Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details	
Customer ID	46975
Licensee	Department of Defence
Trading name	Director Defence Spectrum Office
Licensee address	D DSO APW-GF-173, Anzac Park West PO Box 7953, CANBERRA BC, ACT 2610

Licence details	
Licence service	Scientific
Licence subservice	Scientific Assigned
Licence number	1139145/1
Callsign	VL6DEF
Date of issue	11/09/2023
Date of effect	11/09/2023
Date of expiry	19/09/2024

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*.

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Special Conditions applying to licence no.: 1139145/1

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.: 1139145/1

Conditions applicable to the operation of Scientific Assigned station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Scientific Licence) Determination. Copies of these determinations are available from the ACMA and from the ACMA home page (www.acma.gov.au).

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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	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075
	<u> </u>

Transmitter details	
Assigned frequency	25.100000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001130967
Transmitter power	280.00 kW
EIRP	
Emission designator	100HFXN
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	25.100000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001130968
Transmitter power	N/A
EIRP	N/A
Emission designator	100HFXN
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 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.

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use., ,

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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 2:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Transmitter details	
Assigned frequency	5.150000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130969
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	5.150000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130970
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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 2

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

Carrier Frequency: 5.150 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Transmitter details	
Assigned frequency	5.375000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130971
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	5.375000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130972
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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 3

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

Carrier Frequency: 5.375 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Transmitter details	
	1
Assigned frequency	5.920000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130973
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	5.920000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130974
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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

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

Carrier Frequency: 5.920 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Transmitter details	Transmitter details	
Assigned frequency	6.210400 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130975	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	6.210400 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130976	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
Antenna details	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 5

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

Carrier Frequency: 6.2104 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details		
Assigned frequency	6.511400 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130977	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	6.511400 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130978	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
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 6

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

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

Carrier Frequency: 6.5114 MHz

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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 7:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details		
Assigned frequency	6.830500 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130979	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	6.830500 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130980	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
Antenna details	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 7

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

Carrier Frequency: 6.8305 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude:	122.843075

Transmitter details	
Assigned frequency	7.305000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130981
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	7.305000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130982
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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 8

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

Carrier Frequency: 7.305 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 9:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Assigned frequency	7.700000 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001130983		
Transmitter power	580.00 kW		
EIRP			
Emission designator	100HP0N		
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	Receiver details		
Assigned frequency	7.700000 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001130984		
Transmitter power	N/A		
EIRP	N/A		
Emission designator	100HP0N		
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 9

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

Carrier Frequency: 7.700 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 10:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Assigned frequency 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Transmitter details			
Freq. assign. ID 0001130985 Transmitter power 580.00 kW EIRP Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna ID 1 Antenna details Antenna ID 1 Antenna details Antenna polarisation V - Vertical linear Antenna polarisation V - Vertical linear	Assigned frequency	7.990000 MHz		
Transmitter power 580.00 kW EIRP Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna ID 1 Antenna DD 1 Antenna polarisation V - Vertical linear Antenna polarisation V - Vertical linear	Bandwidth	100.00 Hz		
EIRP Emission designator 100HP0N 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 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Freq. assign. ID	0001130985		
Emission designator 100HP0N 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 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Transmitter power	580.00 kW		
Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HPON Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	EIRP			
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 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Emission designator	100HP0N		
Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Antenna details			
Antenna azimuth Antenna height (m) O Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency Freq. assign. ID O001130986 Transmitter power N/A EIRP N/A Emission designator Antenna details Antenna ID Antenna polarisation Antenna azimuth V - Vertical linear Antenna azimuth	Antenna ID	1		
Antenna height (m) Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID Antenna polarisation V - Vertical linear Antenna azimuth	Antenna polarisation	V - Vertical linear		
Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Antenna azimuth			
Receiver details Assigned frequency 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Antenna height (m)	0		
Assigned frequency 7.990000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Antenna type	Unknown antenna type, size or specifications-		
Bandwidth 100.00 Hz Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Receiver details	Receiver details		
Freq. assign. ID 0001130986 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Assigned frequency	7.990000 MHz		
Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Bandwidth	100.00 Hz		
EIRPN/AEmission designator100HP0NAntenna detailsAntenna ID1Antenna polarisationV - Vertical linearAntenna azimuth	Freq. assign. ID	0001130986		
Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Transmitter power	N/A		
Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	EIRP	N/A		
Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth	Emission designator	100HP0N		
Antenna polarisation V - Vertical linear Antenna azimuth	Antenna details			
Antenna azimuth	Antenna ID	1		
	Antenna polarisation	V - Vertical linear		
	Antenna azimuth			
Antenna height (m) 0	Antenna height (m)	0		
Antenna type Unknown antenna type, size or specifications-	Antenna type	Unknown antenna type, size or specifications-		

