

Annexure B - Apparatus exempt from radio frequency spectrum licenses

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:

Table of Radio Frequency Spectrum Licence Exemptions

| Column A Frequency Bands K=kHz M=MHz G=GHz | Column B Type of Device | Column C Maximum Radiated Power or Field Strength Limits & Channel spacing | Column D Relevant Standard | Column E Additional Requirements |
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| 9-59.75K | Inductive Loop System. | 72 dB μ A/m @ 10m. No duty cycle restriction. No channel spacing. | EN 300 330 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 59.75-60.25K | Inductive Loop System. | 42 dB μ A/m @ 10m. No restrictions on duty cycle No channel spacing. | N 300 330 EN 301 489-1,3 EN 60950 ISO/ IEC 18047-2 | CEPT/ERC/REC 70-03 ASK, FSK, & PSK |
| 60.25-70K | inductive Loop System. | 72 dB μ A/m @ 10m. No restrictions on duty cycle No channel spacing. | EN 300 330 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 70-119K | Inductive Loop System. | 42 dB μ A/m @ 10m. | N 300 330 EN 301 489-1,3 | CEPT/ERC/REC 70-03 |

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| | | No restrictions on duty cycle | EN 60950 | ASK, FSK, & PSK |
| | | No channel spacing. | ISO/ IEC 18047-2 | |
| 119-135K | Inductive Loop System X | 72 dB μ A/m @ 10m. | EN 300 330 | CEPT/ERC/REC 70-03 |
| | | No restrictions on duty cycle | EN 301 489-1,3 | |
| | | No channel spacing. | EN 60950 | ASK, FSK, & PSK |
| | | | ISO/ IEC 18047-2 | |
| 740-8800K | Inductive Loop System | 9 dB μ A/m @ 10m. | EN 300 330 | CEPT/ERC/REC 70-03 |
| | | No restrictions on duty cycle | EN 301 489-1,3 | |
| | | No channel spacing. | EN 60950 | |
| 6.765-6.795M | Inductive Loop System | 42 dB μ A/m @ 10m. | EN 300 330 | CEPT/ERC/REC 70-03 |
| | | No restrictions on duty cycle | EN 301 489-1,3 | |
| | | No channel spacing. | EN 60950 | |
| 13.553-13.567M | Inductive Loop System | 42 dB μ A/m @ 10m. | EN 300 330 | CEPT/ERC/REC 70-03 |
| | | No restrictions on duty cycle | EN 301 489-1,3 | |
| | | No channel spacing. | EN 60950 | ASK, FSK, & PSK |
| 26.957-27.283M | Inductive Loop System | 42 dB μ A/m @ 10m. | EN 300 330 | CEPT/ERC/REC 70-03 |
| | | No restrictions on duty cycle | EN 301 489-1,3 | |
| | | No channel spacing. | EN 60950 | |
| 26.957-27.283M | Non-specific SRD. | 10 rnW erp | EN 300 220 | CEPT/ERC/REC 70-03 |

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| | | No restrictions on duty cycle. No channel spacing. | EN 301 489-1,3 EN 60950 | |
| 26.995; 27.045; 27.095; 27,145; 27.195M | Surface Model Control. | 100 rnW erp. No restrictions on duty cycle. 10 kHz channel spacing. | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 35.00 – 25.25M | Aircraft Model Control. | 100 rnW erp. No restrictions on duty cycle. 10 kHz channel spacing. | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 36.65 – 36.75M | Wireless Microphones. | 100 rnW erp. 100% duty cycle. No channel spacing. | EN 300 422 EN 301 489-9 EN 60950 | CEPT/ERC/REC 70-03 |
| 40.65 – 40.70M | Wireless Microphones. | 100 rnW erp 100% duty cycle No channel spacing. | EN 300 422 EN 301 489-9 EN 60950 | CEPT/ERC/REC 70-03 |
| 40.665, 40.675, 40.685, 40.695 | Surface Model Control. | 100mW erp. No restriction on duty cycle. 10 kHz channel spacing. | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 40.66 – 40.7M | Non-specific SRD. | 10 mW erp. No duty cycle restriction. No channel spacing. | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |

