

# 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
Licensee address	40G Victory Boulevard, ASHBURTON, VIC 3147

## Licence details

Licence service	Amateur
Licence subservice	Amateur Repeater
Licence number	213174/1
Callsign	VK3RPS
Date of issue	11/03/2021
Date of effect	11/03/2021
Date of expiry	25/03/2022

## 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)

## **Advisory Notes applying to licence no.: 213174/1**

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](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.

### Main Station Site

### Station 1:

Site details	
Site ID	11612
Site address	Western Comms Combined Site, MT COTTRELL VIC 3030
Co-ordinates (GDA94)	Latitude: -37.763158 Longitude: 144.621872

Transmitter details	
Assigned frequency	147.200000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516053
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F2D

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	147.800000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516054
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

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

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### Main Station Site

### Station 2:

Site details	
Site ID	11612
Site address	Western Comms Combined Site, MT COTTRELL VIC 3030
Co-ordinates (GDA94)	Latitude: -37.763158 Longitude: 144.621872

Transmitter details	
Assigned frequency	439.725000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516055
Transmitter power	100.00 W
EIRP	
Emission designator	16K0F3E

Antenna details	
Antenna ID	60005
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Colinear Vertical-U

Receiver details	
Assigned frequency	434.725000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516056
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details	
Antenna ID	60005
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Colinear Vertical-U

## Special Conditions applying to Station 2

When the transmitter is coupled to an antenna the level of all discrete spurious components caused by the transmitter & measured at the connection to the antenna must not exceed -30 DBM. Broadband noise floor of the transmitter measured at the same point must not exceed -47 DBM in a 16 kHz bandwidth for frequency offsets greater than 300 kHz from the transmit frequency.

## Technical characteristics

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### Main Station Site

### Station 3:

Site details	
Site ID	11612
Site address	Western Comms Combined Site, MT COTTRELL VIC 3030
Co-ordinates (GDA94)	Latitude: -37.763158                      Longitude: 144.621872

Transmitter details	
Assigned frequency	1.27365000 GHz
Bandwidth	24.0000 kHz
Freq. assign. ID	0000516057
Transmitter power	50.00 W
EIRP	83.00 W
Emission designator	16K0F3E

Antenna details	
Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	30
Antenna type	Unknown antenna type, size or specifications-

Receiver details	
Assigned frequency	1.29365000 GHz
Bandwidth	24.0000 kHz
Freq. assign. ID	0000516058
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)	30
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 4:

Site details	
Site ID	11612
Site address	Western Comms Combined Site, MT COTTRELL VIC 3030
Co-ordinates (GDA94)	Latitude: -37.763158                      Longitude: 144.621872

Transmitter details	
Assigned frequency	430.200000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516059
Transmitter power	50.00 W
EIRP	83.00 W
Emission designator	16K0F3E

Antenna details	
Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	30
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	11612
Site address	Western Comms Combined Site, MT COTTRELL VIC 3030
Co-ordinates (GDA94)	Latitude: -37.763158 Longitude: 144.621872

Transmitter details	
Assigned frequency	430.425000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516060
Transmitter power	50.00 W
EIRP	83.00 W
Emission designator	16K0F3E

Antenna details	
Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	30
Antenna type	Unknown antenna type, size or specifications-

Receiver details	
Assigned frequency	441.825000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516061
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)	30
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 6:

Site details	
Site ID	11612
Site address	Western Comms Combined Site, MT COTTRELL VIC 3030
Co-ordinates (GDA94)	Latitude: -37.763158 Longitude: 144.621872

Transmitter details	
Assigned frequency	1.27365000 GHz
Bandwidth	24.0000 kHz
Freq. assign. ID	0000516062
Transmitter power	50.00 W
EIRP	83.00 W
Emission designator	16K0F3E

Antenna details	
Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	30
Antenna type	Unknown antenna type, size or specifications-

Receiver details	
Assigned frequency	1.29365000 GHz
Bandwidth	24.0000 kHz
Freq. assign. ID	0000516063
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)	30
Antenna type	Unknown antenna type, size or specifications-



## Technical characteristics

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### Main Station Site

### Station 7:

Site details	
Site ID	11612
Site address	Western Comms Combined Site, MT COTTRELL VIC 3030
Co-ordinates (GDA94)	Latitude: -37.763158                      Longitude: 144.621872

Transmitter details	
Assigned frequency	440.975000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516064
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F1D

Antenna details	
Antenna ID	100
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Yagi (Horizontal Polarisation)-Y

## Technical characteristics

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### Main Station Site

### Station 8:

#### Site details

Site ID	11661
Site address	47 Viewpoint Avenue, GLEN WAVERLEY VIC 3150
Co-ordinates (GDA94)	Latitude: -37.889412 Longitude: 145.171749

#### Receiver details

Assigned frequency	440.975000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516065
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F1D

#### Antenna details

Antenna ID	100
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
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 9:

Site details	
Site ID	11612
Site address	Western Comms Combined Site, MT COTTRELL VIC 3030
Co-ordinates (GDA94)	Latitude: -37.763158 Longitude: 144.621872

Transmitter details	
Assigned frequency	440.825000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516066
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F1D

Antenna details	
Antenna ID	100
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Yagi (Horizontal Polarisation)-Y

Receiver details	
Assigned frequency	420.825000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516067
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F1D

Antenna details	
Antenna ID	100
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Yagi (Horizontal Polarisation)-Y

## Technical characteristics

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### Main Station Site

### Station 10:

Site details	
Site ID	36223
Site address	Telstra site, MT ST LEONARD VIC 3777
Co-ordinates (GDA94)	Latitude: -37.567537 Longitude: 145.525550

Transmitter details	
Assigned frequency	420.825000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516068
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F1D

Antenna details	
Antenna ID	100
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Yagi (Horizontal Polarisation)-Y

Receiver details	
Assigned frequency	440.825000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000516069
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F1D

Antenna details	
Antenna ID	100
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Yagi (Horizontal Polarisation)-Y