Government Gazette
Staatskoerant

REPUBLIC OF SOUTH AFRICA
REPUBLIEK VAN SUID AFRIKA

Vol. 690 21 December / Desember 2022 No. 47792

ISSN 1682-5845

Contents

INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA

NOTICE 1527 OF 2022

ELECTRONIC COMMUNICATIONS ACT, 2005 (ACT NO. 36 OF 2005)

NOTICE OF INTENTION TO AMEND ANNEXURE B OF THE RADIO FREQUENCY SPECTRUM AMENDMENT REGULATIONS, 2021

1. The Independent Communications Authority of South Africa ("The Authority") hereby publishes a notice of its intention to amend Annexure B of the Radio Frequency Spectrum Regulations, 2015 published in Notice No. 279 under Government Gazette No. 38641 of 30 March 2015, to the extent indicated in the schedule.

2. The Authority is proposing the incorporation of the lower 6 GHz (5925 – 6425 MHz) and the 122 – 246 GHz radio frequency bands for Non-Specific Short-range Applications in Annexure B of the Radio Frequency Spectrum Amendment Regulations, 2021. This will provide a much-needed boost for Wi-Fi availability and uptake, and it is expected to enable faster data communications between devices connected to wireless infrastructure, reduce latency, improve efficiency and data throughput.

   The decision to update the regulations is necessitated by the need to keep the provisions of the regulations current with the existing and emerging technologies aimed at revolutionising the electronic communications sector.

The lower 6 GHz band is rapidly emerging worldwide as a key component in broadband rollout and uptake, providing an essential local loop component to support fiber or fixed wireless access (FWA) backhaul and Wi-Fi deployment. Making the lower 6 GHz available for Wi-Fi / RLAN (Radio Local Area Network) deployment thus offers important support to the South African national broadband plan (SA Connect) and to its objectives of enabling socio-economic growth and development.

3. Interested persons are hereby invited to submit written representations on the proposed amendments to Annexure B of the Radio Frequency Spectrum Amendment Regulations, 2021 (Government Gazette 45690 published on 24 December 2021). Written representations must include an electronic version of the representation in Microsoft Word and a signed pdf, by no later than 16h00 on 30 January 2023.

Written submissions can be submitted by emailed, post or hand delivered to:

Independent Communications Authority of South Africa
Bethuel Nkgadime
350 Witch-Hazel Avenue,
Eco Point Office Park,
Eco Park, **CENTURION**,
Gauteng

E-mail: BNkgadime@icasa.org.za, Tel: 012 568 3993

4. Any person who submits written representations pursuant to this notice, may request that specific information be treated as confidential in terms of section 4D of the Independent Communications Authority of South Africa Act, 2000 (Act No. 13 of 2000). If the request for confidentiality is refused, the person making the request will be allowed to withdraw such representations or a portion thereof.

The guidelines for confidentiality requests are contained in Government Gazette Number 41839 (Notice 849 of 2018).

_____

Dr. Charley Lewis

ACTING CHAIRPERSON

Date: /12/2022

SCHEDULE

The Independent Communications Authority of South Africa has, under sections 4 (1) and 35 of the Electronic Communications Act, 2005 (Act No. 36 of 2005) ("ECA"), read with section 4(3)(j) of the Independent Communications Authority of South Africa Act, 2000 (Act No. 13 of 2000), made the regulations in the Schedule

1. Definitions

In these Regulations "the Regulations" means the Radio Frequency Spectrum Regulations, 2015 as published under Government Notice No. 279 of 30 March 2015 (Government Gazette No. 38641), as amended in Notice No. 386 of 30 April 2015 (Government Gazette No. 38754), Notice No. 781 of 22 November 2016 (Government Gazette No. 40436) and Notice No. 737 of 21 December 2021 (Government Gazette No. 45690).

2. Short Title and Commencement

These Regulations are called the Amended Radio Frequency Spectrum Regulations, 2022 and will come into force on the date of publication in the Government Gazette.

