Pursuant to Article 111, paragraph 2 of the Law on Electronic Communications ("Official Gazette of the Republic of Serbia", No. 35/23), the Council of the Regulatory Authority for Electronic Communications and Postal Services, at its 41st session of the fourth convocation held on October 29, 2024, hereby adopts this

Rulebook on the conditions for the assignment and use of radio frequency spectrum under the general authorization regime

The Rulebook was published in the "Official Gazette of the Republic of Serbia", No. 88/2024 of 7.11.2024. and entered into force on 15.11.2024.

Article 1.

This Rulebook stipulates in more detail the conditions for the assignment and use of the radio frequency spectrum used under the general authorization regime, as well as the notification of certain types of radio stations operating in radio frequency bands used under the general authorization regime.

Article 2.

Certain terms, for the purposes of this Rulebook, shall have the following meaning:

1) Adaptive Frequency Agility (AFA) is the ability of a device to dynamically change the temporary operating channel within its available radio frequencies for proper operation. This term is, depending on the type of device, explained in detail in the relevant Serbian standard;

2) Frequency adaptability is the ability of a device to avoid using permitted operating channels that it has determined to be temporarily or permanently unsuitable for use;

3) Frequency agility is the ability of a device to dynamically change the operating channel;

4) Adaptive Power Control (APC) is the mechanism used by a device to adjust the output power to the minimum necessary to maintain a reliable connection. This term is, depending on the type of device, explained in detail in the relevant Serbian standard;

5) Automatic Transmit Power Control (ATPC) is a technique that automatically controls the output power of a transmitter, resulting in reduced interference to other systems;

6) Burst is a period during which radio waves are intentionally transmitted, preceded and followed by periods during which no intentional transmission is made;

7) Dwell time is, in general, a time interval in which a certain radio frequency band (hereinafter: RF band) is occupied. This term is, depending on the type of device, explained in detail in the relevant Serbian standard;

8) “Detect and Avoid” (DAA) is, in general, a technique that provides protection to other radiocommunication services by setting various parameters, depending on the type of device. This term is, depending on the type of device, explained in detail in the relevant Serbian standard;

9) Dynamic Frequency Selection (DFS) is a function that:

(1) detects interference from radar systems (radar detection) and avoids co-channel operation with these systems, and

(2) provide on aggregate a near-uniform loading of the radio frequency spectrum (hereinafter: RF spectrum), i.e. uniform spectrum spread.

This term is, depending on the type of device, explained in detail in the relevant Serbian standard;

10) Eurobalise is a trackside transmission unit that uses magnetic transponder technology;

11) Euroloop is a trackside transmission unit that uses magnetic transmission technology;

12) Transmit Power Control (TPC) is a technique that controls the output power of the transmitter, resulting in reduced interference to other systems;

13) Frequency Hopping Spread Spectrum (FHSS) is a technique in which a transmitter signal occupies a certain number of radio frequencies in time, each for some period of time, referred to as the dwell time;

14) Duty Cycle (DC) is the ratio, expressed as a percentage, of the cumulative duration of transmission Ton_cum within an observation interval Tobs ($DC = \frac{\text{Ton\_cum}}{\text{Tobs}}$)$_{\text{Fobs}}$ over the observation bandwidth Fobs;15) „Listen Before Talk“ (LBT) is a mechanism used by equipment to assess channel occupancy before using that channel;

16) “Illumination time” is, for a device with scanning antennas, the time during which a given point in the far field is within the main beam(s) of the antenna(s);

17) “Silent time” is the time required for unobstructed detection by automotive radar systems;

18) Short Range Device (SRD) is a radio device that enables one-way or two-way communication and receives and/or transmits over a short distance with low power;

19) Ultra WideBand (UWB) technology refers to a short-range radio communication technology that involves the intentional generation and transmission of radio frequency energy that spreads over a very large RF band, which may overlap with several RF bands allocated to radio communication services;

20) Network Access Point (NAP) in data networks is a fixed terrestrial short-range device acts as a connection point for the other short-range devices in data networks to service platforms located outside the data network. The term data network refers to several SRD devices, including the network access point, as network components and the wireless links that connect them.

Other terms used in this Rulebook, whose meaning is not prescribed in paragraph 1 of this Article, shall have the meaning given in the Rulebook on the establishment of the Allocation Plan for radio frequency bands (“Official Gazette of the Republic of Serbia”, No. 9/24, hereinafter: Allocation Plan).

The list of abbreviations used in this Rulebook is given in Annex 3, which is printed with this Rulebook and forms an integral part thereof (hereinafter: Annex 3).

Article 3.

Every person has the right to use the RF band, which according to the Allocation Plan is used under the general authorization regime, in accordance with this Rulebook.

The conditions for the assignment and use of the RF bands referred to in paragraph 1 of this Article, in which notification of radio stations is not required, are given in Annex 1, which is printed with this Rulebook and forms an integral part thereof (hereinafter: Annex 1).

The conditions for the assignment and use of the RF bands referred to in paragraph 1 of this Article, in which notification of radio stations is required, as well as the notification application forms:

1) Form ERF001 – Application for notification of a radio station in the radio frequency bands 2400-2483.5 MHz, 5470-5725 MHz, 5725-5875 MHz and 59.4-71 GHz;

2) Form ERF002 – Application for notification of a radio station in the radio frequency band 71-76 GHz/81-86 GHz;

3) Form ERF003 – Application for notification of a CB radio station in the radio frequency band 27 MHz,

are given in Annex 2, which is printed with this Rulebook and represents an integral part thereof (hereinafter: Annex 2).

Radio stations operating in the RF bands referred to in paragraph 1 of this Article shall not cause harmful interference to any radiocommunication service and shall not claim protection from harmful interference caused by any radiocommunication service operating in accordance with the Allocation Plan.

Article 4.

The Regulatory Authority for Electronic Communications and Postal Services (hereinafter: the Regulator) shall keep and regularly update the records of radio stations referred to in Article 3, paragraph 3 of this Rulebook.

The records of radio stations shall be kept in the form of a register. The Regulator shall publish data on registered radio stations on its website.

The Regulator shall carry out the procedure for registering radio stations in the manner and under the conditions of assignment and use of the RF spectrum, which are given in Annex 2 to this Rulebook.

Article 5.

An application for notification shall be submitted by a person who intends to use a radio station in the RF band referred to in Article 3, paragraph 1 of this Rulebook.

The application referred to in paragraph 1 of this Article shall be submitted to the Regulator within 30 days prior to the start of operation of the radio station, on the appropriate form referred to in Article 3, paragraph 3 of this Rulebook, i.e. in Annex 2 to this Rulebook.

Notification of applications shall be carried out in the order in which the application was submitted. The Regulator shall record the use of the RF band under the general authorization regime by entering it in the register of radio stations, if the conditions set out in Annex 2 to this Rulebook are met.

The Regulator shall notify the applicant referred to in paragraph 1 of this Article of the completed notification procedure.

A person who uses radio frequencies under the general authorization regime in the manner and under the conditions set out in Annex 2 (hereinafter: the right holder) shall be obliged to start using the RF band within two months from the date of entry of the radio station in the register of radio stations.

The right holder shall be obliged to notify the Regulator of the cessation of the need to use the RF band in which the radio station was registered.

Article 6.

The Regulator shall delete the right holder from the radio station register in the following cases:

1) when the right holder notifies the Regulator in writing that he is not using the RF band in which he registered the radio station;

2) if the Regulator determines that the right holder is not using the RF band in which he registered the radio station, after the expiry of the prescribed first use deadline;

3) when the right holder is not using the RF band in which he registered the radio station, under the conditions of assignment and use set out in Annex 2 to this Rulebook.

Article 7.

On the date of entry into force of this Rulebook, the Rulebook on the manner of use of radio frequencies under the general authorization regime ("Official Gazette of the Republic of Serbia", No. 28/13) shall cease to be valid.

Article 8.

This Rulebook shall enter into force on the eighth day after its publication in the "Official Gazette of the Republic of Serbia".

Number 001434636 2024 50911 001 000 012 005 04 008
In Belgrade, 29 October 2024

Chair of the Council, Dragan Kovačević, m.p.

Annex 1

CONDITIONS FOR THE ASSIGNMENT AND USE OF RADIO FREQUENCY BANDS USED UNDER THE GENERAL AUTHORIZATION REGIME IN WHICH NOTIFICATION OF RADIO STATIONS IS NOT REQUIRED

1.1. NON-SPECIFIC SHORT RANGE DEVICES (SRD)

Table 1.1. contains RF bands, as well as regulatory and informational parameters, which apply to all types of applications and are primarily intended for telemetry, telecommand, alarms and data transmission in general and other similar applications. Video applications should be preferably used in RF bands above 2.4 GHz.

This table also includes generic regulations for devices using UWB technology, which are primarily developed with the aim of providing communication applications using UWB technology in RF bands below 10.6 GHz, but also enable other types of radio applications.

Table 1.1. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes

a 13553-13567 kHz	10 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330	The RF band is also used in accordance with Annex 1, Table 1.9.
b 26957-27283 kHz	10 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 220 SRPS EN 300 330	The RF band is also used in accordance with Annex 1, Table 1.9. The use of the RF band by Unmanned Aircraft Systems (UAS) with a maximum e.r.p. power of up to 100 mW is permitted.
c1 26990-27000 kHz	100 mW e.r.p.	≤ 0.1% DC	Not specified	ERC/REC/70-03 SRPS EN 300 220	The RF band is also used in accordance with Annex 1, Table 1.8.
c2 27040-27050 kHz	100 mW e.r.p.	≤ 0.1% DC	Not specified	ERC/REC/70-03 SRPS EN 300 220	The RF band is also used in accordance with Annex 1, Table 1.8.
c3 27090-27100 kHz	100 mW e.r.p.	≤ 0.1% DC	Not specified	ERC/REC/70-03 SRPS EN 300 220	The RF band is also used in accordance with Annex 1, Table 1.8.
c4 27140-27150 kHz	100 mW e.r.p.	≤ 0.1% DC	Not specified	ERC/REC/70-03 SRPS EN 300 220	The RF band is also used in accordance with Annex 1, Table 1.8.
c5 27190-27200 kHz	100 mW e.r.p.	≤ 0.1% DC	Not specified	ERC/REC/70-03 SRPS EN 300 220	The RF band is also used in accordance with Annex 1, Table 1.8.
d 40.66-40.7 MHz	10 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 220	The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted.
e 138.2-138.45 MHz	10 mW e.r.p.	≤1.0% DC	Not specified	ERC/REC/70-03 SRPS EN 300 220	
f1 169.4-169.475 MHz	500 mW e.r.p.	≤ 1% DC	Not specified	ERC/REC/70-03	The RF band is also used in accordance

