



Radiocommunications (Low Interference Potential Devices) Class Licence 2000

as amended

made under sections 132 and 135 of the

Radiocommunications Act 1992

This compilation was prepared on 27 July 2011
taking into account amendments up to *Radiocommunications (Low Interference Potential Devices) Class Licence Variation Notice 2011 (No. 1)*

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1 Name of Class Licence [see Note 1]

This Class Licence is the *Radiocommunications (Low Interference Potential Devices) Class Licence 2000*.

2 Commencement [see Note 1]

This Class Licence commences on gazettal.

3 Revocation

The following instruments are revoked:

- (a) the *Radiocommunications Class Licence (Low Interference Potential Devices) 1997*;
- (b) the *Radiocommunications Class Licence (Low Interference Potential Devices) Variation 1998 (No. 1)*.

Note

A radiocommunications device supported under this Class Licence can be expected to be operating in radiofrequency spectrum also used by other radiocommunications devices (that is, it shares the spectrum with them). Devices supported under this Class Licence are typically used for communications over short distances.

By placing appropriate limits on parameters such as device type, radiated power levels and frequencies of operation, the interference potential of a low interference potential device (*LIPD*) may be held to a sufficiently low level that enables sharing the spectrum with other radiocommunications devices on an uncoordinated basis in most circumstances.

It is recognised that interference arising from the operation of a LIPD is still possible, although under less likely circumstances. As an aid to interference resolution in those circumstances, it is a condition of the operation of a device under this Class Licence that the device not cause interference to other radiocommunications devices; as well, a device will not be afforded protection from interference caused by other radiocommunications services (see paragraph 4 (1) (b) and Note 1 after section 4 of this Class Licence).

Should interference occur, the onus is on the user of a LIPD to take measures to resolve that interference, for example, by re-tuning or ceasing to operate the LIPD. Some LIPDs are designed so that they are able to be re-tuned, to assist the user in avoiding interference locally.

Some of the frequency bands mentioned in this Class Licence cover bands designated for industrial, scientific and medical (*ISM*) applications. ISM applications generate radio frequency energy and use it locally for non-radiocommunications applications (eg. microwave ovens). Radiocommunications services operating in ISM-designated bands may experience interference from ISM applications. In accordance with the internationally-recognised arrangements for interference resolution that apply in such bands, this Class Licence notes that radiocommunications devices operating in ISM-designated bands are not afforded protection from interference that may be caused by ISM applications (see Note 2 after section 4 of this Class Licence).

LIPDs are sometimes used for radio applications with commercial or safety-of-life implications. Users of such applications are encouraged to have particular regard to the suitability of operating under this Class Licence for their radiocommunications needs.

Some applications of LIPDs require that a device meet additional physical or technical requirements outside the scope of this Class Licence. The use, marketing and supply of such devices in Australia may be dependant on the approval of the appropriate regulatory body, such as the Therapeutic Goods Administration or State Government Authorities.

Manufacturers and suppliers of radiocommunications products able to be supported under this Class Licence are encouraged to have regard to the information in this note when forming advice about the suitability of their products for the intended application of the products by customers.

3A Definitions

Act means the *Radiocommunications Act 1992*.

coverage area, for a broadcasting station, means the area surrounding the associated television transmitter within the boundary described by the following field strength limits:

- (a) UHF Band IV: 62 dBuV/metre except rural towns where the limit is 64 dBuV/metre;
- (b) UHF Band V: 67 dBuV/metre.

DAB means digital audio broadcasting.

device compliance day, for a device, means the most recent of the following days:

- (a) if the device was manufactured in Australia — the day it was manufactured; and
- (b) if the device was manufactured overseas and imported — the day it was imported; and
- (c) if the device was altered or modified in a material respect — the day it was altered or modified.

ERP means effective radiated power.

