

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	20045090
Licensee	CHALLENGE NETWORKS RESOURCES PTY LTD
Trading name	CHALLENGE NETWORKS RESOURCES PTY LTD
Licensee address	34 Duke Street, ABBOTSFORD, VIC 3067

Licence details

Licence service	PTS
Licence subservice	PMTS Class B
Licence number	10887789/2
Date of issue	01/10/2020
Date of effect	01/10/2020
Date of expiry	16/12/2024

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.: 10887789/2

Sections 5 and 7 of the Radiocommunications Licence Conditions (PTS Licence) Determination do not apply with respect to the operation of a station under the licence, if the station:

- a) has an indoor fixed antenna and a radiated true mean power less than or equal to 24 dBm EIRP/occupied bandwidth;
- b) is within a 15 kilometre radius of the location specified for the spectrum access; and
- c) uses the receive or transmit frequencies and the emission designator specified for the spectrum access.

If sections 5 and 7 of the Radiocommunications Licence Conditions (PTS Licence) Determination do not apply to a station because of a condition specified in this licence, the station must be operated:

- a) in a manner that does not cause harmful interference to licensed radiocommunications devices; and
- b) on the basis that the licensee cannot claim protection from harmful interference from licensed radiocommunications devices.

The operation of radiocommunications transmitters under this licence must not cause harmful interference to earth receive apparatus licences issued before the date of approval of this licence.

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.: 10887789/2

Conditions applicable to the operation of PMTS Class B station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (PTS Licence) Determination. Copies of these determinations are available from the ACMA and from the ACMA home page (www.acma.gov.au).

The shared spectrum arrangements and uncoordinated nature of mobile-satellite service transmitters operated under class licences in the 1980-2010 MHz band:

- a. may result in interference from nearby class licensed radiocommunications devices and may reduce system performance; and
- b. protection from such interference cannot be afforded.

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	9012860
Site address	Pilbara Iron Site, Koodaideri Exploration Camp RBS, 118 km NW of, NEWMAN WA 6753
Co-ordinates (GDA94)	Latitude: -22.513652 Longitude: 119.022146

Transmitter details	
Assigned frequency	2.13500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002730689
Transmitter power	40.00 W
EIRP	2.52 kW
Emission designator	9M90G7W

Antenna details	
Antenna ID	80554
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	50
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.94500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002730690
Transmitter power	N/A
EIRP	N/A
Emission designator	9M90G7W

Antenna details	
Antenna ID	80554
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	50
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	10016420
Site address	RBS1, Koodaideri Mine, Koodaideri WA
Co-ordinates (GDA94)	Latitude: -22.5216 Longitude: 119.048

Transmitter details

Assigned frequency	2.13500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002730691
Transmitter power	40.00 W
EIRP	2.52 kW
Emission designator	9M90G7W

Antenna details

Antenna ID	80554
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	50
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.94500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002730692
Transmitter power	N/A
EIRP	N/A
Emission designator	9M90G7W

Antenna details

Antenna ID	80554
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	50
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	10016419
Site address	Koodaideri Village RBS 3, Koodaideri Mine, Koodaideri WA
Co-ordinates (GDA94)	Latitude: -22.536850 Longitude: 119.093013

Transmitter details

Assigned frequency	2.13500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002730693
Transmitter power	40.00 W
EIRP	2.52 kW
Emission designator	9M90G7W

Antenna details

Antenna ID	80554
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	50
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.94500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002730694
Transmitter power	N/A
EIRP	N/A
Emission designator	9M90G7W

Antenna details

Antenna ID	80554
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	50
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	9012858
Site address	Pilbara Iron Site, Yankoo RBS, 112 km NW of, NEWMAN WA 6754
Co-ordinates (GDA94)	Latitude: -22.570591 Longitude: 119.048101

Transmitter details	
Assigned frequency	2.13500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002730695
Transmitter power	40.00 W
EIRP	2.52 kW
Emission designator	9M90G7W

Antenna details	
Antenna ID	80554
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	50
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.94500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002730696
Transmitter power	N/A
EIRP	N/A
Emission designator	9M90G7W

Antenna details	
Antenna ID	80554
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	50
Antenna type	Panel (1 sector)-R