



REPUBLIKA E KOSOVËS/REPUBLIKA KOSOVA/REPUBLIC OF KOSOVO

Autoriteti Rregullator i Telekomunikacionit
Telecommunication Regulatory Authority
Regulativni Autoritet Telekomunikacije



Nr. Prot. 48/1/10

Pursuant to Sections; Section 1 item b) and Section 28 item 4) of the Telecommunications Law No.2002/07 as amended with the Law Nr. 03/L-085, the Board of the Telecommunications Regulatory Authority (hereinafter referred to as „TRA“), at its meeting held on June 15, 2010, enacted the following,

REGULATION ON RADIO STATIONS FOR WHICH RADIO FREQUENCY LICENCE IS NOT REQUIRED

GENERAL PROVISIONS

Contents of the Regulation Section 1

This Regulation determines classes of radio stations for which frequency license is not required and defines conditions to be fulfilled by a radio station in such cases.

SRD technical requirements parameters under CEPT recommendations and ETSI standards Section 2

Short-Range Devices (hereinafter referred as; SRDs), as well as other equipment shall not be subject to frequency license issuance, if:

- SRD complies with the technical requirements, defined under European Conference of Postal and Telecommunications Administrations (CEPT) Recommendations and Decisions, or European Telecommunications Standards Institute (ETSI) Standards;
- Possibility of harmful interference is excluded, i.e. if SRDs are operating within a secondary service.

A list of classes of radio equipment, according to their allocation, for which frequency license is not required, referred to in Section 2 of this Regulation, as well as data on frequency band, power, application, channel spacing, CEPT Recommendation and ETSI Standard, are given in ANNEX 1 to this Regulation.

WAS/RLAN within wireless Internet networks
Section 3

For radio stations operating in Wireless Access System including Radio Local Area Network (WAS/RLANs), within wireless Internet networks with outdoor application in 2400-2483.5 MHz and 5470-5725 MHz frequency bands, a frequency license is not required.

Radio stations referred to in paragraph 1 of this Section shall not be subject to registration procedures, except for base station or location on which the radio station is installed.

Radio frequency license shall not be required for base station referred to in paragraph 2 of this Section, provided that the registration procedure has been performed.

Registration and Notification Procedure
Section 4

The registration procedure, referred to in paragraph 3, Section 3 of this Regulation, shall be performed by the TRA, in accordance with this Regulation.

The user of the radio station, referred to in paragraph 3, Section 3 of this Regulation, is required to submit the following, for the purpose of registration, not later than 30 days prior to the beginning of operation of the radio station:

- filled out notification form for registration;
- Business registration certificate;
- Photocopy of license for telecommunication service provision;
- Frequency band in which they intend to operate;
- Name of location, with address and geo-coordinates, on which base station is installed.

Notification form is given in ANNEX 2 to this Regulation, which is an integral part thereof and have to be renewed by TRA every two years.

CEPT Recommendations and TRA Regulation
Section 5

Radio stations, referred to in Section 4 of this Regulation, may operate without radio frequency license, if they:

- comply with the technical requirements defined under CEPT Recommendation or CEPT Standard;
- have got technical documentation and appropriate certificate;
- Operate in accordance with the defined status under the Radio Frequency Allocation Plan.

Radio station Operation under this Regulation **Section 6**

Technical parameters, application mode and conditions, as well as the regulations pertinent to the operation of radio stations, referred to in Section 5 of this Regulation, are given in ANNEX 1 to this Regulation.

Subject to radio frequency license procedure **Section 7**

If SRDs, as well as other equipment, referred to in Section 2 of this Regulation, and radio stations referred to in Section 3 of this Regulation, do not comply with set technical requirements and were not manufactured according to CEPT Recommendation or ETSI standard, shall be subject to radio frequency license issuance procedure.

Interference **Section 8**

The devices under the scope of this Regulation are not protected against the interference; and the users of these devices are obliged to accept interference to occur due to the operation of other radio systems in the allocated and registered frequencies.