ETSI means the European Telecommunications Standards Institute.

infrared device means a radiocommunications device having a radio emission in the frequency range 187.5 THz to 420 THz.

low interference potential device means a radiocommunications device that complies with the conditions set out in this Class Licence.

maximum EIRP means the largest amount of peak equivalent isotropically radiated power that is radiated in any direction from any of the following:

- (a) an antenna that is an integral part of the transmitter;
- (b) an antenna that is connected to the transmitter;
- (c) the surface of a specified enclosure containing the antenna;
- (d) for an item in Schedule 1 that mentions an opening and an underground environment — the opening to the underground environment.

nominated distance of a specified Australian radio-astronomy site, means:

- (a) within 10 km of Parkes Observatory located near Parkes (Latitude 32° 59' 59.8657" S Longitude 148° 15' 44.3591" E); or
- (b) within 10 km of Paul Wild Observatory located near Narrabri (Latitude 30° 18' 52.048" S Longitude 149° 32' 56.327" E); or

- (c) within 3 km of the Canberra Deep Space Communications Complex (Latitude 35° 23' 54" S Longitude 148° 58' 40" E); or
- (d) within 10 km of the Radio Astronomy Park in Western Australia (Latitude 26° 37' 13.4" S Longitude 117° 30' 40" E).

Note For the definition of other expressions used in this Class Licence, see the Act and the *Radiocommunications (Interpretation) Determination 2000*.

4 Class Licence

- (1) This Class Licence authorises a person to operate a transmitter included in a class of transmitters mentioned in an item in Schedule 1, subject to the following conditions:
 - (a) the transmitter must be operated:
 - (i) on a frequency, or within a range of frequencies, mentioned in the item; and
 - (ii) at a radiated power that does not exceed the maximum EIRP mentioned in the item; and
 - (iii) within the limitations (if any) mentioned in the item;
 - (b) the transmitter's operation must not cause interference to the operation of radiocommunications services;
 - (c) without limiting paragraph (1) (b), the transmitter must not be operated on a frequency, or within a range of frequencies, between 70MHz and 25.25 GHz within 70 km distance from the Murchison Radioastronomy Observatory if the transmission will cause interference with the operation of radio astronomy observations by the observatory.

Note On the day on which the *Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2011 (No.1)* comes into force, the Murchison Radioastronomy Observatory is situated at latitude 26.704167 South, longitude 116.658889 East (GDA94).

- (2) The frequency, or range of frequencies, and the maximum EIRP mentioned in an item in Schedule 1 must be construed in accordance with the interpretative provisions (if any) mentioned in the item.

Note 1 A low interference potential device will not be afforded protection from interference caused by other radiocommunications devices. A low interference potential device operated under this Class Licence is generally not expected to suffer interference. However, an individual low interference potential device may experience, from other radiocommunications devices, interference arising from the particular circumstances of the device's operation.

Note 2 In accordance with the requirements of footnote AUS 32 and footnote 150 to the Table of Allocations in the Australian Radiofrequency Spectrum Plan, a low interference potential device will not be afforded protection from interference that may be caused by ISM applications in the ISM bands 13.553 MHz – 13.567 MHz, 26.957 MHz – 27.283 MHz, 40.66 MHz – 40.70 MHz, 918 MHz – 926 MHz, 2 400 MHz – 2 500 MHz, 5 725 MHz – 5 875 MHz and 24 000 MHz – 24 250 MHz.

Note 3 Australia/New Zealand Standard AS/NZS 2211.10:2004 details the requirements that are necessary to protect persons from radiation from laser devices, many of which are authorised by this Class Licence.

5 Standards

- (1) Each of the following radiocommunications devices must comply with the *Radiocommunications (Electromagnetic Radiation — Human Exposure) Standard 1999*:
- (a) a handset, for a cellular mobile telephone service, that has a device compliance day on or after 22 November 2000;
 - (b) a handset, for a cordless telephone service, that has a device compliance day on or after 22 November 2000;
 - (c) a land station (*cradle*) that:
 - (i) is used in a cordless telephone service; and
 - (ii) has a device compliance day on or after 22 November 2000.
- (2) In addition, if the device compliance day for a device authorised under this class licence is:
- (a) on or after the date of commencement of the *Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2001 (No. 1)*; or
 - (b) in relation to an infrared device — on or after 13 February 2002;
- the device must comply with any standard applicable to the device on its device compliance day, as in force on that day.

Note 1 ACMA confirms that if a standard mentioned in subsection (2) is amended or replaced by another standard after the device compliance day for the device, the device need not comply with the new or amended standard.

Note 2 Section 5 of the Act provides that *standard* means a standard made under section 162 of that Act.

