

# Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



## Licensee details

Customer ID	15504
Licensee	Goulburn & Southern Highlands Amateur Radio Society Inc
Licensee address	PO Box 341, GOULBURN, NSW 2580

## Licence details

Licence service	Amateur
Licence subservice	Amateur Repeater
Licence number	178735/1
Callsign	VK2RHR
Date of issue	11/10/2023
Date of effect	11/10/2023
Date of expiry	24/10/2024

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

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

### **Special Conditions applying to licence no.: 178735/1**

The level of all discreet spurious components, measured at the output of the transmitter, must not exceed -30dBm.

The level of power in the adjacent channel must not exceed -16dBm.

### **Advisory Notes applying to licence no.: 178735/1**

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	41463
Site address	Amateur Site, HIGH RANGE NSW 2575
Co-ordinates (GDA94)	Latitude: -34.370997 Longitude: 150.335746

#### Transmitter details

Assigned frequency	146.825000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515501
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	146.225000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515502
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 2:

#### Site details

Site ID	41463
Site address	Amateur Site, HIGH RANGE NSW 2575
Co-ordinates (GDA94)	Latitude: -34.370997 Longitude: 150.335746

#### Transmitter details

Assigned frequency	439.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515503
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	434.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515504
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 3:

#### Site details

Site ID	41463
Site address	Amateur Site, HIGH RANGE NSW 2575
Co-ordinates (GDA94)	Latitude: -34.370997 Longitude: 150.335746

#### Transmitter details

Assigned frequency	144.925000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515505
Transmitter power	50.00 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	144.925000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515506
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 4:

#### Site details

Site ID	41463
Site address	Amateur Site, HIGH RANGE NSW 2575
Co-ordinates (GDA94)	Latitude: -34.370997 Longitude: 150.335746

#### Transmitter details

Assigned frequency	434.025000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515507
Transmitter power	50.00 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	434.025000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515508
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	41463
Site address	Amateur Site, HIGH RANGE NSW 2575
Co-ordinates (GDA94)	Latitude: -34.370997 Longitude: 150.335746

#### Transmitter details

Assigned frequency	438.025000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515509
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)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	433.025000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515510
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 6:

#### Site details

Site ID	41463
Site address	Amateur Site, HIGH RANGE NSW 2575
Co-ordinates (GDA94)	Latitude: -34.370997 Longitude: 150.335746

#### Transmitter details

Assigned frequency	442.200000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515511
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	430.100000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515512
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 7:

#### Site details

Site ID	41463
Site address	Amateur Site, HIGH RANGE NSW 2575
Co-ordinates (GDA94)	Latitude: -34.370997 Longitude: 150.335746

#### Transmitter details

Assigned frequency	439.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515513
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F3E

#### Antenna details

Antenna ID	1
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	10
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	434.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515514
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)	10
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	5573
Site address	Amateur Radio Site, Corner of Marabunga Road, SOMERSBY NSW 2250
Co-ordinates (GDA94)	Latitude: -33.360078 Longitude: 151.291215

#### Transmitter details

Assigned frequency	441.975000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515515
Transmitter power	25.00 W
EIRP	
Emission designator	16K0F3E

#### Antenna details

Antenna ID	70023
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	20
Antenna type	Yagi (Vertical Polarisation)-Y

#### Receiver details

Assigned frequency	430.275000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515516
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

#### Antenna details

Antenna ID	70023
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	20
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	41463
Site address	Amateur Site, HIGH RANGE NSW 2575
Co-ordinates (GDA94)	Latitude: -34.370997 Longitude: 150.335746

#### Transmitter details

Assigned frequency	430.275000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515517
Transmitter power	25.00 W
EIRP	
Emission designator	16K0F3E

#### Antenna details

Antenna ID	70023
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	20
Antenna type	Yagi (Vertical Polarisation)-Y

#### Receiver details

Assigned frequency	441.975000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515518
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

#### Antenna details

Antenna ID	70023
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	20
Antenna type	Yagi (Vertical Polarisation)-Y