Special Conditions applying to Station 10

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

Carrier Frequency: 7.990 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude:	122.843075

Transmitter details		
Assigned frequency	8.298400 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130987	
Transmitter power	580.00 kW	
EIRP	000.00 KW	
Emission designator	100HP0N	
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	8.298400 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130988	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
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 11

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

Carrier Frequency: 8.2984 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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	601057		
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440		
Co-ordinates (GDA94)	Latitude: -28.315315	Longitude: 1	122.843075
	•		

Transmitter details		
Assigned frequency	8.969400 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130989	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	8.969400 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130990	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
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 12

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

Carrier Frequency: 8.9694 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 13:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Assigned frequency 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130991 Transmitter power 580.00 kW EIRP Emission designator Antenna details 100HP0N Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna polarisation V - Vertical linear Antenna height (m) 0 Antenna height (m) 0 Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications-	Transmitter details		
Freq. assign. ID 0001130991 Transmitter power 580.00 kW EIRP Emission designator Antenna details 100HP0N Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) Antenna height (m) 0	Assigned frequency	9.280000 MHz	
Transmitter power 580.00 kW EIRP 100HP0N Antenna details Antenna ID Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna azimuth Antenna height (m) 0	Bandwidth	100.00 Hz	
EIRP 100HP0N Antenna details Antenna ID 1 Antenna azimuth V - Vertical linear Antenna azimuth 0 Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna azimuth Antenna height (m) 0	Freq. assign. ID	0001130991	
Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna azimuth Antenna height (m) 0	Transmitter power	580.00 kW	
Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna details Antenna polarisation V - Vertical linear Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	EIRP		
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 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Emission designator	100HP0N	
Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna azimuth Antenna height (m) 0	Antenna details		
Antenna azimuth Antenna height (m) O Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator Antenna details Antenna ID Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) O Unknown antenna type, size or specifications- 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 0001 00	Antenna ID	1	
Antenna height (m) Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator Antenna details Antenna ID Antenna polarisation Antenna azimuth Antenna azimuth Antenna height (m) 0 Unknown antenna type, size or specifications- 000103090 MHz 0001130992 N/A Emission designator N/A Antenna details Antenna azimuth Antenna polarisation O	Antenna polarisation	V - Vertical linear	
Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Antenna azimuth		
Assigned frequency 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Antenna height (m)	0	
Assigned frequency 9.280000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Antenna type	Unknown antenna type, size or specifications-	
Bandwidth 100.00 Hz Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Receiver details		
Freq. assign. ID 0001130992 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Assigned frequency	9.280000 MHz	
Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Bandwidth	100.00 Hz	
EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Freq. assign. ID	0001130992	
Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Transmitter power	N/A	
Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	EIRP	N/A	
Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Emission designator	100HP0N	
Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Antenna details		
Antenna azimuth Antenna height (m) 0	Antenna ID	1	
Antenna height (m) 0	Antenna polarisation	V - Vertical linear	
	Antenna azimuth		
Antenna type Unknown antenna type, size or specifications-	Antenna height (m)	0	
	Antenna type	Unknown antenna type, size or specifications-	

Special Conditions applying to Station 13

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

Carrier Frequency: 9.280 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details	
Assigned frequency	9.855000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130993
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	9.855000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130994
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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 14