3. Substitution of Annexure B of the Regulations (Apparatus exempt from Radio Frequency Spectrum Licenses)

The following annexure is hereby substituted for Annexure B of the Regulations:

Annexure B

Apparatus exempt from radio frequency spectrum licences

The use or possession of the Radio Apparatus listed in Column B below, in accordance with all specifications listed in Columns, A, C, D and E of the Table below shall not require a radio frequency spectrum licence. The Electromagnetic Compatibility (EMC) and Safety requirement for relevant Application Type is still mandatory and must refer to the prescribed standards in the ICASA Official List of Regulated Standards.

Table of radio frequency spectrum licence Exemptions

Column A **Frequency Bands** **K=kHz** **M=MHz** **G=GHz**	**Column B** **Application Type**	**Column C** **Maximum Radiated Power, Field Strength or Sensitivity Limits**	**Column D** **Relevant Performance Standards**	**Column E** **Additional Requirements**
9-135K	Ultra Low Power Active Medical Implant (ULP-AMI) Devices	30 dBµA/m at 10 m	EN 302 195	CEPT/ERC/REC 70-03
9-135K	Inductive Applications	42 dBµA/m @ 10 m (Additional restrictions apply to limits above 42 dBµA/m as per standard)	SANS 300 330	
135-140K	Inductive Applications	42 dBµA/m @ 10 m	SANS 300 330	CEPT/ERC/REC 70-03
140-148.5K	Inductive Applications	37.7 dBµA/m @ 10 m	SANS 300 330	CEPT/ERC/REC 70-03
148.5-5000K	Inductive Applications	-15 dBµA/m at 10 m	SANS 300 330	CEPT/ERC/REC 70-03

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
		(Additional restrictions as per CEPT/ERC/REC 70-03)		
315-600K	Ultra Low Power Animal Implantable Devices (ULP-AID) and Peripherals	-5 dBµA /m at 10 m	EN 302 536	
400-600K	RFID Applications only	-8 dBµA/m at 10 m (additional restrictions as per CEPT/ERC/REC 70-03)	SANS 300 330	CEPT/ERC/REC 70-03
456.9-457.1K	Emergency detection of buried victims and valuable items	7 dBµA/m at 10 m	EN 300 718	CEPT/ERC/REC 70-03
3.155-3.4M	Low Power Wireless Hearing Aid	13.5 dBµA/m @ 10 m	SANS 300 330	
3.155-3.4M	Inductive Applications	13.5 dBµA/m @ 10 m	SANS 300 330	CEPT/ERC/REC 70-03
5-30M	Inductive Applications	-20 dBµA/m at 10 m (additional restrictions as per CEPT/ERC/REC 70-03)	SANS 300 330	CEPT/ERC/REC 70-03
6.765-6.795M	Inductive Applications	42 dBµA/m @ 10 m	SANS 300 330	CEPT/ERC/REC 70-03
7.4-8.8M	Inductive Applications	9 dBµA/m @ 10m	SANS 300 330	CEPT/ERC/REC 70-03
10.2-11M	Inductive Applications	9 dBµA/m @ 10 m	SANS 300 330	CEPT/ERC/REC 70-03

