planning assumption			
Planned changes			
Reference	EN 302 245		
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description	Comment	
Frequency band	7.2 - 7.4 MHz		
Radio Service	Broadcasting		
Application	Broadcasting Broadcasting (terrestrial) DRM		
Channel / modulation	Channel spacing	10 kHz	
	Designation of emission	10K00A3E	
	Modulation / Occupied bandwidth	to be defined by the operator	Under study
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		e.r.p will be defined during licensing procedure
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not applicable	
	Access protocol	Not applicable	
	Trans. capacity	Not applicable	
Direction / Separation	Not applicable		
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption	RR Article 12		
Planned changes			
Reference	EN 302 245		
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description		Comment
Frequency band	9.4 - 9.9 MHz		
Radio Service	Broadcasting		
Application	Broadcasting Broadcasting (terrestrial) DRM		
Channel / modulation	Channel spacing	10 kHz	Under study
	Designation of emission	10K00A3E	
	Modulation / Occupied bandwidth	to be defined by the operator	
	Reference frequency		
Transmit power / Power density	Output power		e.r.p. will be defined during licensing procedure
	Antenna Gain		
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not applicable	
	Access protocol	Not applicable	
	Trans. capacity	Not applicable	
Direction / Separation	Not applicable		
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption	RR Article 12		
Planned changes			
Reference	EN 302 245		
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description	Comment
Frequency band	11.6 - 12.1 MHz	
Radio Service	Broadcasting	
Application	Broadcasting Broadcasting (terrestrial) DRM	
Channel / modulation	Channel spacing	10 kHz
	Designation of emission	10K00A3E
	Modulation / Occupied bandwidth	to be defined by the operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	RR Article 12	
Planned changes		
Reference	EN 302 245	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description	Comment								
Frequency band	<i>13.57 - 13.87 MHz</i>									
Radio Service	<i>Broadcasting</i>									
Application	<i>Broadcasting</i> <i>Broadcasting (terrestrial)</i> <i>DRM</i>									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td><i>10 kHz</i></td> </tr> <tr> <td>Designation of emission</td> <td><i>10K00A3E</i></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td><i>to be defined by the operator</i></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	<i>10 kHz</i>	Designation of emission	<i>10K00A3E</i>	Modulation / Occupied bandwidth	<i>to be defined by the operator</i>	Reference frequency		<i>Under study</i>
Channel spacing	<i>10 kHz</i>									
Designation of emission	<i>10K00A3E</i>									
Modulation / Occupied bandwidth	<i>to be defined by the operator</i>									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td><i>Not defined</i></td> </tr> </table>	Output power		Antenna Gain		Radiated power	<i>Not defined</i>	<i>e.r.p. will be defined during licensing procedure</i>		
Output power										
Antenna Gain										
Radiated power	<i>Not defined</i>									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td><i>Not applicable</i></td> </tr> <tr> <td>Access protocol</td> <td><i>Not applicable</i></td> </tr> <tr> <td>Trans. capacity</td> <td><i>Not applicable</i></td> </tr> </table>	Duty cycle	<i>Not applicable</i>	Access protocol	<i>Not applicable</i>	Trans. capacity	<i>Not applicable</i>			
Duty cycle	<i>Not applicable</i>									
Access protocol	<i>Not applicable</i>									
Trans. capacity	<i>Not applicable</i>									
Direction / Separation	<i>Not applicable</i>									
Authorisation regime	<i>Individual licensing</i>									
Add. essential requirements										
Freq. planning assumption	<i>RR Article 12</i>									
Planned changes										
Reference	<i>EN 302 245</i>									
Remarks										
Notification number	<i>2007/351/L</i>									
Equipment class	<i>Class 2</i>									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description	Comment	
Frequency band	15.1 - 15.8 MHz		
Radio Service	Broadcasting		
Application	Broadcasting Broadcasting (terrestrial) DRM		
Channel / modulation	Channel spacing	10 kHz	Under study
	Designation of emission	10K00A3E	
	Modulation / Occupied bandwidth	to be defined by the operator	
	Reference frequency		
Transmit power / Power density	Output power		e.r.p. will be defined during licensing procedure
	Antenna Gain		
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not applicable	
	Access protocol	Not applicable	
	Trans. capacity	Not applicable	
Direction / Separation	Not applicable		
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption	RR Article 12		
Planned changes			
Reference	EN 302 245		
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description	Comment
Frequency band	17.48 - 17.9 MHz	
Radio Service	Broadcasting	
Application	Broadcasting Broadcasting (terrestrial) DRM	
Channel / modulation	Channel spacing	10 kHz
	Designation of emission	10K00A3E
	Modulation / Occupied bandwidth	to be defined by the operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	RR Article 12	
Planned changes		
Reference	EN 302 245	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description	Comment	
Frequency band	18.9 - 19.02 MHz		
Radio Service	Broadcasting		
Application	Broadcasting Broadcasting (terrestrial) DRM		
Channel / modulation	Channel spacing	10 kHz	
	Designation of emission	10K00A3E	
	Modulation / Occupied bandwidth	to be defined by the operator	Under study
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		e.r.p. will be defined during licensing procedure
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not applicable	
	Access protocol	Not applicable	
	Trans. capacity	Not applicable	
Direction / Separation	Not applicable		
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption	RR Article 12		
Planned changes			
Reference	EN 302 245		
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description		Comment
Frequency band	21.45 - 21.85 MHz		
Radio Service	Broadcasting		
Application	Broadcasting Broadcasting (terrestrial) DRM		
Channel / modulation	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	10 kHz ----- 10K00A3E ----- to be defined by the operator ----- -----	Under study
Transmit power / Power density	Output power ----- Antenna Gain ----- Radiated power	----- ----- Not defined	e.r.p. will be defined during licensing procedure
Channel access and occupation rules	Duty cycle ----- Access protocol ----- Trans. capacity	Not applicable ----- Not applicable ----- Not applicable	
Direction / Separation	Not applicable		
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption	RR Article 12		
Planned changes			
Reference	EN 302 245		
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description	Comment	
Frequency band	25.67 - 26.1 MHz		
Radio Service	Broadcasting		
Application	Broadcasting Broadcasting (terrestrial) DRM		
Channel / modulation	Channel spacing	10 kHz	
	Designation of emission	10K00A3E	
	Modulation / Occupied bandwidth	to be defined by the operator	Under study
	Reference frequency		
Transmit power / Power density	Output power		
	Antenna Gain		e.r.p. will be defined during licensing procedure
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not applicable	
	Access protocol	Not applicable	
	Trans. capacity	Not applicable	
Direction / Separation	Not applicable		
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption	RR Article 12		
Planned changes			
Reference	EN 302 245		
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

Sound digital

Parameter	Description	Comment
Frequency band	174 - 230 MHz	
Radio Service	Broadcasting	
Application	Broadcasting Broadcasting (terrestrial) T-DAB	
Channel / modulation	Channel spacing	1.5 MHz
	Designation of emission	1M50X7EEF
	Modulation / Occupied bandwidth	to be defined by the operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	e.r.p. will be defined during licensing procedure
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	GE 06 plan	
Planned changes		
Reference	EN 302 077	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

TV digital

Parameter	Description	Comment
Frequency band	174 - 230 MHz	
Radio Service	Broadcasting	
Application	Broadcasting Broadcasting (terrestrial) DVB-T	
Channel / modulation	Channel spacing	7 MHz
	Designation of emission	7M00X7FXF
	Modulation / Occupied bandwidth	to be defined by the operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	e.r.p. will be defined during licensing procedure
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	GE 06 plan	
Planned changes		
Reference	EN 300 744, EN 302 296	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Broadcasting

TV digital

Parameter	Description	Comment
Frequency band	470 - 790 MHz	
Radio Service	Broadcasting	
Application	Broadcasting Broadcasting (terrestrial) DVB-T	
Channel / modulation	Channel spacing	8 MHz
	Designation of emission	8M00X7FXF
	Modulation / Occupied bandwidth	to be defined by the operator
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	e.r.p. will be defined during licensing procedure
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	GE 06 plan	
Planned changes		
Reference	EN 300 744; EN 302 296	
Remarks		
Notification number	2010/708/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description		Comment
Frequency band	68 - 74.8 MHz		
Radio Service	<i>Mobile</i> ----- <i>Land Mobile</i> -----		
Application	<i>Land mobile</i> ----- <i>PMR/PAMR</i> -----		
Channel / modulation	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz	
	Designation of emission	-----	
	Modulation / Occupied bandwidth	-----	
	Reference frequency	-----	
Transmit power / Power density	Output power	<i>e.r.p. will be defined during licensing procedure</i>	
	Antenna Gain	-----	
	Radiated power	<i>Not defined</i>	
Channel access and occupation rules	Duty cycle	<i>Not defined</i>	<i>Access protocol EN 300 471 or equal specification only mandatory if data transmission is used.</i>
	Access protocol	<i>EN 300 471</i>	
	Trans. capacity	<i>Not defined</i>	
Direction / Separation	9.8 MHz		
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 300 086; EN 300 113; EN 300 471; EN 300 219; EN 300 296; EN 300 341; EN 300 390; EN 301 166</i>		
Remarks			
Notification number	2013/632/L		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description	Comment								
Frequency band	75.2 - 87.5 MHz									
Radio Service	Mobile ----- Land Mobile -----									
Application	Land mobile ----- PMR/PAMR -----									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz	Designation of emission		Modulation / Occupied bandwidth		Reference frequency		
Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz									
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td>e.r.p. will be defined during licensing procedure</td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td>Not defined</td> </tr> </table>	Output power	e.r.p. will be defined during licensing procedure	Antenna Gain		Radiated power	Not defined			
Output power	e.r.p. will be defined during licensing procedure									
Antenna Gain										
Radiated power	Not defined									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td>Not defined</td> </tr> <tr> <td>Access protocol</td> <td>EN 300 471</td> </tr> <tr> <td>Trans. capacity</td> <td>Not defined</td> </tr> </table>	Duty cycle	Not defined	Access protocol	EN 300 471	Trans. capacity	Not defined	Access protocoll EN 300 471 or equal specification only mandatory if data transmission is used.		
Duty cycle	Not defined									
Access protocol	EN 300 471									
Trans. capacity	Not defined									
Direction / Separation	9.8 MHz	Part of the band is simplex								
Authorisation regime	Individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 300 086; EN 300 113; EN 300 471; EN 300 219; EN 300 296; EN 300 341; EN 300 390; EN 301 166									
Remarks										
Notification number	2013/632/L									
Equipment class	Class 2									

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

PMR

Parameter	Description	Comment	
Frequency band	146 - 156.5125 MHz		
Radio Service	Mobile ----- Land Mobile -----		
Application	Land mobile ----- PMR/PAMR -----		
Channel / modulation	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	e.r.p. will be defined during licensing procedure	
	Antenna Gain		
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not defined	Access protocoll EN 300 471 or equal specification only mandatory if data transmission is used.
	Access protocol	EN 300 471	
	Trans. capacity	Not defined	
Direction / Separation	4.6 MHz	Part of the band is simplex	
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 086; EN 300 113; EN 300 471; EN 300 219; EN 300 296; EN 300 341; EN 300 390; EN 301 166		
Remarks			
Notification number	2013/632/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description		Comment
Frequency band	156.5375 - 156.7625 MHz		
Radio Service	<i>Mobile</i> ----- <i>Land Mobile</i> -----		
Application	<i>Land mobile</i> ----- <i>PMR/PAMR</i> -----		
Channel / modulation	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	<i>e.r.p. will be defined during licensing procedure</i>	
	Antenna Gain		
	Radiated power	<i>Not defined</i>	
Channel access and occupation rules	Duty cycle	<i>Not defined</i>	<i>Access protocol EN 300 471 or equal specification only mandatory if data transmission is used.</i>
	Access protocol	<i>EN 300 471</i>	
	Trans. capacity	<i>Not defined</i>	
Direction / Separation	4.6 MHz		
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 300 086; EN 300 113; EN 300 471; EN 300 219; EN 300 296; EN 300 341; EN 300 390; EN 301 166</i>		
Remarks			
Notification number	2013/632/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description		Comment
Frequency band	156.8375 - 169.4 MHz		
Radio Service	<i>Mobile</i> ----- <i>Land Mobile</i> -----		
Application	<i>Land mobile</i> ----- <i>PMR/PAMR</i> -----		
Channel / modulation	Channel spacing	6.25 kHz; 12.5 kHz, 20 kHz, 25 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	<i>e.r.p. will be defined during licensing procedure</i>	
	Antenna Gain		
	Radiated power	<i>Not defined</i>	
Channel access and occupation rules	Duty cycle	<i>Not defined</i>	<i>Access protocol EN 300 471 or equal specification only mandatory if data transmission is used.</i>
	Access protocol	<i>EN 300 471</i>	
	Trans. capacity	<i>Not defined</i>	
Direction / Separation	4.6 MHz		
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 300 086; EN 300 113; EN 300 471; EN 300 219; EN 300 296; EN 300 341; EN 300 390; EN 301 166</i>		
Remarks			
Notification number	2013/632/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description	Comment								
Frequency band	169.825 - 174 MHz									
Radio Service	Mobile ----- Land Mobile -----									
Application	Land mobile ----- PMR/PAMR -----									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>6.25 kHz; 12.5 kHz, 20 kHz, 25 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	6.25 kHz; 12.5 kHz, 20 kHz, 25 kHz	Designation of emission		Modulation / Occupied bandwidth		Reference frequency		
Channel spacing	6.25 kHz; 12.5 kHz, 20 kHz, 25 kHz									
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td>e.r.p. will be defined during licensing procedure</td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td>Not defined</td> </tr> </table>	Output power	e.r.p. will be defined during licensing procedure	Antenna Gain		Radiated power	Not defined			
Output power	e.r.p. will be defined during licensing procedure									
Antenna Gain										
Radiated power	Not defined									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td>Not defined</td> </tr> <tr> <td>Access protocol</td> <td>EN 300 471</td> </tr> <tr> <td>Trans. capacity</td> <td>Not defined</td> </tr> </table>	Duty cycle	Not defined	Access protocol	EN 300 471	Trans. capacity	Not defined	Access protocoll EN 300 471 or equal specification only mandatory if data transmission is used.		
Duty cycle	Not defined									
Access protocol	EN 300 471									
Trans. capacity	Not defined									
Direction / Separation	4.6 MHz									
Authorisation regime	Individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 300 086; EN 300 113; EN 300 471; EN 300 219; EN 300 296; EN 300 341; EN 300 390; EN 301 166									
Remarks										
Notification number	2013/632/L									
Equipment class	Class 2									

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

PMR

Parameter	Description	Comment								
Frequency band	384.75 - 385 MHz									
Radio Service	Mobile									
Application	Aeronautical Aeronautical communications AGA communications (civil)	Only digital trunking applications for emergency services.								
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>25 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>Digital; PI/4 DQPSK</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	25 kHz	Designation of emission		Modulation / Occupied bandwidth	Digital; PI/4 DQPSK	Reference frequency		
Channel spacing	25 kHz									
Designation of emission										
Modulation / Occupied bandwidth	Digital; PI/4 DQPSK									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td>Not defined</td> </tr> </table>	Output power		Antenna Gain		Radiated power	Not defined			
Output power										
Antenna Gain										
Radiated power	Not defined									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td>Not defined</td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle	Not defined	Access protocol		Trans. capacity				
Duty cycle	Not defined									
Access protocol										
Trans. capacity										
Direction / Separation	10 MHz	Mobile transmit								
Authorisation regime	Individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 303 035; TBR 35; TR 102 459									
Remarks	Coupled with 394.75-395.0 MHz									
Notification number	2009/0375/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description	Comment								
Frequency band	394.75 - 395 MHz									
Radio Service	Mobile									
Application	Aeronautical Aeronautical communications AGA communications (civil)	Only digital trunking applications for emergency services.								
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>25 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>Digital; PI/4 DQPSK</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	25 kHz	Designation of emission		Modulation / Occupied bandwidth	Digital; PI/4 DQPSK	Reference frequency		
Channel spacing	25 kHz									
Designation of emission										
Modulation / Occupied bandwidth	Digital; PI/4 DQPSK									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td>Not defined</td> </tr> </table>	Output power		Antenna Gain		Radiated power	Not defined			
Output power										
Antenna Gain										
Radiated power	Not defined									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td>Not defined</td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle	Not defined	Access protocol		Trans. capacity				
Duty cycle	Not defined									
Access protocol										
Trans. capacity										
Direction / Separation	10 MHz	BS transmit								
Authorisation regime	Individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 303 035; TBR 35; TR 102 459									
Remarks	Coupled with 384.75-385.0 MHz									
Notification number	2009/0375/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description	Comment
Frequency band	380 - 385 MHz	
Radio Service	Mobile ----- Land Mobile -----	
Application	Land mobile ----- PMR/PAMR ----- TETRA	Only digital trunking applications for emergency services. Network stations without DMO.
Channel / modulation	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz; 50 kHz; 100 kHz; 150 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	30 W ; 10 W ; 3 W ; 1 W
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not defined
	Access protocol	Not applicable
	Trans. capacity	
Direction / Separation	10 MHz	Mobile station transmit.
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	ECC DEC(08)05	
Planned changes		
Reference	EN 301 166; EN 303 035; TBR 35; EN 302 561 ECC DEC(08)05	
Remarks	Coupled with 390-395 MHz	
Notification number	2014/450/L	
Equipment class	Class 1	Refer to sub-class 13 (Commission Decision 2000/29) 25 kHz channel spacing

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

PMR

Parameter	Description		Comment
Frequency band	390 - 395 MHz		
Radio Service	<i>Mobile</i> <i>Land Mobile</i>		
Application	<i>Land mobile</i> <i>PMR/PAMR</i> <i>TETRA</i>		Only digital trunking applications for emergency services. Network stations without DMO.
Channel / modulation	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz; 50 kHz; 100 kHz; 150 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	30 W ; 10 W ; 3 W ; 1 W	e.r.p. will be defined during licensing procedure
	Antenna Gain		45 dBm (30W) Power class 1 40 dBm (10W) Power class 2 35 dBm (3W) Power class 3 30 dBm (1W) Power class 4
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not defined	
	Access protocol	Not applicable	
	Trans. capacity		
Direction / Separation	10 MHz		BS transmit.
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption	ECC DEC(08)05		
Planned changes			
Reference	EN 301 166; EN 303 035; TBR 35; EN 302 561 ECC DEC(08)05		
Remarks	Coupled with 380-385 MHz		
Notification number	2014/450/L		
Equipment class	Class 1		Refer to sub-class 13 (Commission Decision 2000/29) 25 kHz channel spacing