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

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 15:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Assigned frequency	10.432500 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130995
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	10.432500 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001130996
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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 15

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

Carrier Frequency: 10.4325 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 16:

Site details			
Site ID	601057		
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440		
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075		

Transmitter details		
Assigned frequency	10.850000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130997	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	10.850000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130998	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
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 16

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

Carrier Frequency: 10.850 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 17:

Site details			
Site ID	601057		
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440		
Co-ordinates (GDA94)	Latitude: -28.315315	Longitude: 1	122.843075
	•		

Transmitter details		
Assigned frequency	11.150000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001130999	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	11.150000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131000	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
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 17

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

Carrier Frequency: 11.150 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 18:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Transmitter details			
	1		
Assigned frequency	11.272400 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131001		
Transmitter power	580.00 kW		
EIRP			
Emission designator	100HP0N		
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	11.272400 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131002		
Transmitter power	N/A		
EIRP	N/A		
Emission designator	100HP0N		
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 18

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

Carrier Frequency: 11.2724 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 19:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Assigned frequency	11.516000 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131003		
Transmitter power	580.00 kW		
EIRP			
Emission designator	100HP0N		
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	Receiver details		
Assigned frequency	11.516000 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131004		
Transmitter power	N/A		
EIRP	N/A		
Emission designator	100HP0N		
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 19

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

Carrier Frequency: 11.516 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 20:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Transmitter details		
	1	
Assigned frequency	11.697000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131005	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	11.697000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131006	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
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 20

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

Carrier Frequency: 11.697 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 21:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA	6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude:	122.843075

Transmitter details	
Assigned frequency	12.345400 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131007
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	12.345400 MHz
Bandwidth	100.00 Hz
Bandwidth Freq. assign. ID	100.00 Hz 0001131008
Freq. assign. ID	0001131008
Freq. assign. ID Transmitter power	0001131008 N/A
Freq. assign. ID Transmitter power EIRP	0001131008 N/A N/A
Freq. assign. ID Transmitter power EIRP Emission designator	0001131008 N/A N/A
Freq. assign. ID Transmitter power EIRP Emission designator Antenna details	0001131008 N/A N/A 100HP0N
Freq. assign. ID Transmitter power EIRP Emission designator Antenna details Antenna ID	0001131008 N/A N/A 100HP0N
Freq. assign. ID Transmitter power EIRP Emission designator Antenna details Antenna ID Antenna polarisation	0001131008 N/A N/A 100HP0N

Special Conditions applying to Station 21

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

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 22:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA	6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude:	122.843075

Transmitter details			
Assigned frequency	13.073800 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131009		
Transmitter power	580.00 kW		
EIRP			
Emission designator	100HP0N		
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	13.073800 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131010		
Transmitter power	N/A		
EIRP	N/A		
Emission designator	100HP0N		
Antenna details	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 22

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

Carrier Frequency: 13.0738 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 23:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Assigned frequency	13.545000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131011
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	13.545000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131012
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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 23

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

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

Carrier Frequency: 13.545 MHz

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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 24:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Transmitter details		
Assigned frequency	14.455000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131013	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	14.455000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131014	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
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 24

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

Carrier Frequency: 14.455 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 25:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

<u>Transmitter details</u>		
Assigned frequency	15.020400 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131015	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	15.020400 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131016	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
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 25

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

Carrier Frequency: 15.0204 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 26:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Transmitter details	Transmitter details	
Assigned frequency	15.835000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131017	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	15.835000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131018	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
Antenna details	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 26

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

Carrier Frequency: 15.835 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 27:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details	
	T.,,
Assigned frequency	16.553000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131019
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	16.553000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131020
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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 27

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

Carrier Frequency: 16.553 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 28:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

Transmitter details	
Assigned frequency	16.055000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131021
Transmitter power	580.00 kW
EIRP	
Emission designator	30K0P0N
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	16.055000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131022
Transmitter power	N/A
EIRP	N/A
Emission designator	30K0P0N
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 28

