Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2020 (No. 1)

Radiocommunications Act 1992

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

Dated 17 December 2020

Fiona Cameron
[signed]
Member

Creina Chapman
[signed]
Member/General Manager

Australian Communications and Media Authority

1 Name of instrument

This is the *Radiocommunications (Low Interference Potential Devices) Class Licence Variation 2020 (No. 1)*.

2 Commencement

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

Note: The Federal Register of Legislation may be accessed, free of charge, at www.legislation.gov.au.

3 Authority

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

4 Variations

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 *community television broadcasting service*

Insert:

> ***controlled premises*** means premises that are owned by or under the control of a person who is providing a radiocommunications service under this class licence.

2 Subsection 3A(1), definition of *nominated distance of a specified Australian radio-astronomy site*

Repeal the definition, substitute:

> ***nominated distance of a specified Australian radio-astronomy site*** means the following:
> (a) in relation to the Parkes Observatory located at latitude 32° 59' 54.25" south, longitude 148° 15' 48.65" east – 10 kilometres of the Parkes Observatory;
> (b) in relation to the Paul Wild Observatory located at latitude 30° 18' 46.40" south, longitude 149° 33' 0.44" east – 10 kilometres of the Paul Wild Observatory;
> (c) in relation to the Canberra Deep Space Communications Complex located at latitude 35° 23' 48.39" south, longitude 148° 58' 44.35" east – 3 kilometres of the Canberra Deep Space Communications Complex.

3 Subsection 3A(1), after the definition of *temporary community broadcasting licence*

Insert:

> ***total radiated power*** or ***TRP*** means the integral of the power transmitted in different directions over the entire radiation sphere. It is measured considering the combination of all radiating elements on an antenna panel or individual device.

4 Schedule 1 (table item 30, column 4, paragraph (a))

Repeal the paragraph, substitute:

> The transmitter must comply with ETSI Standard EN 300 422 or ETSI Standard EN 301 840.

5 Schedule 1 (after table item 39)

Insert:

39A	Telecommand or telemetry transmitters	(a) 169.4–169.4875 (b) 169.5875–169.8125	16.4 mW	The maximum duty cycle must not exceed 0.1% averaged over one hour on any given frequency.
39B	Telecommand or telemetry transmitters	169.4875–169.5875	16.4 mW	The maximum duty cycle must not exceed 0.001% averaged over one hour on any given frequency except between the hours of 00:00 and 06:00 local time on each day when the maximum duty cycle must not exceed 0.1% averaged over one hour on any given frequency.
39C	Fixed telecommand or telemetry transmitters	928–935	25 mW	(a) The maximum radiated power spectral density must not exceed -14.5 dBm/kHz. (b) The maximum duty cycle must not exceed 0.1% averaged over one hour on any given frequency.

6 Schedule 1 (table item 45, column 4, paragraph (a))

Repeal the paragraph, substitute:

The transmitter must comply with ISO/IEC 18000-6:2013 and one of the following instruments: ISO/IEC 18000-61:2012; ISO/IEC 18000-62:2012; ISO/IEC 18000-63:2012; ISO/IEC 18000-64:2012.

7 Schedule 1 (after table item 63)

Insert:

63A	Data communications transmitters used indoors in or on controlled premises	24250–24700	See limitations	(a) The maximum base station transmitter TRP must not exceed 20 dBm/200 MHz. (b) The maximum user equipment transmitter TRP must not exceed 22 dBm per occupied bandwidth. (c) Base station transmitters must comply with the unwanted and spurious emission limits described in 3GPP TS 38.104. (d) User equipment transmitters must comply with the unwanted and spurious