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description		Comment
Frequency band	406.1 - 410 MHz		
Radio Service	Mobile ----- Mobile except aeronautical mobile -----		
Application	Land mobile ----- PMR/PAMR ----- PMR		
Channel / modulation	Channel spacing	6.25 kHz; 12.5 kHz, 20 kHz, 25 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	e.r.p. will be defined during licensing procedure	
	Antenna Gain		
	Radiated power	Not defined	
Channel access and occupation rules	Duty cycle	Not defined	Access protocol EN 300 471 or equal specification only mandatory if data transmission is used.
	Access protocol	EN 300 471	
	Trans. capacity	Not defined	
Direction / Separation			
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300-086; -113; -219; -296; -341; -390; -471; EN 301-166 and TS 102 361		
Remarks			
Notification number	2013/632/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

PMR

Parameter	Description	Comment
Frequency band	410 - 420 MHz	
Radio Service	Mobile ----- Land Mobile -----	
Application	Land mobile ----- PMR/PAMR -----	Only trunking applications
Channel / modulation	Channel spacing	12.5 kHz; 25 kHz; 50 kHz; 100 kHz; 150 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	FM/Digital
	Reference frequency	
Transmit power / Power density	Output power	e.r.p. will be defined during licensing procedure
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not defined
	Access protocol	Not applicable
	Trans. capacity	Not defined
Direction / Separation	10 MHz	Mobile station transmit.
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN300086;EN300113;EN300219;EN300296;EN300341; EN300390;EN301166;EN303035;EN302561	
Remarks	Coupled with 420-430 MHz	
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

PMR

Parameter	Description	Comment								
Frequency band	420 - 430 MHz									
Radio Service	Mobile ----- Land Mobile -----									
Application	Land mobile ----- PMR/PAMR -----	Only trunking applications								
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>12.5 kHz; 25 kHz; 50 kHz; 100 kHz; 150 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>FM/Digital</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	12.5 kHz; 25 kHz; 50 kHz; 100 kHz; 150 kHz	Designation of emission		Modulation / Occupied bandwidth	FM/Digital	Reference frequency		
Channel spacing	12.5 kHz; 25 kHz; 50 kHz; 100 kHz; 150 kHz									
Designation of emission										
Modulation / Occupied bandwidth	FM/Digital									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td>e.r.p. will be defined during licensing procedure</td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td>Not defined</td> </tr> </table>	Output power	e.r.p. will be defined during licensing procedure	Antenna Gain		Radiated power	Not defined			
Output power	e.r.p. will be defined during licensing procedure									
Antenna Gain										
Radiated power	Not defined									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td>Not defined</td> </tr> <tr> <td>Access protocol</td> <td>Not applicable</td> </tr> <tr> <td>Trans. capacity</td> <td>Not defined</td> </tr> </table>	Duty cycle	Not defined	Access protocol	Not applicable	Trans. capacity	Not defined			
Duty cycle	Not defined									
Access protocol	Not applicable									
Trans. capacity	Not defined									
Direction / Separation	10 MHz	BS transmit								
Authorisation regime	Individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN300086;EN300113;EN300219;EN300296;EN300341; EN300390;EN301166;EN303035;EN302561									
Remarks	Coupled with 410-420 MHz									
Notification number	2014/450/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description	Comment								
Frequency band	440 - 450 MHz									
Radio Service	Mobile ----- Land Mobile -----									
Application	Land mobile ----- PMR/PAMR -----									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz	Designation of emission		Modulation / Occupied bandwidth		Reference frequency		
Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz									
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td>e.r.p. will be defined during licensing procedure</td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td>Not defined</td> </tr> </table>	Output power	e.r.p. will be defined during licensing procedure	Antenna Gain		Radiated power	Not defined			
Output power	e.r.p. will be defined during licensing procedure									
Antenna Gain										
Radiated power	Not defined									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td>Not defined</td> </tr> <tr> <td>Access protocol</td> <td>EN 300 471</td> </tr> <tr> <td>Trans. capacity</td> <td>Not defined</td> </tr> </table>	Duty cycle	Not defined	Access protocol	EN 300 471	Trans. capacity	Not defined	Access protocoll EN 300 471 or equal specification only mandatory if data transmission is used.		
Duty cycle	Not defined									
Access protocol	EN 300 471									
Trans. capacity	Not defined									
Direction / Separation										
Authorisation regime	Individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 300-086; -113; -219; -296; -341; -390; -471; EN 301-166 and TS 102 361									
Remarks										
Notification number	2013/632/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description	Comment
Frequency band	450 - 460 MHz	
Radio Service	Mobile ----- Land Mobile -----	
Application	Land mobile ----- PMR/PAMR -----	
Channel / modulation	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz; 50kHz; 100kHz; 150kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	e.r.p. will be defined during licensing procedure
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not defined
	Access protocol	EN 300 471 (see remark)
	Trans. capacity	Not defined
Direction / Separation	10 MHz	Mobile station transmit
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300-086; -113; -219; -296; -341; -390; -471; EN 301-166; TS 102 361; EN 302 561	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description	Comment
Frequency band	460 - 470 MHz	
Radio Service	Mobile ----- Land Mobile -----	
Application	Land mobile ----- PMR/PAMR -----	
Channel / modulation	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz; 50 kHz, 100 kHz, 150 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
Transmit power / Power density	Output power	e.r.p. will be defined during licensing procedure
	Antenna Gain	
	Radiated power	Not defined
Channel access and occupation rules	Duty cycle	Not defined
	Access protocol	EN 300 471
	Trans. capacity	Not defined
Direction / Separation	10 MHz	Base station transmit
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300-086; -113; -219; -296; -341; -390; -471; EN 301-166; TS 102 361; EN 302 561	
Remarks		
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description		Comment
Frequency band	450 - 460 MHz		
Radio Service	<i>Mobile</i> ----- <i>Land Mobile</i> -----		
Application	<i>Land mobile</i> ----- <i>PMR/PAMR</i> ----- <i>TETRA</i>		
Channel / modulation	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	25 kHz <i>Digital; PI/4 DQPSK</i> -----	
Transmit power / Power density	Output power ----- Antenna Gain ----- Radiated power	<i>e.r.p. will be defined during licensing procedure</i> ----- <i>Not defined</i>	
Channel access and occupation rules	Duty cycle ----- Access protocol ----- Trans. capacity	<i>Not defined</i> <i>Not applicable</i> <i>Not defined</i>	
Direction / Separation	10 MHz		<i>Mobile station transmit.</i>
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 303 035</i>		
Remarks	<i>Coupled with 460 - 470 MHz</i>		
Notification number	<i>2009/0375/L</i>		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

Parameter	Description		Comment
Frequency band	460 - 470 MHz		
Radio Service	<i>Mobile</i> ----- <i>Land Mobile</i> -----		
Application	<i>Land mobile</i> ----- <i>PMR/PAMR</i> ----- <i>TETRA</i>		
Channel / modulation	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	25 kHz <i>Digital; PI/4 DQPSK</i> -----	
Transmit power / Power density	Output power ----- Antenna Gain ----- Radiated power	<i>e.r.p. will be defined during licensing procedure</i> ----- <i>Not defined</i>	
Channel access and occupation rules	Duty cycle ----- Access protocol ----- Trans. capacity	<i>Not defined</i> <i>Not applicable</i> <i>Not defined</i>	
Direction / Separation	10 MHz		<i>BS transmit</i>
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 303 035</i>		
Remarks	<i>Coupled with 450 - 460 MHz</i>		
Notification number	<i>2009/0375/L</i>		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

PMR446

Parameter	Description	Comment								
Frequency band	446 - 446.2 MHz									
Radio Service	Mobile ----- Land Mobile -----									
Application	Land mobile ----- PMR/PAMR ----- PMR 446									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>12.5 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>FM</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	12.5 kHz	Designation of emission		Modulation / Occupied bandwidth	FM	Reference frequency		Lowest carrier frequency: 446.00625 MHz
Channel spacing	12.5 kHz									
Designation of emission										
Modulation / Occupied bandwidth	FM									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td>0.5 W e.r.p.</td> </tr> </table>	Output power		Antenna Gain		Radiated power	0.5 W e.r.p.	Integral antenna only		
Output power										
Antenna Gain										
Radiated power	0.5 W e.r.p.									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td>Maximum Transmitter time-out: 180 s</td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle	Maximum Transmitter time-out: 180 s	Access protocol		Trans. capacity				
Duty cycle	Maximum Transmitter time-out: 180 s									
Access protocol										
Trans. capacity										
Direction / Separation	Not applicable									
Authorisation regime	Exempt from individual licensing									
Add. essential requirements										
Freq. planning assumption	ECC DEC (15)05									
Planned changes										
Reference	EN 300 296; EN 301 116 ECC DEC (15)05									
Remarks										
Notification number	2016/7/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

PMR

PMR446 digital

Parameter	Description	Comment
Frequency band	446 - 446.2 MHz	
Radio Service	Mobile ----- Land Mobile -----	446.0 – 446.1 MHz as of 1 January 2018
Application	Land mobile ----- PMR/PAMR ----- PMR 446	Digital PMR 446
Channel / modulation	Channel spacing	6.25 or 12.5 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
		Lowest carrier frequency: • 6.25 kHz channeling: 446.103125 MHz • 12.5 kHz channeling: 446.10625 MHz Lowest carrier frequency as of 1 January 2018: • 6.25 kHz channeling: 446.003125 MHz • 12.5 kHz channeling: 446.00625 MHz
Transmit power / Power density	Output power	
	Antenna Gain	
	Radiated power	0.5 W e.r.p.
		Integral antenna only
Channel access and occupation rules	Duty cycle	Maximum transmitter time-out : 180 s
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	Not applicable	
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	ECC DEC (15)05	
Planned changes		
Reference	EN 300 113 or EN 301 166	
Remarks		
Notification number	2016/7/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

UIC

Parameter	Description	Comment								
Frequency band	457.4 - 458.3 MHz									
Radio Service	Mobile									
Application	Land mobile	Railway application								
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Channel spacing</td> <td>6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz</td> </tr> <tr> <td style="text-align: center;">Designation of emission</td> <td></td> </tr> <tr> <td style="text-align: center;">Modulation / Occupied bandwidth</td> <td>FM; PM</td> </tr> <tr> <td style="text-align: center;">Reference frequency</td> <td></td> </tr> </table>	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz	Designation of emission		Modulation / Occupied bandwidth	FM; PM	Reference frequency		
Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz									
Designation of emission										
Modulation / Occupied bandwidth	FM; PM									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Output power</td> <td></td> </tr> <tr> <td style="text-align: center;">Antenna Gain</td> <td></td> </tr> <tr> <td style="text-align: center;">Radiated power</td> <td>Not defined</td> </tr> </table>	Output power		Antenna Gain		Radiated power	Not defined	e.r.p. will be defined during licensing procedure		
Output power										
Antenna Gain										
Radiated power	Not defined									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Duty cycle</td> <td>Not defined</td> </tr> <tr> <td style="text-align: center;">Access protocol</td> <td></td> </tr> <tr> <td style="text-align: center;">Trans. capacity</td> <td>Not defined</td> </tr> </table>	Duty cycle	Not defined	Access protocol		Trans. capacity	Not defined			
Duty cycle	Not defined									
Access protocol										
Trans. capacity	Not defined									
Direction / Separation	10 MHz									
Authorisation regime	Individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 300 086; EN 300 113; EN 300 219; EN 300 296; EN 300 341; EN 300 390; EN 301 166									
Remarks	Coupled with 467.4 - 468.3 MHz									
Notification number	2005/0347/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

UIC

Parameter	Description	Comment								
Frequency band	467.4 - 468.3 MHz									
Radio Service	Mobile									
Application	Land mobile	Railway application								
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Channel spacing</td> <td>6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz</td> </tr> <tr> <td style="text-align: center;">Designation of emission</td> <td></td> </tr> <tr> <td style="text-align: center;">Modulation / Occupied bandwidth</td> <td>FM; PM</td> </tr> <tr> <td style="text-align: center;">Reference frequency</td> <td></td> </tr> </table>	Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz	Designation of emission		Modulation / Occupied bandwidth	FM; PM	Reference frequency		
Channel spacing	6.25 kHz; 12.5 kHz; 20 kHz; 25 kHz									
Designation of emission										
Modulation / Occupied bandwidth	FM; PM									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Output power</td> <td></td> </tr> <tr> <td style="text-align: center;">Antenna Gain</td> <td></td> </tr> <tr> <td style="text-align: center;">Radiated power</td> <td>Not defined</td> </tr> </table>	Output power		Antenna Gain		Radiated power	Not defined	e.r.p. will be defined during licensing procedure		
Output power										
Antenna Gain										
Radiated power	Not defined									
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Duty cycle</td> <td>Not defined</td> </tr> <tr> <td style="text-align: center;">Access protocol</td> <td></td> </tr> <tr> <td style="text-align: center;">Trans. capacity</td> <td>Not defined</td> </tr> </table>	Duty cycle	Not defined	Access protocol		Trans. capacity	Not defined			
Duty cycle	Not defined									
Access protocol										
Trans. capacity	Not defined									
Direction / Separation	10 MHz									
Authorisation regime	Individual licencing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 300 086; EN 300 113; EN 300 219; EN 300 296; EN 300 341; EN 300 390; EN 301 166									
Remarks	Coupled with 457.4 - 458.3 MHz									
Notification number	2005/0347/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Land mobile

Intelligent Transport Systems

Parameter	Description	Comment								
	5875 - 5905 MHz									
	Mobile ----- Land Mobile -----									
	Land mobile ----- ITS -----									
	<table border="1"> <tr> <td>Channel spacing</td> <td>-----</td> </tr> <tr> <td>Designation of emission</td> <td>-----</td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>-----</td> </tr> <tr> <td>Reference frequency</td> <td>-----</td> </tr> </table>	Channel spacing	-----	Designation of emission	-----	Modulation / Occupied bandwidth	-----	Reference frequency	-----	Intelligent Transport Systems For traffic safety applications on a non-exclusive basis.
Channel spacing	-----									
Designation of emission	-----									
Modulation / Occupied bandwidth	-----									
Reference frequency	-----									
	<table border="1"> <tr> <td>Output power</td> <td>-----</td> </tr> <tr> <td>Antenna Gain</td> <td>-----</td> </tr> <tr> <td>Radiated power</td> <td>23 dBm/MHz eirp</td> </tr> </table>	Output power	-----	Antenna Gain	-----	Radiated power	23 dBm/MHz eirp	The total power shall not exceed 33 dBm eirp with a TPC range of 30 dB.		
Output power	-----									
Antenna Gain	-----									
Radiated power	23 dBm/MHz eirp									
	<table border="1"> <tr> <td>Duty cycle</td> <td>-----</td> </tr> <tr> <td>Access protocol</td> <td>-----</td> </tr> <tr> <td>Trans. capacity</td> <td>-----</td> </tr> </table>	Duty cycle	-----	Access protocol	-----	Trans. capacity	-----			
Duty cycle	-----									
Access protocol	-----									
Trans. capacity	-----									
Direction / Separation										
Authorisation regime	Exempt from individual licensing.									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	Decision 2008/671/EC ; ECC DEC (08)01 ; ECC Report 101 ; ECC Report 228 EN 302 571									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Land mobile

Intelligent Transport Systems

Parameter	Description	Comment
	5905 - 5925 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- ITS -----	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	Intelligent Transport Systems
	Output power ----- Antenna Gain ----- Radiated power 23 dBm/MHz eirp	The total power shall not exceed 33 dBm eirp with a TPC range of 30 dB.
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC DEC (08)01 ; ECC Report 101 ; ECC Report 228 EN 302 571	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Land mobile

Intelligent Transport Systems

Parameter	Description	Comment								
	63 - 64 MHz									
	Mobile ----- Land Mobile -----									
	Land mobile ----- ITS -----									
	<table border="1"> <tr> <td>Channel spacing</td> <td>-----</td> </tr> <tr> <td>Designation of emission</td> <td>-----</td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>-----</td> </tr> <tr> <td>Reference frequency</td> <td>-----</td> </tr> </table>	Channel spacing	-----	Designation of emission	-----	Modulation / Occupied bandwidth	-----	Reference frequency	-----	Intelligent Transport Systems
Channel spacing	-----									
Designation of emission	-----									
Modulation / Occupied bandwidth	-----									
Reference frequency	-----									
	<table border="1"> <tr> <td>Output power</td> <td>-----</td> </tr> <tr> <td>Antenna Gain</td> <td>-----</td> </tr> <tr> <td>Radiated power</td> <td>Max: 40 dBm eirp</td> </tr> </table>	Output power	-----	Antenna Gain	-----	Radiated power	Max: 40 dBm eirp			
Output power	-----									
Antenna Gain	-----									
Radiated power	Max: 40 dBm eirp									
	<table border="1"> <tr> <td>Duty cycle</td> <td>-----</td> </tr> <tr> <td>Access protocol</td> <td>-----</td> </tr> <tr> <td>Trans. capacity</td> <td>-----</td> </tr> </table>	Duty cycle	-----	Access protocol	-----	Trans. capacity	-----			
Duty cycle	-----									
Access protocol	-----									
Trans. capacity	-----									
Direction / Separation										
Authorisation regime	Exempt from individual licensing.									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	ECC DEC (09)01 ; ECC Report 113 ; EN 302 686									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Land mobile

Intelligent Transport Systems

Parameter	Description	Comment
	5855 - 5875 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- ITS -----	for ITS non-safety applications
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	Intelligent Transport Systems, non safety applications
	Output power ----- Antenna Gain ----- Radiated power 23 dBm/MHz eirp	The total power shall not exceed 33 dBm eirp with a TPC range of 30 dB
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	Exempt from individual licensing.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC REC 08-01 ; ECC Report 101; ECC Report 228; EN 302 571	
Remarks		
Notification number	2016/7/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Land mobile

Public Protection Disaster Relief

Parameter	Description	Comment
	5150 - 5250 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- PPDR ----- BBDR	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	BS: Base Station UE: User Equipment 26 dBm/MHz eirp (BS) 13 dBm/MHz eirp (UE)
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	ECC REC (08)04 EN 302 625	
Remarks		
Notification number	2013/632/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Land mobile