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
13.553-13.567M	Inductive Applications	42 dBµA/m @ 10 m	SANS 300 330	CEPT/ERC/REC 70-03
13.553-13.567M	RFID (incl. NFC) and EAS applications only	60 dBµA/m @ 10 m	SANS 300 330	CEPT/ERC/REC 70-03
13.553-13.567M	Non-specific SRD	10 mW e.r.p.	SANS 300 330	CEPT/ERC/REC 70-03
26.957-27.283M	Inductive Applications	42 dBµA/m @ 10 m	SANS 300 330	
26.957-27.283M	Non-specific SRD	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
26.96-27.41M	Citizens Band (CB) Radio	4 W.e.r.p for DSM 12 W.e.r.p for SSB	EN 300 433	CEPT/ERC/REC 70-03
26.99-27.00M	Model Control Devices	100 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
27.04-27.05M	Model Control Devices	100 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
27.09-27.10M	Model Control Devices	100 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
27.14-27.15M	Model Control Devices	100 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
27.19-27.20M	Model Control Devices	100 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
29.7-47.0M	Radio Microphones	10 mW e.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
30-37.5 MHz	Ultra Low Power medical membrane implants (ULP-AMI-M)	1 mW e.r.p.	EN 302 510	CEPT/ERC/REC 70-03
34.995-35.225M	Aircraft Model Control	100 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
36.65-36.75M	Wireless Microphones	100 mW e.r.p.	SANS 300 422	
40.65-40.70M	Wireless Microphones	100 mW e.r.p.	SANS 300 422	
40.66-40.7M	Model Control Devices	100 mW e.r.p.	SANS 300 220	
40.66-40.7M	Non-specific SRD	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
46.61-46.97M 49.67-49.97M	CT0 Cordless phones	10 mW e.i.r.p.	SANS 300 175 TE-013	Government Gazette 22443 of 4th July 2001
53-54M	Wireless Microphones	10 mW e.r.p.	SANS 300 422	

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
54.4500M; 54.4625M; 54.4750M; 54.4875M; 54.500M; 54.5125M; 54.5250M; 54.5375M; 54.5500M	Model Control	5 W e.r.p.	SANS 300 220	
138.2-138.45M	Non-specific SRD	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
141-142M	Remote Control Industrial Apparatus	100 mW e.r.p.	SANS 300 220	
148-152M	Wildlife Telemetry Tracking	25 mW e.r.p.	SANS 300 220	The use of this band is restricted to national game parks.
169.4-169.475M	Meter Reading	500 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
169.4-169.475M	Assistive Listening Device (ALD)	500 mW e.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
169.4-169.475M	Non-Specific SRD	500 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
169.4-169.4875M	Non-Specific SRD	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
169.4-174M	Assistive Listening Device (ALD)	10 mW e.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
169.4875- 169.5875M	Assistive Listening Device (ALD)	500 mW e.r.p.	SANS 300 422	CEPT/ERC/REC 70-03

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
169.4875-169.5875M	Non-Specific SRD	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
169.5875-169.8125M	Non-Specific SRD	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
173.2125-173.2375M	Non-specific SRD – telecommand only	10 mW e.r.p.	SANS 300 220	
173.2375-173.2875M	Non-specific SRD	I0 mW e.r.p.	SANS 300 220	
173.7-175.1M	Wireless Microphones and assistive listening devices	10 mW e.i.r.p.	SANS 300 220	
173.965-216M	Assistive Listening Device (ALD)	10 mW e.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
174-216M	Radio Microphone	50 mW e.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
401-402M	Ultra Low Medical Data Services (UL-MEDS)	25 µW e.r.p.	EN 302 537	CEPT/ERC/REC 70-03
402-405M	Ultra Low Power Active Medical Implant (ULP-AMI)	25 µW e.r.p.	EN 301 839	CEPT/ERC/REC 70-03
405-406M	Ultra Low Medical Data Services (UL-MEDS)	25 µW e.r.p.	EN 302 537	CEPT/ERC/REC 70-03
402-406M	Wireless Microphones	10 mW e.r.p.	SANS 300 422	
402-406M	Doppler shift movement detectors, garage door openers and motor car alarm systems	10 mW e.r.p.	SANS 300 220	