				emission limits described in 3GPP TS 38.101-2. (e) The transmitter TRP must not exceed the emission limits set out in Table 1 of ITU Resolution 750 (Rev. WRC-19) measured anywhere in the range 23.6–24 GHz. (f) The aggregate power flux-density must not exceed -105.4 dBW/MHz/m^2 at the external boundary walls of the controlled premises measured at a height of 5 metres above ground level. (g) Indoor operation is limited to an area enclosed by permanent walls on all sides and having a permanent roof.
63B	Data communications transmitters used indoors or outdoors in or on controlled premises	24700–25100	See limitations	(a) The maximum base station transmitter TRP must not exceed 25 dBm/200 MHz. (b) The maximum user equipment transmitter TRP must not exceed 22 dBm per occupied bandwidth. (c) Base station transmitters must comply with the unwanted and spurious emission limits described in 3GPP TS 38.104. (d) User equipment transmitters must comply with the unwanted and spurious emission limits described in 3GPP TS 38.101-2. (e) The transmitter TRP must not exceed the emission limits set out in Table 1 of ITU Resolution 750 (Rev. WRC-19) measured anywhere in the range 23.6–24 GHz. (f) The aggregate power flux-density must not exceed -105.4 dBW/MHz/m^2 at the external boundary walls of the controlled

				premises where the use is indoors or at the edges of the controlled premises where the use is outdoors and measured at a height of 5 metres above ground level in both cases. (g) Indoor operation is limited to an area enclosed by permanent walls on all sides and having a permanent roof.

8 Schedule 1 (after table item 66)

Insert:

66A	Radiodetermination transmitters	10500–10550	2 W	The transmitter must comply with FCC Rules Title 47 Part 15 Section 245.

9 Schedule 2 (after table item 1)

Insert:

1A	30	EN 301 840	*Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Digital Radio Microphones Operating in the CEPT Harmonized Band 1 785 MHz to 1 800 MHz; Part 2: Harmonized EN under Article 3.2 of the R&TTE Directive*	ETSI

10 Schedule 2 (table item 14)

Repeal the table item, substitute:

14	45	ISO/IEC 18000-6:2013	*Information technology – Radio frequency identification for item management – Part 6: Parameters for air interface communications at 860 MHz to 960 MHz General*	International Organization for Standardisation (ISO)
14A	45	ISO/IEC 18000-61:2012	*Information technology – Radio frequency identification for item management – Part 61: Parameters for air interface communications at 860 MHz to 960 MHz Type A*	International Organization for Standardisation (ISO)
14B	45	ISO/IEC 18000-62:2012	*Information technology – Radio frequency identification for item management – Part 62: Parameters for air interface*	International Organization for Standardisation

			communications at 860 MHz to 960 MHz Type B	(ISO)
14C	45	ISO/IEC 18000-63:2012	*Information technology – Radio frequency identification for item management – Part 63: Parameters for air interface communications at 860 MHz to 960 MHz Type C*	International Organization for Standardisation (ISO)
14D	45	ISO/IEC 18000-64:2012	*Information technology – Radio frequency identification for item management – Part 64: Parameters for air interface communications at 860 MHz to 960 MHz Type D*	International Organization for Standardisation (ISO)

11 Schedule 2 (after table item 19)

Insert:

20	63A 63B	3GPP TS 38.101-2	NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone	3rd Generation Partnership Project (3GPP)
21	63A 63B	3GPP TS 38.104	NR; Base Station (BS) radio transmission and reception	3rd Generation Partnership Project (3GPP)
22	63A 63B	ITU Resolution 750 (Rev. WRC-19)	Compatibility between the Earth exploration-satellite service (passive) and relevant active services	International Telecommunication Union (ITU)
23	66A	Code of Federal Regulations Title 47 §15.245	*Part 15 Section 245: Operation within the bands 902-928 MHz, 2435-2465 MHz, 5785-5815 MHz, 10500-10550 MHz, and 24075-24175 MHz.*	FCC

12 Schedule 2 (after Note 5)

Insert:

Note 6 Copies of instruments produced by the 3rd Generation Partnership Project are available from the following website: https://www.3gpp.org.

Note 7 Copies of Resolutions of the International Telecommunication Union are available from the following website: https://www.itu.int.