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

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 29:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details		
Assigned frequency	18.306000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131023	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	18.306000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131024	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
Antenna details	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 29

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

Carrier Frequency: 18.306 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 30:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details	
Assigned frequency	20.317000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131025
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	20.317000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131026
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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 30

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

Carrier Frequency: 20.317 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 31:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details	
Assigned frequency	21.250000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131027
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	21.250000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	000440400
	0001131028
Transmitter power	0001131028 N/A
-	
Transmitter power	N/A
Transmitter power EIRP	N/A N/A
Transmitter power EIRP Emission designator	N/A N/A
Transmitter power EIRP Emission designator Antenna details	N/A N/A 100HP0N
Transmitter power EIRP Emission designator Antenna details Antenna ID	N/A N/A 100HP0N 1
Transmitter power EIRP Emission designator Antenna details Antenna ID Antenna polarisation	N/A N/A 100HP0N 1

Special Conditions applying to Station 31

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

Carrier Frequency: 21.250 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 32:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details	
Assigned frequency	22.184000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131029
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	22.184000 MHz
	100.00 Hz
Bandwidth	100.00 H2
Freq. assign. ID	0001131030
Freq. assign. ID	0001131030
Freq. assign. ID Transmitter power	0001131030 N/A
Freq. assign. ID Transmitter power EIRP	0001131030 N/A N/A
Freq. assign. ID Transmitter power EIRP Emission designator	0001131030 N/A N/A
Freq. assign. ID Transmitter power EIRP Emission designator Antenna details	0001131030 N/A N/A 100HP0N
Freq. assign. ID Transmitter power EIRP Emission designator Antenna details Antenna ID	0001131030 N/A N/A 100HP0N
Freq. assign. ID Transmitter power EIRP Emission designator Antenna details Antenna ID Antenna polarisation	0001131030 N/A N/A 100HP0N

Special Conditions applying to Station 32

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

Carrier Frequency: 22.184 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 33:

Site details				
Site ID	601057			
Site address	Jindalee Project WA Transmit S	Site, LAVERTON WA	6440	
Co-ordinates (GDA94)	Latitude: -28.315315	Longitude:	122.843075	
Tuenemitten deteile				

Transmitter details			
Assigned frequency	23.080000 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131031		
Transmitter power	580.00 kW		
EIRP			
Emission designator	100HP0N		
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	23.080000 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131032		
Transmitter power	N/A		
EIRP	N/A		
Emission designator	100HP0N		
Antenna details	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 33

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

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 34:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details	<u>Fransmitter details</u>		
Assigned frequency	23.201500 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131033		
Transmitter power	580.00 kW		
EIRP			
Emission designator	100HP0N		
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	23.201500 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131034		
Transmitter power	N/A		
EIRP	N/A		
Emission designator	100HP0N		
Antenna details	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 34

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

Carrier Frequency: 23.2015 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 35:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details	
Assigned frequency	24.300000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131035
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	24.300000 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131036
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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 35

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

Carrier Frequency: 24.300 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 36:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details			
Assigned frequency	26.127600 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131037		
Transmitter power	580.00 kW		
EIRP			
Emission designator	100HP0N		
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	26.127600 MHz		
Bandwidth	100.00 Hz		
Freq. assign. ID	0001131038		
Transmitter power	N/A		
EIRP	N/A		
Emission designator	100HP0N		
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 36

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

Carrier Frequency: 26.1276 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 37:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude:	122.843075

Transmitter details		
	27.090000 MHz	
Assigned frequency		
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131039	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	27.090000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131040	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
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 37

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

Carrier Frequency: 27.090 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 38:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Assigned frequency	8.550000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131041
Transmitter power	580.00 kW
EIRP	
Emission designator	30K0P0N
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	8.550000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131042
Transmitter power	N/A
EIRP	N/A
Emission designator	30K0P0N
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 38

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

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

Carrier Frequency: 8.550 MHz

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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 39:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

