# Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details	
Customer ID	20033195
Licensee	PACIFIC NATIONAL PTY LTD
Trading name	Attn: PN Radiocommunications
Licensee address	Level 16, 15 Blue St, NORTH SYDNEY, NSW 2060

Licence details	
Licence service	Land Mobile
Licence subservice	Land Mobile System - > 30MHz
Licence number	10885089/1
Date of issue	03/10/2023
Date of effect	03/10/2023
Date of expiry	22/09/2024

### 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

ACMA website: www.acma.gov.au

Certain information contained in this licence record will be disclosed in the Register of Radiocommunications Licences (RRL), established and maintained pursuant to Part 3.5 of the *Radiocommunications Act 1992*.

# Advisory Notes applying to licence no.: 10885089/1

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).

## **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**

Transmitter details

## Station 1:

Site details				
Site ID	10017793			
Site address	Logistics Terminal, Brolgan Rd, PARKES NSW			
Co-ordinates (GDA94)	Latitude: -33.132239	Longitude:	148.102458	

Assigned frequency 418.362500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0002727769 Transmitter power 25.00 W EIRP 83.00 W Emission designator 12K5FXW Antenna details Antenna ID 60005 Antenna azimuth Antenna height (m) 20 Antenna type Colinear Vertical-U  Receiver details Assigned frequency 408.912500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0002727770 Transmitter power N/A EIRP N/A Emission designator 12K5FXW Antenna ID 60005 Antenna details Antenna details Antenna details Antenna details Antenna details Antenna ID 60005 Antenna polarisation V - Vertical linear Antenna azimuth Antenna azimuth Antenna azimuth Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 20 Antenna type	Transmitter details	
Freq. assign. ID 0002727769  Transmitter power 25.00 W  EIRP 83.00 W  Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna azimuth  Antenna height (m) 20  Antenna type Colinear Vertical-U  Receiver details  Assigned frequency 408.912500 MHz  Bandwidth 12.5000 kHz  Freq. assign. ID 0002727770  Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna ID 60005  Antenna ID 60005  Antenna polarisation V - Vertical linear	Assigned frequency	418.362500 MHz
Transmitter power         25.00 W           EIRP         83.00 W           Emission designator         12K5FXW           Antenna details           Antenna ID         60005           Antenna polarisation         V - Vertical linear           Antenna azimuth         20           Antenna type         Colinear Vertical-U           Receiver details           Assigned frequency         408.912500 MHz           Bandwidth         12.5000 kHz           Freq. assign. ID         0002727770           Transmitter power         N/A           EIRP         N/A           Emission designator         12K5FXW           Antenna details           Antenna polarisation         V - Vertical linear           Antenna azimuth         Antenna azimuth           Antenna height (m)         20	Bandwidth	12.5000 kHz
EIRP 83.00 W Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20  Antenna type Colinear Vertical-U  Receiver details  Assigned frequency 408.912500 MHz  Bandwidth 12.5000 kHz  Freq. assign. ID 0002727770  Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Freq. assign. ID	0002727769
Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20  Antenna type Colinear Vertical-U  Receiver details  Assigned frequency 408.912500 MHz  Bandwidth 12.5000 kHz  Freq. assign. ID 0002727770  Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Transmitter power	25.00 W
Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20 Antenna type Colinear Vertical-U  Receiver details  Assigned frequency 408.912500 MHz  Bandwidth 12.5000 kHz  Freq. assign. ID 0002727770  Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna details  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	EIRP	83.00 W
Antenna ID 60005 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 20 Antenna type Colinear Vertical-U  Receiver details  Assigned frequency 408.912500 MHz Bandwidth 12.5000 kHz Freq. assign. ID 0002727770  Transmitter power N/A EIRP N/A Emission designator 12K5FXW  Antenna details  Antenna ID 60005 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 20	Emission designator	12K5FXW
Antenna polarisation V - Vertical linear  Antenna azimuth Antenna height (m) 20 Antenna type Colinear Vertical-U  Receiver details  Assigned frequency 408.912500 MHz Bandwidth 12.5000 kHz  Freq. assign. ID 0002727770  Transmitter power N/A EIRP N/A Emission designator 12K5FXW  Antenna details  Antenna ID 60005 Antenna polarisation V - Vertical linear  Antenna azimuth Antenna height (m) 20	Antenna details	
Antenna azimuth Antenna height (m)  Antenna type  Colinear Vertical-U  Receiver details  Assigned frequency  Bandwidth  12.5000 kHz  Freq. assign. ID  0002727770  Transmitter power  N/A  EIRP  N/A  Emission designator  Antenna details  Antenna polarisation  Antenna polarisation  Antenna azimuth  Antenna height (m)  20	Antenna ID	60005
Antenna height (m) 20 Antenna type Colinear Vertical-U  Receiver details  Assigned frequency 408.912500 MHz  Bandwidth 12.5000 kHz Freq. assign. ID 0002727770  Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Antenna polarisation	V - Vertical linear
Antenna type Colinear Vertical-U  Receiver details  Assigned frequency 408.912500 MHz  Bandwidth 12.5000 kHz  Freq. assign. ID 0002727770  Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Antenna azimuth	
Receiver details  Assigned frequency 408.912500 MHz  Bandwidth 12.5000 kHz  Freq. assign. ID 0002727770  Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Antenna height (m)	20
Assigned frequency 408.912500 MHz  Bandwidth 12.5000 kHz  Freq. assign. ID 0002727770  Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Antenna type	Colinear Vertical-U
Bandwidth 12.5000 kHz  Freq. assign. ID 0002727770  Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Receiver details	
Freq. assign. ID 0002727770  Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Assigned frequency	408.912500 MHz
Transmitter power N/A  EIRP N/A  Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Bandwidth	12.5000 kHz
EIRP N/A Emission designator 12K5FXW  Antenna details  Antenna ID 60005 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 20	Freq. assign. ID	0002727770
Emission designator 12K5FXW  Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Transmitter power	N/A
Antenna details  Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	EIRP	N/A
Antenna ID 60005  Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Emission designator	12K5FXW
Antenna polarisation V - Vertical linear  Antenna azimuth  Antenna height (m) 20	Antenna details	
Antenna azimuth Antenna height (m) 20	Antenna ID	60005
Antenna height (m) 20	Antenna polarisation	V - Vertical linear
	Antenna azimuth	
Antenna type Colinear Vertical-U	Antenna height (m)	20
- The state of the	Antenna type	Colinear Vertical-U

# **Special Conditions applying to Station 1**

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

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