The users of these devices under the scope of this Regulation shall not cause interferences in the other radio systems, especially air traffic systems and in the radio and television receivers operation in the allocated and registered frequencies. In case of such interference, they are obliged to stop their activities until the interference is removed. Those who do not obey this rule shall be subjected to the legal procedures.

Other Provisions

Part of the regulation **Section 9**

Part of this regulation is the attached annex.

Information and Publication
Section 10

This regulation is part of the Regulations issued by the Telecommunications Regulatory Authority (TRA) and published on the website of the TRA. Licensed operators and new entrepreneurs are obliged to implement the provisions of this regulation.

Application of regulation
Section 11

The use of frequencies and equipment subject to this regulation contrary to the stipulations of this regulation is considered as violation and is subject of TRA sanctions as foreseen with relevant provisions of the Administrative Instruction, AD 2003/4.

Sanctions
Section 12

If it is determined during the inspections of the TRA that the principles of assembling and using have been violated during assembling and using these systems and all devices mentioned in this Regulation, a period of 45 days is given for the necessary corrections on condition that the device shall not be used and, at the end of the period if the correction has not been realized, the devices of the user are locked up.

Entry into force and the validity
Section 13

This regulation along with the annex to the application for access codes and the application form is effective with the adoption of the TRA Board Decision No. 21, Protocol Nr. 44/1/10 dated; 15/06/2010, and remain in force until the new TRA regulation is enacted.

Class: 01/1
Reg. No.: 2
Prishtina, 15 June 2010

Chairman of TRA Board
Ekrem Hoxha

ANNEX 1

1. Non-specific Short Range Devices (SRD)

The following Table covers frequency bands and regulatory parameters recommended primarily for telemetry, telecommand, alarms and other similar applications. Video applications should only be used above 2.4 GHz.

Regulatory parameters

Frequency Band	Power	Application (Duty cycle)	Channel Spacing	CEPT or EC Document	ETSI Standard
6765-6795 kHz	42 dB μ A/m at 10 m	No Restriction	No spacing	ERC/DEC/(01)01 ERC/REC/70-03	EN 300 330
13.553-13.567 MHz	42 dB μ A/m at 10 m	No Restriction	No spacing	ERC/DEC/(01)01 ERC/REC/70-03	EN 300 330
26.957-27.283 MHz	42 dB μ A/m at 10 m 10 mW e.r.p.	No Restriction	No spacing	ERC/DEC/(01)02 ERC/REC/70-03	EN 300 220
40.660-40.700 MHz	10 mW e.r.p.	No Restriction	No spacing	ERC/DEC/(01)03 ERC/REC/70-03	EN 300 220
138.2-138.45 MHz	10 mW e.r.p.	<1.0%	No spacing	ERC/REC/70-03	
433.050-434.790 MHz	10 mW e.r.p.	<10%	No spacing	ECC/DEC/(04)02 ERC/REC/70-03	EN 300 220
433.050-434.790 MHz	1 mW e.r.p. -13dBm/10 kHz	Up to 100%	No spacing	ECC/DEC/(04)02 ERC/REC/70-03	EN 300 220
434.040-434.790 MHz	10 mW e.r.p.	Up to 100%	Up to 25 kHz	ECC/DEC/(04)02 ERC/REC/70-03	EN 300 220
868.000-868.600 MHz	25 mW e.r.p.	<1.0%	No spacing	ERC/DEC/(01)04 ERC/REC/70-03	EN 300 220
868.700-869.200 MHz	25 mW e.r.p.	<0.1%	No spacing	ERC/DEC/(01)04 ERC/REC/70-03	EN 300 220
869.300-869.400 MHz	10 mW e.r.p.	No Restriction	25 kHz	ERC/REC/70-03	EN 300 220
869.400-869.650 MHz	500 mW e.r.p.	<10%	25 kHz	ERC/DEC/(01)04 ERC/REC/70-03	EN 300 220
869.700-870.000 MHz	5 mW e.r.p.	Up to 100%	No spacing	ERC/DEC/(01)04 ERC/REC/70-03	EN 300 220
2400-2483.5 MHz	10 mW e.i.r.p.	No Restriction	No spacing	ERC/DEC/(01)05 ERC/REC/70-03	EN 300 440
5725-5875 MHz	25 mW e.i.r.p.	No Restriction	No spacing	ERC/DEC/(01)06 ERC/REC/70-03	EN 300 440
24.00-24.25 GHz	100 mW e.i.r.p.	No Restriction	No spacing	ERC/REC/70-03	EN 300 440
61.0-61.5 GHz	100 mW e.i.r.p.	No Restriction	No spacing	ERC/REC/70-03	
122-123 GHz	100 mW e.i.r.p.	No Restriction	No spacing	ERC/REC/70-03	
244-246 GHz	100 mW e.i.r.p.	No Restriction	No spacing	ERC/REC/70-03	