Schedule 1 Transmitters

(section 4)

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|------|----------------------|--|--------------|--|
| 1 | All transmitters | 0.000–0.014 | 200 μ W | |
| 2 | All transmitters | 0.014–0.01995 | 50 μ W | |
| 3 | All transmitters | 0.02005–0.07 | 7.5 μ W | |
| 4 | All transmitters | 0.07–0.16 | 3 μ W | |
| 5 | All transmitters | 1. 0.16–0.285 2. 0.325–0.415 | 500 nW | |
| 6 | All transmitters | 3.025–3.155 | 7.5 nW | |
| 7 | All transmitters | 3.5–3.7 | 30 pW | |
| 8 | All transmitters | 1. 3.7–3.95 2. 4.438–4.65 | 7.5 nW | |
| 9 | All transmitters | 13.553–13.567 | 100 mW | |
| 10 | All transmitters | 24–24.89 | 10 mW | |
| 11 | All transmitters | 26.957–27.283 | 1 W | <ol style="list-style-type: none"> 1. Separation of the operating frequency from the centre frequency of any adjacent citizen band radio channel must be at least 5 kHz. 2. The emission bandwidth must not exceed 10 kHz. |
| 12 | All transmitters | 1. 29.7–29.72 2. 30–30.0625 3. 30.3125–31 4. 36.6–37 5. 39–39.7625 6. 40.25–40.66 | 100 mW | |
| 13 | All transmitters | 40.66–41 | 1 W | |
| 14 | All transmitters | 54–56 | 2.5 mW | |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|------|--|--|--------------|---|
| 15 | All transmitters | <ol style="list-style-type: none"> 1. 70–70.24375 2. 77.29375–77.49375 3. 150.7875–152.49375 4. 173.29375–174 | 100 mW | |
| 16 | All transmitters | <ol style="list-style-type: none"> 1. 225–242 2. 244–267 3. 273–303.95 4. 304.05–328.6 5. 335.4–399.9 | 10 µW | |
| 17 | All transmitters | 433.05–434.79 | 25 mW | |
| 18 | All transmitters | 915–928 | 3 mW | |
| 19 | All transmitters | 2400–2483.5 | 10 mW | |
| 19A | All transmitters | 5725–5875 | 25 mW | |
| 20 | All transmitters | <ol style="list-style-type: none"> 1. 10500–10550 2. 24000–24250 3. 61000–61500 | 100 mW | |
| 21 | Wireless audio transmitters and auditory assistance transmitters | 88–108 | 10 µW | <ol style="list-style-type: none"> 1. Emission must be frequency modulated and have a maximum bandwidth of 180 kHz. 2. Transmission in a radio channel must not originate in the licence area of a radio broadcasting station (including a repeater or translator station) operating in the same channel. |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|------|-----------------------------|---|---------------------------|---|
| 22 | Wireless audio transmitters | 174–230 | 3 mW (~1.82 mW ERP) | <ol style="list-style-type: none"> 1. Emission must be frequency modulated and have a maximum bandwidth of 330 kHz. 2. Transmission in a TV channel must not originate in the licence area of a TV broadcasting station (including a repeater or translator station) operating in the same channel. 3. When transmitting in an unused TV channel, and in the coverage area of a TV broadcasting station (including a repeater or translator station) operating in an adjacent TV channel, the channel centre frequency of the wireless audio transmitter must be at least 200 kHz above the upper edge of the adjacent TV channel, or 400 kHz below the lower edge of the adjacent TV channel. |
| 22A | Wireless audio transmitters | 520–820 | 100 mW (~60.95 mW ERP) | <ol style="list-style-type: none"> 1. Emission must be frequency modulated and have a maximum bandwidth of 330 kHz. 2. Transmission in a broadcasting services bands channel must not originate in the coverage area of a broadcasting station or a datacasting service station (including a repeater or translator station) operating in the same channel. |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|------|-----------------------------------|---|--------------|---|