				ECC/DEC/(05)02 SRPS EN 300 220	with Annex 1, Tables 1.2. and 1.10.
f2 169.4-169.4875 MHz	10 mW e.r.p.	≤ 0.1% DC	Not specified	ERC/REC/70-03 ECC/DEC/(05)02 SRPS EN 300 220	
f3 169.4875-169.5875 MHz	10 mW e.r.p.	≤ 0.001% DC, except for 00:00 h to 06:00 h local time, with DC ≤ 0.1%	Not specified	ERC/REC/70-03 ECC/DEC/(05)02 SRPS EN 300 220	The RF band is also used in accordance with Annex 1, Table 1.10.
f4 169.5875-169.8125 MHz	10 mW e.r.p.	≤ 0.1% DC	Not specified	ERC/REC/70-03 ECC/DEC/(05)02 SRPS EN 300 220	
g1 433.05-434.79 MHz	10 mW e.r.p.	<10% DC	Not specified	ERC/REC/70-03 SRPS EN 300 220	The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted.
g2 433.05-434.79 MHz	1 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 220	
g3 434.04-434.79 MHz	10 mW e.r.p.	No requirement	≤ 25 kHz	ERC/REC/70-03 SRPS EN 300 220	
h0 862-863 MHz	25 mW e.r.p.	≤ 0.1% DC	≤ 350 kHz	ERC/REC/70-03 SRPS EN 300 220	SRD devices vendors, which use the 862-863 MHz RF band, are required to assess the risk and accept responsibility when deciding whether these devices shall be capable of operating in the presence of high levels of noise, originating from out - of-band emissions of

					MFCN terminals, and to design the devices accordingly.
h1.0 863-870 MHz	25 mW e.r.p.	≤ 0.1% DC The duty cycle applies to the entire transmission (not to each hop channel)	≤ 100 kHz for 47 or more hop channels	ERC/REC/70-03 SRPS EN 300 220	FHSS The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted. RF bands used for alarms are excluded. Parts of this RF band are also used in accordance with Annex 1, Tables 1.2, 1.3, 1.10. and 1.11.
h1.2 863-870 MHz	25 mW e.r.p. Power density: -4.5 dBm/100 kHz e.r.p	≤ 0.1% DC or LBT+AFA	Not specified	ERC/REC/70-03 SRPS EN 300 220	For Non-FHSS. The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted. RF bands used for alarms are excluded. Parts of this RF band are also used in accordance with Annex 1, Tables 1.2, 1.3, 1.10. and 1.11.
h1.3 863-865 MHz	25 mW e.r.p.	≤ 0.1% DC or LBT+AFA	Not specified	ERC/REC/70-03 SRPS EN 300 220	The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted. The RF band is also used in accordance with Annex 1, Tables 1.3. and 1.10.
h1.4 865-868 MHz	25 mW e.r.p.	≤ 1% DC or LBT+AFA	Not specified	ERC/REC/70-03 SRPS EN 300 220	The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted. The RF band is also used in accordance

					with Annex 1, Tables 1.2, 1.3, and 1.11.
h1.5 868-868.6 MHz	25 mW e.r.p.	<1% DC or LBT+AFA	Not specified	ERC/REC/70-03 SRPS EN 300 220	The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted.
h1.6 868.7-869.2 MHz	25 mW e.r.p.	≤0.1% DC or LBT+AFA	Not specified	ERC/REC/70-03 SRPS EN 300 220	The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted.
h1.7 869.4-869.65 MHz	500 mW e.r.p.	<10% DC or LBT+AFA	Not specified	ERC/REC/70-03 SRPS EN 300 220	The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted.
h1.8 869.7-870 MHz	5 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 220	The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted.
h1.9 869.7-870 MHz	25 mW e.r.p.	≤ 1% DC or LBT+AFA	Not specified	ERC/REC/70-03 SRPS EN 300 220	The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted.
h2 870-874.4 MHz	25 mW e.r.p.	≤ 1% DC	≤600 kHz	ERC/REC/70-03 SRPS EN 300 220	For new applications, it is necessary to follow the technical conditions prescribed for SRD devices in data transmission networks (Table 1.2). The RF band is also alocated for defense and security authorities – the Serbian Army, the Ministry of the Interior. The RF band is also used in accordance with Annex 1, Table 1.2.
h3 915-919.4 MHz	25 mW e.r.p. except within the RFID channels (centre radio frequencies	≤ 1% DC	≤600 kHz except within the RFID channels (centre radio frequencies 916.3, 917.5, 918.7	ERC/REC/70-03 SRPS EN 300 220	The RF band is also alocated for defense and security authorities – the Serbian Army, the

	916.3, 917.5, 918.7MHz) where 100 mW e.r.p. applies		MHz) where ≤400 kHz applies		Ministry of the Interior. The RF band is also used in accordance with Annex 1, Table 1.11.
i 2400-2483.5 MHz	10 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 440	Use is permitted on-board aircraft, vehicles (passenger cars, lorries, buses) and trains. The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted. The RF band is also used in accordance with Annex 1, Table 1.6. and Annex 2, Table 2.1.
j 5725-5875 MHz	25 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 440	Use is permitted on-board aircraft and trains. Use is permitted in vehicles (passenger cars, lorries, buses) in accordance with the conclusion of the ECC Report 277. The use of the RF band by Unmanned Aircraft Systems (UAS) is permitted.
k1 3100-4800 MHz	*	*	*	ERC/REC/70-03 ECC/DEC/(06)04 SRPS EN 302 065	Generic UWB regulation *Detailed requirements are prescribed in the ECC decision.
k2 6000-9000 MHz	*	*	*	ERC/REC/70-03 ECC/DEC/(06)04 SRPS EN 302 065	Generic UWB regulation *Detailed requirements are

					prescribed in the ECC decision.
l 6000 – 8500 MHz	*	*	*	ERC/REC/70-03 ECC/DEC/(12)03 SRPS EN 302 065	UWB regulation on-board aircraft. *Detailed requirements are prescribed in the ECC decision.
m 24-24.25 GHz	100 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 440	The RF band is also used in accordance with Annex 1, Table 1.5.
n1 57-64 GHz	100 mW e.i.r.p. 10 mW output power of the transmitter	No requirement	Not specified	ERC/REC/70-03 SRPS EN 305 550	The RF band is also used in accordance with Annex 1, Tables 1.6. and 1.3.
n2 61-61.5 GHz	100 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 305 550	
o1 122-122.25 GHz	10 dBm/250 MHz e.i.r.p. - 48 dBm/ MHz elevation > 30°	No requirement	Not specified	ERC/REC/70-03 SRPS EN 305 550	Limitations should be measured with an RMS detector and an averaging time of 1ms or less.
o2 122.25-123 GHz	100 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 305 550	
p 244-246 GHz	100 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 305 550	

Instead of DC restriction, LBT with AFA may be used.

RF bands: a), b), c1) to c5), d), g1) to g3), i), j), m), n1), n2), o1), o2), p) are also intended for ISM applications, as defined in the International Radio Regulations (Radio Regulations Edition 2020, hereinafter: ITU Radio Regulations).

Certain channels in the RF bands h1.0), h1.2) and h1.4) may be occupied by RFID interrogators transmitting at higher power (Annex 1, Table 1.11). To reduce the risk of RFID interference, SRD devices should use LBT with AFA or be separated by the required distance. In the case of higher power RFID interrogators, distances can vary from 918 m (indoors) to 3.6 km (in rural outdoor). In the remaining part of the 2.2 MHz RF spectrum, where tags operate with an e.r.p. of -20 dBm, distances may vary from 24 m (indoors) to 58 m (in rural outdoor).

The adjacent RF bands below 862 MHz and above 870 MHz may be used by systems operating with higher power.

1.2. TRACKING, TRACING AND DATA ACQUISITION SRDs

Table 1.2. contains RF bands, as well as regulatory and informational parameters related to applications fortracking, tracing and data acquistion, which include:

1) emergency detection of buried victims and valuable objects, such as avalanche victim detection;
2) person detection and collision avoidance;
3) meter reading devices;
4) sensors (for water, gas, electricity, meteorology, pollution, etc) and actuators (traffic control devices – traffic lights, street lighting);
5) data acquistion devices;
6) Wireless Industrial Applications (WIA) used in industrial environments, including monitoring and worker communication, wireless sensors and actuators.

Table 1.2. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a1 442.2-450 kHz	7 dBμA/m at 10 m	No requirement	CW – no modulation, channel spacing ≥150 Hz	ERC/REC/70-03	Person detection and collision avoidance.
a2 456.9-457.1 kHz	7 dBμA/m at 10 m	No requirement	CW at 457 kHz – no modulation	ERC/REC/70-03 SRPS EN 300 718	Emergency detection of buried victims and valuable items.
b 169.4-169.475 MHz	500 mW e.r.p.	≤10% DC	Not specified	ERC/REC/70-03 ECC/DEC/(05)02 SRPS EN 300 220	Meter Reading Devices. The RF band is also used in accordance with Annex 1, Table 1.1.
c1 865-868 MHz	500 mW e.r.p.	DC: ≤ 10% duty cycle for network	≤200 kHz	ERC/REC/70-03	Data networks. APC needed to reduce

		access points and ≤ 2.5% otherwise APC required			the equipment's ERP from its maximum to ≤ 5 mW. Transmission is only permitted within the following RF bands: 865.6-865.8 MHz, 866.2-866.4 MHz, 866.8-867.0 MHz and 867.4-867.6 MHz. The RF band is also alocated for defense and security authorities – the Serbian Army, the Ministry of the Interior. The RF band is also used in accordance with Annex 1, Tables 1.1, 1.3. and 1.11.
c2 870-874.4 MHz	500 mW e.r.p.	DC: ≤ 10% duty cycle for network access points and ≤ 2.5% otherwise	≤200 kHz	ERC/REC/70-03 SRPS EN 303 204	Data networks. All nomadic and mobile devices within the data network shall be controlled by a master

		APC required			network access point (NAP). APC is able to reduce the equipment's ERP from its maximum to ≤ 5 mW. The RF band is also alocated for defense and security authorities – the Serbian Army, the Ministry of the Interior. The RF band is also used in accordance with Annex 1, Table 1.1.
d 5725-5875 MHz	400 mW e.i.r.p. APC required	Adequate spectrum sharing mechanisms (e.g. DFS and DAA) shall be implemente d	≥1 MHz and ≤ 20 MHz	ERC/REC/70-03 SRPS EN 303 258	WIA APC is able to reduce the e.i.r.p. to ≤ 25 mW. DFS is required in the frequency range 5725-5850 MHz to ensure an appropriate protection to the radiolocation service (including frequency hopping radars),

					DAA is required in the frequency range 5855-5875 MHz for the protection of ITS, in the frequency range 5725-5875 MHz for the protection of BFWA, and in the frequency range 5795-5815 MHz for the protection of TTT applications. The RF band is also used in accordance with Annex 1, Table 1.1.

1.3. WIDEBAND DATA TRANSMISSION SYSTEMS

Table 1.3 contains RF bands, as well as regulatory and informational parameters related to wideband data transmission systems.