2. SRDs used for detecting avalanche victims

Regulatory parameters

Frequency Band	Power	Application (Duty cycle)	Channel Spacing	CEPT or EC Document	ETSI Standard
457 kHz	7dB μ A/m at 10 m	Up to 100%	No Modulation – Continuous Wave -CW	ECC/DEC/(04)01 ERC/REC/70-03	EN 300 718

3. SRDs in Railway applications

The following table covers frequency bands and regulatory parameters recommended for applications intended for use on railways.

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
4515 kHz	7 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 330
27.095 MHz	42 dB μ A/m at 10 m		No Channel Spacing	ERC/REC/70-03	EN 300 330
2446-2454 MHz	500 mW e.i.r.p.	No Restriction		ERC/REC/70-03	EN 300 761

4. SRDs used for detecting movement and equipment for alert

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
2400-2483.5 MHz	25 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/DEC/(01)08 ERC/REC/70-03	EN 300 440
9200-9500 MHz	25 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 440
9500-9975 MHz	25 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 440
10.5-10.6 GHz	500 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 440
13.4-14.0 GHz	25 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 440
24.05-24.25 GHz	100 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 440

5. SRD used as alarms

The following table covers frequency bands and regulatory parameters recommended exclusively for alarm systems including social alarms and alarms for security and safety.

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
169.4750-169.4875 MHz	10 mW e.r.p.	<0.1%	12.5 kHz	ERC/DEC/(05)02 ERC/REC/70-03	EN 300 220
169.5875-169.600 MHz	10 mW e.r.p.	<0.1%	12.5 kHz	ERC/DEC/(05)02 ERC/REC/70-03	EN 300 220
868.6-868.7 MHz	10 mW e.r.p.	<0.1%	25 kHz	ERC/DEC/(01)09 ERC/REC/70-03	EN 300 220
869.20-869.25 MHz	10 mW e.r.p.	<0.1%	25 kHz	ERC/DEC/(97)06 ERC/REC/70-03	EN 300 220
869.25-869.30 MHz	10 mW e.r.p.	<0.1%	25 kHz	ERC/DEC/(01)09 ERC/REC/70-03	EN 300 220
869.65-869.70 MHz	25 mW e.r.p.	<10%	25 kHz	ERC/DEC/(01)09 ERC/REC/70-03	EN 300 220
869.3-869.4 MHz	10 mW e.r.p.	<1%	25 kHz	ERC/REC/70-03	EN 300 220

6. SRDs for model control

The following table covers frequency bands and regulatory parameters for the application of model control equipment, which is solely for the purpose of controlling the movement of the model, in air, on land or over/under the water surface.