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
430-440M	Ultra-Low Power Wireless Medical Capsule Endoscopy (ULP-WMCE)	-40 dBm/10MHz	EN 303 520	CEPT/ERC/REC 70-03
433.05-434.79M	Non-specific SRD	1 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
433.05-434.79M	Non-specific SRD	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
446-446.2M	Public Mobile Radio (PMR) 446 applications	500mW e.r.p.	EN303 405	CEPT/ERC/REC 70-03
463.975M; 464.125M; 464.175M; 464.325M; 464.375M;	Low Power Radio	500 mW e.r.p.	SANS 300 296	
464.5375M	Security systems	1 W e.r.p.	SANS 300 296	
464.5-464.5875M	Non-specific SRD	100 mW e.r.p.	SANS 300 220	
470-786M	Radio Microphones	50 mW e.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
786-789M	Radio microphones	12 mW e.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
823-826M	Radio microphones	20 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
823-826M	Body Worn Equipment	100 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
826-832M	Radio microphones	100 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
862-863M	Non-Specific SRD	25 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
863-865M	Wireless Microphones	10 mW e.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
863-865M	Wireless audio and multimedia streaming devices	10 mW e.r.p.	SANS 301 357	CEPT/ERC/REC 70-03
863–868M	Non-specific SRD	25mW	EN 304 220	CEPT/ERC/REC 70-03

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
863-870M	Non-specific SRD	25 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
865-865.6 M	RFID Applications	100 mW e.r.p.	SANS 302 208	CEPT/ERC/REC 70-03
865.6-867.6 M	RFID Applications	2 W e.r.p.	SANS 302 208	CEPT/ERC/REC 70-03
867.6-868 M	RFID Applications	500 mW e.r.p.	SANS 302 208	CEPT/ERC/REC 70-03
864.1-868.1M	CT2 Cordless phones	10 mW e.i.r.p.	SANS 301 797 TE - 012	
868-868.6M	Non-specific SRD	25 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
868.6-868.7M	Alarms	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
868.7-869.2M	Non-specific SRD	25 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
869.2-869.25M	Social Alarm	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
869.25-869.3M	Alarms	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
869.3-869.4M	Alarms	10 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
869.4-869.65M	Non-specific SRD	500mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
869.4-869.65M	RFID Applications	500mW e.r.p.	SANS 300 220	
869.65-869.7M	Alarms	25 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
869.7-870M	Non-specific SRD	5 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
869.7-870M	Non-specific SRD	25 mW e.r.p.	SANS 300 220	CEPT/ERC/REC 70-03
915.1-915.2M	Real Time Location System (RTLS)	25 mW e.r.p.	SANS 300 086	
915.3-920.9M	Tag Transmit	-10 dBm e.r.p.	SANS 302 208	ECC Report 200
916.1-916.5M	Interrogator Transmit	4 W e.r.p.	SANS 302 208	ECC Report 200
917.3-917.7M	Interrogator Transmit	4 W e.r.p.	SANS 302 208	ECC Report 200
918.5-918.9M	Interrogator Transmit	4 W e.r.p.	SANS 302 208	ECC Report 200
919.7-920.1M	Interrogator Transmit	4 W e.r.p.	SANS 302 208	ECC Report 200
915.4-919M	Modulating RFID systems (FHSS)	4 W e.r.p.	FCC CFR 47 Part 15.247	

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
1350-1400M	Radio Microphones	20 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1350-1400M	Body Worn Equipment	50 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1492-1518M	Radio Microphones	50 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1518-1525M	Radio Microphones	50 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1656.5-1660.5M	Assistive Listening Systems (ALS)	2 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1785-1795M	Radio Microphones	20 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1785-1795M	Body Worn Equipment	50 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1795-1800M	Radio Microphones	20 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1795-1800M	Wireless audio and multimedia streaming devices	20 mW e.i.r.p.	SANS 301 357	CEPT/ERC/REC 70-03
1795-1800M	Body Worn Equipment	50 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1800-1804.8M	Radio Microphones	20 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1800-1804.8M	Body Worn Equipment	50 mW e.i.r.p.	SANS 300 422	CEPT/ERC/REC 70-03
1880-1900M	DECT Systems	250 mW e.i.r.p.	SANS 301 406 TE 001	CEPT/ERC/REC 70-03
2400-2483.5M	Non-specific SRD	10 mW e.i.r.p.	SANS 300 440	CEPT/ERC/REC 70-03
2400-2483.5M	Wideband Data Transmission Systems (WBDTS)	100 mW e.i.r.p.	SANS 300 328	CEPT/ERC/REC 70-03
2400-2483.5M	Radiodetermination Applications	25 mW e.i.r.p.	SANS 300 440	CEPT/ERC/REC 70-03
2400-2483.5M	Low power Video Surveillance	100 mW e.i.r.p.	SANS 300 440	

