Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority

Australian Government | acma

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	10986716/2
Date of issue	01/10/2020
Date of effect	01/10/2020
Date of expiry	19/07/2025

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.: 10986716/2

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, if the station:

a) operates underground;
b) has a radiated maximum power less than or equal to 10 microWatts/occupied bandwidth above ground;
c) uses the receive or transmit frequencies and the emission designator specified for the spectrum access; and
d) operates in a manner where no interference shall be caused to any radiocommunication station or service and no protection from interference by such stations or services shall be afforded.

Advisory Notes applying to licence no.: 10986716/2

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).

This frequency band is currently under review to accommodate changes in technology. This review may lead to a requirement to change frequency or to cease transmission.

This Licence allows the use of the 1800 MHz PTS band assigned frequencies for below ground use at this Mine tunnel. Above ground use of these frequencies is not permitted

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	10021155
Site address	St Ives Athena Hamlet, 30 km SE of Kambalda, KAMBALDA WA
Co-ordinates (GDA94)	Latitude: -31.396106 Longitude: 121.805005

Transmitter details	
Assigned frequency	1.85500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002865421
Transmitter power	0 mW
EIRP	0 mW
Emission designator	9M90G7W
Antenna details	
Antenna ID	80219
Antenna polarisation	M - Mixed
Antenna azimuth	
Antenna height (m)	2
Antenna type	Radiax (Leaky feeder)-Z

Receiver details	
Assigned frequency	1.76000000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002865422
Transmitter power	N/A
EIRP	N/A
Emission designator	9M90G7W
Antenna details	
Antenna ID	80219
Antenna polarisation	M - Mixed
Antenna azimuth	
Antenna height (m)	2
Antenna type	Radiax (Leaky feeder)-Z

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	10021155
Site address	St Ives Athena Hamlet, 30 km SE of Kambalda, KAMBALDA WA
Co-ordinates (GDA94)	Latitude: -31.396106 Longitude: 121.805005

Transmitter details	
Assigned frequency	1.86500000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002865423
Transmitter power	0 mW
EIRP	0 mW
Emission designator	9M90G7W
Antenna details	
Antenna ID	80219
Antenna polarisation	M - Mixed
Antenna azimuth	
Antenna height (m)	2
Antenna type	Radiax (Leaky feeder)-Z

Receiver details	
Assigned frequency	1.77000000 GHz
Bandwidth	10.000000 MHz
Freq. assign. ID	0002865424
Transmitter power	N/A
EIRP	N/A
Emission designator	9M90G7W
Antenna details	
Antenna ID	80219
Antenna polarisation	M - Mixed
Antenna azimuth	
Antenna height (m)	2
Antenna type	Radiax (Leaky feeder)-Z