| | | | | <p>3. The origin of a transmission in a broadcasting services bands channel must be such that the resulting field strength at the nearest boundary of the coverage area of a broadcasting station or a datacasting service station using the channel does not exceed 30 dBuV/m.</p> <p>4. When transmitting in an unused broadcasting services bands channel, and in the coverage area of a broadcasting station or a datacasting service station (including a repeater or translator station) operating in an adjacent channel, the channel centre frequency of the wireless audio transmitter must be at least 400 kHz above the upper edge of the adjacent channel, or 400 kHz below the lower edge of the adjacent channel.</p> |
| 23 | Biomedical telemetry transmitters | 174–230 | 10 μ W | |
| 24 | Biomedical telemetry transmitters | 520–668 | 11 mW | Transmission in a TV channel must not originate in the licence area of an analogue TV broadcasting station (including a repeater or translator station) operating in the same channel. |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|------|--|--|--------------|-------------|
| 25 | Telecommand or telemetry transmitters | 472.0125–472.1125 | 100 mW | |
| 25A | Telecommand or telemetry transmitters | 1. 0.07–0.119 2. 0.135–0.160 | 10 mW | |
| 25B | Telecommand or telemetry transmitters | 0.119–0.135 | 1.5 W | |
| 26 | Telecommand or telemetry transmitters | 1. 2400–2450 2. 5725–5795 3. 5815–5875 | 1 W | |
| 27 | Telecommand or telemetry transmitters | 5795–5815 | 2 W | |
| 28 | Auditory assistance transmitters | 3.155–3.4, with a carrier frequency of: (a) 3.175 MHz; or (b) 3.225 MHz; or (c) 3.275 MHz; or (d) 3.325 MHz. | 60 μ W | |
| 29 | Auditory assistance transmitters | 1. 41–42, with a carrier frequency of: (a) 41.55 MHz; or (b) 41.65 MHz; or (c) 41.75 MHz; or (d) 41.85 MHz; or (e) 41.95 MHz. 2. 43–44, with a carrier frequency of: (a) 43.05 MHz; or (b) 43.15 MHz; or (c) 43.25 MHz; or (d) 43.35 MHz; or (e) 43.45 MHz. | 1.3 mW | |
| 30 | Radiofrequency identification transmitters | 1. 1.77–2.17 2. 2.93–3.58 3. 7.2–10.01 | 100 pW | |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|--|--|--|--------------|---|
| 31 | Radiofrequency identification transmitters | <ol style="list-style-type: none"> 1. 13.553–13.567 2. 918–926 3. 2400–2450 4. 5725–5795 5. 5815–5875 6. 24000–24250 | 1 W | |
| 32 | Radiofrequency identification transmitters | 5795–5815 | 2 W | |
| 32A | Radiofrequency identification transmitters | 920–926 | 4 W | <ol style="list-style-type: none"> 1. A transmitter mentioned in this item must comply with ISO/IEC 18000-6c (RFID Gen. 2). 2. Emissions in the band below 917.75 MHz must be no greater than -37 dBm EIRP. 3. Emissions above 926 MHz must be no greater than -33 dBm EIRP. 4. A transmitter mentioned in this item must not be used unless more than 1 Watt EIRP is necessary to achieve satisfactory system performance. |
| <p><i>Note</i> ISO/IEC 18000-6c (RFID Gen. 2) refers to an international standard published by the International Organization for Standardization (ISO). The international standard is included in a document titled <i>Information Technology — Radio frequency identification for item management — Part 6: Parameters for air interface communications at 860 MHz to 960 MHz</i>. The document is numbered <i>ISO/IEC 18000-6:2004</i> and is available on the internet at http://www.saiglobal.com.</p> | | | | |
| 33 | Alarm transmitters (including security and personal safety transmitters) | 303.60–304.05 | 100 µW | |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|------|--|---|--------------|---|
| 34 | Home detention monitoring equipment | 314.075–314.325 | 200 μ W | In a 10 second period, a single transmission must not exceed 10 milliseconds. |
| 35 | Radiodetermination transmitters | 24000–24250 | 1 W | |
| 36 | Radiodetermination transmitters | 60000–61000 | 20 mW | |
| 37 | Transmitters used for underground communications | <ol style="list-style-type: none"> 1. 31–32 2. 33–34 3. 35–36 4. 37–38 5. 42–43 6. 44–45 7. 70.24375–74.8 8. 75.2–77.29375 9. 77.49375–84.69375 10. 149.25–149.9 11. 150.05–151.39375 12. 152.49375–156 13. 157.45–160.6 14. 160.975–161.475 15. 162.05–173.29375 16. 403–406 17. 406.1–420 18. 450–500.99375 19. 504.99375–510.99375 20. 514.99375–520 | 3.5 nW | The maximum EIRP applies at an above-ground opening associated with the underground communications. |