Table 1.3. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Note
a1 863-868 MHz	25 mW e.r.p.	DC ≤ 10% for network access points DC ≤ 2.8% otherwise	> 600 kHz ≤ 1 MHz	ERC/REC/70-03	Wideband data transmission in data networks. The RF band is also

					used in accordance with Annex 1, Tables 1.1, 1.2,1.10 and 1.11.
c1 57-71 GHz	40 dBm e.i.r.p, 23 dBm/MHz e.i.r.p. density	Adequate spectrum sharing mechanism shall be implemented.	Not specified	ERC/REC/70-03 SRPS EN 302 567	Fixed outdoor installations are not allowed.

1.4. RAILWAY APPLICATIONS

Table 1.4 contains RF bands, as well as regulatory and informational parameters related to applications used on railways.

Table 1.4. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a 984-7484 kHz	9 dBμA/m at 10 m	≤ 1% DC	Not specified	ERC/REC/70-03 SRPS EN 302 608	Balise/Eurobalise uplink signal (ground-train). Transmitting only on receipt of a Balise/Eurobalise tele-powering signal from a train. Centre frequency 4234 kHz.
b 7300-23000 kHz	-7 dBμA/m at 10 m	No requirement	Not specified	ERC/REC/70-03 SRPS EN 302 609	Loop/Euroloop uplink signal (ground-train). Maximum field strength specified in a bandwidth of 10 kHz, spatially averaged over any 200 m length of

					the loop. Transmitting only in presence of trains. Spread Spectrum Signal, Code Length: 472 Chips Centre frequency is 13.547 MHz.
c 27090 - 27100 kHz	42 dBμA/m at 10 m	No requirement	Not specified	ERC/REC/70 -03 SRPS EN 302 608	Tele-powering and Down-link signal for Balise/Eurobalise (train-ground). May also be optionally used for the activation of the Loop/Euroloop. Centre frequency is 27.095 MHz.
d 76-77GHz	55 dBm peak e.i.r.p.	No requirement	Not specified	ERC/REC/70 -03 SRPS EN 301 091	Obstruction/Vehicl e detection via radar at railway level crossings. Maximum 23.5 dBm average power for pulse radar, maximum 50 dBm average power for other. The RF band is also used in accordance with Annex 1, Table 1.5.

1.5. TRANSPORT AND TRAFFIC TELEMATICS – TTT

Table 1.5. contains RF bands and regulatory and information parameters for radio systems used in the fields of transport and telematics in traffic (road, rail and waterborne, depending on the relevant technical constraints), traffic management, navigation and mobility management. Typical applications are used for all types of vehicle-to-vehicle communication (e.g. car-to-car), vehicle-to-fixed location (e.g. car-to-infrastructure) and communication from and to users, as well as radar system installations. Automotiv radar is defined as a moving radar device that supports vehicle

functions. The RF band designated as e2) is limited to obstacle detection radars for rotorcraft use.

Table 1.5. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a 5795-5805 MHz	2 W e.i.r.p.	No requirement		ERC/ REC/70-03 SRPS EN 300 674	
b 5805-5815 MHz	2 W e.i.r.p.	No requirement		ERC/ REC/70-03 SRPS EN 300 674	
c1 21.65-26.65 GHz	*	*	*	ERC/REC/70-03 ECC/DEC/(04)10 SRPS EN 302 288	For automotive Short Range Radars (SRR). *Detailed requirements are prescribed in related ECC Decision. No SRR equipment may be placed onto the market any more. Only SRR devices placed on the market before 1.7.2013. are in use.
c2 24.25-	*	*	*	ERC/REC/70-03	For automotive

26.65 GHz				ECC/DEC/(04)10 SRPS EN 302 288	Short Range Radars (SRR). *Detailed requirements are prescribed in related ECC Decision. Only SRR devices placed on the market before 1.1.2018 are in use. This date is extended by 4 years for SRR equipment mounted on motor vehicles for which vehicle conformity compliance has been granted before 1 January 2018, in accordance with special regulations governing vehicle homologation.
d1 24.05-24.075 GHz	100 mW e.i.r.p.	No requirement		ERC/REC/70-03 SRPS EN 302 858	For automotive radars.
d2 24.075-24.15 GHz	0.1 mW e.i.r.p.	No requirement		ERC/REC/70-03 SRPS EN 302 858	For automotive radars.

d3 24.075 -24.15 GHz	100 mW e.i.r.p.	≤ 4 μs/40 kHz dwell time every 3 ms		ERC/REC/70-03 SRPS EN 302 858	For automotive radars (road vehicles only). The requirement is given for devices mounted behind a bumper. If mounted without a bumper, the requirement should be 3 μs/40kHz maximum dwell time every 3ms. A requirement for minimum frequency modulation range (applicable to FMCW or step frequency signals) or minimum instantaneous bandwidth (applicable to pulsed signal) of 250 kHz applies in addition to the requirement on maximum dwell time.
d4 24.075 -24.15 GHz	100 mW e.i.r.p.	≤1 ms/40 kHz dwell time every 40 ms		ERC/ REC/70-03 SRPS EN 302 858	For automotive radars (road vehicles only).

					The requirement is given for devices mounted behind a bumper or mounted without a bumper. A requirement for minimum frequency modulation range (applicable to FMCW or step frequency signals) or minimum instantaneous bandwidth (applicable to pulsed signal) of 250 kHz applies in addition to the requirement on maximum dwell time.
d5 24.15-24.25 GHz	100 mW e.i.r.p.	No requirement		ERC/REC/70-03 SRPS EN 302 858	For automotive radars (road vehicles only).
e1 76-77 GHz	55 dBm peak e.i.r.p.	*	Not specified	ERC/REC/70-03 ECC Report 262 SRPS EN 301 091	For ground based vehicle and infrastructure systems only. Maximum 23.5 dBm average power for pulse radar, maximum 50

					dBm average power for other. The RF band is also used in accordance with Annex 1, Table 1.4. * Fixed transportation infrastructure radars have to be of a scanning nature in order to limit the illumination time and ensure a minimum silent time to achieve coexistence with automotive radar systems.
e2 76-77 GHz	*	*	*	ERC/REC/70-03 ECC/DEC/(16)01 SRPS EN 303 360	For obstacle detection radars for rotorcraft use. * Detailed requirements are prescribed in related ECC Decision.
f 5855-5875 MHz	33 dBm e.i.r.p.			ECC/REC/(08)01 SRPS EN 302 571	ITS Maximum power spectral density 23 dBm/ MHz

					e.i.r.p. and TPC range 30 dB.
5875-5925 MHz	33 dBm e.i.r.p.			ECC/DEC/(08)01 SRPS EN 302 571	ITS Maximum power spectral density 23 dBm/ MHz e.i.r.p. and TPC range 30 dB.

1.6. RADIODETERMINATION APPLICATIONS

Table 1.6. contains RF bands, as well as regulatory and information parameters related to SRD devices for radiodetermination applications, including equipment for detecting movement and alert. Radiodetermination is defined as the determination of the position, velocity and/or other characteristics of objects, or the obtaining of information related to these parameters, using the properties of radio wave propagation.

Radiodetermination equipment typically conducts measurements to obtain such characteristics. Any kind of point-to-point or point-to-multipoint radio communications is outside of this definition.

Table 1.6. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a 30 MHz-12.4 GHz	*	*	*	ERC/REC/70-03 ECC/DEC/(06)08 SRPS EN 302 066	GPR/WPR imaging systems. * Detailed requirements are prescribed in the ECC decision.
b 2200-8000 MHz	*	*	*	ERC/REC/70-03 ECC/DEC/(07)01	Material Sensing Devices. * Detailed requirements are prescribed

				SRPS EN 302 065	in the ECC decision.
c 2400-2483.5 MHz	25 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 440	
d 3100-4800 MHz	*	*	*	ERC/REC/70-03 ECC/REC/(11)09 SRPS EN 302 065	UWB – LT2 * Detailed requirements are prescribed in the ECC recommendation.
e 3100-4800 MHz	*	*	*	ERC/REC/70-03 ECC/REC/(11)10 SRPS EN 302 065	UWB – LAES * Detailed requirements are prescribed in the ECC recommendation.
f1 4500-7000 MHz	-41.3 dBm/MHz e.i.r.p. (outside the enclosed test tank structure)	No requirement	Not specified	ERC/REC/70-03 SRPS EN 302 372	TLPR
f2 8.5-10.6 GHz	-41.3 dBm/MHz e.i.r.p. (outside the enclosed test tank structure)	No requirement	Not specified	ERC/REC/70-03 SRPS EN 302 372	TLPR The radiated unwanted emissions within the frequency band 10.6-10.7 GHz outside the test tank enclosure shall be less than -60 dBm/MHz
f3 24.05-27 GHz	-41.3 dBm/MHz e.i.r.p. (outside the enclosed test tank structure)	No requirement	Not specified	ERC/REC/70-03 SRPS EN 302 372	TLPR

f4 57-64 GHz	-41.3 dBm/MHz e.i.r.p. (outside the enclosed test tank structure)	No requirement	Not specified	ERC/REC/70-03 SRPS EN 302 372	TLPR
f5 75-85 GHz	-41.3 dBm/MHz e.i.r.p. (outside the enclosed test tank structure)	No requirement	Not specified	ERC/REC/70-03 SRPS EN 302 372	TLPR
g1 6.0-8.5 GHz	*	*	*	ERC/REC/70-03 ECC/DEC/(11)02 SRPS EN 302 729	For Industrial Level Probing Radar (LPR). *Detailed requirements are prescribed in the ECC decision.
g2 24.05-26.5 GHz	*	*	*	ERC/REC/70-03 ECC/DEC/(11)02 SRPS EN 302 729	For Industrial Level Probing Radar (LPR). *Detailed requirements are prescribed in the ECC decision.
g3 57-64 GHz	*	*	*	ERC/REC/70-03 ECC/DEC/(11)02 SRPS EN 302 729	For Industrial Level Probing Radar (LPR). *Detailed requirements are prescribed in the ECC decision.
g4 75-85 GHz	*	*	*	ERC/REC/70-03 ECC/DEC/(11)02 SRPS EN 302 729	For Industrial Level Probing Radar (LPR). *Detailed requirements are prescribed

					in the ECC decision.
h 9200-9500 MHz	25 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 440	
i 9500-9975 MHz	25 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 440	
j 10.5-10.6 GHz	500 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 440	
k 13.4-14.0 GHz	25 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 440	
l 17.1-17.3 GHz	26 dBm e.i.r.p.	DAA	Not specified	ERC/REC/70-03 SRPS EN 303 661	GBSAR Specific requirements for the radar antenna pattern and for the implementation of Detect And Avoid (DAA) technique are defined in the Serbian standard.
m 24.05-24.25 GHz	100 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 440	The RF band is also used in accordance with Annex 1, Table 1.1.
o 76-77 GHz	*	*	*	ERC/REC/70-03 ECC/DEC/(21)02 SRPS EN 303 661	HD-GBSAR *Detailed requirements are prescribed in the ECC decision.