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
2446-2454M	RFID Applications	500 mW e.i.r.p. (Additional restrictions apply to limits above 500 mW as per standard)	SANS 300 440	CEPT/ERC/REC 70-03
2483.5-2500M	Low Power Active Medical Implants (LP-AMI) and peripherals (LP-AMI-P)	10 dBm e.i.r.p.	EN 301 559	CEPT/ERC/REC 70-03
2483.5-2500M	Medical Body Area Network System (MBANS)	1 mW e.i.r.p.	SANS 303 203	CEPT/ERC/REC 70-03
2483.5-2500M	Medical Body Area Network System (MBANS)	10 dBm e.i.r.p.	SANS 303 203	CEPT/ERC/REC 70-03
3100-3400M	Ultra-Wide Band (UWB) Applications	-36 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
3400-3800M	Ultra-Wide Band (UWB) Applications	-40 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
3400-4200M	Ultra-Wide Band (UWB) Location tracking application for emergency and disaster situations (LAES)	20 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
3400-4200M	Ultra-Wide Band (UWB) Location tracking application for emergency and disaster situations (LAES)	0 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
3400-4200M	Ultra-Wide Band (UWB) Location tracking application for emergency and disaster situations (LAES)	0 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
3400-4800M	Ultra-Wide Band (UWB) Location Tracking Systems TYPE 2 (LT2)	0 dBm e.i.r.p. @ 50MHz	SANS 302 065	CEPT/ERC/REC 70-03
3800-4200M	Radiodetermination Applications	-30 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
4200-4800M	Radiodetermination Applications	-30 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
4200–4800M	Radiodetermination Applications for Location tracking application for emergency and disaster situations (LAES)	0 dBm	EN 302 065	CEPT/ERC/REC 70-03
4500-7000M	Tank Level Probing Radar (TLPR)	24 dBm e.i.r.p. @ 50MHz	EN 302 372	CEPT/ERC/REC 70-03
5150-5250M	Wireless Access Systems / Radio Local Access Network (WAS & RLAN) Indoor use only.	23 dBm e.i.r.p.	SANS 301 893	ECC/DEC/(04)08 ITU Res 229 (WRC-19)
5250-5350M	Wireless Access Systems / Radio Local Access	23 dBm e.i.r.p.	SANS 301 893	ECC/DEC/(04)08 ITU-R M.1652

