

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	1136980
Licensee	Vodafone Hutchison Australia Pty Limited
Licensee address	Attn Paul Kinnane PO Box 1113, NORTH SYDNEY, NSW 2060

Licence details

Licence service	PTS
Licence subservice	PMTS Class B
Licence number	9940161/3
Date of issue	18/05/2023
Date of effect	18/05/2023
Date of expiry	12/05/2024

Licence conditions

Your licence is subject to conditions set out in the *Radiocommunications Act 1992*. Your licence may also be subject to such other licence conditions as determined by the ACMA (in licence condition determinations) from time to time, and is also subject to special conditions as detailed on this licence.

The conditions that are imposed on a licence vary according to the type of licence issued, the service being operated and the section of the *Radiocommunications Act 1992* under which the licence has been issued. For further information about the conditions that apply to your licence, please contact the ACMA (see contact details below).

Rights of appeal

A decision by the ACMA to impose further conditions or revoke or vary the conditions of your licence may be reviewable. If you are affected by, and dissatisfied with, such a decision you may apply to the ACMA to have the ACMA reconsider the decision under section 288 of the *Radiocommunications Act 1992*.

An application for reconsideration must state the reasons for the request, and should be sent to the Customer Service Centre, Australian Communications and Media Authority, PO Box 78, Belconnen, ACT, 2616. Applications for review of decisions can be made using the R051 - Application for review of Decision form, available on the ACMA website.

Important

An application for the ACMA to reconsider a decision to impose or vary licence conditions must be made to the ACMA within 28 days of the day on which you are informed of the decision. An application for reconsideration made after that time may not be accepted.

ACMA contact details

Customer Service Centre
PO Box 78
BELCONNEN ACT 2616

Telephone: 1300 850 115
Email: info@acma.gov.au

ACMA website: www.acma.gov.au

Special Conditions applying to licence no.: 9940161/3

The licensee must cooperate to the extent necessary to prevent its radiocommunications services from inhibiting the use of radiofrequency spectrum by other licensees operating under a public telecommunication service licence in the area surrounding the station location specified on this licence.

Advisory Notes applying to licence no.: 9940161/3

If interference to a station operated under this licence is caused by a radiocommunications device that is authorised to operate under a spectrum licence, ACMA will consider any dispute from the starting point that the spectrum licence has priority over this licence, irrespective of the date that the spectrum licenced device was first operated.

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 1:

Site details

Site ID	9010163
Site address	Optus Lattice Tower, 55 Old Midland Highway, MT ROWAN VIC 3352
Co-ordinates (GDA94)	Latitude: -37.516897 Longitude: 143.848061

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001874141
Transmitter power	80.00 W
EIRP	4.50 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	81305
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	39
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001874142
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	81305
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	39
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 2:

Site details	
Site ID	36762
Site address	BTV-6 Studios, Walker Street, BALLARAT EAST VIC 3350
Co-ordinates (GDA94)	Latitude: -37.544417 Longitude: 143.872534

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650147
Transmitter power	80.00 W
EIRP	3.04 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	80551
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	23
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650148
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	80551
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	23
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 3:

Site details

Site ID	130630
Site address	Vodafone Site Target Car Park, NE cnr Doveton St Sth & Dana St, BALLARAT VIC 3350
Co-ordinates (GDA94)	Latitude: -37.563497 Longitude: 143.854873

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650149
Transmitter power	80.00 W
EIRP	3.04 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	80551
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	23
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650150
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	80551
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	23
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 4:

Site details

Site ID	301300		
Site address	Telstra Training Centre, Gillies St, WENDOUREE VIC 3355		
Co-ordinates (GDA94)	Latitude: -37.533823	Longitude:	143.82159

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650151
Transmitter power	80.00 W
EIRP	3.04 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	80551
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	23
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650152
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	80551
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	23
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 5:

Site details

Site ID	9016939		
Site address	VHA Monopole, 2 Hammer Court, WENDOUREE VIC 3355		
Co-ordinates (GDA94)	Latitude: -37.528316	Longitude:	143.846494

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650153
Transmitter power	80.00 W
EIRP	3.04 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	40102
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	34
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650154
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	40102
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	34
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 6:

Site details	
Site ID	11717
Site address	Telstra Site, 12 km SE of Ballarat, MT BUNINYONG VIC 3352
Co-ordinates (GDA94)	Latitude: -37.654924 Longitude: 143.924163

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650155
Transmitter power	80.00 W
EIRP	3.57 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	40104
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	35
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650156
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	40104
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	35
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 7:

Site details

Site ID	11724
Site address	Old SEC tower Powernet site, 9 km E of Ballarat, MT WARRENHEIP VIC 3352
Co-ordinates (GDA94)	Latitude: -37.576672 Longitude: 143.958344

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650157
Transmitter power	80.00 W
EIRP	3.04 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	80551
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650158
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	80551
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 8:

Site details

Site ID	206069
Site address	Sebastopol Motor Wreckers, 6 Grant St, SEBASTOPOL VIC 3356
Co-ordinates (GDA94)	Latitude: -37.588536 Longitude: 143.828439

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650159
Transmitter power	80.00 W
EIRP	3.18 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	80553
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	29
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650160
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	80553
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	29
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 9:

Site details	
Site ID	305530
Site address	SPI Tower No 25, Cnr Shire Ave & Boak Ave, MT HELEN VIC 3350
Co-ordinates (GDA94)	Latitude: -37.62535 Longitude: 143.868489

Transmitter details	
Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650161
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	27
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650162
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details	
Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	27
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 10:

Site details

Site ID	306003
Site address	Optus site, Learmonth St, ALFREDTON VIC 3350
Co-ordinates (GDA94)	Latitude: -37.563262 Longitude: 143.808398

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650163
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	45
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650164
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	45
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 11:

Site details

Site ID	9000431
Site address	Optus Pole, Ballarat Cemetery, Doveton St, BALLARAT VIC 3352
Co-ordinates (GDA94)	Latitude: -37.530304 Longitude: 143.866358

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650165
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650166
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 12:

Site details

Site ID	9025923
Site address	Flood Light Monopole, Llanberris Reserve, York Street, BALLARAT VIC 3350
Co-ordinates (GDA94)	Latitude: -37.568965 Longitude: 143.867229

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650167
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650168
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 13:

Site details

Site ID	9001873
Site address	Telstra Site, End of Hillcrest St, BALLARAT VIC 3350
Co-ordinates (GDA94)	Latitude: -37.54735 Longitude: 143.89573

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650169
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001650170
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	30
Antenna type	Panel (1 sector)-R

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Main Station Site

Station 14:

Site details

Site ID	9012811
Site address	Optus Site Adj Water Tank, 10H Tinworth Avenue, MOUNT CLEAR VIC 3350
Co-ordinates (GDA94)	Latitude: -37.599856 Longitude: 143.861366

Transmitter details

Assigned frequency	2.11500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001288634
Transmitter power	80.00 W
EIRP	2.65 kW
Emission designator	10M0W7D

Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.92500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0001288635
Transmitter power	N/A
EIRP	N/A
Emission designator	10M0W7D

Antenna details

Antenna ID	81270
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (1 sector)-R