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| 46.61 – 46.97M 49.67 – 49.97M | CTO Cordless Phones. | 10 mW eirp | The Authority TE-013 | Government Gazette 22443 of 4th July 2001 |
| 53 – 54M | Wireless Microphones. | 50 mW erp for class 1 equipment 100 mW erp 100% duty cycle No channel spacing | EN 300 422 EN 301 489-1,9 EN 60950 | CEPT/ERC/REC 70-03 |
| 54.4500; 54.4625; 54.4750; 54.4875; 54.500; 54.5125; 54.5250; 54.5375; 54.5500M | Model Control. | 5W erp 12.5kHz channel spacing | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 141 – 142M | Remote Control Industrial Apparatus. | 100mW erp | EN 300 220 EN 301 489-1,3 EN 60950 | |
| 148 – 152M | Wildlife telemetry Tracking. | 25mW erp | EN 300 220 EN 301 489-1,3 EN 60950 | The use of this band is restricted to National game Parks. |
| 169.4 – 169.475M | Meter Reading | 500mW erp 50kHz channel spacing < 10% duty cycle | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 ECC/DEC (05)02 |
| 173.2125 – | Non-specific | 10 mW erp | EN 300 220 | |

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| 173.2375M | SRD – telecommnand only. | 25 kHz channel spacing | EN 301 489-1,3 EN 60950 | |
| 173.2375 – 173.2875M | Non-specific SRD. | 10 mW erp. 25 kHz channel spacing. | EN 300 220 EN 301 489-1,3 EN 60950 | |
| 173.965 – 174.015M | Wireless Microphones and assistive listening devices. | 2 mW eirp. 100% duty cycle. No channel spacing. | EN 300 220 EN 301 489-9 EN 60950 | CEPT/ERC/REC 70-03 |
| 402 – 405M | Medical Implants. | 25 μ W erp. No duty cycle restriction for devices with LBT, otherwise $\leq 1\%$. 25 kHz channel spacing. | EN 300 839 EN 301 489-1,3 EN 60950 | ITU-R RS.1346 CEPT/ERC/DEC (01)17 |
| 402 – 406M | Doppler shift movement detectors, wireless microphones, garage door openers and motor car alarm systems. | 10 mW erp. No channel spacing. 100% duty cycle. | EN 300 422 EN 300 220 EN 301 489-1,3 EN 60950 | |
| 433.05 – 434.79M | Non specific SRD | 1 mW erp. No channel spacing. 100% duty cycle | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 ASK, FSK, PSK, & FHSS |

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| | | | ISO/IEC 18047-7 | |
| 433.05 – 434.79M | Non specific SRD | 10mW erp duty cycle < 10% No channel spacing | EN 300 220 EN 301 489-1,3 EN 60950 ISO/IEC 18047-7 | CEPT/ERC/REC 70-03 ASK, FSK, PSK, & FHSS |
| 433.05 – 434.79M | Non specific SRD | 10 mW erp 100% duty cycle Up to 25kHz channel spacing. | EN 300 220 EN 301 489-3 EN 60950 ISO/IEC 18047-7 | CEPT/ERC/REC 70-03 |
| 446 - 446.1 M includes the following eight channels. 446.00625M; 446.01875M; 446.03125M; 446.04375M; 446.05625M; 446.06875M; 446.08125M; 446.09375M; | Public Mobile Radio (PMR). | 500mW. 12,5 kHz channel spacing | EN 300 296 EN 301 489-5 EN 60950 | |
| 464.5375M | Security systems | 1W 25 kHz channel spacing. | EN 300 296 EN 301 489-5 EN 60950 | |

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| 464.500 – 464.5875 | Non-specific SRD | 100mW No channel spacing | EN 300 220 EN 301 489-3 EN 60950 ISO/IEC 18047-7 | |
| 463.975M; 464.125M; 464.175M; 464.325M; 464.375M; | Low Power Radio. | 500mW. 12,5 kHz channel spacing | EN 300 296 EN 301 489-5 EN 60950 | CEPT/ERC/REC 70-03 |
| 863 – 865M | Wireless Audio Systems. | 10 mW erp. 100 % duty cycle. No channel spacing. | EN 300 357 EN 301 489-9 EN 60950 | CEPT/ERC/REC 70-03 CEPT/ERC/DEC (01) 18 |
| 863 – 865M | Wireless Microphones | 10 mW erp. 100 % duty cycle. No channel spacing. | EN 300 422 EN 301 489-9 EN 60950 | CEPT/ERC/REC 70-03 |
| 864.1 – 868.1M | CT2 cordless telephones | 10 mW eirp. | EN 301 797 EN 301 489- 1,10 The Authority TE - 012 | CEPT/ERC/REC 70-03 |
| 868 – 868.6M | Non specific SRD | 25 mW erp. < 1% duty cycle or | EN 300 220 EN 301 489-1,3 | CEPT/ERC/REC 70-03 CEPT/ERC/DEC (01) 04 |

