

# Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



## Licensee details

Customer ID	1170509
Licensee	Bluwin Pty Ltd
Licensee address	Locked bag 2110, North Ryde, NSW 2113

## Licence details

Licence service	Fixed
Licence subservice	Point to Point (900MHz STL)
Licence number	520543/2
Callsign	VNN527
Date of issue	05/07/2022
Date of effect	05/07/2022
Date of expiry	30/06/2023

## 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](mailto:info@acma.gov.au)

ACMA website: [www.acma.gov.au](http://www.acma.gov.au)

Certain information contained in this licence record will be disclosed in the Register of Radiocommunications Licences (RRL), established and maintained pursuant to Part 3.5 of the *Radiocommunications Act 1992*.

## **Special Conditions applying to licence no.: 520543/2**

This station must employ an antenna with performance characteristics equivalent to or better than a 2 metre diameter gridpak. Typical specifications - mid band gain 22 DBI, 3 DB beamwidth 13 degrees, FB ratio 24 DB and cross polar discrimination 28 DB.

## **Advisory Notes applying to licence no.: 520543/2**

Conditions applicable to the operation of 900 MHz Studio to Transmitter link Point to Point station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Fixed Licence) Determination, 'the Fixed LCD'. Copies of these determinations are available from the ACMA and from the ACMA home page ([www.acma.gov.au](http://www.acma.gov.au)).

Conditions applicable to the operation of 900 MHz Studio to Transmitter link Point to Point station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Fixed Licence) Determination, 'the Fixed LCD'. Copies of these determinations are available from the ACMA and from the ACMA home page ([www.acma.gov.au](http://www.acma.gov.au)).

## 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.

### Link 1

Site details	Site 1	Site 2
Site ID	151054	205549
Site address	Broadcast Site, Brokers Nose, WOLLONGONG NSW 2518	Wave FM 73 King St, WARRAWONG NSW 2505
Co-ordinates (GDA94)	Lat: -34.366915 Long: 150.875621	Lat: -34.490394 Long: 150.888336
<b>Equipment details:</b>		
Assigned TX frequency		845.200000 MHz
Assigned RX frequency	845.200000 MHz	
Bandwidth	200.0000 kHz	200.0000 kHz
Freq. assign. ID	0000589937	0000589936
Transmitter power	N/A	1.00 W
EIRP	N/A	64.00 W
Emission designator	200KF8EHF	200KF8EHF
<b>Antenna details</b>		
Antenna ID	38	38
Antenna polarisation	H - Horizontal linear	H - Horizontal linear
Antenna azimuth	175.10	355.10
Antenna height (m)	20	15
Antenna type	Mini Grid Pak (Horizontal Polarisation)-W	Mini Grid Pak (Horizontal Polarisation)-W

### Advisory Notes applying to Station 0 Site 1

The licensee may be required to replace the antenna with another having a higher performance in order to facilitate efficient spectrum usage.

### Advisory Notes applying to Station 0 Site 2

The licensee may be required to replace the antenna with another having a higher performance in order to facilitate efficient spectrum usage.