

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	62687
Licensee	Gladstone Amateur Radio Club Incorporated
Licensee address	PO Box 8143, SOUTH GLADSTONE, QLD 4680

Licence details

Licence service	Amateur
Licence subservice	Amateur Repeater
Licence number	120808/1
Callsign	VK4RGA
Date of issue	12/02/2024
Date of effect	12/02/2024
Date of expiry	17/02/2025

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

Special Conditions applying to licence no.: 120808/1

The callsign must be encoded into the transmitter.

No interference shall be caused to any Radiocommunication station or service and no protection from interference by such stations or services shall be afforded.

Access to the repeater station must be provided on an unrestricted basis to any licensee in the service.

In the event of a malfunction or interference being caused to other services, termination of transmissions must be promptly effected. Where access to the repeater is difficult, termination of transmissions must be achievable by remote switching.

1. The station must produce a continuous service. 2. No charges may be imposed by the licensee or their agent for the use of the repeater facility. 3. No transmission shall be made in the absence of a received signal. The transmitter must not be able to lock-on due to a malfunction.

Advisory Notes applying to licence no.: 120808/1

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	16506
Site address	Amateur Site, KROOMBIT TOPS QLD 4716
Co-ordinates (GDA94)	Latitude: -24.356626 Longitude: 150.939698

Transmitter details

Assigned frequency	53.725000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515058
Transmitter power	25.00 W
EIRP	41.00 W
Emission designator	16K0F3E

Antenna details

Antenna ID	71
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Coaxial Dipole-D

Receiver details

Assigned frequency	52.725000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515059
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	71
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Coaxial Dipole-D

Special Conditions applying to Station 1

Location: Kroombit Tops Site ID: Transmit Frequency 53.725Mhz :Transmit Emission 16K0F3E : Transmit Power 25 Watts PY : Receive frequency 52.725 Mhz: Receive emission 16K0F3E:

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	16506
Site address	Amateur Site, KROOMBIT TOPS QLD 4716
Co-ordinates (GDA94)	Latitude: -24.356626 Longitude: 150.939698

Transmitter details

Assigned frequency	144.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515060
Transmitter power	25.00 W
EIRP	83.00 W
Emission designator	16K0F2D

Antenna details

Antenna ID	60013
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	18
Antenna type	Dipole-D

Receiver details

Assigned frequency	144.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515061
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F2D

Antenna details

Antenna ID	60013
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	18
Antenna type	Dipole-D

Special Conditions applying to Station 2

Location Kroombit Tops: Site ID 16506: Transmit/Receive Frequency 144.900 Mhz: Transmit/Receive Emission 16K0F2D: Transmit Power 150 W PY

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	16506
Site address	Amateur Site, KROOMBIT TOPS QLD 4716
Co-ordinates (GDA94)	Latitude: -24.356626 Longitude: 150.939698

Transmitter details

Assigned frequency	146.900000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515062
Transmitter power	120.00 W
EIRP	
Emission designator	16K0F3E

Antenna details

Antenna ID	71
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Coaxial Dipole-D

Receiver details

Assigned frequency	146.300000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515063
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	71
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Coaxial Dipole-D

Special Conditions applying to Station 3

Location: Kroombit Tops Site ID 16506: Transmit Frequency 146.9 Mhz: Receive Frequency 146.3 Mhz: Transmit Emission 16K0F3E: Transmit Power 83W EIRP: Receive Frequency 146.3 Mhz: Receive Emission 16K0F3E

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	16506
Site address	Amateur Site, KROOMBIT TOPS QLD 4716
Co-ordinates (GDA94)	Latitude: -24.356626 Longitude: 150.939698

Transmitter details

Assigned frequency	430.050000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515064
Transmitter power	10.00 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-

Special Conditions applying to Station 4

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 5:

Site details

Site ID	16506
Site address	Amateur Site, KROOMBIT TOPS QLD 4716
Co-ordinates (GDA94)	Latitude: -24.356626 Longitude: 150.939698

Receiver details

Assigned frequency	440.050000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515065
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	70217
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	20
Antenna type	Yagi (Horizontal Polarisation)-Y

Special Conditions applying to Station 5

Location Kroombit Tops: Site ID 16506: Transmit/Receive Frequency 144.900 Mhz: Transmit/Receive Emission 16K0F2D: Transmit Power 150 W PY

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	16506
Site address	Amateur Site, KROOMBIT TOPS QLD 4716
Co-ordinates (GDA94)	Latitude: -24.356626 Longitude: 150.939698

Transmitter details

Assigned frequency	430.400000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515066
Transmitter power	10.00 W
EIRP	83.00 W
Emission designator	16K0F3E

Antenna details

Antenna ID	13664
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Yagi (Mixed Polarisation)-Y

Receiver details

Assigned frequency	440.400000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515067
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	13664
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Yagi (Mixed Polarisation)-Y

Special Conditions applying to Station 6

Location Kroombit Tops: Site ID 16506: Transmit/Receive Frequency 144.900 Mhz: Transmit/Receive Emission 16K0F2D: Transmit Power 150 W PY

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	17098
Site address	Air Sea Rescue Site, LADY LARCOM QLD 4680
Co-ordinates (GDA94)	Latitude: -23.805067 Longitude: 151.126417

Transmitter details

Assigned frequency	440.400000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515068
Transmitter power	10.00 W
EIRP	83.00 W
Emission designator	16K0F3E

Antenna details

Antenna ID	13664
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	10
Antenna type	Yagi (Mixed Polarisation)-Y

Receiver details

Assigned frequency	430.400000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515069
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	13664
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	10
Antenna type	Yagi (Mixed Polarisation)-Y

Special Conditions applying to Station 7

Location Kroombit Tops: Site ID 16506: Transmit/Receive Frequency 144.900 Mhz: Transmit/Receive Emission 16K0F2D: Transmit Power 150 W PY

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	17315
Site address	Beaney's Site, BLACKDOWN TABLELAND QLD 4702
Co-ordinates (GDA94)	Latitude: -23.774068 Longitude: 149.116831

Transmitter details

Assigned frequency	440.400000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515070
Transmitter power	10.00 W
EIRP	83.00 W
Emission designator	16K0F3E

Antenna details

Antenna ID	13664
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Yagi (Mixed Polarisation)-Y

Receiver details

Assigned frequency	430.400000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515071
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	13664
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Yagi (Mixed Polarisation)-Y

Special Conditions applying to Station 8

Location Kroombit Tops: Site ID 16506: Transmit/Receive Frequency 144.900 Mhz: Transmit/Receive Emission 16K0F2D: Transmit Power 150 W PY

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	16506
Site address	Amateur Site, KROOMBIT TOPS QLD 4716
Co-ordinates (GDA94)	Latitude: -24.356626 Longitude: 150.939698

Transmitter details

Assigned frequency	147.375000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515072
Transmitter power	50.00 W
EIRP	
Emission designator	16K0F3E

Antenna details

Antenna ID	60013
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	18
Antenna type	Dipole-D

Receiver details

Assigned frequency	147.975000 MHz
Bandwidth	25.0000 kHz
Freq. assign. ID	0000515073
Transmitter power	N/A
EIRP	N/A
Emission designator	16K0F3E

Antenna details

Antenna ID	60013
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	18
Antenna type	Dipole-D

Special Conditions applying to Station 9

Location: Kroombit Tops Site ID 16506: Transmit Frequency 146.9 Mhz: Receive Frequency 146.3 Mhz: Transmit Emission 16K0F3E: Transmit Power 83W EIRP: Receive Frequency 146.3 Mhz: Receive Emission 16K0F3E