

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	11436190/1
Date of issue	21/12/2021
Date of effect	26/11/2021
Date of expiry	25/11/2026

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.: 11436190/1

Sections 5 and 7 of the Radiocommunications Licence Conditions (PTS Licence) Determination do not apply to a station that:

- a) is capable of being moved between places;
- b) operates from a fixed point within a 5 kilometre radius of the location specified for this 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 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.: 11436190/1

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).

ACMA will monitor and review the use of, and demand for, this radiofrequency spectrum. ACMA may recommend the re-allocation of these bands, including by price-based allocation, as provided for in the Radiocommunications Act. In view of this, ACMA's policy is that licensing services in this spectrum, for periods exceeding 12 months, is not appropriate at this stage.

The 1800 MHz band will be subject to re-planning in the future. This may require licensees to retune radiocommunication devices at their own cost to facilitate large contiguous channels for all licensees in an area.

The licensee is required to self manage any co-channel interference between their stations with spacing below 45 km

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	10009898
Site address	Northern Star Resources nominal LTE site, Tanami 1, Tanami Desert NT
Co-ordinates (GDA94)	Latitude: -18.916667 Longitude: 129.366667

Transmitter details	
Assigned frequency	1.86500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003384458
Transmitter power	40.00 W
EIRP	2.25 kW
Emission designator	9M90G7W

Antenna details	
Antenna ID	81181
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (1 sector)-R

Receiver details	
Assigned frequency	1.77000000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003384459
Transmitter power	N/A
EIRP	N/A
Emission designator	9M90G7W

Antenna details	
Antenna ID	81181
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
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	10009893
Site address	Northern Star Resources nominal LTE site, Tanami 6, Tanami Desert NT
Co-ordinates (GDA94)	Latitude: -20.175 Longitude: 129.666667

Transmitter details

Assigned frequency	1.86500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003384460
Transmitter power	40.00 W
EIRP	2.25 kW
Emission designator	9M90G7W

Antenna details

Antenna ID	81181
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.77000000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003384461
Transmitter power	N/A
EIRP	N/A
Emission designator	9M90G7W

Antenna details

Antenna ID	81181
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
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	10009895
Site address	Northern Star Resources nominal LTE site, Tanami 4, Tanami Desert NT
Co-ordinates (GDA94)	Latitude: -19.75 Longitude: 129.366667

Transmitter details

Assigned frequency	1.86500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003384462
Transmitter power	40.00 W
EIRP	2.25 kW
Emission designator	9M90G7W

Antenna details

Antenna ID	81181
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (1 sector)-R

Receiver details

Assigned frequency	1.77000000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0003384463
Transmitter power	N/A
EIRP	N/A
Emission designator	9M90G7W

Antenna details

Antenna ID	81181
Antenna polarisation	S - Slant
Antenna azimuth	
Antenna height (m)	40
Antenna type	Panel (1 sector)-R