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
	Network (WAS & RLAN) Indoor use only.			ITU Res 229 (WRC-19)
5470-5725M	Wireless Access Systems / Radio Local Access Network (WAS & RLAN)	30 dBm e.i.r.p.	SANS 301 893	ECC/DEC/(04)08 ITU-R M.1652 ITU Res 229 (WRC-19)
5725-5875M	Non-Specific SRD	25 mW e.i.r.p.	SANS 300 440	CEPT/ERC/REC 70-03
5725-5875M	Wireless Industrial Applications (WIA)	400 mW e.i.r.p.	EN 303 258	CEPT/ERC/REC 70-03
5725-5875M	Broadband Fixed Wireless Access systems (BFWA)	36 dBm e.i.r.p.	SANS 302 502	ECC/REC/(06)04
5725–5875M	Broadband Fixed Wireless Access systems (BFWA)	30 dBm e.i.r.p.	FCC 47 CRF Part 15.247	
5795-5805M	Transport and Traffic Telematics (TTT) Devices	2 W e.i.r.p.	SANS 300 674	CEPT/ERC/REC 70-03
5805-5815M	Transport and Traffic Telematics (TTT) Devices	2 W e.i.r.p.	SANS 300 674	CEPT/ERC/REC 70-03
5855–5875M	Intelligent Transportation Systems (ITS)	33 dBm e.i.r.p.	EN 302 571	CEPT/ERC/REC 70-03
5875-5905M	Intelligent Transportation Systems (ITS)	33 dBm e.i.r.p.	EN 302 571	CEPT/ERC/REC 70-03
5905–5925M	Intelligent Transportation Systems (ITS)	33 dBm e.i.r.p.	EN 302 571	CEPT/ERC/REC 70-03
5925–6425M	Wireless Access Systems / Radio Local Access Network (WAS & RLAN)	23 dBm e.i.r.p 14 dBm e.i.r.p	EN 303 687	ATU-R Rec.005-0 A3, 2021; (EU) 2021/1067

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
6000-8500M	Radiodetermination Applications	0 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
6000-6650M	Radiodetermination Applications	0 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
6650-6675.2M	Radiodetermination Applications	-12 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
6675.2-8500M	Radiodetermination Applications	0 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
6000-8500M	Radiodetermination Applications	7 dBm e.i.r.p. @ 50MHz	EN 302 729	CEPT/ERC/REC 70-03
8500-9000M	Radiodetermination Applications	-25 dBm e.i.r.p. @ 50MHz	EN 302 065	CEPT/ERC/REC 70-03
8500M-10.6G	Radiodetermination Applications	30 dBm e.i.r.p. @ 50MHz	EN 302 372	CEPT/ERC/REC 70-03
9200-9500M	Radiodetermination Applications	25 mW e.i.r.p.	SANS 300 440	CEPT/ERC/REC 70-03
9500-9975M	Radiodetermination Applications	25 mW e.i.r.p.	SANS 300 440	CEPT/ERC/REC 70-03
10.025-10.145G	Low power Video Surveillance	1 W e.i.r.p.	SANS 300 440	
10.5-10.6G	Radiodetermination Applications	500 mW e.i.r.p.	SANS 300 440	CEPT/ERC/REC 70-03
13.4-14G	Radiodetermination Applications	25 mW e.i.r.p.	SANS 300 440	CEPT/ERC/REC 70-03
17.1-17.3G	Radiodetermination Applications	26 dBm e.i.r.p.	SANS 300 440	CEPT/ERC/REC 70-03

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
17.1-17.3G	HiperLAN	100 mW e.i.r.p.		
24-24.25G	Non-Specific SRD	100 mW e.i.r.p.	SANS 300 440	CEPT/ERC/REC 70-03
24.05-24.25G	Radiodetermination Applications	100 mW e.i.r.p.	SANS 300 440	CEPT/ERC/REC 70-03
24.05-27G	Radiodetermination Applications	43 dBm e.i.r.p. @ 50MHz	EN 302 372	CEPT/ERC/REC 70-03
24.05-26.5G	Radiodetermination Applications	26 dBm e.i.r.p. @ 50MHz	EN 302 729	CEPT/ERC/REC 70-03
24.05-24.075G	Transport and Traffic Telematics (TTT) Applications for Automotive Radars	100 mW e.i.r.p.	EN 302 858	CEPT/ERC/REC 70-03
24.075-24.15G	Transport and Traffic Telematics (TTT) Applications for Automotive Radars (road vehicles only)	0.1 mW e.i.r.p.	EN 302 858	CEPT/ERC/REC 70-03
24.15-24.25G	Transport and Traffic Telematics (TTT) Applications for Automotive Radars (road vehicles only)	100 mW e.i.r.p.	EN 302 858	CEPT/ERC/REC 70-03
57-64G	Radiodetermination Applications	43 dBm e.i.r.p. @ 50MHz	EN 302 372	CEPT/ERC/REC 70-03
57-64G	Radiodetermination Applications	35 dBm e.i.r.p. @ 50MHz	EN 302 729	CEPT/ERC/REC 70-03