Paging

Parameter	Description		Comment
	455.825 - 455.9375 MHz		Following frequencies are not allocated to paging system : 455.850/465.850 455.8875/465.8875 MHz
	Mobile ----- Land Mobile -----		
	Land mobile ----- Paging -----		
	Channel spacing	12.5 kHz	
	Designation of emission	-----	
	Modulation / Occupied bandwidth	-----	
	Reference frequency	-----	
	Output power	-----	
	Antenna Gain	-----	
	Radiated power	Defined during licensing procedure	
	Duty cycle	-----	
	Access protocol	-----	
	Trans. capacity	-----	
Direction / Separation	10 MHz		Mobile transmit
Authorisation regime	Individual licence required.		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 300 224		
Remarks	Coupled with 465.825-465.9375 MHz		
Notification number	2005/0347/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Land mobile

Paging

Parameter	Description	Comment
	465.825 - 465.9375 MHz	Following frequencies are not allocated to paging system : 455.850/465.850 455.8875/465.8875 MHz
	Mobile ----- Land Mobile -----	
	Land mobile ----- Paging -----	
	Channel spacing	12.5 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	Defined during licensing procedure
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation	10 MHz	Base station transmit
Authorisation regime	Individual licence required.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 224	
Remarks	Coupled with 455.825-455.9375 MHz	
Notification number	2005/0347/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Land mobile

Paging

Parameter	Description	Comment								
	47 - 47.25 MHz									
	Mobile ----- Land Mobile -----									
	Land mobile ----- Paging -----									
	<table border="1"> <tr> <td>Channel spacing</td> <td>12.5 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	12.5 kHz	Designation of emission		Modulation / Occupied bandwidth		Reference frequency		
Channel spacing	12.5 kHz									
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
	<table border="1"> <tr> <td>Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td>Defined during licensing procedure</td> </tr> </table>	Output power		Antenna Gain		Radiated power	Defined during licensing procedure			
Output power										
Antenna Gain										
Radiated power	Defined during licensing procedure									
	<table border="1"> <tr> <td>Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity				
Duty cycle										
Access protocol										
Trans. capacity										
Direction / Separation										
Authorisation regime	Individual licence required.									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 300 224									
Remarks										
Notification number	2009/0375/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Other applications

CB

Parameter	Description	Comment
Frequency band	26.96 - 27.41 MHz	Excluding 26.995, 27.045, 27.095, 27.145 and 27.195 MHz
Radio Service	Mobile	
Application	Other CB radio DSB/SSB AM CB / CEPT PR 27	
Channel / modulation	Channel spacing	10 kHz
	Designation of emission	
	Modulation / Occupied bandwidth	Angle modulated / DSB / SSB
	Reference frequency	
Transmit power / Power density	Output power	4 Watt for angle modulation
	Antenna Gain	4 Watt RMS for DSB
	Radiated power	4 W/ 12 W 12 Watt PEP for SSB
Channel access and occupation rules	Duty cycle	Not applicable
	Access protocol	Not applicable
	Trans. capacity	Not applicable
Direction / Separation	NA	
Authorisation regime	Exempt from individual licensing	
Add. essential requirements		
Freq. planning assumption	Intended for analogue speech.	Includes the possibility of data transmissions within the speech channel, where applicable.
Planned changes		
Reference	ECC/DEC/(11)03; EN 300 433	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Other applications

Temporary Wireless Video Links

Parameter	Description	Comment
	2010 - 2025 MHz	Commission Implementing Decision (EU) 2016/339 of 8 March 2016 on the harmonisation of the 2010-2025 MHz frequency band
	Mobile ----- Land Mobile -----	
	Land mobile ----- PMSE -----	Temporary Wireless Video Links
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency -----	
	Output power ----- Antenna Gain ----- Radiated power -----	see comment Cordless camera: -7 dBW e.i.r.p. Mobile video links: 10 dBW e.i.r.p. Portable video links: 16 dBW e.i.r.p.
	Duty cycle ----- Access protocol ----- Trans. capacity -----	
Direction / Separation	NA	
Authorisation regime	Individual licence, temporary use only	
Add. essential requirements		
Freq. planning assumption	Decision 2016/339/EU	
Planned changes		
Reference	Decision 2016/339/EU EN 302 064	
Remarks		
Notification number		
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Other applications

Temporary Wireless Video Links

Parameter	Description	Comment
	2245 - 2290 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- PMSE ----- Cordless cameras	Temporary Wireless Video Links
	Channel spacing 5MHz, 10 MHz, 20 MHz ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power Defined during licence procedure	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	NA	
Authorisation regime	Individual licence, temporary use only	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 064	
Remarks		
Notification number		
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Other applications

Temporary Wireless Video Links

Parameter	Description	Comment
	2335 - 2395 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- PMSE ----- Cordless cameras	Temporary Wireless Video Links
	Channel spacing 5MHz, 10 MHz, 20 MHz ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power Defined during licence procedure	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	NA	
Authorisation regime	Individual licence, temporary use only	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 302 064	
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Other applications

High power remote controls in PMR bands

Parameter	Description	Comment
	146 - 174 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Telemetry/Telecommand (civil) -----	Remote controls for example cranes, locomotives
	Channel spacing 12.5 / 20 / 25 kHz ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power 500 mW erp	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	Individual licensing required	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 220	
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Other applications

High power remote controls in PMR bands

Parameter	Description	Comment
	440 - 470 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Telemetry/Telecommand (civil) -----	Remote controls for example cranes, locomotives
	Channel spacing 12.5 / 20 / 25 kHz ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power 500 mW erp	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	Individual licensing required	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 300 220	
Remarks		
Notification number	2009/0375/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	0.1357 - 0.1378 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1W eirp</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>CEPT ERC REC62-01 EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	0.472 - 0.479 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	<i>Secondary service</i>
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1W eirp</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2013/216/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	1.81 - 1.85 MHz	
	Amateur	1810 - 1830 kHz as secondary (1) 1830 - 1850 kHz as primary (2)
	Other Amateur	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	(2) : 1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	(1) : 10W eirp
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	1.85 - 2 MHz	
	<i>Amateur</i>	<i>Secondary service</i>
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	<i>10W e.r.p.</i>
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	3.5 - 3.8 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	5.3515 - 5.3665 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>15W e.i.r.p.</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number		
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	7 - 7.2 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	10.1 - 10.15 MHz	
	Amateur	
	Other	
	Amateur	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	14 - 14.35 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	<i>18.068 - 18.168 MHz</i>	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	21 - 21.45 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	24.89 - 24.99 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	2007/351/L	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	28 - 29.7 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	50 - 52 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	70.15 - 70.25 MHz	
	<i>Amateur</i>	<i>Secondary service</i>
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>10 dBW (10W) e.r.p.</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	144 - 146 MHz	
	Amateur	
	Other	
	Amateur	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	430 - 440 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licensing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	2007/351/L	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	1240 - 1300 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	2007/351/L	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	2300 - 2450 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	2007/351/L	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	3400 - 3410 MHz	
	<i>Amateur</i>	<i>Secondary service</i>
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	<i>1000W p.e.p.</i>
	Antenna Gain	<i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	5650 - 5850 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	10000 - 10500 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/35 I/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	24000 - 24250 MHz	
	<i>Amateur</i>	Primary service: Within the sub. band 24-24.05 GHz Secondary service: Within the sub. band 24.05-24.25 GHz
	<i>Other</i> <i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	47000 - 47200 MHz	
	<i>Amateur</i>	
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	<i>1000W p.e.p.</i> <i>If EIRP > 1000W then a special autorisation for the installation is mandatory</i>
	Duty cycle Access protocol Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 783</i>	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	75500 - 81000 MHz	
	Amateur	Primary service: Within the sub. bands 75.5-76 GHz
		Secondary service: Within the sub. bands 76- 81 GHz
	Other	
	Amateur	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	134000 - 141000 MHz	
	Amateur	Primary service: Within the sub. bands 134-136 GHz
		Secondary service: Within the sub. bands 136-141 GHz
	Other	
	Amateur	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2009/0375/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	142000 - 149000 MHz	
	Amateur	Primary service: Within the sub. band 142-144 GHz
		Secondary service: Within the sub. band 144-149 GHz
	Other	
	Amateur	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur

Parameter	Description	Comment
	241000 - 250000 MHz	
	<i>Amateur</i>	Secondary service: Within the sub. band 241-248 GHz
		Primary service: Within the sub. band 248-250 GHz
	<i>Other</i>	
	<i>Amateur</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	7 - 7.1 MHz	
	Amateur-Satellite	
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	14 - 14.25 MHz	
	Amateur-Satellite	
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	18.068 - 18.168 MHz	
	Amateur-Satellite	
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	21 - 21.45 MHz	
	Amateur	
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	24.89 - 24.99 MHz	
	<i>Amateur-Satellite</i>	
	<i>Satellite systems (civil)</i> <i>Amateur-satellite</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	28 - 29.7 MHz	
	Amateur-Satellite	
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	144 - 146 MHz	
	Amateur-Satellite	
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	435 - 438 MHz	
	Amateur-Satellite	
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment								
	1260 - 1270 MHz									
	Amateur-Satellite (Earth-to-space)									
	Satellite systems (civil) Amateur-satellite									
	<table border="1"> <tr> <td>Channel spacing</td> <td></td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td></td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing		Designation of emission		Modulation / Occupied bandwidth		Reference frequency		
Channel spacing										
Designation of emission										
Modulation / Occupied bandwidth										
Reference frequency										
	<table border="1"> <tr> <td>Output power</td> <td>1000W p.e.p.</td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	1000W p.e.p.	Antenna Gain		Radiated power		If EIRP > 1000W then a special autorisation for the installation is mandatory		
Output power	1000W p.e.p.									
Antenna Gain										
Radiated power										
	<table border="1"> <tr> <td>Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity				
Duty cycle										
Access protocol										
Trans. capacity										
Direction / Separation										
Authorisation regime	Individual Licencing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 301 783									
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate									
Notification number	2007/35 I/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	2400 - 2450 MHz	
	Amateur-Satellite	
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	5650 - 5670 MHz	
	<i>Amateur-Satellite (Earth-to-space)</i>	
	<i>Satellite systems (civil)</i> <i>Amateur-satellite</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	5830 - 5850 MHz	
	<i>Amateur-Satellite (space-to-Earth)</i>	
	<i>Satellite systems (civil)</i> <i>Amateur-satellite</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	10450 - 10500 MHz	
	Amateur-Satellite	
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	24000 - 24050 MHz	
	Amateur-Satellite	
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/35 I/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	47000 - 47200 MHz	
	<i>Amateur-Satellite</i>	
	<i>Satellite systems (civil)</i> <i>Amateur-satellite</i>	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual Licencing</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	<i>Equipment may be operated only by a person in possession of a radio operator's certificate</i>	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	75500 - 81000 MHz	
	Amateur-Satellite	Primary service: Within the sub. bands 75.5-76 GHz
		Secondary service: Within the sub. bands 76- 81 GHz
	Satellite systems (civil)	
	Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	134000 - 141000 MHz	
	Amateur-Satellite	Primary service: Within the sub. bands 134-136 GHz
		Secondary service: Within the sub. bands 136-141 GHz
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2009/0375/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	142000 - 149000 MHz	
	Amateur-Satellite	Primary service: Within the sub. band 142-144 GHz
		Secondary service: Within the sub. band 144-149 GHz
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Amateur

Amateur-Satellite

Parameter	Description	Comment
	241000 - 250000 MHz	
	Amateur-Satellite	Secondary service: Within the sub. band 241-248 GHz
		Primary service: Within the sub. band 248-250 GHz
	Satellite systems (civil) Amateur-satellite	
	Channel spacing	
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
	Output power	1000W p.e.p.
	Antenna Gain	If EIRP > 1000W then a special autorisation for the installation is mandatory
	Radiated power	
	Duty cycle	
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual Licencing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 783	
Remarks	Equipment may be operated only by a person in possession of a radio operator's certificate	
Notification number	2007/351/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Aeronautical Mobile

Aeronautical VHF-Direction Finder

Parameter	Description		Comment
	117.975 - 137 MHz		<i>This frequency range is managed by the frequency management group of ICAO</i>
	<i>Mobile</i> ----- <i>Aeronautical Mobile</i> -----		
	<i>Aeronautical</i> ----- <i>Aeronautical navigation</i> ----- <i>VOR</i>		<i>Direction Finder for VHF COM 8.33/25 kHz</i>
	Channel spacing	8.33/25kHz	
	Designation of emission		
	Modulation / Occupied bandwidth	A3E	
	Reference frequency		
	Output power		
	Antenna Gain		
	Radiated power		
	Duty cycle	<i>less 10%</i>	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	<i>Individual licensing procedure</i>		
Add. essential requirements			
Freq. planning assumption	<i>ICAO Annexe 10, Volume V</i>		
Planned changes			
Reference	<i>EN 60950</i> <i>EN 301 489-22</i> <i>EN 300 676</i>		<i>Electrical safety</i> <i>EMC</i> <i>Effective use of spectrum</i> <i>Additional essential requirements</i>
Remarks			
Notification number	<i>2007/351/L</i>		
Equipment class	<i>Class 2</i>		<i>ICAO Annexe 10, Volume III and Volume V</i>

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Aeronautical Mobile

Aeronautical Communications

Parameter	Description	Comment
Frequency band	117.975 - 137 MHz	<i>This frequency range is managed by the frequency management group of ICAO</i>
Radio Service	Mobile ----- Aeronautical Mobile -----	
Application	Aeronautical ----- Aeronautical communications -----	<i>Voice Communication, VHF COM 8.33/25 kHz</i>
Channel / modulation	Channel spacing	8.33/25 kHz
	Designation of emission	VHF COM
	Modulation / Occupied bandwidth	A3E
	Reference frequency	
Transmit power / Power density	Output power	50W
	Antenna Gain	0dB
	Radiated power	35W
Channel access and occupation rules	Duty cycle	less 10%
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	Individual licensing procedure	
Add. essential requirements		
Freq. planning assumption	ICAO Annexe 10, Volume V	
Planned changes		
Reference	EN 60950 EN 301 489-22 EN 300 676	<i>Electrical safety EMC Effective use of spectrum Additional essential requirements</i>
Remarks		
Notification number	2007/351/L	
Equipment class	Class 2	<i>ICAO Annexe 10, Volume III, Volume V</i>

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Aeronautical Mobile

Aeronautical Communication Receiver

Parameter	Description	Comment
	117.975 - 137 MHz	<i>This frequency range is managed by the frequency management group of ICAO</i>
	Mobile ----- <i>Aeronautical Mobile</i> -----	
	<i>Aeronautical</i> ----- <i>Aeronautical communications</i> -----	<i>Voice Communication, VHF COM 8.33/25 kHz</i>
	Channel spacing 8.33/25 kHz ----- Designation of emission ----- Modulation / Occupied bandwidth A3E ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	
Channel access and occupation rules	Duty cycle less 10% ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual licensing procedure</i>	
Add. essential requirements		
Freq. planning assumption	<i>ICAO Annexe 10, Volume V</i>	
Planned changes		
Reference	<i>EN 60950 EN 301 489-22 EN 300 676</i>	<i>Electrical safety EMC Effective use of spectrum Additional essential requirements</i>
Remarks		
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	<i>ICAO Annexe 10, Volume III and Volume V</i>

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Aeronautical Radionavigation

ILS

Parameter	Description		Comment
	108 - 111.975 MHz		<i>This frequency range is managed by the frequency management group of ICAO</i>
	<i>Radiodetermination</i> ----- <i>Radionavigation</i> ----- <i>Aeronautical Radionavigation</i>		
	<i>Aeronautical</i> ----- <i>Aeronautical navigation</i> ----- <i>ILS</i>		<i>Ground equipment Localizer and Glidepath</i>
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	50 kHz in VHF band 150 kHz in UHF band ----- ----- A3E	<i>ICAO Annexe 10, Volume I ICAO Doc 7754</i>
	Output power ----- Antenna Gain ----- Radiated power	According ICAO Annexe 10, Volume I ----- -----	
	Duty cycle ----- Access protocol ----- Trans. capacity	----- ----- -----	
Direction / Separation			
Authorisation regime	<i>Individual licensing procedure</i>		
Add. essential requirements			
Freq. planning assumption	<i>ICAO Annexe 10, Volume I and Volume V</i>		
Planned changes			
Reference	<i>EN 60950</i> - <i>ICAO Annexe 10, Volume I</i>		<i>Electrical safety EMC Effective use of spectrum Additional essential requirements</i>
Remarks	<i>Coupled with 328.6 - 335.4 MHz</i>		
Notification number	<i>2007/351/L</i>		
Equipment class	<i>Class 2</i>		<i>ICAO Annexe 10, Volume I and Volume V</i>

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Aeronautical Radionavigation

ILS

Parameter	Description		Comment
	328.6 - 335.4 MHz		<i>This frequency range is managed by the frequency management group of ICAO</i>
	<i>Radiodetermination</i>		
	<i>Radionavigation</i>		
	<i>Aeronautical Radionavigation</i>		
	<i>Aeronautical</i>		
	<i>Aeronautical navigation</i>		<i>Ground equipment</i>
	<i>ILS</i>		<i>Localizer and Glidepath</i>
	Channel spacing	<i>50 kHz in VHF band 150 kHz in UHF band</i>	
	Designation of emission		<i>ICAO Annexe 10, Volume I ICAO Doc 7754</i>
	Modulation / Occupied bandwidth	<i>A3E</i>	
	Reference frequency		
	Output power	<i>According ICAO Annexe 10, Volume I</i>	
	Antenna Gain		
	Radiated power		
	Duty cycle		
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	<i>Individual licensing procedure</i>		
Add. essential requirements			
Freq. planning assumption	<i>ICAO Annexe 10, Volume I and Volume V</i>		
Planned changes			
Reference	<i>EN 60950 - ICAO Annexe 10, Volume I</i>		<i>Electrical safety EMC Effective use of spectrum Additional essential requirements</i>
Remarks	<i>Coupled with 108 - 111.975 MHz</i>		
Notification number	<i>2007/351/L</i>		
Equipment class	<i>Class 2</i>		<i>ICAO Annexe 10, Volume I and Volume V</i>

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Aeronautical Radionavigation

