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

(Version of: 21 January 2015)

Extract: Radio interfaces relating to the use of radio microphones in Luxembourg.

SRD **2**

Radio microphones and Assistive Listening Devices ***2***

29.7 - 47 MHz ... LUX/RI SRD-A10 01 ... 2
174 - 216 MHz ... LUX/RI SRD-A10 04 ... 3
470 - 786 MHz ... LUX/RI SRD-A10 05 ... 4
786 - 789 MHz ... LUX/RI SRD-A10 11 ... 5
823 - 826 MHz ... LUX/RI SRD-A10 12 ... 6
826 - 832 MHz ... LUX/RI SRD-A10 13 ... 7
863 - 865 MHz ... LUX/RI SRD-A10 03 ... 8
1492 - 1518 MHz ... LUX/RI SRD-A10 14 ... 9
1785 - 1795 MHz ... LUX/RI SRD-A10 06 ... 10
1795 - 1800 MHz ... LUX/RI SRD-A10 07 ... 11
1800 - 1804.8 MHz ... LUX/RI SRD-A10 15 ... 12

Interface Regulations

SRD

Radio microphones and Assistive Listening Devices

Parameter	Description		Comment
Frequency band	*29.7 - 47 MHz*		
Radio Service	*Mobile*		
Application	*Short Range Devices* *Radio microphones and ALD*		*Narrow band audio band.*
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 and Assistive Listening Devices

Parameter	Description		Comment
Frequency band	*174 - 216 MHz*		*On a tuning range basis*
Radio Service	*Mobile*		
Application	*Short Range Devices*		
	Radio microphones and ALD		
	Radio microphones		
Channel / modulation	**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 10d*		
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 and Assistive Listening Devices

Parameter	Description		Comment
Frequency band	*470 - 786 MHz*		*On a tuning range basis*
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	*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 10e1*		
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 and Assistive Listening Devices

Parameter	Description		Comment
Frequency band	*786 - 789 MHz*		*On a tuning range basis*
Radio Service	*Mobile*		
Application	*Short Range Devices*		
	Radio microphones and ALD		
	Radio microphones		
Channel / modulation	**Channel spacing**	*No spacing*	*See technical conditions for PMSE (including radio microphones) in Annex 3 of Decision ECC/DEC/(09)03 section 3.1.*
	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 10e2*		
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 and Assistive Listening Devices

Parameter	Description		Comment
Frequency band	*823 - 826 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**	*200 kHz*	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	**Output power**		*100 mW restricted to body worn microphones. See technical conditions for PMSE (including radio microphones) in Annex 3 of Decision ECC/DEC/(09)03 section 3.1.*
	Antenna Gain		
	Radiated power	*20mW e.i.r.p.* *100mW e.i.r.p.*	
Channel access and occupation rules	**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 10e3*		*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 and Assistive Listening Devices

Parameter	Description		Comment
Frequency band	*826 - 832 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**	*200 kHz*	*See technical conditions for PMSE (including radio microphones) in Annex 3 of Decision ECC/DEC/(09)03 section 3.1.*
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	**Output power**		
	Antenna Gain		
	Radiated power	*100mW e.i.r.p.*	
Channel access and occupation rules	**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 10e4*		*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 and Assistive Listening Devices

Parameter	Description		Comment
Frequency band	*863 - 865 MHz*		
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	*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 301 357, EN 300 422* *ERC REC 70-03 Annex 10c*		
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 and Assistive Listening Devices

Parameter	Description		Comment
Frequency band	*1492 - 1518 MHz*		
Radio Service	*Mobile*		
Application	*Short Range Devices* *Radio microphones and ALD*		
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 10j*		
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 and Assistive Listening Devices

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**		*50 mW e.i.r.p. restricted to body worn microphones.*
	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 10f*		*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 and Assistive Listening Devices

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*		
Channel / modulation	**Channel spacing**	*No spacing*	
	Designation of emission		
	Modulation / Occupied bandwidth		
	Reference frequency		
Transmit power / Power density	**Output power**		*50 mW e.i.r.p. restricted to body worn microphones.*
	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 10g*		*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 and Assistive Listening Devices

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**		*50 mW e.i.r.p. restricted to body worn microphones.*
	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 10g1*		*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