1.7. ALARMS

Table 1.7 contains RF bands, as well as regulatory and informational parameters that apply exclusively to alarm systems including social alarms (for assisting the elderly and people with disabilities) and alarms for safety and security.

Table 1.7. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a 868.6-868.7 MHz	10 mW e.r.p.	≤1.0% DC	25 kHz	ERC/REC/70-03 SRPS EN 300 220 SRPS EN 303 406	Alarms The whole frequency band may also be used as a single high speed transmission channel.
b 869.2-869.25 MHz	10 mW e.r.p.	≤0.1% DC	25 kHz	ERC/REC/70-03 SRPS EN 300 220	Social alarms
c 869.25-869.3 MHz	10 mW e.r.p.	≤0.1% DC	25 kHz	ERC/REC/70-03 SRPS EN 300 220 SRPS EN 303 406	Alarms
d 869.3-869.4 MHz	10 mW e.r.p.	≤1.0% DC	25 kHz	ERC/REC/70-03 SRPS EN 300 220 SRPS EN 303 406	Alarms
e 869.65-869.7 MHz	25 mW e.r.p.	≤10% DC	25 kHz	ERC/REC/70-03 SRPS EN 300 220 SRPS EN 303 406	Alarms

1.8. MODEL CONTROL

Table 1.8. contains RF bands, as well as regulatory and informational parameters related to applications for model control equipment, which are exclusively intended for controlling the movement of models in the air, on land or over or under the surface of the water. It should be noted that the listed RF bands are not used exclusively for model control.

Table 1.8. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a1 26990-27000 kHz	100 mW e.r.p.	No requirement	10 kHz	ERC/REC/70-03 SRPS EN 300 220	
a2 27040-27050 kHz	100 mW e.r.p.	No requirement	10 kHz	ERC/REC/70-03 SRPS EN 300 220	
a3 27090-27100 kHz	100 mW e.r.p.	No requirement	10 kHz	ERC/REC/70-03 SRPS EN 300 220	
a4 27140-27150 kHz	100 mW e.r.p.	No requirement	10 kHz	ERC/REC/70-03 SRPS EN 300 220	
a5 27190-27200 kHz	100 mW e.r.p.	No requirement	10 kHz	ERC/REC/70-03 SRPS EN 300 220	
b 34.995-35.225 MHz	100 mW e.r.p.	No requirement	10 kHz	ERC/REC/70-03 ERC/DEC/(01)11 SRPS EN 300 220	Only for flying models.
c1 40.66-40.67 MHz	100 mW e.r.p.	No requirement	10 kHz	ERC/REC/70-03 ERC/DEC/(01)12 SRPS EN 300 220	
c2 40.67-	100 mW e.r.p.	No requirement	10 kHz	ERC/REC/70-03	

40.68 MHz				ERC/DEC/(01)12 SRPS EN 300 220	
c3 40.68-40.69 MHz	100 mW e.r.p.	No requirement	10 kHz	ERC/REC/70-03 ERC/DEC/(01)12 SRPS EN 300 220	
c4 40.69-40.7 MHz	100 mW e.r.p.	No requirement	10 kHz	ERC/REC/70-03 ERC/DEC/(01)12 SRPS EN 300 220	

1.9. INDUCTIVE APPLICATIONS

Table 1.9. contains RF bands, as well as regulatory and informational parameters related to inductive applications, which use magnetic fields for near-field communication and deterministic applications. Including for example:

1) electronic car immobilisers;
2) RFID applications including e.g. automatic product identification, asset tracking, alarm systems, waste management, personal identification, access control, proximity sensors, location systems, NFC applications used, for example, to transmit data to handheld devices, anti-theft systems including RF anti-theft induction systems (e.g. EAS);
3) metal and proximity sensors;
4) wireless management systems;
5) animal identification;
6) cable detection;
7) wireless voice links;
8) automatic road tolling systems.

Anti-theft systems may also operate in accordance with the regulatory parameters from other tables of Annex 1.

Table 1.9. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a0 100 Hz – 9 kHz	82 dBμA/m at 10 m	No requirement	Not specified	ERC/REC/70-03	Antenna size < 1/20 λ The antenna size is described by

				SRPS EN 303 447 SRPS EN 303 454	the distance between those two points on the antenna that have the largest distance between them (e.g. for a rectangle shaped antenna the largest diagonal; for a circular shaped antenna the diameter).
a1 9-90 kHz	72 dBµA/m at 10 m	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330 SRPS EN 303 447 SRPS EN 303 454	In case of external antennas only loop coil antennas may be employed. Magnetic field strength level descending 3 dB/octave above 30 kHz. In case of loop antennas used within bands a1) and a3) integral or dedicated within an area between 0.05 m² and 0.16 m², the field strength is reduced by 10 x log (area/0.16 m²); for an antenna area less than 0.05 m² the field strength is

					reduced by 10 dB.
a2 90-119 kHz	42 dBµA/m at 10 m	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330 SRPS EN 303 447 SRPS EN 303 454	In case of external antennas only loop coil antennas may be employed.
a3 119-135 kHz	66 dBµA/m at 10 m	No requirement	*	ERC/REC/70-03 SRPS EN 300 330 SRPS EN 303 447 SRPS EN 303 454	In case of external antennas only loop coil antennas may be employed. Magnetic field strength level descending 3 dB/octave above 119 kHz. In case of loop antennas used within bands a1) and a3) integral or dedicated within an area between 0.05 m² and 0.16 m², the field strength is reduced by 10 x log (area/0.16 m²); for an antenna area less than 0.05 m² the field strength is reduced by 10 dB.

					*RFID systems shall meet the requirements prescribed for the transmission mask as described in the SRPS EN 300 330 standard. This will allow the simultaneous use of different sub-bands in the RF band 90-148.5 kHz.
b 135-140 kHz	42 dBµA/m at 10 m	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330 SRPS EN 303 447 SRPS EN 303 454	In case of external antennas only loop coil antennas may be employed.
c 140-148.5 kHz	37.7 dBµA/m at 10 m	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330 SRPS EN 303 447 SRPS EN 303 454	In case of external antennas only loop coil antennas may be employed.
d 400-600 kHz	-5 dBµA/m at 10 m in total -8 dBµA/m at 10 m per 10 kHz	No requirement	≥30 kHz	ERC/REC/70-03 SRPS EN 300 330	For RFID systems only. In case of external antennas only loop coil antennas may be employed.

e 3155-3400 kHz	13.5 dBµA/m at 10 m	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330	In case of external antennas only loop coil antennas may be employed.
f 6765-6795 kHz	42 dBµA/m at 10 m	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330	
g 7400-8800 kHz	9 dBµA/m at 10 m	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330	
h 10200-11000 kHz	9 dBµA/m at 10 m	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330	
i 13.553-13.567 MHz	42 dBµA/m at 10 m	No requirement	*	ERC/REC/70-03 SRPS EN 300 330	*Devices operating in the 13.56 MHz RF band shall meet the requirements prescribed for the transmission mask and antenna, as described in the Serbian standard SRPS EN 300 330, including restrictions in sub-bands k1 and k2.
j 13.553-13.567 MHz	60 dBµA/m at 10 m	No requirement	*	ERC/REC/70-03 ECC Report 208 SRPS EN 300 330	For RFID systems only. *Devices operating in the 13.56 MHz RF band shall meet the requirements

					prescribed for the transmission mask and antenna, as described in the Serbian standard SRPS EN 300 330, including restrictions in subbands k1 and k2.
k1 148.5-5000 kHz	-5 dBµA/m at 10 m in total - 15 dBµA/m at 10 m per 10 kHz	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330 SRPS EN 302 536	In case of external antennas only loop coil antennas may be employed.
k2 5 – 30 MHz	-5 dBµA/m at 10 m in total - 20 dBµA/m at 10 m per 10 kHz	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 330	In case of external antennas only loop coil antennas may be employed.

1.10. RADIO MICROPHONE APPLICATIONS, ASSISTIVE LISTENING DEVICES AND PERSONAL CORDLESS AUDIO DEVICES

Table 1.10. contains RF bands, as well as regulatory and informational parameters related to radio microphones, both hand-held and body-worn (also referred to as wireless microphones or cordless microphones), in-ear monitors, Assistive Listening Devices (ALD) (also referred to as aids for the hearing impaired) and personal cordless audio devices.

Radio microphones are small, low power (typically 50 mW or less) transmitters designed to be worn on the body, or hand-held, for the transmission of sound. The receivers are tailored to specific uses and may range from small and portable to rack mounted modules as part of a multichannel system. ALD are specific radio microphone applications which capture an acoustic signal that is transmitted by radio to the hearing aid receivers.

Assistive Listening Systems (ALS) are for use by the hearing impaired in public spaces such as airports, railway/ bus stations, religious buildings and theatres, where the transmitter is connected to the audio programme or public address system and the ALD receiver is worn by hearing-impaired users, or integrated into users' hearing aids.

This table also applies to low-power FM transmitters, which operate in the FM RF band from 87.5 MHz to 108 MHz, and are used to provide a radio frequency link between personal audio devices, including mobile phones, and in-car or home entertainment systems, etc.

Table 1.10. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a0 100 Hz – 9 kHz	120 dBμA/m at 10 m	No requirement	Not specified	ERC/REC/70-03 SRPS EN 303 348 SRPS EN 300 422	Inductive loop systems intended to assist the hearing impaired. Antenna size of < 1/20 λ. The antenna size is described by the distance between those two points on the antenna that have the largest distance between them (e.g. for a rectangle shaped antenna the largest diagonal; for a circular shaped antenna the diameter).
a1 29.7-47 MHz	10 mW e.r.p.	No requirement	≤50 kHz	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. On a tuning range basis.
a2 87.5-108 MHz	50 nW e.r.p.	No requirement	≤200 kHz	ERC/REC/70-03 SRPS EN 301 357	Low power FM transmitters. The user interface of SRD shall permit as a minimum the

					selection of any and all possible frequencies within the 88.1 MHz to 107.9 MHz and as a maximum 87.6 MHz to 107.9 MHz. When audio signals are not present, apparatus must employ a transmission time out facility. Pilot tones that ensure continuity of transmission are not permitted.
b 169.4-174 MHz	10 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422	ALD On a tuning range basis.
c1 169.4-169.475 MHz	500 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 ECC/DEC/(05)02 SRPS EN 300 422	ALD
c2 169.4875-169.5875 MHz	500 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 ECC/DEC/(05)02 SRPS EN 300 422	ALD
d 173.965-216 MHz	10 mW e.r.p.	*	Not specified	ERC/REC/70-03	ALD