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
26.995,27.045, 27.095 27.145, 27.195 MHz	100 mW e.r.p.	No Restriction	10 kHz	ERC/DEC/(01)10 ERC/REC/70-03	EN 300 220
34.995 - 35.225 MHz	100 mW e.r.p.	No Restriction	10 kHz	ERC/DEC/(01)11 ERC/REC/70-03	EN 300 220 Only for flying models
40.665, 40.675, 40.685, 40.695 MHz	100 mW e.r.p.	No Restriction	10 kHz	ERC/DEC/(01)12 ERC/REC/70-03	EN 300 220

7. SRDs with inductive applications

SRDs with inductive applications are used for: car immobilizers, animal identification, alarm systems, cable detection, personal identification, wireless voice links, access control, proximity sensors, anti theft systems including RF anti-theft induction systems, wireless control systems and automatic road tolling.

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
9-59.750 kHz	72 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)13 ERC/REC/70-03	EN 300 330
59.750-60.250 kHz	42 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)13 ERC/REC/70-03	EN 300 330
60.250-70 kHz	69dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)13 ERC/REC/70-03	EN 300 330
70-119 kHz	42 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)13 ERC/REC/70-03	EN 300 330
119-135 kHz	66 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)13 ERC/REC/70-03	EN 300 330
135-140.0 kHz 140.0-148.5 kHz	42 dB μ A/m at 10 m 37.7 dB μ A/m at 10m	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 330
148.5-1600 kHz	-5 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 330
3155-3400 kHz	13.5 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 330
6765-6795 kHz	42 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)14 ERC/REC/70-03	EN 300 330
7400-8800 kHz	9 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)15 ERC/REC/70-03	EN 300 330
13.553-13.567 MHz	42 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)14 ERC/REC/70-03	EN 300 330
26.957-27.283 MHz	42 dB μ A/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)16 ERC/REC/70-03	EN 300 330

8. Road transport and traffic telemetric - RTTT

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
5795-5805 MHz	2W e.i.r.p. 4 W e.i.r.p.	No Restriction		ERC/DEC/(02)01 ERC/REC/70-03	EN 300 674 ES 201 674
63-64 GHz			No Channel Spacing	ERC/DEC/(02)01 ERC/REC/70-03	
76-77 GHz	55 dBm peak	No Restriction	No Channel Spacing	ERC/DEC/(02)01 ERC/REC/70-03	EN 301 091

9. Radio microphones

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
29.7-47.0 MHz	10 Mw e.r.p.	Up to 100%	50 kHz	ERC/REC/70-03	EN 300 422
173.965-174.015 MHz	2 mW e.r.p.	Up to 100%	50 kHz	ERC/REC/70-03	EN 300 422
174-216 MHz	10 mW e.r.p. 50 mW e.r.p.	Up to 100%	No spacing	ERC/REC/70-03	EN 300 422

470-862 MHz	10 mW e.i.r.p. 50 mW e.i.r.p.	Up to 100%	200 kHz	ERC/REC/70-03	EN 300 422
863-865 MHz	10 mW e.i.r.p.	Up to 100%	200 kHz	ERC/REC/70-03	EN 300 422 EN 301 357
1795-1800 MHz	20 mW e.i.r.p. 50 mW e.i.r.p.	Up to 100%	No spacing	ERC/REC/70-03	EN 301 840

10. RF identification (RFID) systems

RF identification (RFID) systems include identification systems applied in different areas, e.g. alarm systems, access control, anti theft systems, wireless control systems.

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
865-868 MHz	100 mW e.i.r.p.	Listen Before Talk	200 kHz	ERC/REC/70-03	EN 302 208
865.6-867.6 MHz	2 W e.i.r.p.	Listen Before Talk	200 kHz	ERC/REC/70-03	EN 302 208
865.6-868 MHz	500 mW e.i.r.p.	Listen Before Talk	200 kHz	ERC/REC/70-03	EN 302 208
2446-2454 MHz	500 mW e.i.r.p. 4 W e.i.r.p.	Up to 100% <15%	No Channel Spacing	ERC/REC/70-03	EN 300 440

