

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	1137939
Licensee	CANBERRA REGION AMATEUR RADIO CLUB INCORPORATED
Trading name	Canberra Region Amateur Radio Club Incorporated
Licensee address	Mailbox 2-06 20 Genge Street, CANBERRA, ACT 2600

Licence details

Licence service	Amateur
Licence subservice	Amateur Repeater
Licence number	96410/5
Callsign	VK1RBM
Date of issue	27/03/2024
Date of effect	27/03/2024
Date of expiry	31/03/2028

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.: 96410/5

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	9617
Site address	Watts Site, ISAACS RIDGE ACT 2607
Co-ordinates (GDA94)	Latitude: -35.365604 Longitude: 149.119038

Transmitter details

Assigned frequency	29.140000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0001647652
Transmitter power	50.00 W
EIRP	82.98 W
Emission designator	16K0F3E

Antenna details

Antenna ID	80442
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	30
Antenna type	Dipole-D

Receiver details

Assigned frequency	29.140000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0001647653
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	80442
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	30
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	9617		
Site address	Watts Site, ISAACS RIDGE ACT 2607		
Co-ordinates (GDA94)	Latitude: -35.365604	Longitude:	149.119038

Transmitter details

Assigned frequency	438.400000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0001647652
Transmitter power	50.00 W
EIRP	82.98 W
Emission designator	16K0F9W

Antenna details

Antenna ID	80442
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	30
Antenna type	Dipole-D

Receiver details

Assigned frequency	431.400000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0001647653
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)	30
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 3:

Site details

Site ID	9617		
Site address	Watts Site, ISAACS RIDGE ACT 2607		
Co-ordinates (GDA94)	Latitude: -35.365604	Longitude:	149.119038

Transmitter details

Assigned frequency	438.812500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0001647652
Transmitter power	50.00 W
EIRP	82.98 W
Emission designator	7K60FXE

Antenna details

Antenna ID	80442
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	30
Antenna type	Dipole-D

Receiver details

Assigned frequency	431.812500 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0001647653
Transmitter power	N/A
EIRP	N/A
Emission designator	7K60FXE

Antenna details

Antenna ID	80442
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	30
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 4:

Site details

Site ID	9617		
Site address	Watts Site, ISAACS RIDGE ACT 2607		
Co-ordinates (GDA94)	Latitude: -35.365604	Longitude:	149.119038

Transmitter details

Assigned frequency	439.950000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514857
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	434.950000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514858
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

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Main Station Site

Station 5:

Site details	
Site ID	9580
Site address	Telecom Tower, BLACK MOUNTAIN ACT 2601
Co-ordinates (GDA94)	Latitude: -35.275515 Longitude: 149.097771

Transmitter details	
Assigned frequency	145.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514859
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	145.175000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514860
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

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	9617
Site address	Watts Site, ISAACS RIDGE ACT 2607
Co-ordinates (GDA94)	Latitude: -35.365604 Longitude: 149.119038

Transmitter details

Assigned frequency	146.725000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514861
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F3E

Antenna details

Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	8
Antenna type	Unknown antenna type, size or specifications-

Receiver details

Assigned frequency	146.125000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000514862
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)	8
Antenna type	Unknown antenna type, size or specifications-

Special Conditions applying to Station 6

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

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

Technical characteristics

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Main Station Site

Station 7:

Site details

Site ID	9617		
Site address	Watts Site, ISAACS RIDGE ACT 2607		
Co-ordinates (GDA94)	Latitude: -35.365604	Longitude:	149.119038

Transmitter details

Assigned frequency	442.025000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0002277257
Transmitter power	10.00 W
EIRP	131.83 W
Emission designator	16K0F9W

Antenna details

Antenna ID	70027
Antenna polarisation	V - Vertical linear
Antenna azimuth	239.57
Antenna height (m)	10
Antenna type	Yagi (Vertical Polarisation)-Y

Receiver details

Assigned frequency	430.025000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0002277258
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F9W

Antenna details

Antenna ID	70027
Antenna polarisation	V - Vertical linear
Antenna azimuth	239.57
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 8:

Site details

Site ID	9617		
Site address	Watts Site, ISAACS RIDGE ACT 2607		
Co-ordinates (GDA94)	Latitude: -35.365604	Longitude:	149.119038

Transmitter details

Assigned frequency	28.254000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0002606243
Transmitter power	20.00 W
EIRP	20.00 W
Emission designator	100HA1A

Antenna details

Antenna ID	70084
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	4
Antenna type	Ground Plane-C

Receiver details

Assigned frequency	28.254000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0002606244
Transmitter power	N/A
EIRP	N/A
Emission designator	100HA1A

Antenna details

Antenna ID	70084
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	4
Antenna type	Ground Plane-C

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	9617	
Site address	Watts Site, ISAACS RIDGE ACT 2607	
Co-ordinates (GDA94)	Latitude: -35.365604	Longitude: 149.119038

Transmitter details

Assigned frequency	50.291000 MHz
Bandwidth	850.00 Hz
Freq. assign. ID	0002606245
Transmitter power	20.00 W
EIRP	20.00 W
Emission designator	850HA1A

Antenna details

Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	4
Antenna type	Unknown antenna type, size or specifications-

Receiver details

Assigned frequency	50.291000 MHz
Bandwidth	850.00 Hz
Freq. assign. ID	0002606246
Transmitter power	N/A
EIRP	N/A
Emission designator	850HA1A

Antenna details

Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	4
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 10:

Site details

Site ID	9617		
Site address	Watts Site, ISAACS RIDGE ACT 2607		
Co-ordinates (GDA94)	Latitude: -35.365604	Longitude:	149.119038

Transmitter details

Assigned frequency	144.410000 MHz
Bandwidth	850.00 Hz
Freq. assign. ID	0002606247
Transmitter power	20.00 W
EIRP	20.00 W
Emission designator	850HF1A

Antenna details

Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	4
Antenna type	Unknown antenna type, size or specifications-

Receiver details

Assigned frequency	144.410000 MHz
Bandwidth	850.00 Hz
Freq. assign. ID	0002606248
Transmitter power	N/A
EIRP	N/A
Emission designator	850HF1A

Antenna details

Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	4
Antenna type	Unknown antenna type, size or specifications-