				SRPS EN 300 422 ECC Report 230	On a tuning range basis. ECC Report 230 provides information on ALD frequency issues in the frequency band 174-216 MHz including an example for an on-site measurement procedure. It should be noted that ALD applications may need to move in frequency if changes in the use of the broadcast radio service take place. *A threshold of 35 dBµV/m is required to ensure the protection of a DAB receiver located at 1.5m from the ALD device, subject to DAB signal strength measurements taken around the ALD operating site. The ALD device should operate under all circumstances at least 300 kHz away

					from the channel edge of an occupied DAB channel.
e 174-216 MHz	50 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. On a tuning range basis.
f1 470-694 MHz	50 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. On a tuning range basis.
f3 823-826 MHz	20 mW e.i.r.p./ 100 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. 100 mW restricted to body-worn equipment. Technical conditions for PMSE (including radio microphones) from Annex 3 of Decision ECC/DEC/(09) 03 section 3.1.
f4 826-832 MHz	100 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. Technical conditions for PMSE (including radio microphones) from Annex 3 of Decision ECC/DEC/(09) 03 section 3.1.

f5 694-703 MHz	50 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. On a tuning range basis.
f6 733-757.5 MHz	20 mW e.i.r.p./ 100 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. 100 mW restricted to body-worn equipment.
g 863-865 MHz	10 mW e.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422 SRPS EN 301 357	Radio microphones and personal cordless audio devices. The RF band is also used in accordance with Annex 1, Table 1.1.
h1 1350-1400 MHz	20 mW e.i.r.p./ 50 mW e.i.r.p.	No requirement/SSP	Not specified	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. 50 mW restricted to bodyworn microphones or equipment implementing Spectrum Scanning Procedure (SSP) in the RF band 1350-1400 MHz.
h2 1492-1518 MHz	50 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. On a tuning range basis. Restricted to indoor use.

h3 1518-1525 MHz	50 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. On a tuning range basis. Restricted to indoor use.
i 1656.5-1660.5 MHz	2 mW/600 kHz e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422 ECC Report 270	ALS Conditions from Annex 4 of ECC Report 270.
j 1785-1805 MHz	20 mW e.i.r.p./ 50 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 422	Radio microphones. 50 mW restricted to bodyworn microphones or equipment implementing Spectrum Scanning Procedure (SSP).

1.11. RADIO FREQUENCY IDENTIFICATION APPLICATIONS (RFID)

Table 1.11. contains RF bands, as well as regulatory and information parameters related to RFID, which include: automatic article identification, asset tracking, alarm systems, waste management, personal identification, access control, speed sensors, anti-theft systems, location systems, data transmission to handheld stations and wireless management systems.

RFID may also operate in accordance with regulatory parameters from other tables in Annex 1.

Table 1.11. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a 865-868 MHz	2 W e.r.p.*	**	≤200 kHz	ERC/REC/70-03	Operation only when necessary to

				SRPS EN 302 208	perform the intended operation, i.e. when RFID tags are expected to be present. *Interrogator transmissions are only permitted within the four channels centred at 865.7 MHz, 866.3 MHz, 866.9 MHz and 867.5 MHz; each with a maximum bandwidth of 200 kHz. RFID tags respond at a very low power level (-20 dBm e.r.p.) in a frequency range around the RFID interrogator channels. **The maximum period of continuous interrogator transmission on a channel shall not exceed 4s and the period between consecutive transmissions of an interrogator on the same channel shall

					be at least 100ms in order to ensure most efficient use of available channels for the general benefit of all users. Antenna beamwidth limits shall be respected, as described in the SRPS EN 302 208 standard.The RF band is also used in accordance with Annex 1, Tables 1.1, 1.2. and 1.3.
a1 865-865.6 MHz	100 mW e.r.p.	No requirement	≤200 kHz	ERC/REC/70-03 SRPS EN 302 208	Channel centre frequencies are 864.9 MHz + (0.2 MHz x channel number). Channel numbers: from 1 to 3. The same equipment can operate in multiple RF sub-bands. No FHSS or other spread spectrum techniques shall be used.
a2 865.6-867.6 MHz	2 W e.r.p.	No requirement	≤200 kHz	ERC/REC/70-03	Channel centre frequencies are 864.9 MHz

				SRPS EN 302 208	+ (0.2 MHz x channel number). Channel numbers: from 4 to 13. The same equipment can operate in multiple RF sub-bands. No FHSS or other spread spectrum techniques shall be used.
a3 867.6-868 MHz	500 mW e.r.p.	No requirement	≤200 kHz	ERC/REC/70-03 SRPS EN 302 208	Channel centre frequencies are 864.9 MHz + (0.2 MHz x channel number). Channel numbers: from 14 to 15. The same equipment can operate in multiple RF sub-bands. No FHSS or other spread spectrum techniques shall be used.
b 915-921 MHz	4 W e.r.p.*	No requirement	≤400 kHz	ERC/REC/70-03 SRPS EN 302 208	Operation only when necessary to perform the intended operation, i.e. when RFID tags are

					expected to be present. *Interrogator transmissions at 4 W e.r.p, are only permitted within the three channels centred at 916.3 MHz, 917.5 MHz and 918.7 MHz; each with a maximum bandwidth of 400 kHz. RFID tags respond at a very low power level (-10 dBm e.r.p.) in a frequency range around the RFID interrogator channels. The RF band is also used in accordance with Annex 1, Tables 1.1, 1.2. and 1.3.
c1 2446-2454 MHz	≤ 500 mW e.i.r.p.	No requirement	Not specified	ERC/REC/70-03 SRPS EN 300 440	
c2 2446-2454 MHz	> 500 mW to 4W e.i.r.p.	≤15% DC FHSS technology required	Not specified	ERC/REC/70-03 SRPS EN 300 440	Power levels above 500 mW are restricted to be used inside the boundaries of a building and the duty cycle of all transmissions

					shall in this case be ≤ 15 % in any 200 ms period (30 ms on /170 ms off). Antenna beamwidth limits must be respected, as described in the SRPS EN 300 440 standard. For an RFID device which can exceed 500 mW, the device should be fitted with an automatic power control to reduce the radiated power below 500 mW. This automatic power control shall guarantee the reduction of the power to a maximum of 500 mW in cases where the device is moved and used outside the boundary of the user's building. Any emissions from an RFID device when measured outside of the building at a distance of 10

					metres shall not exceed the field strength from a 500 mW RFID device mounted outside the building when measured at the same distance. Where a building consists of a number of premises, such as shops within a shopping arcade or mall, then the measurements shall be referenced to the 10 m distance from the user's premises within the building.

1.12. ACTIVE MEDICAL IMPLANTS AND THEIR ASSOCIATED PERIPHERALS

Table 1.12 contains RF bands, as well as regulatory and informational parameters related to active medical implants and their associated peripherals.

Table 1.12. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a 9-315 kHz	30 dBμA/m at 10 m	≤ 10% DC	Not specified	ERC/REC/70-03	(ULP-AMI) applications using inductive loop techniques

				SRPS EN 302 195	for telemetry purposes.
b 30-37.5 MHz	1 mW e.r.p.	≤ 10%DC	Not specified	ERC/REC/70-03 SRPS EN 302 510	ULP-AMI-M applications, for blood pressure measurements.
c 2483.5-2500 MHz	10 dBm e.i.r.p.	LBT, AFA and ≤ 10% DC for peripherals	≤ 1 MHz	ERC/REC/70-03 SRPS EN 301 559	LP-AMI applications and associated peripheral units. The whole frequency band may also be used dynamically as a single channel to maintain a communications session. Peripherals are for indoor use only. The RF band is also used in accordance with Annex 1, Table 1.2.
d 401-406 MHz	*	*	*	ERC/REC/70-03 ERC/DEC/(01)17 SRPS EN 301 839 SRPS EN 302 537	ULP-AMI applications – communication systems. *Detailed requirements are prescribed in ERC/DEC/(01)17. In the RF bands 401-402 MHz and 405 MHz-406 MHz, the SRPS EN 302 537 standard applies.
e 315-600 kHz	-5 dBμA/m at 10 m	≤ 10% DC	Not specified	ERC/REC/70-03	Applications for animal implants. The

				SRPS EN 302 536	RF band is also used in accordance with Annex 1, Table 1.9.
f 12500-20000 kHz	-7 dBμA/m at 10 m per 10 kHz	≤ 10% DC	Not specified	ERC/REC/70-03 SRPS EN 300 330	ULP-AID applications, limited to indoor use only. The RF band is also used in accordance with Annex 1, Table 1.9. The transmission mask of ULP-AID is defined as follows: 3 dB bandwidth 300 kHz, 10 dB bandwidth 800 kHz, 20 dB bandwidth 2 MHz.

1.13. MEDICAL DATA ACQUISITION

Table 1.13 contains RF bands, as well as regulatory and informational parameters related to medical data acquisition applications, except for voice data.They cover transmission to and from non-implantable medical devices for the purpose of monitoring, diagnosing and treating patients in healthcare facilities or patient's home, as prescribed by duly authorised healthcare professionals, including:

– Ultra-Low Power Wireless Medical Capsule Endoscopy (ULP-WMCE) application designed for use in medical doctor-patient scenarios with the aim of acquiring images of human digestive tract;

– Medical Body Area Network System (MBANS) for low-power wireless networking of a plurality of body-worn sensors and/or actuators as well as of a hub device placed on/around the human body.

Table 1.13. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes

a 430-440 MHz	-50 dBm/100 kHz max e.r.p. density but not exceeding a total power of -40 dBm/10 MHz (both limits are intended for measurement outside of the patient's body)	No requirement	≤ 10 MHz	ERC/REC/70-03 SRPS EN 303 520	ULP-WMCE
b1 2483.5-2500 MHz	1 mW e.i.r.p.	Adequate spectrum sharing mechanisms (e.g. LBT and AFA) shall be implemented by the equipment and ≤ 10% DC	≤ 3 MHz	ERC/REC/70-03 SRPS EN 303 203	MBANS, indoor only within healthcare facilities. The RF band is also used in accordance with Annex 1, Table 1.12.
b2 2483.5-2500 MHz	10 mW e.i.r.p.	Adequate spectrum sharing mechanisms (e.g. LBT and AFA) shall be implemented by the equipment and ≤ 2% DC	≤ 3 MHz	ERC/REC/70-03 SRPS EN 303 203	MBANS, indoor only within the patient's home. The RF band is also used in accordance with Annex 1, Table 1.12.

1.14. OTHER RADIO DEVICES

Table 1.14 contains RF bands related to terrestrial applications not covered by Tables 1.1–1.13 in Annex 1, while the regulatory and technical parameters are prescribed by the relevant ERC/ECC decisions.

