

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	1614749
Licensee	The Wireless Institute of Australia
Trading name	WIA National
Licensee address	PO Box 2042, BAYSWATER, VIC 3153

Licence details

Licence service	Amateur
Licence subservice	Amateur Repeater
Licence number	458027/1
Callsign	VK5RAE
Date of issue	09/06/2023
Date of effect	09/06/2023
Date of expiry	15/07/2024

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.: 458027/1

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.: 458027/1

Conditions applicable to the operation of Amateur Repeater station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Amateur Licence) Determination. Copies of these determinations are available from the ACMA and from the ACMA home page (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.

Main Station Site

Station 1:

Site details

Site ID	24375
Site address	ETSA Utilities site, 23 km north of Quorn, MT ARDEN SA 5710
Co-ordinates (GDA94)	Latitude: -32.151913 Longitude: 137.978806

Transmitter details

Assigned frequency	147.875000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516646
Transmitter power	25.00 W
EIRP	
Emission designator	16K0F3E

Antenna details

Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Receiver details

Assigned frequency	147.275000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516647
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 1

An efficient cavity filter must be fitted between the receiver and the antenna.

An efficient cavity filter must be fitted between the transmitter and the antenna.

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	24375
Site address	ETSA Utilities site, 23 km north of Quorn, MT ARDEN SA 5710
Co-ordinates (GDA94)	Latitude: -32.151913 Longitude: 137.978806

Transmitter details

Assigned frequency	146.975000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516648
Transmitter power	25.00 W
EIRP	
Emission designator	16K0F3E

Antenna details

Antenna ID	60075
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	12
Antenna type	Colinear Vertical-U

Receiver details

Assigned frequency	146.375000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516649
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	60075
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	12
Antenna type	Colinear Vertical-U

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	24375
Site address	ETSA Utilities site, 23 km north of Quorn, MT ARDEN SA 5710
Co-ordinates (GDA94)	Latitude: -32.151913 Longitude: 137.978806

Transmitter details

Assigned frequency	440.625000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516650
Transmitter power	25.00 W
EIRP	
Emission designator	16K0F3E

Antenna details

Antenna ID	70220
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Yagi (Horizontal Polarisation)-Y

Receiver details

Assigned frequency	440.625000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516651
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	70220
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Yagi (Horizontal Polarisation)-Y

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	24375
Site address	ETSA Utilities site, 23 km north of Quorn, MT ARDEN SA 5710
Co-ordinates (GDA94)	Latitude: -32.151913 Longitude: 137.978806

Transmitter details	
Assigned frequency	145.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516652
Transmitter power	50.00 W
EIRP	
Emission designator	16K0F2D

Antenna details	
Antenna ID	13209
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	25
Antenna type	Dipole-D

Receiver details	
Assigned frequency	145.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516653
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

Antenna details	
Antenna ID	13209
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	25
Antenna type	Dipole-D