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| | | LBT. | EN 60950 | |
| 868.6 – 868.7M | Alarms. | 10 mW erp. < 1 % duty cycle. 25 kHz channel spacing. | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 CEPT/ERC/REC (01) 09 |
| 868.7 – 869.2M | Non specific SRD | 25 mW erp. < 0.1 % duty cycle or LBT. No channel spacing. | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 CEPT/ERC/REC (01) 04 |
| 869.25 – 869.3M | Alarms. | 10 mW erp. < 0.1 % duty cycle. 25 kHz channel spacing. | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 869.4 – 869.65M | Non-specific SRD. | 500mW erp. < 10% duty cycle or LBT. 25 kHz channel spacing. | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 869.65 – 869.7M | Alarms | 25 mW erp. 10 % duty cycle. 25 kHz channel spacing. | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 869.7 – 870.0M | Non-specific SRD. | 5 mW erp. 100 % duty cycle. | EN 300 220 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |

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| | | No channel spacing. | | |
| 1880 – 1900M | DECT cordless hones. | 250 mW eirp (peak). 1.728 MHz channel spacing. | EN 300 406 EN 301 489-1,6 EN 60950 The Authority TE 001 | |
| 2400 – 2483.5M | Non-specific SRD | 10 mW erp. No duty cycle. No channel spacing. | EN 300 440 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 2400 - 2483.5M | Wideband Wireless Systems WLAN Wideband Data Transmission Applications (WBDTS) Model Control. | 100 Mw eirp. No duty Cycle. No channel spacing. | EN 300 328 EN 301 489 - 1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 2400 – 2483.5M | FDDA | 25 mW erp. No duty cycle. No channel spacing. | EN 300 440 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 2400 – 2483.5M | Low power Video Surveillance | 100 mW erp. No duty cycle. No channel spacing. | EN 300 440 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 5150 – 5350M | Wireless Access | 200 mW eirp. | EN 300 893 | ITU-R M.1625 |

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| | Systems / Radio Local Access Network (WAS & RLAN) indoor use only. | Dynamic Frequency Selection (DFS) & Transmitter Power Control Obligatory. | EN 301 489-1,17 EN 60950 | |
| 5470 – 5725M | Wireless Access Systems / Radio Local Access Network (WAS & RLAN): indoor use only. | 1 W eirp. Dynamic Frequency Selection (DFS) & Transmitter Power Control Obligatory. | EN 300 893 EN 301 489-1,17 EN 60950 | ITU-R M.1625 |
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| 5725 – 5875M | | 1 watt peak eirp Any modulation | | |
| 5725 – 5875M | | 4 watt peak eirp Frequency hopping or digital modulation only | | |
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| 5795 – 5805M | RTTT data | 2 W eirp. No duty cycle restriction. No channel spacing. | EN 300 674 EN 301 489-1,3 EN 60950 | ITU-R M.1453 CEPT/ERC/DEC (92)02 |
| 5805 – 5815M | RTTT data. | 2 W eirp. No duty cycle restriction. No channel spacing. | EN 300 674 EN 301 489-1,3 EN 60950 | ITU-R M.1453 CEPT/ERC/DEC (92)02 |
| 9200 – 9500M | FDDA. | 25 rnW eirp. No duty cycle restriction. | EN 300 440 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |

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| | | No channel spacing. | | |
| 9500 – 9975M | FDDA. | 25 rnW eirp. No duty cycle restriction. No channel spacing. | EN 300 440 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 10.5 – 10.6G | FDDA. | 500 rnW eirp. No duty cycle restriction. No channel spacing. | EN 300 440 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 13.4 – 14G | FDDA. | 25 rnW eirp. No duty cycle restriction. No channel spacing. | EN 300 440 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 17.1 – 17.3G | Wireless Access Systems / Radio Local Access Network (WAS & RLAN). | 100 mW eirp. | EN 300 440 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 24.00 – 24.25G | Non-specific SRD. | 100 mW eirp. No duty cycle restriction. No channel spacing. | EN 300 440 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |
| 24.05 – 24.25G | FDDA. | 100 rnW eirp. No duty cycle restriction. No channel | EN 300 440 EN 301 489-1,3 EN 60950 | CEPT/ERC/REC 70-03 |

| | | spacing. | | |
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| 76-77G | RTTT radar | 55dBm peak No duty cycle restriction No channel spacing | EN 300 091 EN 301 489-1,3 EN 60950 | 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 to any person issued with a radio frequency spectrum licence by the Authority.
- (f) The user of the RADIO APPARATUS in the licence-exempt frequency spectrum operates on non-interference and zero protection bases from interference.