Table 1.14. Regulatory parameters

RF band	Power/Magnetic Field	RF spectrum access and	Modulation/maximum RF bandwidth	ECC/ERC regulation	Notes

	(Maximum Value)	interference mitigation requirements		Serbian standard	
c 446-446.2MHz	*	*	*	ERC/REC/70-03 ECC/DEC/(15)05 SRPS EN 303 405	For analogue and digital PMR 446 applications *Detailed requirements are prescribed in the ECC decision.
d 1880-1900 MHz	*	*		ERC/REC/70-03 ERC/DEC/(94)03 ERC/DEC/(98)22 SRPS EN 301 406	DECT *Detailed requirements are prescribed in the ERC decisions.
e1 5150-5350 MHz	*	*	*	ERC/REC/70-03 ECC/DEC/(04)08 SRPS EN 301 893	WAS/RLANs In the RF band 5150-5250 MHz limited indoor use, including installations inside road vehicles (passenger cars, lorries, buses), trains and aircraft, in accordance with the requirements prescribed in the ECC decision. In the RF band 5250-5350 MHz limited indoor

					use (inside buildings only). Use by Unmanned Aircraft Systems (UAS) limited to within the 5170-5250 MHz band. *Detailed requirements are prescribed in the ECC decision.
f 5855-5935 MHz	*	*	*	ERC/REC/70-03 ECC/DEC/(08)01 ECC/REC/(08)01 SRPS EN 302 571	ITS The RF band 5875-5935 MHz shall be used for traffic safety applications. *Detailed requirements are prescribed in the ECC decision.
g 63.72-65.88 GHz				ERC/REC/70-03 ECC/DEC/(09)01 SRPS EN 302 686	ITS *Detailed requirements are prescribed in the ECC decision.
h 77-81 GHz	*	*	*	ERC/REC/70-03 ECC/DEC/(04)03 SRPS EN 302 264	SRR short-range radars on vehicles *Detailed requirements are prescribed in the ECC decision.

i 5945-6425 MHz	*	*	*	ERC/REC/70-03 ECC/DEC/(20)01 SRPS EN 303 687	LPI WAS/RLANs low power indoor devices Limited indoor use including trains wheremetal coated windows are fitted and aircraft in accordance with the conditions prescribed by the ECC decision. Installations inside road vehicles (passenger cars, lorries, buses) shall not permitted. VLP WAS/RLANs very low power devices Both indoor and outdoor use permitted in accordance with the requirements prescribed in the ECC decision. Fixed outdoor installations shall not be permitted. *Detailed requirements are prescribed

					in the ECC decision.
4940-4990MHz	26 dBm/MHz e.i.r.p. for base stations, 13 dBm/MHz e.i.r.p. for user device	*	*	ECC/REC/(08)04 SRPS EN 302 625	BBDR *Detailed requirements are prescribed in the ECC recommendation.
5150-5250 MHz	26 dBm/MHz e.i.r.p. for base stations, 13 dBm/MHz e.i.r.p. for user device	*	*	ECC/REC/(08)04 SRPS EN 302 625	BBDR *Detailed requirements are prescribed in the ECC recommendation.

1.15. SATELLITE COMMUNICATIONS

Table 1.15 contains RF bands, as well as regulatory and informational parameters related to satellite communications devices.

Table 1.15. Regulatory parameters

RF band	Power/Magnetic Field (Maximum Value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a 137-138 MHz 148-150.05 MHz 399.9-400.05 MHz 400.15-401 MHz	*	*	*	ERC/DEC/(99)06 SRPS EN 301 721	MSS earth stations 137-138 MHz space-Earth 148-150.05 MHz Earth-space 399.9-400.05 MHz Earth-space

					400.15-401 MHz space-Earth * Detailed requirements are prescribed in the ERC decision.
b 1164-1214 MHz 1215.6-1239.6 MHz				SRPS EN 303 413	Galileo receivers GPS receivers
c 1164-1300 MHz 1559-1610 MHz	*	*	*	ECC/REC/(10)02 SRPS EN 302 645	GNSS repeaters *Detailed requirements are prescribed in the ECC recommendation.
d 1518-1559 MHz 1610-1660.5 MHz 1670-1675 MHz 1980-2010 MHz 2170-2200 MHz 2483.5-2500 MHz	*	*	*	ECC/DEC/(12)01 ECC/DEC/(04)09 ECC/DEC/(06)09 ECC/DEC/(09)02 ECC/DEC/(09)04 SRPS EN 301 426 SRPS EN 301 441 SRPS EN 301 444	Terminals in the mobile satellite service operating within a satellite network 1518-1559 MHz space-Earth 1610-1660.5 MHz Earth-space 1670-1675 MHz Earth-space 1980-2010 MHz Earth-space 2170-2200 MHz space-Earth

				SRPS EN 301 473 SRPS EN 301 681 SRPS EN 301 442 SRPS EN 302 574	2483.5-2500 MHz space-Earth *Detailed requirements are prescribed in the ECC decisions.
e 11.7-12.5 GHz	*	*	*	ERC/DEC/(00)08 SRPS EN 301 360 SRPS EN 301 459 SRPS EN 302 448	Earth station in the broadcasting-satellite service 11.7-12.5 GHz space-Earth *Detailed requirements are prescribed in the ERC decision.
f 10.7-11.7 GHz 14.25-14.5 GHz	*	*	*	ERC/REC 13-03 ECC/DEC/(03)04 SRPS EN 301 428	VSAT 10.7-11.7 GHz space-Earth 14.25-14.5 GHz Earth-space *Detailed requirements are prescribed in the ECC decision and ERC recommendation.
g 10.7-12.75 GHz 14-14.25 GHz	*	*	*	ECC/DEC/(06)03 SRPS EN 301 428 SRPS EN 301 459	HEST, LEST 10.7-12.75 GHz space-Earth 14-14.25 GHz Earth-space

19.7-20.2 GHz 29.5-30 GHz					19.7-20.2 GHz space-Earth 29.5-30 GHz Earth-space *Detailed requirements are prescribed in the ECC decision.
h 10.7-11.7 GHz 12.5-12.75 GHz 14.0-14.5 GHz	*	*	*	ECC/DEC/(05)11 SRPS EN 302 186	AES 10.7-11.7 GHz space-Earth 12.5-12.75 GHz space-Earth 14.0-14.5 GHz Earth-space *Detailed requirements are prescribed in the ECC decision.
i 10.7-12.75 GHz 12.75-14.5 GHz	*	*	*	ECC/DEC/(19)04 SRPS EN 302 186	GSO and NGSO AES 10.7-12.75 GHz space-Earth 12.75-13.25 GHz Earth-space
j 3700-4200 MHz 5925-6425 MHz 10.7-11.7 GHz	*	*	*	ECC/DEC/(05)09 ECC/DEC/(05)10 SRPS EN 301 447 SRPS EN 302 340 SRPS EN 301 427	ESV 3700-4200 MHz space-Earth 5925-6425 MHz Earth-space 10.7-11.7 GHz space-Earth 12.5-12.75 GHz space-Earth

12.5-12.75 GHz 14.0-14.5 GHz					14.0-14.5 GHz Earth-space *Detailed requirements are prescribed in the ECC decisions.
k 10.7-12.75 GHz 14.0-14.5 GHz	*	*	*	ECC/DEC/(18)04 ECC/DEC/(18)05 SRPS EN 302 448 SRPS EN 302 977 SRPS EN 303 980 SRPS EN 303 981	ESIM 10.7-12.75 GHz space-Earth 14.0-14.5 GHz Earth-space *Detailed requirements are prescribed in the ECC decisions.
l 10.7-12.75 GHz 14.0-14.5 GHz	*	*	*	ECC/DEC/(17)04 SRPS EN 303 980 SRPS EN 303 981	Fixed earth station within a non-geostationary fixed satellite system 10.7-12.75 GHz space-Earth 14.0-14.5 GHz Earth-space *Detailed requirements are prescribed in the ECC decision.
m 17.3-20.2 GHz	*	*	*	ECC/DEC/(13)01 SRPS EN 303 978	GSO ESOMPs 17.3-20.2 GHz space-Earth

27.5-30 GHz					27.5-27.8285 GHz Earth-space 28.4445-28.8365 GHz Earth-space 29.4525-29.5 GHz Earth-space 29.5-30 GHz Earth-space *Detailed requirements are prescribed in the ECC decision.
n 17.3-20.2 GHz 27.5-29.1 GHz 29.5-30 GHz	*	*	*	ECC/DEC/(15)04 SRPS EN 303 979	NGSO ESOMPs 17.3-20.2 GHz space-Earth 27.5-27.8285 GHz Earth-space 28.4445-28.8365 GHz Earth-space 29.5-30 GHz Earth-space *Detailed requirements are prescribed in the ECC decision.
o 10.7-11.7 GHz 12.5-12.75 GHz	*	*	*	ECC/DEC/(05)01 ERC/DEC/(00)07 SRPS EN 301 360	Uncoordinated FSS earth stations 10.7-11.7 GHz space-Earth,

17.3-20.2 GHz 27.5-29.5 GHz				SRPS EN 303 699	12.5-12.75 GHz space-Earth 17.3-20.2 GHz space-Earth, 27.5-27.8285 GHz Earth-space 28.4445-28.8365 GHz Earth-space 29.4525-29.5 GHz Earth-space *Detailed requirements are prescribed in the ECC decision.
p 17.3-17.7 GHz 19.7-20.2 GHz 29.5-30 GHz 47.5-47.9 GHz 48.2-48.54 GHz 49.44-50.2 GHz	*	*	*	ECC/DEC/(05)08 SRPS EN 301 459	High density FSS earth stations 17.3-17.7 GHz space-Earth 19.7-20.2 GHz space-Earth 29.5-30 GHz Earth-space 47.5-47.9 GHz space-Earth 48.2- 48.54 GHz space-Earth 49.44-50.2 GHz space-Earth *Detailed requirements are prescribed in the ECC decision.

q 37.5-39.5 GHz 39.5-40.5 GHz	*	*	*	ECC/DEC/(00)02	Uncoordinated FSS earth stations in the RF band 37.5-39.5 GHz and uncoordinated FSS and MSS earth stations in the RF band 39.5-40.5 GHz 37.5-39.5 GHz space-Earth 39.5-40.5 GHz space-Earth *Detailed requirements are prescribed in the ECC decision.
r 48.2-50.2 GHz	*	*	*	ECC/DEC/(21)01	Uncoordinated FSS earth stations 48.2-50.2 GHz Earth-space *Detailed requirements are prescribed in the ECC decision.

1.16. TERRESTRIAL MOBILE USER DEVICES

Table 1.16 contains the RF bands, as well as regulatory parameters related to mobile user devices operating within the terrestrial network.