VOR

Parameter	Description		Comment
Frequency band	108 - 111.975 MHz		This frequency range is managed by the frequency management group of ICAO
Radio Service	<i>Radiodetermination</i> <i>Radionavigation</i> <i>Aeronautical Radionavigation</i>		
Application	<i>Aeronautical</i> <i>Aeronautical navigation</i> <i>VOR</i>		VHF Omnidirectional radio range (VOR) Doppler VOR (DVOR)
Channel / modulation	Channel spacing	50 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth	AM / FM	
	Reference frequency		
Transmit power / Power density	Output power	According ICAO Annexe 10, Volume I, chapter 3.3	
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle	100%	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Individual licensing procedure		
Add. essential requirements			
Freq. planning assumption	ICAO Annexe 10, Volume I and Volume V		
Planned changes			
Reference	EN 60950 EN 301 489-22 Eurocae ED 52		Electrical safety EMC Effective use of spectrum Additional essential requirements
Remarks	Coupled with 111.975 - 117.975 MHz		
Notification number	2007/351/L		
Equipment class	Class 2		ICAO Annexe 10, Volume I and Volume V

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Aeronautical Radionavigation

VOR

Parameter	Description	Comment
Frequency band	111.975 - 117.975 MHz	<i>This frequency range is managed by the frequency management group of ICAO</i>
Radio Service	<i>Radiodetermination</i> ----- <i>Radionavigation</i> ----- <i>Aeronautical Radionavigation</i>	
Application	<i>Aeronautical</i> ----- <i>Aeronautical navigation</i> ----- <i>VOR</i>	<i>VHF Omnidirectional radio range (VOR) Doppler VOR (DVOR)</i>
Channel / modulation	Channel spacing	<i>50 kHz</i>
	Designation of emission	
	Modulation / Occupied bandwidth	<i>AM / FM</i>
	Reference frequency	
Transmit power / Power density	Output power	<i>According ICAO Annexe 10, Volume I, chapter 3.3</i>
	Antenna Gain	
	Radiated power	
Channel access and occupation rules	Duty cycle	<i>100%</i>
	Access protocol	
	Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual licensing procedure</i>	
Add. essential requirements		
Freq. planning assumption	<i>ICAO Annexe 10, Volume I and Volume V</i>	
Planned changes		
Reference	<i>EN 60950</i> <i>EN 301 489-22</i> <i>Eurocae ED 52</i>	<i>Electrical safety</i> <i>EMC</i> <i>Effective use of spectrum</i> <i>Additional essential requirements</i>
Remarks	<i>Coupled with 108 - 111.975 MHz</i>	
Notification number	<i>2007/351/L</i>	
Equipment class	<i>Class 2</i>	<i>ICAO Annexe 10, Volume I and Volume V</i>

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Aeronautical Radionavigation

Beacons (aeronautical)

Parameter	Description		Comment
Frequency band	0.3 - 0.405 MHz		Frequency coordination by ICAO
Radio Service	Radiodetermination ----- Radionavigation ----- Aeronautical Radionavigation		
Application	Aeronautical ----- Aeronautical navigation ----- Beacons (aeronautical)		Non-directional beacons (NDB)
Channel / modulation	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth	A2A	
	Reference frequency		
Transmit power / Power density	Output power	According ICAO Annexe 10, Volume I	
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle	100%	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Individual licensing procedure		
Add. essential requirements			
Freq. planning assumption	ICAO Annexe 10, Volume I and Volume V		
Planned changes			
Reference	EN 60950 EN 55022 ICAO Annexe 10 Volume I		Electrical safety EMC Effective use of spectrum Additional requirements
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		ICAO Annexe 10, Volume I and Volume V

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Aeronautical Radionavigation

DME

Parameter	Description		Comment
Frequency band	960 - 1215 MHz		<i>This frequency range is managed by the frequency management group of ICAO</i>
Radio Service	<i>Radiodetermination</i> <i>Radionavigation</i> <i>Aeronautical Radionavigation</i>		
Application	<i>Aeronautical</i> <i>Aeronautical navigation</i> <i>DME</i>		<i>Distance Measuring Equipment</i>
Channel / modulation	Channel spacing	1 MHz	
	Designation of emission		
	Modulation / Occupied bandwidth	-	
	Reference frequency		
Transmit power / Power density	Output power	1 kW peak (en route transponder) 80 W peak DME/P	
	Antenna Gain	6dB	
	Radiated power		
Channel access and occupation rules	Duty cycle	ICAO Annexe 10, Volume I	
	Access protocol		
	Trans. capacity		
Direction / Separation	63 MHz		
Authorisation regime	<i>Individual licensing procedure</i>		
Add. essential requirements			
Freq. planning assumption	<i>ICAO Annexe 10, Volume I and Volume V</i>		
Planned changes			
Reference	<i>EN 60950</i> <i>EN 55022</i> <i>Eurocae ED57</i>		<i>Electrical safety</i> <i>EMC</i> <i>Effective use of spectrum</i> <i>Additional essential requirements</i>
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Aeronautical Surveillance

Emergency Locator Transmitter (ELT)

Parameter	Description		Comment
	242.95 - 243.05 MHz		
	<i>Mobile</i> ----- <i>Aeronautical Mobile</i> -----		
	<i>Aeronautical</i> ----- <i>Aeronautical surveillance</i> -----		<i>Emergency Locator Transmitter (ELT)</i>
	Channel spacing	-----	
	Designation of emission	---A3E---	
	Modulation / Occupied bandwidth	A3E	
	Reference frequency	243 MHz	
	Output power		
	Antenna Gain		
	Radiated power	100 mW e.i.r.p.	
	Duty cycle		
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime			
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>Eurocae ED-62</i>	<i>Minimum operational performance specification for Aircraft Emergency Locator Transmitter</i>	
Remarks	<i>Usage of Equipment</i>	<i>Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.</i>	
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Aeronautical Surveillance

Monopulse Secondary interrogator Radar

Parameter	Description		Comment
	1030 - 1090 MHz		Frequency allocated to Secondary Radars ICAO
	Radiodetermination ----- Radionavigation ----- Aeronautical Radionavigation		
	Aeronautical ----- Aeronautical surveillance -----		Airplane detection and ranging
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	2 kW peak	
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle	6%	
	Access protocol		
	Trans. capacity		
Direction / Separation	60%		
Authorisation regime	Individual licensing procedure		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 60950 EN 301 489-22 Eurocae ED52		Electrical safety EMC Effective use of spectrum Additional essential requirements
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		ICAO Annexe 10, Volume II and Volume V

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Aeronautical Surveillance

Monopulse Mode-S Secondary interrogator Radar

Parameter	Description		Comment
	1030 - 1090 MHz		Frequency allocated to Secondary Radars ICAO
	Radiodetermination ----- Radionavigation ----- Aeronautical Radionavigation		
	Aeronautical ----- Aeronautical surveillance -----		Airplane detection and ranging Mode-S
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	2 kW peak	
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle	66%	
	Access protocol		
	Trans. capacity		
Direction / Separation	60 MHz		
Authorisation regime	Individual licensing procedure		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 60950 EN 301 489-22 Eurocae ED52		Electrical safety EMC Effective use of spectrum Additional essential requirements
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		ICAO Annexe 10, Volume II, Volume V and Eurocontro

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Aeronautical Surveillance

Mode-S test interrogator

Parameter	Description		Comment
	1030 - 1090 MHz		Frequency allocated to Secondary Radars ICAO
	Radiodetermination ----- Radionavigation ----- Aeronautical Radionavigation		
	Aeronautical ----- Aeronautical surveillance -----		Monitoring of Mode-S equipments
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	1 W peak	
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle	1%	
	Access protocol		
	Trans. capacity		
Direction / Separation	60 MHz		
Authorisation regime	Individual licensing procedure		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 60950 EN 301 489-22 Eurocae ED57 E061-04-1234TD		Electrical safety EMC Effective use of spectrum Additional essential requirements
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		ICAO Annexe 10 Volume II and Eurocontrol specifica

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Aeronautical Surveillance

Primary surveillance Radar

Parameter	Description		Comment
	2700 - 2900 MHz		Frequency allocated to Primary Radar ICAO
	Radiodetermination		
	Radionavigation		
	Aeronautical Radionavigation		
	Aeronautical		
	Aeronautical surveillance		Airplane detection and ranging PSR
	Primary radar		
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	Output power	(1) 1 MW pulse (2) 18kW pulse compression	
	Antenna Gain	ICAO Annexe 10, Volume II	
	Radiated power		
Channel access and occupation rules	Duty cycle	(1) 0.18% (2) 1.1%	
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Individual licensing procedure		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 60950 EN 55022 Eurocae ED57		Electrical safety EMC Effective use of spectrum Additional essential requirements
Remarks			
Notification number	2007/351/L		
Equipment class	Class 2		ICAO Annexe 10, Volume II and Volume V

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Aeronautical Surveillance

A-SMGCS

Parameter	Description		Comment
	9000 - 9200 MHz		
	Radiodetermination		
	Radionavigation		
	Aeronautical Radionavigation		
	Aeronautical		
	Aeronautical surveillance		Advanced Surface Movement Guidance and Control System
	Channel spacing		
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
	Output power	<= 50 dBW (PEP)	
	Antenna Gain		
	Radiated power		
	Duty cycle		
	Access protocol		
	Trans. capacity		
Direction / Separation			
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption	Limits for Out-of-band and spurious emissions according to EN 303 213-6 apply.		
Planned changes			
Reference	EN 303 213		
Remarks			
Notification number	2015/12/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
- Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Aeronautical Surveillance

ADS

Parameter	Description	Comment
	<i>1030 - 1090 MHz</i>	
	<i>Radiodetermination</i> ----- <i>Radionavigation</i> ----- <i>Aeronautical Radionavigation</i>	
	<i>Aeronautical</i> ----- <i>Aeronautical surveillance</i> ----- <i>ADS</i>	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	<i>Individual licensing regime</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EUROCAE ED117</i>	
Remarks		
Notification number	<i>2010/378/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Maritime equipment

Parameter	Description		Comment
	0.518 - 0.518 MHz		
	<i>Mobile</i> ----- <i>Maritime Mobile</i> -----		
	<i>Maritime</i> ----- <i>GMDSS</i> ----- <i>NAVTEX</i>		<i>Navtex equipment.</i> <i>No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.</i>
	Channel spacing	<i>not defined</i>	
	Designation of emission	<i>---F1B--</i>	
	Modulation / Occupied bandwidth	<i>F1B</i>	
	Reference frequency	<i>518 kHz</i>	
	Output power		
	Antenna Gain		
	Radiated power		
	Duty cycle		
	Access protocol		
	Trans. capacity		
Direction / Separation	<i>not defined</i>		
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements	<i>Decision 2013/638/EU</i>		
Freq. planning assumption	<i>ITU Regulations</i>		
Planned changes			
Reference	<i>EN 300 065</i>		
Remarks	<i>Usage of Equipment</i>		<i>Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.</i>
Notification number	<i>2007/351/L</i>		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Maritime equipment

Parameter	Description		Comment
	1.605 - 4 MHz		
	<i>Mobile</i> ----- <i>Maritime Mobile</i> ----- <i>Maritime Mobile (distress and safety)</i>		<i>Usage for radio telephony and digital selective calling (DSC)</i>
	<i>Maritime</i> ----- <i>GMDSS</i> -----		<i>Fixed MF/HF equipment on board of ship stations. No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.</i>
	Channel spacing		
	Designation of emission		<i>J3E for telephony</i>
	Modulation / Occupied bandwidth	<i>J3E;J2B;F1B</i>	<i>J2B for DSC</i>
	Reference frequency		<i>F1B</i>
	Output power	<i>400 W</i>	
	Antenna Gain		
	Radiated power		
	Duty cycle		
	Access protocol		
	Trans. capacity		
Direction / Separation	<i>not defined</i>		
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements	<i>Decision 2013/638/EU</i>		
Freq. planning assumption	<i>ITU Regulations</i>		
Planned changes			
Reference	<i>ETS 300 373; EN 300 338</i>		
Remarks	<i>Usage of Equipment</i>		<i>Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.</i>
Notification number	<i>2007/351/L</i>		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Maritime equipment

Parameter	Description		Comment
	1.605 - 4 MHz		
	<i>Mobile</i> ----- <i>Maritime Mobile</i> ----- <i>Maritime Mobile (distress and safety)</i>		<i>Usage for radiotelex and narrow-band direct printing (NBDP)</i>
	<i>Maritime</i> ----- <i>GMDSS</i> -----		<i>Fixed MF/HF equipment on board of ship stations. No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.</i>
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	----- ----- <i>F1B, J2B</i> -----	<i>F1B, J2B for radiotelex</i>
	Output power ----- Antenna Gain ----- Radiated power	----- ----- <i>400 W</i> -----	
	Duty cycle ----- Access protocol ----- Trans. capacity	----- ----- -----	
Direction / Separation	<i>not defined</i>		
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements	<i>Decision 2013/638/EU</i>		
Freq. planning assumption	<i>ITU Regulations</i>		
Planned changes			
Reference	<i>ETS 300 373</i>		
Remarks	<i>Usage of Equipment</i>		<i>Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.</i>
Notification number	<i>2007/351/L</i>		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Maritime equipment

Parameter	Description		Comment
	4 - 27.5 MHz		
	<i>Mobile</i> ----- <i>Maritime Mobile</i> ----- <i>Maritime Mobile (distress and safety)</i>		<i>Usage for radio telephony and digital selective calling (DSC)</i>
	<i>Maritime</i> ----- <i>GMDSS</i> -----		<i>Fixed HF equipment on board of ship stations. No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.</i>
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	 <i>J3E;J2B;F1B</i>	 <i>J3E for telephony J2B for DSC F1B</i>
	Output power ----- Antenna Gain ----- Radiated power	 <i>1 500 W</i>	
	Duty cycle ----- Access protocol ----- Trans. capacity	 	
Direction / Separation	<i>not defined</i>		
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements	<i>Decision 2013/638/EU</i>		
Freq. planning assumption	<i>ITU Regulations</i>		
Planned changes			
Reference	<i>ETS 300 373; EN 300 338</i>		
Remarks	<i>Usage of Equipment</i>		<i>Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.</i>
Notification number	<i>2007/351/L</i>		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Maritime equipment

Parameter	Description		Comment
	4 - 27.5 MHz		
	<i>Mobile</i> ----- <i>Maritime Mobile</i> ----- <i>Maritime Mobile (distress and safety)</i>		<i>Usage for radiotelex and narrow-band direct printing (NBDP)</i>
	<i>Maritime</i> ----- <i>GMDSS</i> -----		<i>Fixed HF equipment on board of ship stations. No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.</i>
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	<i>F1B, J2B</i>	<i>F1B, J2B for radiotelex</i>
	Output power ----- Antenna Gain ----- Radiated power	<i>1 500 W</i>	
	Duty cycle ----- Access protocol ----- Trans. capacity		
Direction / Separation	<i>not defined</i>		
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements	<i>Decision 2013/638/EU</i>		
Freq. planning assumption	<i>ITU Regulations</i>		
Planned changes			
Reference	<i>ETS 300 373</i>		
Remarks	<i>Usage of Equipment</i>		<i>Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.</i>
Notification number	<i>2007/351/L</i>		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Maritime equipment

Parameter	Description		Comment
	156 - 163 MHz		
	<i>Mobile</i> ----- <i>Maritime Mobile</i> ----- <i>Maritime Mobile (distress and safety)</i>		
	<i>Maritime</i> ----- <i>GMDSS</i> -----		<i>Survival craft portable VHF radiotelephone apparatus.</i> <i>No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.</i>
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	25 kHz ----- 16K0G3E-- ----- G3E -----	----- ----- G3E for telephony -----
	Output power ----- Antenna Gain ----- Radiated power	1 W; 6W ----- ----- -----	
	Duty cycle ----- Access protocol ----- Trans. capacity	----- ----- -----	
Direction / Separation	4.6 MHz		
Authorisation regime	Individual licensing		
Add. essential requirements	Decision 2013/638/EU Decision 2000/637/EC (ATIS/AIS)		<i>Application of Article 3(3)(e) of Directive 1999/5/EC to radio equipment covered by the regional arrangement concerning the radiotelephone service on inland waterways.</i>
Freq. planning assumption	ITU App.18		
Planned changes			
Reference	ETS 300 225		
Remarks	Usage of Equipment		<i>Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.</i>
Notification number	2008/338/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Maritime equipment

Parameter	Description	Comment
	156 - 163 MHz	
	Mobile ----- Maritime Mobile ----- Maritime Mobile (distress and safety)	
	Maritime ----- GMDSS	Fixed VHF equipment on board of ship stations No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.
	Channel spacing 25 kHz ----- Designation of emission 16K0G3E-- ----- Modulation / Occupied bandwidth G3E ----- Reference frequency	
	Output power 1 W; 25 W ----- Antenna Gain ----- Radiated power max 25 W e.r.p.	25 W, but with possibility to be reduced to max. 1 W (manually).
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	4.6 MHz	Part of the band is simplex
Authorisation regime	Individual licensing	
Add. essential requirements	Decision 2013/638/EU	
Freq. planning assumption	ITU App.18	
Planned changes		
Reference	EN 301 466; EN 300 162	
Remarks	Usage of Equipment	Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.
Notification number	2008/338/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Maritime equipment

Parameter	Description	Comment
	156 - 163 MHz	
	Mobile ----- Maritime Mobile ----- Maritime Mobile (distress and safety)	
	Maritime ----- GMDSS ----- DSC	Fixed VHF equipment on board of ship stations with DSC Class D on ch 70. No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.
	Channel spacing 25 kHz ----- Designation of emission 16K0G2B-- ----- Modulation / Occupied bandwidth G2B ----- Reference frequency	G2B for DSC usage on ch70
	Output power 1 W; 25 W ----- Antenna Gain ----- Radiated power max 25 W e.r.p.	25 W, but with possibility to be reduced to max. 1 W (manually).
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	4.6 MHz	Part of the band is simplex
Authorisation regime	Individual licensing	
Add. essential requirements	Decision 2013/638/EU	
Freq. planning assumption	ITU App.18	
Planned changes		
Reference	EN 301 025; EN 300 338; IEC 62238	
Remarks	Usage of Equipment	Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.
Notification number	2008/338/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Maritime equipment