I ransmitter details		
Assigned frequency	39.700000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131043	
Transmitter power	580.00 kW	
EIRP		
Emission designator	100HP0N	
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	39.700000 MHz	
Bandwidth	100.00 Hz	
Freq. assign. ID	0001131044	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	100HP0N	
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 39

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

Carrier Frequency: 39.700 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 40:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude:	122.843075

Transmitter details	
Assigned frequency	44.999950 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131045
Transmitter power	580.00 kW
EIRP	
Emission designator	100HP0N
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	44.999950 MHz
Bandwidth	100.00 Hz
Freq. assign. ID	0001131046
Transmitter power	N/A
EIRP	N/A
Emission designator	100HP0N
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 40

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

Carrier Frequency: 44.99995 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 41:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA	6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude:	122.843075

Transmitter details	
Assigned frequency	10.775000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131047
Transmitter power	580.00 kW
EIRP	
Emission designator	30K0P0N
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	10.775000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131048
Transmitter power	N/A
EIRP	N/A
Emission designator	30K0P0N
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 41

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

Carrier Frequency: 10.775 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 42:

Site details			
Site ID	601057		
Site address	Jindalee Project WA Transmit	Site, LAVERTON WA 64	40
Co-ordinates (GDA94)	Latitude: -28.315315	Longitude: 1	122.843075
	•		

Transmitter details	
Assigned frequency	14.380000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131049
Transmitter power	580.00 kW
EIRP	
Emission designator	30K0P0N
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	14.380000 MHz
Assigned frequency Bandwidth	14.380000 MHz 30.0000 kHz
· ,	
Bandwidth	30.0000 kHz
Bandwidth Freq. assign. ID	30.0000 kHz 0001131050
Bandwidth Freq. assign. ID Transmitter power	30.0000 kHz 0001131050 N/A
Bandwidth Freq. assign. ID Transmitter power EIRP	30.0000 kHz 0001131050 N/A N/A
Bandwidth Freq. assign. ID Transmitter power EIRP Emission designator	30.0000 kHz 0001131050 N/A N/A
Bandwidth Freq. assign. ID Transmitter power EIRP Emission designator Antenna details	30.0000 kHz 0001131050 N/A N/A 30K0P0N
Bandwidth Freq. assign. ID Transmitter power EIRP Emission designator Antenna details Antenna ID	30.0000 kHz 0001131050 N/A N/A 30K0P0N
Bandwidth Freq. assign. ID Transmitter power EIRP Emission designator Antenna details Antenna ID Antenna polarisation	30.0000 kHz 0001131050 N/A N/A 30K0P0N

Special Conditions applying to Station 42

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

Carrier Frequency: 14.380 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 43:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA	6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude:	122.843075

Transmitter details		
Assigned frequency	19.050000 MHz	
Bandwidth	30.0000 kHz	
Freq. assign. ID	0001131051	
Transmitter power	580.00 kW	
EIRP		
Emission designator	30K0P0N	
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	19.050000 MHz	
Bandwidth	30.0000 kHz	
Freq. assign. ID	0001131052	
Transmitter power	N/A	
EIRP	N/A	
Emission designator	30K0P0N	
Antenna details	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 43

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

Carrier Frequency: 19.050 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 44:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details	
Assigned frequency	30.600000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131053
Transmitter power	580.00 kW
EIRP	
Emission designator	30K0P0N
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	30.600000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131054
Transmitter power	N/A
Iransmitter power EIRP	N/A N/A
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
EIRP	N/A
EIRP Emission designator	N/A
EIRP Emission designator Antenna details	N/A 30K0P0N
EIRP Emission designator Antenna details Antenna ID	N/A 30K0P0N
EIRP Emission designator Antenna details Antenna ID Antenna polarisation	N/A 30K0P0N

Special Conditions applying to Station 44

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

Carrier Frequency: 30.600 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 45:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075	

