

Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2019 (No. 1)

*Radiocommunications Act 1992*

The AUSTRALIAN COMMUNICATIONS AND MEDIA AUTHORITY makes this Variation under subsection 132(1) of the *Radiocommunications Act 1992*.

Dated  2019

Member

Member/General Manager

Australian Communications and Media Authority

1 Name of instrument

This is the *Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2019 (No. 1)*.

2 Commencement

This instrument commences at the start of the day after it is registered on the Federal Register of Legislation.

Note: The Federal Register of Legislation may be accessed at [www.legislation.gov.au](http://www.legislation.gov.au).

3 Authority

This instrument is made under subsection 132(1) of the *Radiocommunications Act 1992*.

4 Variation – *Radiocommunications (Low Interference Potential Devices) Class Licence 2015* [F2015L01438].

The instrument that is specified in Schedule 1 is varied as set out in the items in that Schedule.

Schedule 1 Variations

(section 4)

**Radiocommunications (Low Interference Potential Devices) Class Licence 2015 [F2015L01438]**

**1 Subsection 3A(1), after the definition of coverage area**

Insert:

**CSIRO** means the Commonwealth Scientific and Industrial Research Organisation.

**2 Subsection 3A(1), after the definition of nominated distance of a specified SRS earth station**

Insert:

**OFCOM** means the Office of Communications of the United Kingdom.

**3 Schedule 1 (after table item 22)**

Insert:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 22A | All transmitters | 57000–64000 | 100 mW | 1. The maximum transmitter power must not exceed 10 mW. 2. The maximum radiated power spectral density must not exceed 13 dBm per 1 MHz. 3. The transmitter must comply with ETSI Standard EN 305 550. |

**4 Schedule 1 (table item 47, column 2)**

Repeal paragraphs (g) to (t), substitute:

(g) 70–74.8

(h) 75.2–85

(i) 148–149.9

(j) 150.05–156

(k) 157.45–160.6

(l) 160.975–161.475

(m) 162.05–174

(n) 403–406

(o) 406.1–430

(p) 450–520

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Option 1 - aligning with OFCOM arrangements**  **5 Schedule 1 (after table item 64)**  Insert:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 64A | Fixed point-to-point links used outdoors | 57100–70875 | 316 W | (a)   The transmitter must comply with either:  (i)    ETSI Standard EN 302 217; or  (ii)   UK Interface Requirement IR 2078.  (b)  The transmitter must not be operated in the 58200–59000 MHz or 64000–65000 MHz bands within a nominated distance of a specified Australian radio-astronomy site without the approval of CSIRO. |   **Option 2 - aligning with FCC arrangements**  **5 Schedule 1 (after table item 65)**  Insert:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 65A | Fixed point-to-point links used outdoors | 57000–71000 | See limitations | (a)  The transmitter must comply with FCC Rules Title 47 Part 15 Section 255.  (b) The transmitter must not be operated in the 58200–59000 MHz or 64000–65000 MHz bands within a nominated distance of a specified Australian radio-astronomy site without the approval of CSIRO. | |  |

**6 Schedule 1 (table item 65, column 2)**

Omit “57000–66000”, substitute “57000-71000”.

**7 Schedule 1 (after table item 69)**

Insert:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 69A | Radiodetermination transmitters | 76000–77000 | See limitations | The transmitter must meet the requirements of ETSI Standard EN 301 091. |

**8 Schedule 1 (after table item 71)**

Insert:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 71A | Radiodetermination transmitters (see Notes 4 and 5) | 30-12400 | See limitations | (a) The transmitter must be operated in a position such that emissions are directed towards:   1. the ground; or 2. a wall of a building or similar structure.   (b)  The transmitter must comply with either:  (i) ETSI Standard EN 302 066: or  (ii) FCC Rules Title 47 Part 15.509.  (c)  The transmitter must not be operated within a nominated distance of a specified Australian radio-astronomy site without the approval of CSIRO.  (d)  The transmitter must not be operated in the 8400–8500 MHz band within a nominated distance of a specified SRS earth station without the approval of the earth station licensee. |

**9 Schedule 1 (table item 78, column 2)**

Repeal paragraphs (a) and (b), substitute:

1. 3100–4800
2. 6000–9000

**10 Schedule 1 (table item 78, column 4, paragraph (c))**

Repeal the paragraph.

**11 Schedule 1 (after table item 78)**

Insert:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 78A | Ultra-wideband transmitters onboard aircraft | 6000–8500 | See limitations | The transmitter must comply with ETSI Standard EN 302 065. |

**12 Schedule 1, after note 3**

Insert:

*Note 4* ETSI Guide EG 202 730 provides advice on the control, use and application of ground penetration radar and wall probing radar systems.

*Note 5* Ultra Wide Band (UWB) sensors used in crop harvesting where the sensor is no more than 1 metre above the crop height and 3.7 metres above the ground will meet the limitation to comply with FCC Rules Title 47 Part 15.509.

**13 Schedule 2 (after table item 1)**

Insert:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1A | 22A | EN 305 550 | *Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range devices (SRD); Radio equipment to be used in the 40 GHz to 246 GHz frequency range; Part 1: Technical characteristics and test method* | ETSI |

**14 Schedule 2 (after table item 6)**

Insert:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 6A | 64A | EN 302 217 | *Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas* | ETSI |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 6B | 64A | UK IR 2078 | *United Kingdom Interface Requirements 2078; Fixed Wireless Systems in the frequency band 57.1 – 70.875 GHz* | OFCOM |

**15 Schedule 2 (after table item 7)**

Insert:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 7A | 69A | EN 301 091 | *Electromagnetic compatibility and Radio spectrum Matters (ERM); Road Transport and Traffic Telematics (RTTT); Radar equipment operating in the 76 GHz to 77 GHz range* | ETSI |

**16 Schedule 2 (after table item 9)**

Insert:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 9A | 71A | EN 302 066 | *Short Range Devices (SRD);*  *Ground- and Wall- Probing Radar applications (GPR/WPR)*  *imaging systems;* | ETSI |
| 9B | 71A | EG 202 730 | *Electromagnetic compatibility and Radio spectrum Matters (ERM); Code of Practice in respect of the control, use and application of Ground Probing Radar (GPR) and Wall Probing Radar (WPR) systems and equipment* | ETSI |

**17 Schedule 2 (after table item 12)**

Insert:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 12A | 78A | EN 302 065-5 | *Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Part 5: Devices using UWB technology onboard aircraft* | ETSI |

**18 Schedule 2 (after table item 18)**

Insert:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 19 | 71A | | Code of Federal Regulation Title 47 §15.509 | *Part 15, Section 509 Technical requirements for ground penetrating radars and wall imaging systems* | FCC |
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