Parameter	Description	Comment
	156 - 163 MHz	
	Mobile ----- Maritime Mobile ----- Maritime Mobile (distress, safety and calling)	
	Maritime ----- GMDSS ----- DSC	Handheld VHF equipment on board of ship stations with DSC Class D on ch 70. No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.
	Channel spacing 25 kHz ----- Designation of emission 16K0G2B-- ----- Modulation / Occupied bandwidth FSK/16kHz ----- Reference frequency	G2B for DSC usage on ch70
	Output power max 6W ----- Antenna Gain ----- Radiated power	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	4.6 MHz	Part of the band is simplex
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	ITU App.18	
Planned changes		
Reference	EN 302 885	
Remarks	Usage of Equipment	Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.
Notification number	2013/632/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Maritime equipment

Parameter	Description	Comment
	156 - 163 MHz	
	Mobile ----- Maritime Mobile -----	
	Maritime ----- Maritime communications ----- On-board communications	Portable VHF equipment on board of ship station (maritime and Inland waterways). Inland waterways: * Usage limited to the channels 15 and/or 17 (on board communications). * ATIS should be encoded.
	Channel spacing 25 kHz ----- Designation of emission 16K0G3E-- ----- Modulation / Occupied bandwidth G3E ----- Reference frequency	
	Output power 0.1 - 1 W; 1 W; 6 W ----- Antenna Gain ----- Radiated power	Maritime: 6 W, but with possibility to be reduced to max. 1 W. Inland waterways: 0.1 - 1 W
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	4.6 MHz	Part of the band is simplex
Authorisation regime	Individual licensing	
Add. essential requirements	Decision 2000/637/EC (ATIS)	Application of Article 3(3)(e) of Directive 1999/5/EC to radio equipment covered by the regional arrangement concerning the radiocommunications services on inland waterways.
Freq. planning assumption	ITU App.18 Rainwat Arrangment 2012	
Planned changes		
Reference	EN 301 178; EN 300 698	
Remarks	Usage of Equipment	Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.
Notification number	2008/338/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Maritime equipment

Parameter	Description	Comment
	156 - 163 MHz	
	Mobile ----- Maritime Mobile -----	
	Maritime ----- Maritime communications ----- Inland waterway communications	Fixed VHF equipment on board of ship stations (maritime and Inland waterways).
	Channel spacing 25 kHz ----- Designation of emission 16K0G3E-- ----- Modulation / Occupied bandwidth G3E ----- Reference frequency	
	Output power 1 W; 25 W ----- Antenna Gain ----- Radiated power max 25 W e.r.p.	25 W, but with possibility to be reduced to max. 1 W (manually and automatically).
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	4.6 MHz	Part of the band is simplex
Authorisation regime	Individual licensing	
Add. essential requirements	Decision 2000/637/EC (ATIS)	Application of Article 3(3)(e) of Directive 1999/5/EC to radio equipment covered by the regional arrangement concerning the radiocommunications services on inland waterways.
Freq. planning assumption	ITU App.18, Rainwat Arrangement 2012	
Planned changes		
Reference	EN 300 698	
Remarks	Usage of Equipment	Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.
Notification number	2008/338/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Maritime equipment

Parameter	Description	Comment
	156 - 163 MHz	
	Mobile ----- Maritime Mobile ----- Maritime Mobile (distress and safety)	
	Maritime ----- Maritime communications ----- Inland waterway communications	VHF coast station for inland waterways
	Channel spacing 25 kHz; 12.5 kHz ----- Designation of emission G3E ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power as defined by ETSI standard ----- Antenna Gain ----- Radiated power as defined by ETSI standard	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	4.6 MHz	Part of the band is simplex
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes	ITU App.18, Rainwat Arrangement 2012	
Reference	EN 301 929	
Remarks	Usage of Equipment	Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.
Notification number	2013/632/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Maritime equipment

Parameter	Description		Comment
Frequency band	161.975 - 161.975 MHz		AIS1
Radio Service	<i>Mobile</i> ----- <i>Maritime Mobile</i> -----		
Application	<i>Maritime</i> ----- <i>Maritime communications</i> ----- <i>AIS</i>		RIS (River Information Services) for Inland waterways
Channel / modulation	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	25 kHz GMSK/FM	
Transmit power / Power density	Output power ----- Antenna Gain ----- Radiated power	----- 12.5W max	
Channel access and occupation rules	Duty cycle ----- Access protocol ----- Trans. capacity	----- TDMA -----	
Direction / Separation			
Authorisation regime	Licence is necessary as well as attribution of an MMSI number		
Add. essential requirements	For radio equipment intending to participate in AIS, Commission Decision 2005/53/EC applies.		
Freq. planning assumption	according to ITU channeling and CEPT/ERC/DEC(99)17 Rainwat Arrangement 2012		
Planned changes			
Reference	IEC62287, IEC 62320, ITU-R M.1371		
Remarks	see comment		For radio equipment intending to participate in RIS (River Information services), the directive 2005/44/EC (RIS directive) applies.
Notification number	2009/0375/L		
Equipment class			

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Maritime equipment

Parameter	Description		Comment
Frequency band	162.025 - 162.025 MHz		AIS2
Radio Service	<i>Mobile</i> ----- <i>Maritime Mobile</i> -----		
Application	<i>Maritime</i> ----- <i>Maritime communications</i> ----- <i>AIS</i>		<i>RIS (River Information Services) for Inland waterways</i>
Channel / modulation	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	25 kHz GMSK/FM	
Transmit power / Power density	Output power ----- Antenna Gain ----- Radiated power	----- 12.5W max	
Channel access and occupation rules	Duty cycle ----- Access protocol ----- Trans. capacity	----- TDMA -----	
Direction / Separation			
Authorisation regime	<i>Licence is necessary as well as attribution of an MMSI number</i>		
Add. essential requirements	<i>For radio equipment intending to participate in AIS, Commission Decision 2005/53/EC applies.</i>		
Freq. planning assumption	<i>according to ITU channeling and CEPT/ERC/DEC(99)17 Rainwat Arrangement 2012</i>		
Planned changes			
Reference	<i>IEC62287, IEC 62320, ITU-R M.1371</i>		
Remarks	<i>see comment</i>	<i>For radio equipment intending to participate in RIS (River Information services), the directive 2005/44/EC (RIS directive) applies.</i>	
Notification number	<i>2009/0375/L</i>		
Equipment class			

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Maritime equipment

Parameter	Description	Comment
	457.5125 - 467.5875 MHz	
	Mobile ----- Maritime Mobile -----	
	Maritime ----- Maritime communications ----- On-board communications	Portable UHF equipment. No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	12.5 kHz, 25 kHz 16K0G3E-- 8K00G3E-- G3E
	Output power ----- Antenna Gain ----- Radiated power	Maritime: 0.4 - 2 W
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	10 MHz	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	ITU Regulations	
Planned changes		
Reference	EN 300 720	
Remarks	Usage of Equipment	Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.
Notification number	2013/216/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Maritime equipment

Parameter	Description	Comment
	2900 - 3100 MHz	
	Radiodetermination ----- Radionavigation ----- Maritime Radionavigation (radiobeacons)	
	Maritime ----- Maritime navigation ----- Maritime radar	s-band maritime radar equipment
	Channel spacing <i>not defined</i> ----- Designation of emission <i>---P0N--</i> ----- Modulation / Occupied bandwidth <i>P0N</i> ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power <i>max. 32 MW e.i.r.p. peak</i>	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	<i>not defined</i>	
Authorisation regime	<i>Individual licensing</i>	
Add. essential requirements		
Freq. planning assumption	<i>ITU Regulations</i>	
Planned changes		
Reference	<i>IEC 62388, EN 60945, EN 62252, EN 60936</i>	
Remarks		
Notification number	<i>2009/0375/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Maritime equipment

Parameter	Description		Comment
	9200 - 9500 MHz		
	Radiodetermination ----- Radiolocation -----		
	Maritime ----- GMDSS -----		SART equipment. No application on the territory of Luxembourg, but on ships navigating in maritime waters under the flag of Luxembourg.
	Channel spacing	not defined	
	Designation of emission	---P0N--	
	Modulation / Occupied bandwidth	P0N	
	Reference frequency		
	Output power	> 400 mW (+26 dBm)	
	Antenna Gain		
	Radiated power		
	Duty cycle		
	Access protocol		
	Trans. capacity		
Direction / Separation	not defined		
Authorisation regime	Individual licensing		
Add. essential requirements	Decision 2013/638/EU		
Freq. planning assumption	ITU Regulations		
Planned changes			
Reference	IEC 1097-1, EN 302 248		
Remarks	Usage of Equipment		Equipment may be operated only by a person in possession of a radio operator's certificate, valid for the appropriate equipment class.
Notification number	2007/351/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Maritime equipment

Parameter	Description	Comment
	9320 - 9500 MHz	
	Radiodetermination ----- Radionavigation ----- Maritime Radionavigation (radiobeacons)	
	Maritime ----- Maritime navigation ----- Maritime radar	x-band radar equipment (maritime + inland waterways).
	Channel spacing not defined ----- Designation of emission ---P0N-- ----- Modulation / Occupied bandwidth P0N ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power max. 10/100 MW e.i.r.p. peak	* max 100 MW eirp peak for maritime radars * max 10 MW eirp peak for inland waterway radars
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	not defined	
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption	ITU Regulations Rainwat Arrangement 2012	
Planned changes		
Reference	IEC 62388, EN 302 194, EN 302 248, EN 60945, EN 62252, EN 60936	
Remarks		
Notification number	2008/338/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	1350 - 1375 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	This band is foreseen for point-to-point fixed links applications.
Channel / modulation	Channel spacing	25 kHz; 75 kHz; 250 kHz; 500 kHz; 1 MHz; 2 MHz; 3.5 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital at least 4 states modulation
	Reference frequency	1 433.5 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	142 MHz	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ERC REC T/R 13-01	
Planned changes		
Reference	EN 300 454; EN 302 217	
Remarks	Coupled with 1492 - 1517 MHz	
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description		Comment
Frequency band	1492 - 1517 MHz		
Radio Service	Fixed		
Application	Fixed Point-to-Point		This band is foreseen for point-to-point fixed links applications.
Channel / modulation	Channel spacing	25 kHz; 75 kHz; 250 kHz; 500 kHz; 1 MHz; 2 MHz; 3.5 MHz	
	Designation of emission		
	Modulation / Occupied bandwidth	digital at least 4 states modulation	
	Reference frequency	1 433.5 MHz	
Transmit power / Power density	Output power	as defined by the ETSI standard	
	Antenna Gain	as defined by the ETSI standard	
	Radiated power		
Channel access and occupation rules	Duty cycle		
	Access protocol		
	Trans. capacity	as defined by the ETSI standard	
Direction / Separation	142 MHz		
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)		
Add. essential requirements			
Freq. planning assumption	ERC REC T/R 13-01		
Planned changes			
Reference	EN 300 454; EN 302 217		
Remarks	Coupled with 1350 - 1375 MHz		
Notification number	2011/466/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	1375 - 1400 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	This band is foreseen for point-to-point fixed links applications.
Channel / modulation	Channel spacing	25 kHz, 75 kHz, 250 kHz, 500 kHz; 1MHz; 2 MHz; 3.5 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital at least 4 states modulation
	Reference frequency	1 413.5 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	52 MHz	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ERC REC T/R 13-01	
Planned changes		
Reference	EN 300 454; EN 302 217	
Remarks	Coupled with 1427 - 1452 MHz	
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	1427 - 1452 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	This band is foreseen for point-to-point fixed links applications.
Channel / modulation	Channel spacing	25 kHz, 75 kHz, 250 kHz, 500 kHz; 1MHz; 2 MHz; 3.5 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital at least 4 states modulation
	Reference frequency	1 413.5 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	52 MHz	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ERC REC T/R 13-01	
Planned changes		
Reference	EN 300 454; EN 302 217	
Remarks	Coupled with 1375 - 1400 MHz	
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	5925 - 6425 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	
Channel / modulation	Channel spacing	29.65 MHz, 59.3 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital at least 4 states modulation
	Reference frequency	6 175 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	252.04 MHz	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ERC REC 14-01	
Planned changes		
Reference	EN 302 217	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	6425 - 7125 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	
Channel / modulation	Channel spacing	3.5, 7, 14, 20, 30, 40, 60, 80 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital at least 16 states modulation
	Reference frequency	6 770 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	340 MHz	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ERC REC 14-02	
Planned changes		
Reference	EN 302 217	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	7125 - 7425 MHz									
Radio Service	Fixed									
Application	Fixed Point-to-Point									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>digital at least 4 states modulation</td> </tr> <tr> <td>Reference frequency</td> <td>7 275 MHz</td> </tr> </table>	Channel spacing	1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz	Designation of emission		Modulation / Occupied bandwidth	digital at least 4 states modulation	Reference frequency	7 275 MHz	
Channel spacing	1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz									
Designation of emission										
Modulation / Occupied bandwidth	digital at least 4 states modulation									
Reference frequency	7 275 MHz									
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td>Antenna Gain</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	as defined by the ETSI standard	Antenna Gain	as defined by the ETSI standard	Radiated power				
Output power	as defined by the ETSI standard									
Antenna Gain	as defined by the ETSI standard									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td>as defined by the ETSI standard</td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	as defined by the ETSI standard			
Duty cycle										
Access protocol										
Trans. capacity	as defined by the ETSI standard									
Direction / Separation	154 MHz									
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)									
Add. essential requirements										
Freq. planning assumption	ECC REC 02-06									
Planned changes										
Reference	EN 302 217									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	7425 - 7725 MHz									
Radio Service	Fixed									
Application	Fixed Point-to-Point									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Channel spacing</td> <td>1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz</td> </tr> <tr> <td style="text-align: center;">Designation of emission</td> <td></td> </tr> <tr> <td style="text-align: center;">Modulation / Occupied bandwidth</td> <td>digital at least 4 states modulation</td> </tr> <tr> <td style="text-align: center;">Reference frequency</td> <td>7 575 MHz</td> </tr> </table>	Channel spacing	1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz	Designation of emission		Modulation / Occupied bandwidth	digital at least 4 states modulation	Reference frequency	7 575 MHz	
Channel spacing	1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz									
Designation of emission										
Modulation / Occupied bandwidth	digital at least 4 states modulation									
Reference frequency	7 575 MHz									
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Output power</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td style="text-align: center;">Antenna Gain</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td style="text-align: center;">Radiated power</td> <td></td> </tr> </table>	Output power	as defined by the ETSI standard	Antenna Gain	as defined by the ETSI standard	Radiated power				
Output power	as defined by the ETSI standard									
Antenna Gain	as defined by the ETSI standard									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Duty cycle</td> <td></td> </tr> <tr> <td style="text-align: center;">Access protocol</td> <td></td> </tr> <tr> <td style="text-align: center;">Trans. capacity</td> <td>as defined by the ETSI standard</td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	as defined by the ETSI standard			
Duty cycle										
Access protocol										
Trans. capacity	as defined by the ETSI standard									
Direction / Separation	154 MHz									
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)									
Add. essential requirements										
Freq. planning assumption	ECC REC 02-06 ITU REC F.385-9									
Planned changes										
Reference	EN 302 217									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	7725 - 8275 MHz									
Radio Service	Fixed									
Application	Fixed Point-to-Point									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>7, 14, 28 MHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>digital at least 4 states modulation</td> </tr> <tr> <td>Reference frequency</td> <td>8 000 MHz</td> </tr> </table>	Channel spacing	7, 14, 28 MHz	Designation of emission		Modulation / Occupied bandwidth	digital at least 4 states modulation	Reference frequency	8 000 MHz	
Channel spacing	7, 14, 28 MHz									
Designation of emission										
Modulation / Occupied bandwidth	digital at least 4 states modulation									
Reference frequency	8 000 MHz									
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td>Antenna Gain</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	as defined by the ETSI standard	Antenna Gain	as defined by the ETSI standard	Radiated power				
Output power	as defined by the ETSI standard									
Antenna Gain	as defined by the ETSI standard									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td>as defined by the ETSI standard</td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	as defined by the ETSI standard			
Duty cycle										
Access protocol										
Trans. capacity	as defined by the ETSI standard									
Direction / Separation	283.5 MHz									
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)									
Add. essential requirements										
Freq. planning assumption	ITU REC. F.386-8, ECC/REC(02)06									
Planned changes										
Reference	EN 302 217									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	8275 - 8500 MHz									
Radio Service	Fixed									
Application	Fixed Point-to-Point									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>14 MHz; 28 MHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>digital at least 4 states modulation</td> </tr> <tr> <td>Reference frequency</td> <td>8 387.5 MHz</td> </tr> </table>	Channel spacing	14 MHz; 28 MHz	Designation of emission		Modulation / Occupied bandwidth	digital at least 4 states modulation	Reference frequency	8 387.5 MHz	
Channel spacing	14 MHz; 28 MHz									
Designation of emission										
Modulation / Occupied bandwidth	digital at least 4 states modulation									
Reference frequency	8 387.5 MHz									
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td>Antenna Gain</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	as defined by the ETSI standard	Antenna Gain	as defined by the ETSI standard	Radiated power				
Output power	as defined by the ETSI standard									
Antenna Gain	as defined by the ETSI standard									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td>as defined by the ETSI standard</td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	as defined by the ETSI standard			
Duty cycle										
Access protocol										
Trans. capacity	as defined by the ETSI standard									
Direction / Separation	119 MHz; 126 MHz									
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)									
Add. essential requirements										
Freq. planning assumption	ECC REC (02)06 ITU REC. F.386-8									
Planned changes										
Reference	EN 302 217									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	10150 - 10680 MHz									
Radio Service	Fixed									
Application	Fixed Point-to-Point									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Channel spacing</td> <td>3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz</td> </tr> <tr> <td style="text-align: center;">Designation of emission</td> <td></td> </tr> <tr> <td style="text-align: center;">Modulation / Occupied bandwidth</td> <td>digital at least 4 states modulation</td> </tr> <tr> <td style="text-align: center;">Reference frequency</td> <td>11 701 MHz</td> </tr> </table>	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz	Designation of emission		Modulation / Occupied bandwidth	digital at least 4 states modulation	Reference frequency	11 701 MHz	
Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz									
Designation of emission										
Modulation / Occupied bandwidth	digital at least 4 states modulation									
Reference frequency	11 701 MHz									
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Output power</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td style="text-align: center;">Antenna Gain</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td style="text-align: center;">Radiated power</td> <td></td> </tr> </table>	Output power	as defined by the ETSI standard	Antenna Gain	as defined by the ETSI standard	Radiated power				
Output power	as defined by the ETSI standard									
Antenna Gain	as defined by the ETSI standard									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Duty cycle</td> <td></td> </tr> <tr> <td style="text-align: center;">Access protocol</td> <td></td> </tr> <tr> <td style="text-align: center;">Trans. capacity</td> <td>as defined by the ETSI standard</td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	as defined by the ETSI standard			
Duty cycle										
Access protocol										
Trans. capacity	as defined by the ETSI standard									
Direction / Separation	350 MHz									
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)									
Add. essential requirements										
Freq. planning assumption	ERC REC 12-05									
Planned changes										
Reference	EN 302 217									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	12750 - 13250 MHz									
Radio Service	Fixed									
Application	Fixed Point-to-Point									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Channel spacing</td> <td>1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz</td> </tr> <tr> <td style="text-align: center;">Designation of emission</td> <td></td> </tr> <tr> <td style="text-align: center;">Modulation / Occupied bandwidth</td> <td>digital at least 4 states modulation</td> </tr> <tr> <td style="text-align: center;">Reference frequency</td> <td>12 996 MHz</td> </tr> </table>	Channel spacing	1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz	Designation of emission		Modulation / Occupied bandwidth	digital at least 4 states modulation	Reference frequency	12 996 MHz	
Channel spacing	1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz									
Designation of emission										
Modulation / Occupied bandwidth	digital at least 4 states modulation									
Reference frequency	12 996 MHz									
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Output power</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td style="text-align: center;">Antenna Gain</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td style="text-align: center;">Radiated power</td> <td></td> </tr> </table>	Output power	as defined by the ETSI standard	Antenna Gain	as defined by the ETSI standard	Radiated power				
Output power	as defined by the ETSI standard									
Antenna Gain	as defined by the ETSI standard									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Duty cycle</td> <td></td> </tr> <tr> <td style="text-align: center;">Access protocol</td> <td></td> </tr> <tr> <td style="text-align: center;">Trans. capacity</td> <td>as defined by the ETSI standard</td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	as defined by the ETSI standard			
Duty cycle										
Access protocol										
Trans. capacity	as defined by the ETSI standard									
Direction / Separation	266 MHz									
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)									
Add. essential requirements										
Freq. planning assumption	ERC REC 12-02									
Planned changes										
Reference	302 217									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	14500 - 14620 MHz	Harmonised NATO band
Radio Service	Fixed	
Application	Fixed Point-to-Point	
Channel / modulation	Channel spacing	1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital at least 4 states modulation
	Reference frequency	14 924 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	728 MHz	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ERC REC 12-07	
Planned changes		
Reference	EN 302 217	
Remarks	Coupled with 15.23 - 15.35 GHz	
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	15230 - 15350 MHz	Harmonised NATO band								
Radio Service	Fixed									
Application	Fixed Point-to-Point									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Channel spacing</td> <td>1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz</td> </tr> <tr> <td style="text-align: center;">Designation of emission</td> <td></td> </tr> <tr> <td style="text-align: center;">Modulation / Occupied bandwidth</td> <td>digital at least 4 states modulation</td> </tr> <tr> <td style="text-align: center;">Reference frequency</td> <td>14 924 MHz</td> </tr> </table>	Channel spacing	1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz	Designation of emission		Modulation / Occupied bandwidth	digital at least 4 states modulation	Reference frequency	14 924 MHz	
Channel spacing	1.75 MHz; 3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz									
Designation of emission										
Modulation / Occupied bandwidth	digital at least 4 states modulation									
Reference frequency	14 924 MHz									
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Output power</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td style="text-align: center;">Antenna Gain</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td style="text-align: center;">Radiated power</td> <td></td> </tr> </table>	Output power	as defined by the ETSI standard	Antenna Gain	as defined by the ETSI standard	Radiated power				
Output power	as defined by the ETSI standard									
Antenna Gain	as defined by the ETSI standard									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Duty cycle</td> <td></td> </tr> <tr> <td style="text-align: center;">Access protocol</td> <td></td> </tr> <tr> <td style="text-align: center;">Trans. capacity</td> <td>as defined by the ETSI standard</td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	as defined by the ETSI standard			
Duty cycle										
Access protocol										
Trans. capacity	as defined by the ETSI standard									
Direction / Separation	728 MHz									
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)									
Add. essential requirements										
Freq. planning assumption	ERC REC 12-07									
Planned changes										
Reference	EN 302 217									
Remarks	Coupled with 14.5 - 14.62 GHz									
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description		Comment
Frequency band	17700 - 19700 MHz		
Radio Service	Fixed		
Application	Fixed Point-to-Point		Application only if sharing according to DEC (00)07 is possible. Interoperator agreement necessary.
Channel / modulation	Channel spacing	3.5 MHz; 7 MHz; 13.75 MHz; 27.5 MHz; 55 MHz; 110 MHz	
	Designation of emission		
	Modulation / Occupied bandwidth	digital at least 4 states modulation	
	Reference frequency	18 700 MHz	
Transmit power / Power density	Output power	as defined by the ETSI standard	
	Antenna Gain	as defined by the ETSI standard	
	Radiated power		
Channel access and occupation rules	Duty cycle		
	Access protocol		
	Trans. capacity	as defined by the ETSI standard	
Direction / Separation	1 010 MHz		
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)		
Add. essential requirements			
Freq. planning assumption	ERC REC 12-03 ITU REC F.595-10		
Planned changes			
Reference	EN 302 217		
Remarks			
Notification number	2011/466/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	22000 - 22600 MHz									
Radio Service	<i>Fixed</i>									
Application	<i>Fixed</i> <i>Point-to-Point</i>									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td><i>digital</i> <i>at least 4 states modulation</i></td> </tr> <tr> <td>Reference frequency</td> <td>21 196 MHz</td> </tr> </table>	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz	Designation of emission		Modulation / Occupied bandwidth	<i>digital</i> <i>at least 4 states modulation</i>	Reference frequency	21 196 MHz	
Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz									
Designation of emission										
Modulation / Occupied bandwidth	<i>digital</i> <i>at least 4 states modulation</i>									
Reference frequency	21 196 MHz									
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td><i>as defined by the ETSI standard</i></td> </tr> <tr> <td>Antenna Gain</td> <td><i>as defined by the ETSI standard</i></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	<i>as defined by the ETSI standard</i>	Antenna Gain	<i>as defined by the ETSI standard</i>	Radiated power				
Output power	<i>as defined by the ETSI standard</i>									
Antenna Gain	<i>as defined by the ETSI standard</i>									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td><i>as defined by the ETSI standard</i></td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	<i>as defined by the ETSI standard</i>			
Duty cycle										
Access protocol										
Trans. capacity	<i>as defined by the ETSI standard</i>									
Direction / Separation	1 008 MHz									
Authorisation regime	<i>Individual licensing</i> <i>(bloc frequency assignment, individual frequency assignment)</i>									
Add. essential requirements										
Freq. planning assumption	ERC REC T/R 13-02									
Planned changes										
Reference	EN 302 217									
Remarks	<i>Coupled with 23 - 23.6 GHz</i>									
Notification number	2011/466/L									
Equipment class	<i>Class 2</i>									