| 38 | Transmitters used for underground communications | <ol style="list-style-type: none"> 1. 0.5265–1.605 2. 87.5–108 3. 174–230 4. 519–820 | 10 μ W | <ol style="list-style-type: none"> 1. The maximum EIRP applies to emissions from an above-ground opening associated with the underground environment. 2. For the augmentation of an above-ground broadcasting service and datacasting service in underground tunnels. |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|------|--|---|--------------|--|
| 38A | In-store DAB repeater transmitters | 174-230 | 10 μ W | <ol style="list-style-type: none"> 1. The maximum EIRP applies to emissions measured outside the building. 2. For the augmentation of the co-channel DAB broadcasting services operating in the area. |
| 39 | Aquatic animal tracking transmitters | 48-49 | 10 mW | |
| 40 | Radiodetermination transmitters operated in radiofrequency-shielded enclosures | <ol style="list-style-type: none"> 1. 5250-7000 2. 8500-10600 3. 24050-26500 4. 75000-85000 | 75 nW | <ol style="list-style-type: none"> 1. The maximum EIRP applies outside the shielded room enclosure. 2. The transmitter must meet the requirements of European Telecommunications Standards Institute (ETSI) Standard 302 372-1 as existing from time to time. |
| 41 | Personal alarm transmitters | 27.500-27.510 | 100 μ W | |
| 42 | Transmitters used with personal alarm transmitters operating in the frequency band 27.500-27.510 MHz | 27.500-27.510 | 500 mW | Each transmission must not exceed 4 seconds over a 60 second period. |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|------|--|---|--|---|
| 43 | Alarm transmitters | 344.8–345.2 | 1 mW | <p>The average EIRP must not exceed 100 μW:</p> <p>(a) if the length of a pulse train does not exceed 0.1 second — in the length of one complete pulse train; or</p> <p>(b) if the length of a pulse train exceeds 0.1 second — in the 0.1 second period during which the EIRP is at its maximum value; or</p> <p>(c) if a transmitter operates for more than 0.1 second — in the 0.1 second period during which the EIRP is at its maximum value.</p> |
| 44 | Radio Local Area Network transmitters used indoors | 5150–5250 | 200 mW (averaged over the entire transmission burst) | <ol style="list-style-type: none"> 1. If the emission bandwidth is 1 MHz or greater, the spectral density in any 1 MHz is limited to 10 mW EIRP per MHz. 2. If the emission bandwidth is less than 1 MHz, the spectral density in any 4 kHz is limited to 40 μW EIRP per 4 kHz. |
| 44A | Radio Local Area Network transmitters used indoors | 5250–5350 | 200 mW (averaged over the entire transmission burst) | <ol style="list-style-type: none"> 1. If the emission bandwidth is 1 MHz or greater, the spectral density in any 1 MHz is limited to 10 mW EIRP per MHz. 2. If the emission bandwidth is less than 1 MHz, the spectral density in any 4 kHz is limited to 40 μW EIRP per 4 kHz. |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|------|---------------------------------------|---|---|--|
| | | | | 3. From 1 January 2006 devices operated for the first time must use Dynamic Frequency Selection (DFS) and Transmit Power Control (TPC). If TPC is not used then the maximum EIRP is limited to 100 mW. |
| 45 | Digital modulation transmitters | 915–928 | 1 W | <ol style="list-style-type: none"> The radiated peak power spectral density in any 3 kHz is limited to 25 mW per 3 kHz. The minimum 6 dB bandwidth must be at least 500 kHz. |
| 45A | Digital modulation transmitters | 2400–2483.5 | 4 W | <ol style="list-style-type: none"> The radiated peak power spectral density in any 3 kHz is limited to 25 mW per 3 kHz. The minimum 6 dB bandwidth must be at least 500 kHz. |
| 45B | Digital modulation transmitters | 5725–5850 | 4 W | <ol style="list-style-type: none"> The radiated peak power spectral density in any 3 kHz is limited to 25 mW per 3 kHz. The minimum 6 dB bandwidth must be at least 500 kHz. |
