

# Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



## Licensee details

Customer ID	206335
Licensee	Department of Fire and Emergency Services of WA
Trading name	Attn Manager Radio Communications
Licensee address	PO Box P1174, PERTH, WA 6844

## Licence details

Licence service	Land Mobile
Licence subservice	Land Mobile System 0-30MHz
Licence number	285550/1
Callsign	VKW200
Date of issue	04/06/2023
Date of effect	04/06/2023
Date of expiry	14/07/2024

## 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.: 285550/1**

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

Communication under this licence is limited to stations located within Australia. Harmful interference must not be caused to the broadcasting service and the transmission must cease immediately if such interference occurs. This service must accept interference from the broadcasting service.

### **Advisory Notes applying to licence no.: 285550/1**

Conditions applicable to the operation of Land Mobile System station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Land Mobile 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	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	2.567500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571103
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	2.567500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571104
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

### Special Conditions applying to Station 1

Carrier Frequency : 2.566 MHz

## 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	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	3.747500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571105
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	3.747500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571106
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 2

Carrier Frequency : 3.746 MHz

## 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	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	4.577500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571107
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	4.577500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571108
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

### Special Conditions applying to Station 3

Carrier Frequency : 4.576 MHz

## 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	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	5.834500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571109
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	5.834500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571110
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 4

Carrier Frequency : 5.833 MHz

## 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	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	3.733500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571111
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	3.733500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571112
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
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	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	7.331500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571113
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	7.331500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571114
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
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	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	10.281500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571115
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	10.281500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571116
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	
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	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	2.570500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571117
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	2.570500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571118
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 8

Carrier Frequency : 2.569 MHz

## 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	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	2.576500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571119
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	2.576500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571120
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 9

Carrier Frequency : 2.575 MHz

## 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	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	3.736500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571121
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	3.736500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571122
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 10

Carrier Frequency : 3.735 MHz

## 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 11:

#### Site details

Site ID	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	4.568500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571127
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	4.568500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571128
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 11

Carrier Frequency : 4.567 MHz

## 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 12:

#### Site details

Site ID	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	4.571500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571129
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	4.571500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571130
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 12

Carrier Frequency : 4.570 MHz

## 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 13:

#### Site details

Site ID	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	9.331500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571131
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	9.331500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571132
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 13

Carrier Frequency : 9.330 MHz

## 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 14:

#### Site details

Site ID	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	11.436500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571133
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	11.436500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571134
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 14

Carrier Frequency : 11.435 MHz



## 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 15:

#### Site details

Site ID	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	14.746500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571135
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	14.746500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571136
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 15

Carrier Frequency : 14.745 MHz

## 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 16:

#### Site details

Site ID	45396
Site address	FESA Welcome Road, KARRATHA WA 6714
Co-ordinates (GDA94)	Latitude: -20.736232 Longitude: 116.849354

#### Transmitter details

Assigned frequency	17.428500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571137
Transmitter power	100.00 W
EIRP	
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

#### Receiver details

Assigned frequency	17.428500 MHz
Bandwidth	3.0000 kHz
Freq. assign. ID	0000571138
Transmitter power	N/A
EIRP	N/A
Emission designator	3K00J3E

#### Antenna details

Antenna ID	1
Antenna polarisation	H - Horizontal linear
Antenna azimuth	
Antenna height (m)	0
Antenna type	Unknown antenna type, size or specifications-

## Special Conditions applying to Station 16

Carrier Frequency : 17.427 MHz