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description		Comment
Frequency band	23000 - 23600 MHz		
Radio Service	<i>Fixed</i>		
Application	<i>Fixed</i> <i>Point-to-Point</i>		
Channel / modulation	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz	
	Designation of emission		
	Modulation / Occupied bandwidth	<i>digital</i> <i>at least 4 states modulation</i>	
	Reference frequency	21 196 MHz	
Transmit power / Power density	Output power	<i>as defined by the ETSI standard</i>	
	Antenna Gain	<i>as defined by the ETSI standard</i>	
	Radiated power		
Channel access and occupation rules	Duty cycle		
	Access protocol		
	Trans. capacity	<i>as defined by the ETSI standard</i>	
Direction / Separation	1 008 MHz		
Authorisation regime	<i>Individual licensing</i> <i>(bloc frequency assignment, individual frequency assignment)</i>		
Add. essential requirements			
Freq. planning assumption	ERC REC T/R 13-02		
Planned changes			
Reference	EN 302 217		
Remarks	<i>Coupled with 22 - 22.6 GHz</i>		
Notification number	2011/466/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	24500 - 25500 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	
Channel / modulation	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital at least 4 states modulation
	Reference frequency	25 501 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	1 008 MHz	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ERC REC T/R 13-02	
Planned changes		
Reference	EN 302 217	
Remarks	Coupled with 25.5 - 26.5 GHz	
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	25500 - 26500 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	
Channel / modulation	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital at least 4 states modulation
	Reference frequency	25 501 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	1 008 MHz	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ERC REC T/R 13-02	
Planned changes		
Reference	EN 302 217	
Remarks	Coupled with 24.5 - 25.5 GHz	
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description		Comment
Frequency band	27500 - 29500 MHz		P-P allowed in the frequency band of 27.5-29.5 GHz according to ECC DEC (05)01
Radio Service	Fixed		
Application	Fixed Point-to-Point		
Channel / modulation	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz	
	Designation of emission		
	Modulation / Occupied bandwidth	digital at least 4 states modulation	
	Reference frequency	28 500.5 MHz	
Transmit power / Power density	Output power	as defined by the ETSI standard	
	Antenna Gain	as defined by the ETSI standard	
	Radiated power		
Channel access and occupation rules	Duty cycle		
	Access protocol		
	Trans. capacity	as defined by the ETSI standard	
Direction / Separation	1 008 MHz		
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)		
Add. essential requirements			
Freq. planning assumption	ERC REC T/R 13-02		
Planned changes			
Reference	EN 302 217		
Remarks			
Notification number	2011/466/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	31000 - 31300 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	This band is foreseen for point-to-point fixed links applications.
Channel / modulation	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital at least 4 states modulation
	Reference frequency	31 000 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	TDD : None ; FDD : 140 MHz	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ECC REC 02-02	
Planned changes		
Reference	EN 302 217	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	31800 - 33400 MHz									
Radio Service	Fixed									
Application	Fixed Point-to-Point									
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Channel spacing</td> <td>3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz</td> </tr> <tr> <td style="text-align: center;">Designation of emission</td> <td></td> </tr> <tr> <td style="text-align: center;">Modulation / Occupied bandwidth</td> <td>digital at least 4 states modulation</td> </tr> <tr> <td style="text-align: center;">Reference frequency</td> <td>32 599 MHz</td> </tr> </table>	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz	Designation of emission		Modulation / Occupied bandwidth	digital at least 4 states modulation	Reference frequency	32 599 MHz	
Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz									
Designation of emission										
Modulation / Occupied bandwidth	digital at least 4 states modulation									
Reference frequency	32 599 MHz									
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Output power</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td style="text-align: center;">Antenna Gain</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td style="text-align: center;">Radiated power</td> <td></td> </tr> </table>	Output power	as defined by the ETSI standard	Antenna Gain	as defined by the ETSI standard	Radiated power				
Output power	as defined by the ETSI standard									
Antenna Gain	as defined by the ETSI standard									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Duty cycle</td> <td></td> </tr> <tr> <td style="text-align: center;">Access protocol</td> <td></td> </tr> <tr> <td style="text-align: center;">Trans. capacity</td> <td>as defined by the ETSI standard</td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	as defined by the ETSI standard			
Duty cycle										
Access protocol										
Trans. capacity	as defined by the ETSI standard									
Direction / Separation	TDD, FDD :812 MHz									
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)									
Add. essential requirements										
Freq. planning assumption	ERC REC 01-02									
Planned changes										
Reference	EN 302 217									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description		Comment
Frequency band	37000 - 39500 MHz		Sub-bands: 37 - 37.124 GHz / 38.26 - 38.402 GHz for unplanned, uncoordinated fixed links
Radio Service	Fixed		
Application	Fixed Point-to-Point		In the band 37.5-39.2 GHz sharing with FSS, according to ERC DEC (00)02
Channel / modulation	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz; 112 MHz	
	Designation of emission		
	Modulation / Occupied bandwidth	digital at least 4 states modulation	
	Reference frequency	38 248 MHz	
Transmit power / Power density	Output power	as defined by the ETSI standard	
	Antenna Gain	as defined by the ETSI standard	
	Radiated power		
Channel access and occupation rules	Duty cycle		
	Access protocol		
	Trans. capacity	as defined by the ETSI standard	
Direction / Separation	1 260 MHz		
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)		
Add. essential requirements			
Freq. planning assumption	ERC REC T/R 12-01 ERC DEC (00)02		
Planned changes			
Reference	EN 302 217		
Remarks			
Notification number	2011/466/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	48500 - 50200 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	This band is foreseen for point-to-point fixed links applications.
Channel / modulation	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital
	Reference frequency	49 350 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	884 MHz	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ERC REC 12-10	
Planned changes		
Reference	EN 302 217	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	51400 - 52600 MHz									
Radio Service	Fixed									
Application	Fixed Point-to-Point	This band is foreseen for point-to-point fixed links applications.								
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>digital</td> </tr> <tr> <td>Reference frequency</td> <td>51 412 MHz</td> </tr> </table>	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz	Designation of emission		Modulation / Occupied bandwidth	digital	Reference frequency	51 412 MHz	
Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz									
Designation of emission										
Modulation / Occupied bandwidth	digital									
Reference frequency	51 412 MHz									
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td>Antenna Gain</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	as defined by the ETSI standard	Antenna Gain	as defined by the ETSI standard	Radiated power				
Output power	as defined by the ETSI standard									
Antenna Gain	as defined by the ETSI standard									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td>as defined by the ETSI standard</td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	as defined by the ETSI standard			
Duty cycle										
Access protocol										
Trans. capacity	as defined by the ETSI standard									
Direction / Separation	616 MHz									
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)									
Add. essential requirements										
Freq. planning assumption	ERC REC 12-11									
Planned changes										
Reference	EN 302 217									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description		Comment
Frequency band	55780 - 57000 MHz		
Radio Service	Fixed		
Application	Fixed Point-to-Point		
Channel / modulation	Channel spacing	3.5 MHz; 7 MHz; 14 MHz; 28 MHz; 56 MHz	
	Designation of emission		
	Modulation / Occupied bandwidth	digital	
	Reference frequency	TDD : 55 786 MHz FDD : 55 814 MHz	
Transmit power / Power density	Output power	as defined by the ETSI standard	
	Antenna Gain	as defined by the ETSI standard	
	Radiated power		
Channel access and occupation rules	Duty cycle		
	Access protocol		
	Trans. capacity	as defined by the ETSI standard	
Direction / Separation	TDD : None ; FDD : 616 MHz		
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)		
Add. essential requirements			
Freq. planning assumption	ERC REC 12-12		
Planned changes			
Reference	EN 302 217		
Remarks			
Notification number	2011/466/L		
Equipment class	Class 2		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	57000 - 64000 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	This band is foreseen for point-to-point fixed links applications.
Channel / modulation	Channel spacing	from 50 MHz up to 2500 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital
	Reference frequency	56 950 MHz
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	TDD/FDD	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	ECC/REC (09)01	
Planned changes		
Reference		
Remarks	EN 302 217	
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	64000 - 66000 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	This band is foreseen for point-to-point fixed links applications
Channel / modulation	Channel spacing	from 50 MHz up to 2500 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital
	Reference frequency	
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	TDD / FDD	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	CEPT/ECC/REC 05-02	
Planned changes		
Reference	EN 302 217	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment
Frequency band	71000 - 76000 MHz	
Radio Service	Fixed	
Application	Fixed Point-to-Point	This band is foreseen for point-to-point fixed links applications
Channel / modulation	Channel spacing	from 250 MHz up to 1250 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	digital
	Reference frequency	
Transmit power / Power density	Output power	as defined by the ETSI standard
	Antenna Gain	as defined by the ETSI standard
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	as defined by the ETSI standard
Direction / Separation	TDD / FDD	
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)	
Add. essential requirements		
Freq. planning assumption	CEPT/ECC/REC 05-07	
Planned changes		
Reference	EN 302 217	
Remarks		
Notification number	2011/466/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Point-to-point fixed links

Parameter	Description	Comment								
Frequency band	81000 - 86000 MHz									
Radio Service	Fixed									
Application	Fixed Point-to-Point	This band is foreseen for point-to-point fixed links applications								
Channel / modulation	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>from 250 MHz up to 1250 MHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>digital</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	from 250 MHz up to 1250 MHz	Designation of emission		Modulation / Occupied bandwidth	digital	Reference frequency		
Channel spacing	from 250 MHz up to 1250 MHz									
Designation of emission										
Modulation / Occupied bandwidth	digital									
Reference frequency										
Transmit power / Power density	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td>Antenna Gain</td> <td>as defined by the ETSI standard</td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power	as defined by the ETSI standard	Antenna Gain	as defined by the ETSI standard	Radiated power				
Output power	as defined by the ETSI standard									
Antenna Gain	as defined by the ETSI standard									
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td></td> </tr> <tr> <td>Trans. capacity</td> <td>as defined by the ETSI standard</td> </tr> </table>	Duty cycle		Access protocol		Trans. capacity	as defined by the ETSI standard			
Duty cycle										
Access protocol										
Trans. capacity	as defined by the ETSI standard									
Direction / Separation	TDD / FDD									
Authorisation regime	Individual licensing (bloc frequency assignment, individual frequency assignment)									
Add. essential requirements										
Freq. planning assumption	CEPT/ECC/REC 05-07									
Planned changes										
Reference	EN 302 217									
Remarks										
Notification number	2011/466/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Cordless Telephones

DECT

Parameter	Description	Comment
Frequency band	1880 - 1900 MHz	
Radio Service	Mobile ----- Land Mobile -----	
Application	Land mobile ----- Cordless telephones ----- DECT	
Channel / modulation	Channel spacing	1728 MHz
	Designation of emission	
	Modulation / Occupied bandwidth	Refer to EN 301 406
	Reference frequency	
Transmit power / Power density	Output power	
	Antenna Gain	Type of antenna : integral or dedicated
	Radiated power	250 mW peak e.r.p.
Channel access and occupation rules	Duty cycle	
	Access protocol	
	Trans. capacity	1152 kbit/s per carrier
Direction / Separation		
Authorisation regime		
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 406	
Remarks	Council Directive 91/287/EEC	
Notification number	2009/0375/L	Sub-class H10 of Class 2 covers other categories of DECT equipment
Equipment class	Class 1	Refer to Sub-class 18 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Cordless Telephones