| 46 | Radio Local Area Network transmitters | <ol style="list-style-type: none"> 5470–5600 5650–5725 | 1 W (averaged over the entire transmission burst) | <ol style="list-style-type: none"> The maximum radiated mean power density must not exceed 50 mW/MHz EIRP in any 1 MHz band. Must use Dynamic Frequency Selection (DFS) and Transmit Power Control (TPC). If TPC is not implemented, then the maximum EIRP is limited to 500 mW. |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|--|---|---|--------------|--|
| 48 | Radiodetermination transmitters | 76000–77000 | 25 W | |
| 49 | Medical implant communications systems transmitters | 402–405 | 25 μ W | <ol style="list-style-type: none"> 1. The maximum EIRP applies outside the body. 2. A transmitter mentioned in this item must comply with ETSI EN 301 839-2. |
| <p><i>Note 1</i> The systems and associated medical implant communications systems transmitters mentioned in item 49 are devices that require marketing approval from the Therapeutic Goods Administration.</p> <p><i>Note 2</i> At the time this item commenced, ETSI EN 301 839-2 referred to a standard titled <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULP-AMI) and Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz; Part 2 Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive</i>. The standard is available on the internet at http://www.etsi.org.</p> | | | | |
| 49A | Medical implant communications systems transmitters | <ol style="list-style-type: none"> 1. 401–402 2. 405–406 | 25 μ W | <ol style="list-style-type: none"> 1. The maximum EIRP applies outside the body. 2. A transmitter mentioned in this item must comply with ETSI EN 302 537-2. |
| <p><i>Note 1</i> The systems and associated medical implant communications systems transmitters mentioned in item 49A are devices that require marketing approval from the Therapeutic Goods Administration.</p> <p><i>Note 2</i> At the time this item commenced, ETSI EN 302 537-2 referred to a standard titled <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Medical Data Service Systems operating in the frequency range 401 MHz to 402 MHz and 405 MHz to 406 MHz; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive</i>. The standard is available on the internet at http://www.etsi.org.</p> | | | | |
| 51 | Data communications transmitters used outdoors | 59000–63000 | 150 W | <ol style="list-style-type: none"> 1. Transmitters are limited to land and maritime deployments. 2. Maximum transmitter power must be 20 mW or less. 3. Spurious emissions outside the band must be less than -30dBm/MHz. 4. For outdoor use only. |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|------|--|---|-----------------|---|
| 51A | Data communications transmitters used indoors | 57000–66000 | 20 W | <ol style="list-style-type: none"> 1. The average power density of any emission must not exceed 9 uW/cm² at a distance of 3m. 2. The peak power density of any emission must not exceed 18 uW/cm² at a distance of 3m. 3. Spurious emissions outside the band must be less than -30dBm/MHz. |
| 52 | Frequency hopping transmitters | 915–928 | 1 W | A minimum of 20 hopping frequencies must be used. |
| 53 | Frequency hopping transmitters | 2400–2483.5 | 500 mW | A minimum of 15 hopping frequencies must be used. |
| 54 | Frequency hopping transmitters | 2400–2483.5 | 4 W | A minimum of 75 hopping frequencies must be used. |
| 55 | Frequency hopping transmitters | 5725–5850 | 4 W | A minimum of 75 hopping frequencies must be used. |
| 56 | Ultra-wideband short-range vehicle radar systems | 22000–26500 | See limitations | <ol style="list-style-type: none"> 1. The maximum radiated average power density is -41.3 dBm/MHz EIRP. 2. The maximum broadband radiated peak power density is 0 dBm/50 MHz EIRP. 3. Must meet the requirements of ETSI 302-288-1 as it applies from time to time. 4. Must not be operated within a nominated distance of a specified Australian radio-astronomy site. |