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
57-64G	Non-Specific SRD	100 mW e.i.r.p.	EN 305 550	CEPT/ERC/REC 70-03
57-64G	Point-to-point (P-P) Digital Fixed Radio Systems (DFRS)	55 dBm e.i.r.p.	SANS 302 217	ECC/REC (09)01
57-71G	Multi-Gigabit Wireless Systems (MGWS)	40 dBm e.i.r.p.	EN 302 567	CEPT/ERC/REC 70-03 ECC Report 113 ECC Report 114 ECC Report 288
61-61.5G	Non-Specific SRD	100 mW e.i.r.p.	EN 305 550	CEPT/ERC/REC 70-03
63.72-65.88G	Intelligent Transportation Systems (ITS)	40 dBm e.i.r.p.	EN 302 686	CEPT/ERC/REC 70-03
75-85G	Radiodetermination Applications	43 dBm e.i.r.p. @ 50MHz	EN 302 372	CEPT/ERC/REC 70-03
75-85G	Radiodetermination Applications	34 dBm e.i.r.p. @ 50MHz	EN 302 729	CEPT/ERC/REC 70-03
76-77G	Transport and Traffic Telematics (TTT) Applications	55 dBm peak e.i.r.p.	EN 301 091	CEPT/ERC/REC 70-03
76-77G	Transport and Traffic Telematics (TTT) Applications for Obstacle Detection Radars for rotorcraft use	30 dBm peak e.i.r.p.	EN 303 360	CEPT/ERC/REC 70-03
77-81G	Transport and Traffic Telematics (TTT) Applications for	55 dBm e.i.r.p.	EN 302 264	CEPT/ERC/REC 70-03

Column A Frequency Bands K=kHz M=MHz G=GHz	Column B Application Type	Column C Maximum Radiated Power, Field Strength or Sensitivity Limits	Column D Relevant Performance Standards	Column E Additional Requirements
	Automotive Short Range Radars (SRR)			
122-122.25G	Non-Specific SRD	100 mW e.i.r.p	EN 305 550	CEPT/ERC/REC 70-03
122.25-123G	Non-Specific SRD	100 mW e.i.r.p.	EN 305 550	CEPT/ERC/REC 70-03
244-246G	Non-Specific SRD	100 mW e.i.r.p.	EN 305 550	CEPT/ERC/REC 70-03

Use and possession of all radio apparatus exempt in terms of the above table must comply with the following:

(a) All radio apparatus must be type-approved by the Authority in accordance with section 35 of the Act;

(b) The frequencies, transmitting power and external high-gain antenna of the radio apparatus must not be altered without a new type approval certificate being issued by the Authority;

(c) The Radio Apparatus must be operated within, and not exceed, the technical parameters set out in each of the applicable columns C and D of the Table with respect to the frequency band; maximum radiated power or field strength limits and channel spacing; relevant standard; and duty cycles and antennas to be used as contained in Column E;

(d) The antenna of the Radio Apparatus must not be higher or above average ground level than the lowest point of the place where the Radio Apparatus operates effectively;

(e) The Radio Apparatus must not cause interference with any licensed radio frequency spectrum; and

(f) The user of the Radio Apparatus in the licence-exempt frequency spectrum operates on non-interference and zero protection basis from interference."

Printed by and obtainable from the Government Printer, Bosman Street, Private Bag X85, Pretoria, 0001
Contact Centre Tel: 012-748 6200. eMail: info.egazette@gpw.gov.za
Publications: Tel: (012) 748 6053, 748 6061, 748 6065