DECT

Parameter	Description		Comment
Frequency band	1880 - 1900 MHz		
Radio Service	<i>Mobile</i> ----- <i>Land Mobile</i> -----		
Application	<i>Land mobile</i> ----- <i>Cordless telephones</i> ----- <i>DECT</i>		
Channel / modulation	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	1728 MHz <i>Refer to EN 301 406</i>	
Transmit power / Power density	Output power ----- Antenna Gain ----- Radiated power	----- 250 mW (24 dBm) conducted 26 dBm eirp (see remark) 30 dBm eirp (see remark)	26 dBm eirp for omni-directional antennas 30 dBm eirp for directionall antennas
Channel access and occupation rules	Duty cycle ----- Access protocol ----- Trans. capacity	----- <i>Instant Dynamic Channel Selection</i>	----- <i>Refer to EN 301 406</i>
Direction / Separation	<i>TDD</i>		<i>Refer to EN 301 406</i>
Authorisation regime			
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 301 406</i> <i>ECC/DEC(98)22 as amended</i>		
Remarks	<i>Council Directive 91/287/EEC</i>		
Notification number	<i>2014/450/L</i>		
Equipment class	<i>Class 2</i>		<i>Refer to Sub-class H10 (2000/299/EC)</i>

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

R-GSM

Parameter	Description	Comment
	876 - 880 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Digital cellular ----- GSM-R	
	Channel spacing	200 kHz 12 kHz for DMO
	Designation of emission	
	Modulation / Occupied bandwidth	For non DMO operation: Gaussian Minimum Shift Keying (GMSK) / 8-PSK
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	
Channel access and occupation rules	Duty cycle	
	Access protocol	TDMA (not for DMO operation)
	Trans. capacity	
Direction / Separation	45 MHz	Terminal station transmit Repeater transmit / receive
Authorisation regime	Included in operator network licence.	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 511; EN 300 086 (DMO); EN 300 609-4 (repeaters); EN 301 419	
Remarks	Coupled with 921-925 MHz	
Notification number	2010/378/L	
Equipment class	Class 1	Refer to Sub-class 09b (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Digital Cellular

R-GSM

Parameter	Description	Comment
	921 - 925 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Digital cellular ----- GSM-R	
	Channel spacing 200 kHz ----- Designation of emission ----- Modulation / Occupied bandwidth Gaussian Minimum Shift Keying (GMSK) / 8-PSK ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	
Channel access and occupation rules	Duty cycle ----- Access protocol TDMA ----- Trans. capacity	
Direction / Separation	45 MHz	Base station transmit Repeater transmit / receive
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 502; EN 300 609-4 (repeaters)	
Remarks	Coupled with 876-880 MHz	
Notification number	2010/378/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

Mobile Communications services on Aircrafts

Parameter	Description	Comment
	1710 - 1785 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Digital cellular ----- MCA	
	Channel spacing 200 kHz ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	95 MHz	
Authorisation regime		
Add. essential requirements	Decision 2008/294/EC, Decision 2013/654/EC	
Freq. planning assumption		
Planned changes		
Reference	EN 301 502 ; EN 301 511 ; EN 302 480	
Remarks	Coupled with 1805-1880 MHz	
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

Mobile Communications services on Aircrafts

Parameter	Description	Comment
	1805 - 1880 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Digital cellular ----- MCA	
	Channel spacing 200 kHz ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	95 MHz	
Authorisation regime	Individual licensing for aircrafts registered in Luxembourg	
Add. essential requirements	Decision 2008/294/EC, Decision 2013/654/EC	
Freq. planning assumption		
Planned changes		
Reference	EN 301 502 ; EN 301 511 ; EN 302 480	
Remarks	Coupled with 1710-1785 MHz	
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

Mobile Communications services on Aircrafts

Parameter	Description	Comment
	1710 - 1785 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Digital cellular ----- MCA	
	Channel spacing 1.4/3/5/10/15/20 MHz Designation of emission Modulation / Occupied bandwidth Reference frequency	
	Output power Antenna Gain Radiated power	
	Duty cycle Access protocol Trans. capacity	
Direction / Separation	95 MHz	
Authorisation regime		
Add. essential requirements	Decision 2013/654/EC	
Freq. planning assumption		
Planned changes		
Reference	EN 301 908-1 , EN 301 908-13, EN 301 908-14, EN 301 908-15	
Remarks	Coupled with 1805-1880 MHz	
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

Mobile Communications services on Aircrafts

Parameter	Description	Comment
	1805 - 1880 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Digital cellular ----- MCA	
	Channel spacing 1.4/3/5/10/15/20 MHz Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	95 MHz	
Authorisation regime	Individual licensing for aircrafts registered in Luxembourg	
Add. essential requirements	Decision 2013/654/EC	
Freq. planning assumption		
Planned changes		
Reference	EN 301 908-1 , EN 301 908-13, EN 301 908-14, EN 301 908-15	
Remarks	Coupled with 1770-1785 MHz	
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

Mobile Communications services on Aircrafts

Parameter	Description	Comment
	1920 - 1980 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Digital cellular ----- MCA	
	Channel spacing 5 MHz ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	190 MHz	
Authorisation regime		
Add. essential requirements	Decision 2013/654/EC	
Freq. planning assumption		
Planned changes		
Reference	EN 301 908-1 , EN 301 908-2, EN 301 908-3, EN 301 908-11	
Remarks	Coupled with 2110-2170 MHz	
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

Mobile Communications services on Aircrafts

Parameter	Description	Comment
	2110 - 2170 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Digital cellular ----- MCA	
	Channel spacing 5 MHz ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	190 MHz	
Authorisation regime	Individual licensing for aircrafts registered in Luxembourg	
Add. essential requirements	Decision 2013/654/EC	
Freq. planning assumption		
Planned changes		
Reference	EN 301 908-1 , EN 301 908-2, EN 301 908-3, EN 301 908-11	
Remarks	Coupled with 1920-1980 MHz	
Notification number	2014/450/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

Aircraft Earth Stations

Parameter	Description	Comment
	10700 - 11700 MHz	
	Mobile-Satellite ----- Aeronautical Mobile-Satellite -----	
	Land mobile ----- Digital cellular ----- AES	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	Refer to sub-class 12
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	Free circulation and use.	
Add. essential requirements		
Freq. planning assumption	ITU Regulations	
Planned changes		
Reference	EN 302 186 ECC/DEC(05)11	
Remarks		
Notification number	2013/216/L	
Equipment class	Class 1	Refer to sub-class 12 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

Aircraft Earth Stations

Parameter	Description	Comment
	12500 - 12750 MHz	
	Mobile-Satellite ----- Aeronautical Mobile-Satellite -----	
	Land mobile ----- Digital cellular ----- AES	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	Refer to sub-class 12
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	Free circulation and use.	
Add. essential requirements		
Freq. planning assumption	ITU Regulations	
Planned changes		
Reference	EN 302 186 ECC/DEC(05)11	
Remarks		
Notification number	2013/216/L	
Equipment class	Class 1	Refer to sub-class 12 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

Aircraft Earth Stations

Parameter	Description	Comment
	14000 - 14250 MHz	
	Mobile-Satellite ----- Aeronautical Mobile-Satellite -----	
	Land mobile ----- Digital cellular ----- AES	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	Refer to sub-class 12
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	Free circulation and use.	
Add. essential requirements		
Freq. planning assumption	ITU Regulations	
Planned changes		
Reference	EN 302 186 ECC/DEC(05)11	
Remarks		
Notification number	2013/216/L	
Equipment class	Class 1	Refer to sub-class 12 (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Digital Cellular

Aircraft Earth Stations

Parameter	Description	Comment
	14250 - 14500 MHz	
	Mobile-Satellite ----- Aeronautical Mobile-Satellite -----	
	Land mobile ----- Digital cellular ----- AES	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power ----- Max. 50 dBW	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation		
Authorisation regime	Free circulation and use.	
Add. essential requirements		
Freq. planning assumption	ITU Regulations	
Planned changes		
Reference	EN 302 186 ECC/DEC(05)11	
Remarks		
Notification number	2013/216/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

E-GSM

Parameter	Description	Comment								
	880 - 890 MHz									
	Mobile ----- Land Mobile -----									
	Land mobile ----- Digital cellular ----- GSM									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>200 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>Gaussian Minimum Shift Keying (GMSK) / 8-PSK</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	200 kHz	Designation of emission		Modulation / Occupied bandwidth	Gaussian Minimum Shift Keying (GMSK) / 8-PSK	Reference frequency		
Channel spacing	200 kHz									
Designation of emission										
Modulation / Occupied bandwidth	Gaussian Minimum Shift Keying (GMSK) / 8-PSK									
Reference frequency										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power		Antenna Gain		Radiated power				
Output power										
Antenna Gain										
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td>TDMA</td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol	TDMA	Trans. capacity				
Duty cycle										
Access protocol	TDMA									
Trans. capacity										
Direction / Separation	45 MHz	Terminal station transmit Repeater transmit / receive								
Authorisation regime	Included in operator network licence.									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 301 511; EN 300 609-4 (repeaters)									
Remarks	Coupled with 925 - 935 MHz									
Notification number	2010/378/L									
Equipment class	Class 1	Refer to Sub-class 09a (2000/299/EC)								

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

E-GSM

Parameter	Description		Comment
	925 - 935 MHz		
	Mobile ----- Land Mobile -----		
	Land mobile ----- Digital cellular ----- GSM		
	Channel spacing	200 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth	Gaussian Minimum Shift Keying (GMSK) / 8-PSK	
	Reference frequency		
	Output power		
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle		
	Access protocol	TDMA	
	Trans. capacity		
Direction / Separation	45 MHz		Base station transmit Repeater transmit / receive
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 301 502; EN 300 609-4 (repeaters)		
Remarks	Coupled with 880 - 890 MHz		
Notification number	2010/378/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

P-GSM

Parameter	Description	Comment								
	890 - 915 MHz									
	Mobile ----- Land Mobile -----									
	Land mobile ----- Digital cellular ----- GSM									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>200 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>Gaussian Minimum Shift Keying (GMSK) / 8-PSK</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	200 kHz	Designation of emission		Modulation / Occupied bandwidth	Gaussian Minimum Shift Keying (GMSK) / 8-PSK	Reference frequency		
Channel spacing	200 kHz									
Designation of emission										
Modulation / Occupied bandwidth	Gaussian Minimum Shift Keying (GMSK) / 8-PSK									
Reference frequency										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power		Antenna Gain		Radiated power				
Output power										
Antenna Gain										
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td>TDMA</td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol	TDMA	Trans. capacity				
Duty cycle										
Access protocol	TDMA									
Trans. capacity										
Direction / Separation	45 MHz	Terminal station transmit Repeater transmit / receive								
Authorisation regime	Included in operator network licence.									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 301 511; EN 300 609-4 (repeaters)									
Remarks	Coupled with 935-960 MHz									
Notification number	2010/378/L									
Equipment class	Class 1	Refer to Sub-class 09a (2000/299/EC)								

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

P-GSM

Parameter	Description	Comment
	935 - 960 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Digital cellular ----- GSM	
	Channel spacing 200 kHz ----- Designation of emission ----- Modulation / Occupied bandwidth Gaussian Minimum Shift Keying (GMSK) / 8-PSK ----- Reference frequency	
	Output power ----- Antenna Gain ----- Radiated power	
Channel access and occupation rules	Duty cycle ----- Access protocol TDMA ----- Trans. capacity	
Direction / Separation	45 MHz	Base station transmit Repeater transmit / receive
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 502; EN 300 609-4 (repeaters)	
Remarks	Coupled with 890-915 MHz	
Notification number	2010/378/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

GSM 1800

Parameter	Description	Comment								
	1710 - 1785 MHz									
	Mobile ----- Land Mobile -----									
	Land mobile ----- Digital cellular ----- GSM									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>200 kHz</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>Gaussian Minimum Shift Keying (GMSK) / 8- PSK</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	200 kHz	Designation of emission		Modulation / Occupied bandwidth	Gaussian Minimum Shift Keying (GMSK) / 8- PSK	Reference frequency		
Channel spacing	200 kHz									
Designation of emission										
Modulation / Occupied bandwidth	Gaussian Minimum Shift Keying (GMSK) / 8- PSK									
Reference frequency										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power		Antenna Gain		Radiated power				
Output power										
Antenna Gain										
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td>TDMA</td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol	TDMA	Trans. capacity				
Duty cycle										
Access protocol	TDMA									
Trans. capacity										
Direction / Separation	95 MHz	Terminal station transmit Repeater transmit / receive								
Authorisation regime	Included in operator network licence.									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 301 511; EN 300 609-4 (repeaters)									
Remarks	Coupled with 1805-1880 MHz									
Notification number	2010/378/L									
Equipment class	Class 1	Refer to Sub-class 09a (2000/299/EC)								

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

GSM 1800

Parameter	Description		Comment
	1805 - 1880 MHz		
	Mobile ----- Land Mobile -----		
	Land mobile ----- Digital cellular ----- GSM		
	Channel spacing	200 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth	Minimum Shift Keying (GMSK) / 8- PSK	
	Reference frequency		
	Output power		
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle		
	Access protocol	TDMA	
	Trans. capacity		
Direction / Separation	95 MHz		Base station transmit Repeater transmit / receive
Authorisation regime	Individual licensing		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 301 502; EN 300 609-4 (repeaters)		
Remarks	Coupled with 1710-1785 MHz		
Notification number	2010/378/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

UMTS

Parameter	Description	Comment								
	880 - 915 MHz									
	Mobile ----- Land Mobile -----									
	Land mobile ----- Digital cellular ----- IMT									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>5 MHz/200 kHz channel raster</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>QPSK</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	5 MHz/200 kHz channel raster	Designation of emission		Modulation / Occupied bandwidth	QPSK	Reference frequency		Carrier separation of 5 MHz or more between two neighbouring UMTS networks Carrier separation of 2.8 MHz or more between a neighbouring UMTS network and a GSM network
Channel spacing	5 MHz/200 kHz channel raster									
Designation of emission										
Modulation / Occupied bandwidth	QPSK									
Reference frequency										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power		Antenna Gain		Radiated power				
Output power										
Antenna Gain										
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td>CDMA</td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol	CDMA	Trans. capacity				
Duty cycle										
Access protocol	CDMA									
Trans. capacity										
Direction / Separation	45 MHz	Terminal station transmit Repeater transmit/receive								
Authorisation regime	Included in operator network licence.									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 301 908-2; EN 301 908-11									
Remarks	Coupled with 925 - 960 MHz									
Notification number	2010/378/L									
Equipment class	Class 1	Refer to Sub-class 09a (2000/299/EC)								

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

UMTS

Parameter	Description	Comment
	925 - 960 MHz	
	Mobile ----- Land Mobile -----	
	Land mobile ----- Digital cellular ----- IMT	
	Channel spacing	5 MHz/200 kHz channel raster
	Designation of emission	
	Modulation / Occupied bandwidth	QPSK / 16 QAM
	Reference frequency	
	Output power	
	Antenna Gain	
	Radiated power	
	Duty cycle	
Channel access and occupation rules	Access protocol	CDMA
	Trans. capacity	
Direction / Separation	45 MHz	Base station transmit Repeater transmit/receive
Authorisation regime	Individual licensing	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 908-3; EN 301 908-11	
Remarks	Coupled with 880 - 915 MHz	
Notification number	2010/378/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

UMTS

Parameter	Description	Comment								
	1710 - 1785 MHz									
	Mobile ----- Land Mobile -----									
	Land mobile ----- Digital cellular ----- IMT									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>5 MHz/200 kHz channel raster</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>QPSK</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	5 MHz/200 kHz channel raster	Designation of emission		Modulation / Occupied bandwidth	QPSK	Reference frequency		Carrier separation of 5 MHz or more between two neighbouring UMTS networks Carrier separation of 2.8 MHz or more between a neighbouring UMTS network and a GSM network
Channel spacing	5 MHz/200 kHz channel raster									
Designation of emission										
Modulation / Occupied bandwidth	QPSK									
Reference frequency										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power		Antenna Gain		Radiated power				
Output power										
Antenna Gain										
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td>CDMA</td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol	CDMA	Trans. capacity				
Duty cycle										
Access protocol	CDMA									
Trans. capacity										
Direction / Separation	95 MHz	Terminal station transmit Repeater transmit/receive								
Authorisation regime	Included in operator network licence.									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 301 908-2; EN 301 908-11									
Remarks	Coupled with 1805 - 1880 MHz									
Notification number	2010/378/L									
Equipment class	Class 1	Refer to Sub-class 09a (2000/299/EC)								

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

UMTS

Parameter	Description	Comment								
	1805 - 1880 MHz									
	Mobile ----- Land Mobile -----									
	Land mobile ----- Digital cellular ----- IMT									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Channel spacing</td> <td>5 MHz/200 kHz channel raster</td> </tr> <tr> <td>Designation of emission</td> <td></td> </tr> <tr> <td>Modulation / Occupied bandwidth</td> <td>QPSK / 16 QAM</td> </tr> <tr> <td>Reference frequency</td> <td></td> </tr> </table>	Channel spacing	5 MHz/200 kHz channel raster	Designation of emission		Modulation / Occupied bandwidth	QPSK / 16 QAM	Reference frequency		Carrier separation of 5 MHz or more between two neighbouring UMTS networks Carrier separation of 2.8 MHz or more between a neighbouring UMTS network and a GSM network
Channel spacing	5 MHz/200 kHz channel raster									
Designation of emission										
Modulation / Occupied bandwidth	QPSK / 16 QAM									
Reference frequency										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Output power</td> <td></td> </tr> <tr> <td>Antenna Gain</td> <td></td> </tr> <tr> <td>Radiated power</td> <td></td> </tr> </table>	Output power		Antenna Gain		Radiated power				
Output power										
Antenna Gain										
Radiated power										
Channel access and occupation rules	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Duty cycle</td> <td></td> </tr> <tr> <td>Access protocol</td> <td>CDMA</td> </tr> <tr> <td>Trans. capacity</td> <td></td> </tr> </table>	Duty cycle		Access protocol	CDMA	Trans. capacity				
Duty cycle										
Access protocol	CDMA									
Trans. capacity										
Direction / Separation	95 MHz	Base station transmit Repeater transmit/receive								
Authorisation regime	Individual licensing									
Add. essential requirements										
Freq. planning assumption										
Planned changes										
Reference	EN 301 908-8; EN 301 908-11; EC Decision 2009/766/EC									
Remarks	Coupled with 1710 - 1785 MHz									
Notification number	2010/378/L									
Equipment class	Class 2									

