

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	159310
Licensee	THE WIRELESS INSTITUTE OF AUSTRALIA VICTORIAN DIVISION
Trading name	The Wireless Institute of Australia Victorian Division
Licensee address	9 Carrington Street, SYDENHAM, VIC 3037

Licence details

Licence service	Amateur
Licence subservice	Amateur Repeater
Licence number	213173/2
Callsign	VK3RWU
Date of issue	16/02/2024
Date of effect	16/02/2024
Date of expiry	25/03/2025

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

Advisory Notes applying to licence no.: 213173/2

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	11733
Site address	Education Department Site, 29 km W of Ararat, MT WILLIAM VIC 3381
Co-ordinates (GDA94)	Latitude: -37.294985 Longitude: 142.603725

Transmitter details

Assigned frequency	449.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0002742221
Transmitter power	20.00 W
EIRP	33.20 W
Emission designator	16K0F9W

Antenna details

Antenna ID	80442
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole-D

Receiver details

Assigned frequency	430.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0002742222
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F9W

Antenna details

Antenna ID	80442
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole-D

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	41654
Site address	Broadcast Site, MT ROUSE VIC 3289
Co-ordinates (GDA94)	Latitude: -37.882484 Longitude: 142.300573

Transmitter details

Assigned frequency	430.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0002742223
Transmitter power	5.00 W
EIRP	83.00 W
Emission designator	16K0F9W

Antenna details

Antenna ID	13421
Antenna polarisation	V - Vertical linear
Antenna azimuth	210.00
Antenna height (m)	5
Antenna type	Yagi (Horizontal Polarisation)-Y

Receiver details

Assigned frequency	449.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0002742224
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F9W

Antenna details

Antenna ID	13421
Antenna polarisation	V - Vertical linear
Antenna azimuth	210.00
Antenna height (m)	5
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 3:

Site details

Site ID	41736
Site address	DNRE/CFA Fire Lookout Tower, 33 km W of Horsham, MT ARAPILES VIC 3401
Co-ordinates (GDA94)	Latitude: -36.752317 Longitude: 141.835941

Transmitter details

Assigned frequency	430.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0002742225
Transmitter power	5.00 W
EIRP	83.00 W
Emission designator	16K0F9W

Antenna details

Antenna ID	13421
Antenna polarisation	V - Vertical linear
Antenna azimuth	135.00
Antenna height (m)	5
Antenna type	Yagi (Horizontal Polarisation)-Y

Receiver details

Assigned frequency	449.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0002742226
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F9W

Antenna details

Antenna ID	13421
Antenna polarisation	V - Vertical linear
Antenna azimuth	135.00
Antenna height (m)	5
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	11733
Site address	Education Department Site, 29 km W of Ararat, MT WILLIAM VIC 3381
Co-ordinates (GDA94)	Latitude: -37.294985 Longitude: 142.603725

Transmitter details

Assigned frequency	438.675000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516043
Transmitter power	120.00 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	433.675000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516044
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-

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 5:

Site details

Site ID	11733
Site address	Education Department Site, 29 km W of Ararat, MT WILLIAM VIC 3381
Co-ordinates (GDA94)	Latitude: -37.294985 Longitude: 142.603725

Transmitter details

Assigned frequency	145.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516045
Transmitter power	25.00 W
EIRP	83.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	30112
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Colinear Vertical-U

Receiver details

Assigned frequency	145.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516046
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

Antenna details

Antenna ID	30112
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
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 6:

Site details

Site ID	11733
Site address	Education Department Site, 29 km W of Ararat, MT WILLIAM VIC 3381
Co-ordinates (GDA94)	Latitude: -37.294985 Longitude: 142.603725

Transmitter details

Assigned frequency	439.100000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516047
Transmitter power	25.00 W
EIRP	83.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	30112
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Colinear Vertical-U

Receiver details

Assigned frequency	439.100000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516048
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

Antenna details

Antenna ID	30112
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
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 7:

Site details

Site ID	11733
Site address	Education Department Site, 29 km W of Ararat, MT WILLIAM VIC 3381
Co-ordinates (GDA94)	Latitude: -37.294985 Longitude: 142.603725

Transmitter details

Assigned frequency	53.650000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516049
Transmitter power	100.00 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	52.650000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516050
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-

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 8:

Site details

Site ID	11733
Site address	Education Department Site, 29 km W of Ararat, MT WILLIAM VIC 3381
Co-ordinates (GDA94)	Latitude: -37.294985 Longitude: 142.603725

Receiver details

Assigned frequency	441.850000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516051
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	20131
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	10
Antenna type	Yagi (Vertical 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 9:

Site details

Site ID	11733
Site address	Education Department Site, 29 km W of Ararat, MT WILLIAM VIC 3381
Co-ordinates (GDA94)	Latitude: -37.294985 Longitude: 142.603725

Transmitter details

Assigned frequency	430.850000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516052
Transmitter power	10.00 W
EIRP	
Emission designator	16K0F3E

Antenna details

Antenna ID	80375
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	20
Antenna type	Yagi (Horizontal Polarisation)-Y

Advisory Notes applying to Station 9

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.