Table 1.16. Regulatory parameters

RF band	ECC/ERC regulation Serbian standard
694-790 MHz	ECC/DEC/(15)01, ECC/DEC/(22)01, corresponding parts of standard SRPS EN 301 908
790-862 MHz	ECC/DEC/(09)03, ECC/DEC/(22)01, corresponding parts of standard SRPS EN 301 908

876-915 MHz	ERC/DEC/(94)01, ERC/DEC/(97)02, ECC/DEC/(06)13, SRPS EN 301 511, corresponding parts of standard SRPS EN 301 908
921-960 MHz	ERC/DEC/(94)01, ERC/DEC/(97)02, ECC/DEC/(06)13, SRPS EN 301 511, corresponding parts of standard SRPS EN 301 908
1427-1452 MHz and 1492-1518 MHz	ECC/DEC/(22)01, ECC/DEC/(17)06
1452-1492	ECC/DEC/(22)01, ECC/DEC/(13)03, corresponding parts of standard SRPS EN 301 908
1710-1785 MHz	ECC/DEC/(06)13, ERC/DEC/(95)03, SRPS SRPS EN 301 511, corresponding parts of standard SRPS EN 301 908
1805-1880 MHz	ERC/DEC/(95)03, ECC/DEC/(06)13 SRPS EN 301 511, corresponding parts of standard SRPS EN 301 908
1920-1980 MHz	ECC/DEC/(06)01, ECC/DEC/(22)01, corresponding parts of standard SRPS EN 301 908
2110-2170 MHz	ECC/DEC/(22)01 , ECC/DEC/(06)01, corresponding parts of standard SRPS EN 301 908
2300-2400 MHz	ECC/DEC/(14)02, corresponding parts of standard SRPS EN 301 908
2500-2690 MHz	ECC/DEC/(22)01, ECC/DEC/(05)05, corresponding parts of standard SRPS EN 301 908
3400-3800 MHz	ECC/DEC/(22)01, ECC/DEC/(11)06, corresponding parts of standard SRPS EN 301 908
24250-27500 MHz	ECC/DEC/(22)01, ECC/DEC/(18)06, corresponding parts of standard SRPS EN 301 908
40.5-43.5 GHz	ECC/DEC/(22)01, ECC/DEC/(22)06

1.17. INDUSTRIAL, SCIENTIFIC AND MEDICAL APPLICATIONS (ISM)

Table 1.17 contains the RF bands, as well as regulatory and informational parameters related to devices for ISM applications as prescribed by the ITU Radio Regulations.

Table 1.17. Regulatory parameters

RF band	Centre radio frequency	Note
6765-6795 kHz	6780 kHz	The provision RR 5.138 of the ITU Radio Regulations shall be applied.
13553-13567 kHz	13560 kHz	The provision RR 5.150 and item 15.13 of the ITU Radio Regulations shall be applied.
26957-27283 kHz	27120 kHz	The provision RR 5.150 and item 15.13 of the ITU Radio Regulations shall be applied.

40.66-40.70 MHz	40.68 MHz	The provision RR 5.150 and item 15.13 of the ITU Radio Regulations shall be applied.
433.05-434.79 MHz	433.92 MHz	The provisions RR 5.138, RR 5.280 and item 15.13 of the ITU Radio Regulations shall be applied.
2400-2500 MHz	2450 MHz	The provision RR 5.150 and item 15.13 of the ITU Radio Regulations shall be applied.
5725-5875 MHz	5800 MHz	The provision RR 5.150 and item 15.13 of the ITU Radio Regulations shall be applied.
24-24.25 GHz	24.125 GHz	The provision RR 5.150 and item 15.13 of the ITU Radio Regulations shall be applied.
61-61.5 GHz	61.25 GHz	The provision RR 5.138 of the ITU Radio Regulations shall be applied.
122-123 GHz	122.5 GHz	The provision RR 5.138 of the ITU Radio Regulations shall be applied.
244-246 GHz	245 GHz	The provision RR 5.138 of the ITU Radio Regulations shall be applied.

Annex 2

CONDITIONS FOR THE ASSIGNMENT AND USE OF RADIO FREQUENCY BANDS USED UNDER THE GENERAL AUTHORIZATION REGIME IN WHICH NOTIFICATION OF RADIO STATIONS IS REQUIRED

2.1. Wideband data transmission systems and WAS/RLANs

Table 2.1. contains RF bands, as well as regulatory and information parameters related to wideband data transmission systems and WAS/RLANs. Any person intending to use radio frequencies from the listed RF bands is obliged to submit a completed Form ERFOO1 – Application for notification of a radio station in the radio frequency bands 2400-2483.5 MHz, 5470-5725 MHz, 5725-5875 MHz and 59.4-71 GHz, for each radio station in open space, except for a radio station with an integrated antenna located at the end user's premises.

Table 2.1. Regulatory parameters

RF band	Power/power spectral density (maximum value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
a 2400-2483.5 MHz	100 mW e.i.r.p.	The device implements adequate spectrum sharing	Not specified	ERC/REC/70-03 SRPS EN 300 328	For wideband modulations other than FHSS, the maximum e.i.r.p. power density shall be

		mechanisms (e.g. LBT, DAA)			limited to 10 mW/MHz. Use of the RF band by unmanned aircraft systems (UAS) shall be permitted.
b 5470-5725 MHz	1 W mean power e.i.r.p. 50 mW/MHz mean power density e.i.r.p. 200 mW e.i.r.p. for installations in road vehicles	The device implements adequate spectrum sharing mechanisms.	Not specified	ERC/REC/70-03 ECC/DEC/(04)08 SRPS EN 301 893	Mean power (e.i.r.p.) refers to the e.i.r.p during burst transmission. Mandatory use of DFS. At the maximum permitted system output power, ATPC is required, which ensures an ATPC operating range of at least 3 dB. In the absence of ATPC, the maximum permitted mean e.i.r.p. and the maximum permitted mean power density (e.i.r.p.) are reduced by 3 dB. Use in road vehicles shall only be permitted for slave devices controlled by a fixed WAS/RLAN DFS master device. Use in trains and aircraft, as well as for unmanned aircraft systems (UAS), shall not be permitted.
c1 59.4-71 GHz	40 dBm e.i.r.p, 23 dBm/MHz density e.i.r.p. The maximum transmit power at the antenna connector(s) is 27 dBm.	An appropriate RF spectrum sharing mechanism is applied.	Not specified	ERC/REC/70-03 ECC report 288 SRPS EN 303 722	

c2 59.4-71 GHz	55 dBm e.i.r.p, 38 dBm/MHz density e.i.r.p. The gain of the transmitting antenna is ≥ 30 dBi	An appropriate RF spectrum sharing mechanism is applied.	Not specified	ERC/REC/70-03 ECC report 288 SRPS EN 303 722	For outdoor use only.

2.2. Broadband Fixed Wireless Access Systems (BFWA)

Table 2.2. contains the RF bands, as well as regulatory and information parameters related to the BFWA. Any person intending to use radio frequencies from the specified RF band is obliged to submit a completed Form ERFOO1 – Application for notification of a radio station in the radio frequency bands 2400-2483.5 MHz, 5470-5725 MHz, 5725-5875 MHz and 59.4-71 GHz, for each radio station used in open space, except for a radio station with an integrated antenna located at the end user's premises.

Table 2.2. Regulatory parameters

RF band	Power/power spectral density (maximum value)	RF spectrum access and interference mitigation requirements	Modulation/maximum RF bandwidth	ECC/ERC regulation Serbian standard	Notes
5725 - 5875 MHz	*	*	*	ECC/REC/(06)04 SRPS EN 302 502	Mandatory use of DFS in the RF band 5725-5850 MHz. *The basic restrictions are given in Table 2.2.1, with detailed requirements being prescribed in the ECC recommendation.

Table 2.2.1. Basic limitations for different network configurations

Network configuration/parameters	Point-to-multipoint (P-MP)	Point-to-point (PP)	Mesh	Any point-to-multipoint (AP-MP)	Note

Maximum mean power e.i.r.p.	36 dBm	36 dBm	33 dBm	33 dBm	The maximum mean power e.i.r.p. limit assumes that ATPC is enabled.
Maximum mean power density e.i.r.p.	23 dBm/MHz	23 dBm/MHz	20 dBm/MHz	20 dBm/MHz	
ATPC range for each radio station	12 dB	12 dB	12 dB	12 dB	

2.3. Fixed links in the radio frequency bands 71-76 GHz/81-86 GHz

Table 2.3. contains RF bands, as well as regulatory and information parameters related to fixed, or radio relay links. Any person who intends to use radio frequencies from the specified RF band is obliged to submit a completed Form ERFOO2 – Application for notification of a radio station in the radio frequency band 71-76 GHz/81-86 GHz.

The applicant for a new radio relay link is obliged to align the parameters of his radio relay link with the existing state of registered radio relay links in order to avoid interference.

Table 2.3. Regulatory parameters

RF band	Operation mode	Channel spacing	ECC/ERC regulation Serbian standard	Notes
71-76 GHz	TDD	250 MHz 500 MHz 1000 MHz 2000 MHz	ECC/REC/(05)07, Annex 4 SRPS EN 302 217	The basic channel spacing is 250 MHz. For FDD mode, radio frequency channels with a channel spacing of 250 MHz are divided into two subchannels with a channel spacing of 125 MHz and four subchannels with a channel spacing of 62.5 MHz. When radio frequency channels with a channel spacing of 62.5 MHz and 125 MHz are used, the last, 19th channel is usually used, followed by the 18th channel, and so on.
81-86 GHz	TDD	250 MHz 500 MHz		

		1000 MHz 2000 MHz		RF channel centre frequencies shall be used according to Table 2.3.1. and Table 2.3.2.
71-76 GHz paired with 81-86 GHz	FDD (duplex spacing is 10 GHz)	62.5 MHz 125 MHz 250 MHz 500 MHz 1000 MHz 2000 MHz		

Table 2.3.1. Channels arrangement in RF bands 71-76 GHz/81-86 GHz

250 MHz			500 MHz			1000 MHz			2000 MHz		
	B	H		B	H		B	H		B	H
01	71250	81250	01	71375	81375	01	71625	81625	01	72125	82125
02	71500	81500									
03	71750	81750	02	71875	81875						
04	72000	82000									
05	72250	82250	03	72375	82375	02	72625	82625			
06	72500	82500									
07	72750	82750	04	72875	82875						
08	73000	83000									
09	73250	83250	05	73375	83375						
10	73500	83500									
11	73750	83750	06	73875	83875	03	74125	84125	02	74625	84625
12	74000	84000									
13	74250	84250	07	74375	84375						
14	74500	84500									
15	74750	84750	08	74875	84875	04	75125	85125			
16	75000	85000									

17	75250	85250	09	75375	85375						
18	75500	85500									
19	75750	85750									

Table 2.3.2. Channels arrangement for channel spacings of 125 MHz and 62.5 MHz (e.g. channels 18 and 19)

	250MHz		125MHz		62.5MHz	
	B	H	B	H	B	H
18. channel	75500	85500	75437.5	85437.5	75406.25	85406.25
					75468.75	85468.75
			75862.5	85862.5	75531.25	85531.25
					75593.75	85593.75
19. channel	75750	85750	75687.5	85687.5	75656.25	85656.25
					75718.75	85718.75
			75812.5	85812.5	75781.25	85781.25
					75843.75	85843.75

2.4. Radio stations operating in the citizens' band (CB)

Table 2.4. contains the RF bands, as well as regulatory and informational parameters related to radio stations operating in the RF band intended for citizens. Any person intending to use radio frequencies from the specified RF band is obliged to submit a completed form ERFOO3 – Application for notification of a CB radio station in the 27 MHz radio frequency band.