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

UMTS

Parameter	Description		Comment
	1920 - 1980 MHz		<i>Commission decision of 5 November 2012 on the harmonisation of 1920-1980 MHz and 2110-2170 MHz for ECS in the Union (2012/688/EU)</i>
	<i>Mobile</i> ----- <i>Land Mobile</i> -----		
	<i>Land mobile</i> ----- <i>Digital cellular</i> ----- <i>IMT</i>		
	Channel spacing	<i>5 MHz</i> <i>200 kHz channel raster</i>	
	Designation of emission		
	Modulation / Occupied bandwidth	<i>QPSK</i>	
	Reference frequency		
	Output power		
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle		
	Access protocol	<i>CDMA</i>	
	Trans. capacity		
Direction / Separation	<i>190 MHz</i>		<i>Terminal station transmit</i> <i>Repeater transmit/receive</i>
Authorisation regime	<i>Included in operator network licence.</i>		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 301 908-2; EN 301 908-11;</i> <i>Commission decision 2012/688/EU;</i> <i>ECC/DEC(06)01</i>		
Remarks	<i>Coupled with 2110-2170 MHz</i>		
Notification number	<i>2010/378/L</i>		
Equipment class	<i>Class 1</i>		<i>Refer to Sub-class 09a (2000/299/EC)</i>

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

UMTS

Parameter	Description		Comment
	2110 - 2170 MHz		<i>Commission decision of 5 November 2012 on the harmonisation of 1920-1980 MHz and 2110-2170 MHz for ECS in the Union (2012/688/EU)</i>
	<i>Mobile</i> ----- <i>Land Mobile</i> -----		
	<i>Land mobile</i> ----- <i>Digital cellular</i> ----- <i>IMT</i>		
	Channel spacing	<i>5 MHz</i> <i>200 kHz channel raster</i>	
	Designation of emission		
	Modulation / Occupied bandwidth	<i>QPSK / 16 QAM</i>	
	Reference frequency		
	Output power		
	Antenna Gain		
	Radiated power		
Channel access and occupation rules	Duty cycle		
	Access protocol	<i>CDMA</i>	
	Trans. capacity		
Direction / Separation	<i>190 MHz</i>		<i>Base station transmit</i> <i>Repeater transmit/receive</i>
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 301 908-3; EN 301 908-11;</i> <i>Commission decision 2012/688/EU;</i> <i>ECC/DEC(06)01</i>		
Remarks	<i>Coupled with 1920-1980 MHz</i>		
Notification number	<i>2010/378/L</i>		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

MFCN

Parameter	Description	Comment
	2500 - 2570 MHz	Harmonised radio spectrum (2008/477/EC)
	Mobile ----- Land Mobile -----	
	Land mobile ----- MFCN -----	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency -----	
	Output power ----- Antenna Gain ----- Radiated power -----	
	Duty cycle ----- Access protocol ----- Trans. capacity -----	
Direction / Separation	Paired carrier 120 MHz above	Terminal station transmit Repeater transmit/receive
Authorisation regime	Included in operator network licence.	Limits according to the annex of EC Decision 2008/477/EC are applicable.
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 908-2; EN 301 908-13; EN 301 908-11; EC Decision 2008/477/EC	
Remarks	Frequency band coupled to 2620-2690 MHz	
Notification number	2010/378/L	
Equipment class	Class 1	Refer to Sub-class 09a (2000/299/EC)

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

MFCN

Parameter	Description	Comment
	2620 - 2690 MHz	Harmonised radio spectrum (2008/477/EC)
	Mobile ----- Land Mobile -----	
	Land mobile ----- MFCN -----	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency -----	
	Output power ----- Antenna Gain ----- Radiated power -----	
	Duty cycle ----- Access protocol ----- Trans. capacity -----	
Direction / Separation	Paired carrier 120 MHz above	Base station transmit Repeater transmit/receive
Authorisation regime	Individual licensing	Limits according to the annex of EC Decision 2008/477/EC are applicable.
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	EN 301 908-3; EN 301 908-14; EN 301 908-11; EC Decision 2008/477/EC	
Remarks	Frequency band coupled to 2500-2570 MHz	
Notification number	2010/378/L	
Equipment class	Class 2	

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

MFCN

Parameter	Description		Comment
	2500 - 2570 MHz		Harmonised radio spectrum (2008/477/EC)
	Mobile ----- Land Mobile -----		
	Land mobile ----- MFCN -----		
	Channel spacing	-----	
	Designation of emission	-----	
	Modulation / Occupied bandwidth	-----	
	Reference frequency	-----	
	Output power	-----	
	Antenna Gain	-----	
	Radiated power	-----	
	Duty cycle	-----	
	Access protocol	-----	
	Trans. capacity	-----	
Direction / Separation			Time-Division-Duplex TDD Terminal, Base Station and repeater transmit and receive
Authorisation regime	Individual licensing		Limits according to the annex of EC Decision 2008/477/EC are applicable.
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 301 908-6; EN 301 908-7; EN 301 908-13; EN 301 908-14; EN 302 544-1; EC Decision 2008/477/EC		
Remarks			
Notification number	2010/378/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

MFCN

Parameter	Description		Comment
	2570 - 2620 MHz		Harmonised radio spectrum (2008/477/EC)
	Mobile ----- Land Mobile -----		
	Land mobile ----- MFCN -----		
	Channel spacing	-----	
	Designation of emission	-----	
	Modulation / Occupied bandwidth	-----	
	Reference frequency	-----	
	Output power	-----	
	Antenna Gain	-----	
	Radiated power	-----	
	Duty cycle	-----	
	Access protocol	-----	
	Trans. capacity	-----	
Direction / Separation			Time-Division-Duplex TDD Terminal, Base Station and repeater transmit and receive
Authorisation regime	Individual licensing		Limits according to the annex of EC Decision 2008/477/EC are applicable.
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 301 908-6; EN 301 908-7; EN 301 908-13; EN 301 908-14; EN 302 544-1; EC Decision 2008/477/EC		
Remarks			
Notification number	2010/378/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

MFCN

Parameter	Description		Comment
	2620 - 2690 MHz		Harmonised radio spectrum (2008/477/EC)
	Mobile ----- Land Mobile -----		
	Land mobile ----- MFCN -----		
	Channel spacing	-----	
	Designation of emission	-----	
	Modulation / Occupied bandwidth	-----	
	Reference frequency	-----	
	Output power	-----	
	Antenna Gain	-----	
	Radiated power	-----	
	Duty cycle	-----	
	Access protocol	-----	
	Trans. capacity	-----	
Direction / Separation			Time-Division-Duplex TDD Terminal, Base Station and repeater transmit and receive
Authorisation regime	Individual licensing		Limits according to the annex of EC Decision 2008/477/EC are applicable.
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	EN 301 908-6; EN 301 908-7; EN 301 908-13; EN 301 908-14; EN 302 544-1; EC Decision 2008/477/EC		
Remarks			
Notification number	2010/378/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

MFCN

Parameter	Description	Comment
	3410 - 3490 MHz	Harmonised radio spectrum (EC Decision 2014/276/EU)
	Mobile ----- Land Mobile -----	
	Land mobile ----- MFCN -----	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	Ch. Raster: 100 kHz
	Output power ----- Antenna Gain ----- Radiated power	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	Paired carrier 100 MHz above	Terminal station transmit Repeater transmit/receive
Authorisation regime	Included in operator network licence	Technical conditions (Limits) according to the annex of EC Decision 2014/276/EU are applicable.
Add. essential requirements		
Freq. planning assumption	EC Decision 2008/411/EC, 2014/276/EU	
Planned changes		
Reference	EN 301 908 EC Decision 2008/411/EC, 2014/276/EU	
Remarks	Frequency band coupled to 3510-3590 MHz	
Notification number	2016/7/L	
Equipment class	Class 1	Refer to Sub-class 09a (2000/299/EC)

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Terrestrial systems capable of providing ECS

MFCN

Parameter	Description		Comment
	3510 - 3590 MHz		Harmonised radio spectrum (EC Decision 2014/276/EU)
	Mobile ----- Land Mobile -----		
	Land mobile ----- MFCN -----		
	Channel spacing	Ch. Raster: 100 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
	Output power		
	Antenna Gain		
	Radiated power		
	Duty cycle		
	Access protocol		
	Trans. capacity		
Direction / Separation	Paired carrier 100 MHz below		Base station transmit Repeater transmit/receive
Authorisation regime	Individual licensing		Technical conditions (Limits) according to the annex of EC Decision 2014/276/EU are applicable.
Add. essential requirements			
Freq. planning assumption	EC Decision 2008/411/EC, 2014/276/EU		
Planned changes			
Reference	EN 301 908 EC Decision 2008/411/EC, 2014/276/EU		
Remarks	Frequency band coupled to 3410-3490 MHz		
Notification number	2016/7/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

MFCN

Parameter	Description		Comment
	3400 - 3600 MHz		Harmonised radio spectrum (EC Decision 2014/276/EU)
	Mobile ----- Land Mobile -----		
	Land mobile ----- MFCN -----		
	Channel spacing	Ch. Raster: 100 kHz	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
	Output power		
	Antenna Gain		
	Radiated power		
	Duty cycle		
	Access protocol		
	Trans. capacity		
Direction / Separation			Time-Division-Duplex TDD Terminal, Base Station and repeater transmit and receive
Authorisation regime	Individual licensing		Technical conditions (Limits) according to the annex of EC Decision 2014/276/EU are applicable.
Add. essential requirements			
Freq. planning assumption	EC Decision 2008/411/EC, 2014/276/EU		
Planned changes			
Reference	EN 301 908 EC Decision 2008/411/EC, 2014/276/EU		
Remarks			
Notification number	2016/7/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

MFCN

Parameter	Description		Comment
	3600 - 3800 MHz		Harmonised radio spectrum (EC Decision 2014/276/EU)
	Mobile ----- Land Mobile -----		
	Land mobile ----- MFCN -----		
	Channel spacing	Ch. Raster: 100 kHz	
	Designation of emission	-----	
	Modulation / Occupied bandwidth	-----	
	Reference frequency	-----	
	Output power	-----	
	Antenna Gain	-----	
	Radiated power	-----	
	Duty cycle	-----	
	Access protocol	-----	
	Trans. capacity	-----	
Direction / Separation			Time-Division-Duplex TDD Terminal, Base Station and repeater transmit and receive
Authorisation regime	Individual licensing		Technical conditions (Limits) according to the annex of EC Decision 2014/276/EU are applicable.
Add. essential requirements			
Freq. planning assumption	EC Decision 2008/411/EC, 2014/276/EU		
Planned changes			
Reference	EN 301 908 EC Decision 2008/411/EC, 2014/276/EU		
Remarks			
Notification number	2016/7/L		
Equipment class	Class 2		

- Normative in accordance to the *TCAM RIG II* template
 Informative in accordance to the *TCAM RIG II* template

Interface Regulations

Terrestrial systems capable of providing ECS

TRA-ECS

Parameter	Description	Comment
	791 - 821 MHz	<i>Harmonised technical conditions of use in the 790-862 MHz frequency band for terrestrial systems capable of providing electronic communications services in the European Union (2010/267/EU).</i>
	<i>Mobile</i> ----- <i>Mobile except aeronautical mobile</i> -----	
	<i>TRA-ECS</i> ----- -----	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency -----	<i>Ch. raster: 100 kHz</i>
	Output power ----- Antenna Gain ----- Radiated power -----	
	Duty cycle ----- Access protocol ----- Trans. capacity -----	
Direction / Separation	<i>Paired carrier 41 MHz above</i>	<i>Base station transmit Repeater transmit/receive</i>
Authorisation regime	<i>Individual licensing</i>	<i>Limits according to the annex of EC Decision 2010/267/EU are applicable.</i>
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 908-3, EN 301 908-13, EN 301 908-21 EC Decision 2010/267/EU</i>	
Remarks	<i>Frequency band coupled with 832-862 MHz</i>	
Notification number	<i>2012/305/L</i>	
Equipment class	<i>Class 2</i>	

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Terrestrial systems capable of providing ECS

TRA-ECS

Parameter	Description		Comment
	832 - 862 MHz		<i>Harmonised technical conditions of use in the 790-862 MHz frequency band for terrestrial systems capable of providing electronic communications services in the European Union (2010/267/EU).</i>
	<i>Mobile</i> ----- <i>Mobile except aeronautical mobile</i>		
	<i>TRA-ECS</i> ----- -----		
	Channel spacing	<i>Ch. raster: 100 kHz</i>	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
	Output power		
	Antenna Gain		
	Radiated power		
	Duty cycle		
	Access protocol		
	Trans. capacity		
Direction / Separation	<i>Paired carrier 41 MHz below</i>		<i>Terminal transmit Repeater transmit/receive</i>
Authorisation regime	<i>Included in operator network licence</i>		<i>Limits according to the annex of EC Decision 2010/267/EU are applicable.</i>
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 301 908-2, EN 301 908-14, EN 301 908-22 EC Decision 2010/267/EU</i>		
Remarks	<i>Frequency band coupled with 791-821 MHz</i>		
Notification number	<i>2012/305/L</i>		
Equipment class	<i>Class 1</i>		<i>Refer to Sub-class 09a (2000/299/EC)</i>

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Terrestrial systems capable of providing ECS

TRA-ECS

Parameter	Description		Comment
	880 - 915 MHz		<i>Harmonisation of the 900 MHz and 1 800 MHz frequency bands for terrestrial systems capable of providing pan-European electronic communications services in the Community (2011/251/EU)</i>
	<i>Mobile</i> ----- <i>Mobile except aeronautical mobile</i>		
	<i>TRA-ECS</i> ----- -----		
	Channel spacing	<i>Ch. raster: 100 kHz</i>	
	Designation of emission	-----	
	Modulation / Occupied bandwidth	-----	
	Reference frequency	-----	
	Output power	-----	
	Antenna Gain	-----	
	Radiated power	-----	
	Duty cycle	-----	
	Access protocol	-----	
	Trans. capacity	-----	
Direction / Separation	<i>Paired carrier 45 MHz above</i>		<i>Terminal transmit</i> <i>Repeater transmit/receive</i>
Authorisation regime	<i>Included in operator network licence</i>		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 301 908-13, EN 301 908-21</i> <i>EC Decision 2011/251/EU</i>		
Remarks	<i>Frequency band coupled with 925-960 MHz</i>		
Notification number	<i>2012/305/L</i>		
Equipment class	<i>Class 1</i>		<i>Refer to Sub-class 09a (2000/299/EC)</i>

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Terrestrial systems capable of providing ECS

TRA-ECS

Parameter	Description		Comment
	925 - 960 MHz		<i>Harmonisation of the 900 MHz and 1 800 MHz frequency bands for terrestrial systems capable of providing pan-European electronic communications services in the Community (2011/251/EU)</i>
	<i>Mobile</i> ----- <i>Mobile except aeronautical mobile</i>		
	<i>TRA-ECS</i> -----		
	Channel spacing	<i>Ch. raster: 100 kHz</i>	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
	Output power		
	Antenna Gain		
	Radiated power		
	Duty cycle		
	Access protocol		
	Trans. capacity		
Direction / Separation	<i>Paired carrier 45 MHz below</i>		<i>Base station transmit Repeater transmit/receive</i>
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 301 908-14 ,EN 301 908-22 EC Decision 2011/251/EU</i>		
Remarks	<i>Frequency band coupled with 880-915 MHz</i>		
Notification number	<i>2012/305/L</i>		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Terrestrial systems capable of providing ECS

TRA-ECS

Parameter	Description	Comment
	1710 - 1785 MHz	<i>Harmonisation of the 900 MHz and 1 800 MHz frequency bands for terrestrial systems capable of providing pan-European electronic communications services in the Community (2011/251/EU)</i>
	<i>Mobile</i> ----- <i>Mobile except aeronautical mobile</i>	
	<i>TRA-ECS</i> -----	
	Channel spacing ----- Designation of emission ----- Modulation / Occupied bandwidth ----- Reference frequency	<i>Ch. raster: 100 kHz</i>
	Output power ----- Antenna Gain ----- Radiated power	
	Duty cycle ----- Access protocol ----- Trans. capacity	
Direction / Separation	<i>Paired carrier 95 MHz above</i>	<i>Terminal transmit</i> <i>Repeater transmit/receive</i>
Authorisation regime	<i>Included in operator network licence</i>	
Add. essential requirements		
Freq. planning assumption		
Planned changes		
Reference	<i>EN 301 908-13 ,EN 301 908-21</i> <i>EC Decision 2011/251/EU</i>	
Remarks	<i>Frequency band coupled with 1805-1880 MHz</i>	
Notification number	<i>2012/305/L</i>	
Equipment class	<i>Class 1</i>	<i>Refer to Sub-class 09a (2000/299/EC)</i>

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template

Interface Regulations

Terrestrial systems capable of providing ECS

TRA-ECS

Parameter	Description		Comment
	1805 - 1880 MHz		<i>Harmonisation of the 900 MHz and 1 800 MHz frequency bands for terrestrial systems capable of providing pan-European electronic communications services in the Community (2011/251/EU)</i>
	<i>Mobile</i> ----- <i>Mobile except aeronautical mobile</i>		
	<i>TRA-ECS</i> ----- -----		
	Channel spacing	<i>Ch. raster: 100 kHz</i>	
	Designation of emission	-----	
	Modulation / Occupied bandwidth	-----	
	Reference frequency	-----	
	Output power	-----	
	Antenna Gain	-----	
	Radiated power	-----	
	Duty cycle	-----	
	Access protocol	-----	
	Trans. capacity	-----	
Direction / Separation	<i>Paired carrier 95 MHz below</i>		<i>Base station transmit</i> <i>Repeater transmit/receive</i>
Authorisation regime	<i>Individual licensing</i>		
Add. essential requirements			
Freq. planning assumption			
Planned changes			
Reference	<i>EN 301 908-14 ,EN 301 908-22</i> <i>EC Decision 2011/251/EU</i>		
Remarks	<i>Frequency band coupled with 1710-1785 MHz</i>		
Notification number	<i>2012/305/L</i>		
Equipment class	<i>Class 2</i>		

- Normative in accordance to the **TCAM RIG II** template
 Informative in accordance to the **TCAM RIG II** template