| Item | Class of transmitter | Permitted operating frequency band (MHz) (lower limit exclusive, upper limit inclusive) | Maximum EIRP | Limitations |
|-------------|--------------------------------------|--|-----------------------|--|
| 57 | Infrared transmitters | 187.5 THz–420 THz | 125 mW (output power) | |
| 58 | Video sender transmitters | 529–806 | 12 μ W | |
| 59 | In-store pricing system transmitters | 0.0366– 0.0402 | 4.8 W | Indoor use only. |
| 60 | Radiodetermination transmitters | 77000–81000 | 315 W | <ol style="list-style-type: none"> 1. Must meet the requirements of ETSI EN 302 264-1 as it applies from time to time. 2. Must not be operated within a nominated distance of a specified Australian radio-astronomy site. |

Table of Instruments**Notes to the *Radiocommunications (Low Interference Potential Devices) Class Licence 2000*****Note 1**

The *Radiocommunications (Low Interference Potential Devices) Class Licence 2000* (in force under sections 132 and 135 of the *Radiocommunications Act 1992*) as shown in this compilation is amended as indicated in the Tables below.

Table of Instruments

| Title | Date of notification in Gazette or FRLI registration | Date of commencement | Application, saving or transitional provisions |
|---|---|--|---|
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence 2000</i> | 5 July 2000 (see Gazette 2000, No. GN26) | 5 July 2003 | |
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2000 (No. 1)</i> | 22 Nov 2000 (see Gazette 2000, No. GN46) | 22 Nov 2000 | — |
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2001 (No. 1)</i> | 26 Sept 2001 (see Gazette 2001, No. GN38) | 26 Sept 2001 | — |
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2003 (No. 1)</i> | 6 Aug 2003 (see Gazette 2003, No. GN31) | 6 Aug 2003 | — |
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2005 (No. 1)</i> | 23 Aug 2005 (see F2005L02339) | 24 Aug 2005 | — |
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2006 (No. 1)</i> | 25 July 2006 (see F2006L02420) | 26 July 2006 | — |
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2007 (No. 1)</i> | 3 Jan 2008 (see F2008L00007) | 4 Jan 2008 | — |
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence Variation Notice 2008 (No. 1)</i> | 15 Jan 2009 (see F2009L00038) | 16 Jan 2009 | — |
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence Variation Notice 2009 (No. 1)</i> | 30 June 2009 (see F2009L02617) | 1 July 2009 | — |
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence Variation Notice 2010 (No. 1)</i> | 9 Sept 2010 (see F2010L02428) | 15 Sept 2010 (see s. 2 (b) and Gazette 2010, No. GN36) | — |

Table of Instruments

| Title | Date of notification in <i>Gazette</i> or FRLI registration | Date of commencement | Application, saving or transitional provisions |
|---|--|---|---|
| <i>Radiocommunications (Low Interference Potential Devices) Class Licence Variation Notice 2011 (No. 1)</i> | 22 July 2011 (see F2011L01525) | 27 July 2011 (see s. 2 (b) and <i>Gazette</i> 2011, No. GN29) | — |

Table of Amendments

Table of Amendments

ad. = added or inserted am. = amended rep. = repealed rs. = repealed and substituted

| Provision affected | How affected |
|--|---|
| Note to s. 3..... | am. 2000 No. 1; 2001 No.1 rs. 2005 No. 1 |
| S. 3A..... | ad. 2001 No.1 am. 2006 No. 1; 2007 No.1; 2008 No. 1; 2009 No. 1; 2010 No. 1 |
| Note 1 to s. 3A..... | rep. 2007 No. 1 |
| Note to s. 3A..... | ad. 2007 No. 1 |
| Notes 1 and 2 to s. 4 (2)..... | rep. 2001 No. 1 |
| Note 3 to s. 4 (2) Renumbered Note 1..... | 2001 No. 1 |
| Note 4 to s. 4 (2) Renumbered Note 2..... | 2001 No. 1 |
| Note 3 to s. 4..... | ad. 2007 No. 1 |
| S. 4..... | am. 2011 No. 1 |
| Heading to s. 5..... | rs. 2001 No. 1 |
| S. 5..... | ad. 2000 No.1 am. 2001 No. 1; 2007 No.1 |
| Schedule 1 | |
| Schedule 1..... | am. 2000 No. 1 rs. 2001 No. 1 am. 2003 No. 1; 2005 No. 1; 2006 No. 1; 2007 No. 1; 2008 No. 1; 2009 No. 1; 2010 No. 1 |