Table 2.4. Regulatory parameters

RF band	Maximum e.r.p.	Modulations	Channel spacing	ECC regulation Serbian standard	Notes
26.960 – 27.410 MHz	4 W	Angle modulation (FM/PM)	10 kHz	ERC/DEC/(11)03 SRPS EN 300 433	The use of the radio frequencies: 26.995 MHz, 27.045 MHz, 27.095 MHz, 27.145 MHz and 27.195 MHz shall be prohibited. CB radio stations operate in simplex and shall be used exclusively for the transmission of analog speech and/or data. It is prohibited to use additional equipment
	4 W	Amplitude modulation (DSB)			
	12W (peak envelope power)	Amplitude modulation (SSB)			

					that would enable: a higher transmitter power than permitted, connection to a public electronic communications network, use of class of emissions that are not permitted, operation via repeaters and satellites, emission or reemision of announcements and programs of broadcasting stations and other legal entities.

Form ERFOO1

APPLICATION FOR NOTIFICATION OF A RADIO STATION IN THE RADIO FREQUENCY BANDS 2400-2483.5 MHz, 5470-5725 MHz, 5725-5875 MHz AND 59.4-71 GHz

Applicant information:

Name of legal entity/First and last names of natural person	
Headquarters and address	
Company Registration Number/Unique Master Citizen Number	
Telephone/fax/e-mail	
Tax Identification Number (TIN)	

Radio station information:

Radio frequency band	
SSID (Service set identification)	
MAC address (Access Point)	
Location name/address	
Location coordinates (WGS84) (dd mm ss)	
Network purpose	
Network configuration	

Transmitter power (at antenna connection) (dBm))	
ATPC (YES/NO)	
DFS (YES/NO)	
Required bandwidth of emission	
Manufacturer, radio device type	
Antenna type	
Antenna gain (dBi)	
Azimuth of maximum radiation	
For P-P (*Point-to-point*) configuration	
Name/address of the second configuration point location	
Location coordinates (WGS84) (dd mm ss)	

Form ERFOO2

APPLICATION FOR NOTIFICATION OF A RADIO STATION IN THE RADIO FREQUENCY BAND 71-76 GHz/81-86 GHz

Applicant information:

Name of legal entity/First and last names of natural person	
Headquarters and address	
Company Registration Number/Unique Master Citizen Number	
Telephone/fax/e-mail	
Tax Identification Number (TIN)	

Radio relay link information:

	Location A	**Location B**
Location name/address		
Coordinates (WGS84) (dd mm ss)		
Altitude		
Antenna height above ground		
RR link length		
Device information		
Transmitting radio frequency (MHz)		
Capacity (Mbit/s)		

Required bandwidth of emmision (MHz)		
Threshold for BER ≤ 10-6 (dBm)		
Transmitter output power (dBm)		
e.i.r.p. (dBm)		
Manufacturer, radio device type		
Antenna information		
Antenna gain (dBi)		
Polarization		
Azimuth		
Elevation		
Manufacturer, antenna type, antenna diameter		
Note:		

Form ERFOO3

APPLICATION FOR NOTIFICATION OF A CB RADIO STATION IN THE RADIO FREQUENCY BAND 27 MHz

Applicant information			
First and last names of natural person			
Residential address			
Unique Master Citizen Number			
Telephone/fax/e-mail			
Radio station information			
Location			
City and zip code			
Street and number			
Municipality			
Device information			
Manufacturer and type of radio station	Serial number	Transmitter Effective Radiated Power [W]	Emission type (FM/PM, AM DSB, AM SSB)
Antenna information			
Manufacturer	Type	Antenna gain (dBd)	

Annex 3

LIST OF ABBREVIATIONS

Abbreviation	Original name	Translation
AES	*Aircraft Earth Stations*	Земаљска станица на ваздухоплову
AFA	*Adaptive Frequency Agility*	Агилност адаптивне фреквенције
ALD	*Assistive Listening Devices*	Помоћни слушни уређаји
ALS	*Assistive Listening Systems*	Помоћни слушни системи
APC	*Adaptive Power Control*	Адаптивна контрола снаге
AP-MP	*Any point-to-Multipoint*	Било која тачка-више тачака
ATPC	*Automatic Transmit Power Control*	Аутоматска контрола снаге предајника
BBDR	*Broad Band Disaster Relief*	Опрема са широкопојасним приступом за помоћ у случају несрећа
BFWA	*Broadband Fixed Wireless Access*	Широкопојасни фиксни бежични приступ
CB	*Citizens Band*	Радиофреквенцијски опсег намењен грађанима
CEPT	*European Conference of Postal and Telecommunications Administrations*	Европска конференција поштанских и телекомуникационих администрација
CW	*Continuos Wave*	Носилац
DAA	*Detect And Avoid*	Детектуј и избегни
DAB	*Digital Audio Broadcasting*	Дигитална звучна радио-дифузија
DC	*Duty Cycle*	Радни циклус
DEC	*Decision*	Одлука
DECT	*Digital Enhanced Cordless Telecommunication*	Дигиталне побољшане бежичне телекомуникације
DFS	*Dynamic Frequency Selection*	Динамички избор фреквенције
DSB	*Double Side Band*	Два бочна опсега
EAS	*Electronic Article Surveillance*	Електронски надзор артикала
ECA	*European Common Allocation*	Заједничка европска намена
ECC	*Electronic Communications Committee*	CEPT-ов Одбор за електронске комуникације

ERC	*European Radiocommunications Committee*	CEPT-ов Европски обор за радио-комуникације (претходник ECC-а)
e.i.r.p	*Equivalent Isotropically Radiated Power*	Еквивалентна изотропно израчена снага
e.r.p.	*Effective Radiated Power*	Ефективна израчена снага
ESIM	*Earth Stations In Motion*	Земаљска станица у покрету
ESOMPs	*Earth Stations On Mobile Platforms*	Земаљске станице на мобилним платформама
ESV	*Earth Stations on-board Vessels*	Земаљске станице на пловилима
FDD	*Frequency Division Duplex*	Дуплекс са фреквенцијском расподелом
FHSS	*Frequency Hopping Spread Spectrum*	Проширени спектар са фреквенцијским скакањем
FM	*Frequency Modulation*	Фреквенцијска модулација
FMCW	*Frequency Modulation Continuos Wave*	Фреквенцијски модулисан носилац
FSS	*Fixed Satellite Service*	Фиксна сателитска служба
FWA	*Fixed Wireless Access*	Фиксни бежични приступ
GBSAR	*Ground Based Synthetic Aperture Radar*	Земаљски радар са синтетичком апертуром
GNSS	*Global Navigation Satellite System*	Глобални навигациони сателитски систем
GPR/WPR	*Ground Probing Radar/Wall Probing Radar*	Радар за испитивање тла/радар за испитивање зидова
GSO	*GeoStationary Orbit*	Геостационарна орбита
HD-GBSAR	*High Definition Ground Based Synthetic Aperture Radar*	Радар са синтетичком апертуром високе резолуције
HEST	*High E.i.r.p. Satellite Terminals*	Сателитски терминал са високом вредношћу e.i.r.p.
HF	*High Frequency*	Висока фреквенција
ISM	*Industrial, Scientific and Medical*	Индустријска, научна и медицинска (примена)
ITS	*Intelligent Transport Systems*	Интелигентни транспортни системи
ITU	*International Telecommunication Union*	Међународна телекомуникациона унија
LAES	*Location Application for Emergency Services*	Пријава локације за хитне службе
LBT	*Listen Before Talk*	Слушај пре разговора

LEST	*Low E.i.r.p. Satellite Terminals*	Сателитски терминал са ниском вредношћу e.i.r.p.
LP-AMI	*Low Power Active Medical Implant*	Активни медицински импланти мале снаге
LPI devices	*Low Power Indoor devices*	Уређаји мале снаге за унутрашњу употребу
LPR	*Level Probing Radar*	Радар за мерење нивоа
LT2	*Location Tracking Type 2*	Праћене локације тип 2
MBANS	*Medical Body Area Network Systems*	Медицински мрежни системи који се користе у пределу тела
MFCN	*Mobile/Fixed Communication Networks*	Мобилне/фиксне комуникационе мреже
NAP	*Network Access Point*	Приступна тачка мреже
NFC	*Near Field Communications*	Комуникације у блиском пољу
NGSO	*Non-GeoStationary Orbit*	Негеостационарна орбита
PM	*Phase Modulation*	Фазна модулација
P-MP	*Point-to-Multipoint*	Тачка-више тачака
PP	*Point-to-Point*	Тачка-тачка
PMR	*Professional Mobile Radio, Private Mobile Radio*	Професионални мобилни радио, приватни мобилни радио
PMSE	*Programme Making and Special Events*	Производња програма и посебни догађаји
RAS	*Radio Astronomy Service*	Радиоастрономска служба
REC	*Recommendation*	Препорука
RFID	*Radio Frequency Identification*	Радиофреквенцијска идентификација
RLANs	*Radio Local Area Network System*	Систем радио-мреже са локалним покривањем
RMS	*Root Mean Square*	Средња снага
RR	*ITU Radio Regulations*	Међународни Правилник о радио-комуникацијама
SRD	*Short Range Device*	Уређај кратког домета
SRR	*Short Range Radar*	Радар кратког домета
SSB	*Single Side Band*	Један бочни опсег
SSP	*Spectrum Scanning Procedure*	Процедура за скенирање спектра
TDD	*Time Division Duplex*	Дуплекс са временском расподелом

TLPR	*Tank Level Probing Radar*	Радари за мерење нивоа у резервоару
TPC	*Transmit Power Control*	Контрола снаге предајника
TTT	*Transport & Traffic Telematics*	Телематика у транспорту и саобраћају
UAS	*Unmanned Aircraft Systems*	Беспилотни ваздухоплови
ULP-AID	*Ultra Low Power Animal Implant Devices*	Импланти за животиње веома мале снаге
ULP-AMI	*Ultra Low Power Active Medical Implant*	Активни медицински импланти веома мале снаге
ULP-AMI-M	*Ultra Low Power Active Medical Membrane Implants*	Активни медицински мембрански импланти врло мале снаге
ULP-WMCE	*Ultra-Low Power Wireless Medical Capsule Endoscopy*	Бежична медицинска капсуларна ендоскопија веома мале снаге
UWB	*Ultra Wideband*	Ултра-широкопојасна мрежа
VLP devices	*Very Low Power devices*	Уређаји веома мале снаге
VSAT	*Very Small Aperture Terminal*	Терминална опрема веома мале апертуре
WAS	*Wireless Access System*	Систем бежичног приступа
WIA	*Wireless Industrial Applications*	Бежичне индустријске примене