

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.

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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 Access protocol Trans. capacity	up to 100%
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
	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	
	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
	Designation of emission	
	Modulation / Occupied bandwidth	
	Reference frequency	
		See technical conditions for PMSE (including radio microphones) in Annex 3 of Decision ECC/DEC/(09)03 section 3.1.
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	
	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	
	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	
	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