11. Wireless applications in health care

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
9-315 kHz	30 dB μ A/m at 10 m	<10%	No Channel Spacing	ERC/REC/70-03	EN 300 330
402-405 MHz	25 μ W e.i.r.p.	No Restriction	25 kHz	ERC/DEC/(01)17 ERC/REC/70-03	EN 301 839
315-600 kHz	-5 dB μ A/m at 10 m	<10%	No Channel Spacing	ERC/REC/70-03	EN 300 330
30-37.5 MHz	1 mW e.i.r.p.	<10%	No Channel Spacing	ERC/REC/70-03	EN 300 220

12. Wireless audio applications

The following table covers frequency bands and regulatory parameters for wireless audio systems including: cordless headphones, cordless headphone for portable use (for example for portable CD, or radio devices carried on a person), cordless headphone for use in a vehicle (for use with a radio or mobile phone), in-ear monitoring.

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
863-865 MHz	10 mW e.i.r.p.	Up to 100 %	No Channel Spacing	ERC/DEC/(01)18 ERC/REC/70-03	EN 301 357
864.8-865 MHz	10 mW e.i.r.p.	Up to 100 %	50 kHz	ERC/REC/70-03	EN 300 220
1795-1800 MHz	20 mW e.i.r.p.	Up to 100 %	No Channel Spacing	ERC/REC/70-03	EN 301 357
87.5-108 MHz	50 nW	Up to 100 %	200 kHz	ERC/REC/70-03	EN 301 357

13. Broadband systems for data transmission (WAS/RLANs)

This table covers frequency bands and regulatory as well as informative parameters for Broadband systems (WAS/RLAN), within the bands 2400-2483.5MHz, 5150-5350 MHz, and 5470-5725 MHz.

Frequency Band	Power	Application	Channel Spacing	CEPT Document	ETSI Standard
2400-2483.5 MHz	100 mW e.i.r.p./ Integral antenna (no external antenna socket) or dedicated	Restricted to Indoor use	No Channel Spacing	ERC/DEC/(01)07 ERC/DEC/(04)07 ERC/REC/70-03	EN 300 328
2400-2483.5 MHz	100 mW e.i.r.p. Integral antenna (no external antenna socket) or dedicated For direct sequence spread spectrum technique, the maximum spectrum power density is limited to -20dBW/1 MHz For frequency hopping spread spectrum technique, the maximum spectrum power density is limited to -10dBW/100 kHz	Network architecture: point-to-multipoint with fixed access. Minimum data transmission speed 250 kbit/s	No Channel Spacing - whole indicated frequency spectrum can be used.	ERC/DEC/(01)07 ERC/REC/70-03	EN 300 328
5150-5350 MHz	200 mW max average	Restricted to Indoor use	No restriction	ERC/DEC/(99)24 ECC/DEC/(04)08 ERC/REC/70-03	ETS 300 836 EN 301 893
5470-5725 MHz	Maximum mean e.i.r.p. limited to 1 W and maximum mean e.i.r.p. density to 50 mW/MHz in any 1 MHz band.	Obligatory use of Dynamic Frequency Selection. Transmitter power control, which provides, on average, a mitigation factor of at	No restriction	ECC/DEC/(04)08 ERC/REC/70-03	EN 301 893

ANNEX 2 Notification Form

1. Applicant

1.1.	Name of the business /organization	
1.2.	Address	
1.3.	Telephone/Telefax/E-mail	
1.4.	Name of contact person	
1.5.	Telephone/Telefax/E-mail	

2. Technical parameters

2.1	Manufacturer	
2.2	User	
2.3	Product family type	
2.4	Category of equipment	
2.5	Reference standard	
2.6	ITU emission class	
2.7	Frequency band	
2.8	Channel spacing	
2.9	RF output power	
2.10	Duty cycle	
2.11	Type of antenna	

3. Test reports

Test specifications

Test house

RF test report		
EMC test report		
Safety test report		

4. Annexed documents

- Declaration of conformity
- Technical description
- Renewal every two years

We declare the information in this application is correct

Place and date	Signature