Transmitter details	
Assigned frequency	33.200000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131055
Transmitter power	580.00 kW
EIRP	
Emission designator	30K0P0N
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	33.200000 MHz
Bandwidth	30.0000 kHz
Freq. assign. ID	0001131056
Transmitter power	N/A
EIRP	N/A
Emission designator	30K0P0N
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 45

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

Carrier Frequency: 0.030 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 46:

Site details	
Site ID	601057
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440
Co-ordinates (GDA94)	Latitude: -28.315315 Longitude: 122.843075

I ransmitter details	
Assigned frequency	6.410000 MHz
Bandwidth	40.0000 kHz
Freq. assign. ID	0001131057
Transmitter power	580.00 kW
EIRP	
Emission designator	40K0P0N
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	6.410000 MHz
Bandwidth	40.0000 kHz
Freq. assign. ID	0001131058
Transmitter power	N/A
EIRP	N/A
Emission designator	40K0P0N
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 46

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

Carrier Frequency: 6.410 MHz

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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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 47:

Site details		
Site ID	601057	
Site address	Jindalee Project WA Transmit Site, LAVERTON WA 6440	
Co-ordinates (GDA94)	Latitude: -28.315315	Longitude: 122.843075
Transmitter details	•	

Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131059 Transmitter power 580.00 kW EIRP Emission designator Antenna details Antenna ID Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) Antenna type Unknown antenna type, size or specifications- Receiver details S.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna azimuth Antenna height (m) 0 Antenna height (m) 0 Antenna height (m) 0 Antenna height (m) 0			
Freq. assign. ID 0001131059 Transmitter power 580.00 kW EIRP Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna polarisation V - Vertical linear Antenna polarisation V - Vertical linear Antenna azimuth Antenna azimuth Antenna height (m) 0	Assigned frequency	5.684000 MHz	
Transmitter power 580.00 kW EIRP Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna leight (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna polarisation V - Vertical linear Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Bandwidth	100.00 Hz	
EIRP Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna lD 1 Antenna polarisation V - Vertical linear Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Freq. assign. ID	0001131059	
Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna details Antenna polarisation V - Vertical linear Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Transmitter power	580.00 kW	
Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	EIRP		
Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth 0 Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Emission designator	100HP0N	
Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0 Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Antenna details		
Antenna azimuth Antenna height (m) O Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) O Unknown antenna type, size or specifications- Unknown appeciations- Unknown antenna type, size or specifications- 000 NHZ 100.00 Hz 100.00	Antenna ID	1	
Antenna height (m) Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator Antenna details Antenna polarisation Antenna polarisation V - Vertical linear Antenna height (m) 0	Antenna polarisation	V - Vertical linear	
Antenna type Unknown antenna type, size or specifications- Receiver details Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Antenna azimuth		
Receiver details Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Antenna height (m)	0	
Assigned frequency 5.684000 MHz Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Antenna type	Unknown antenna type, size or specifications-	
Bandwidth 100.00 Hz Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Receiver details		
Freq. assign. ID 0001131060 Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Assigned frequency	5.684000 MHz	
Transmitter power N/A EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Bandwidth	100.00 Hz	
EIRP N/A Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Freq. assign. ID	0001131060	
Emission designator 100HP0N Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Transmitter power	N/A	
Antenna details Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	EIRP	N/A	
Antenna ID 1 Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Emission designator	100HP0N	
Antenna polarisation V - Vertical linear Antenna azimuth Antenna height (m) 0	Antenna details		
Antenna azimuth Antenna height (m) 0	Antenna ID	1	
Antenna height (m) 0	Antenna polarisation	V - Vertical linear	
	Antenna azimuth		
Antenna type Unknown antenna type, size or specifications-	Antenna height (m)	0	
	Antenna type	Unknown antenna type, size or specifications-	

Special Conditions applying to Station 47

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

This authorises the testing and development of radiolocation equipment using the power specified. Footnote AUS 57 applies in the Australian Radiofrequency Spectrum Plan to the operating frequency nominated on the licence. Frequencies listed in the International Telecommunication Union Appendix S15 are to be avoided. Monitoring of proposed spectrum use is to occur before transmission for the purpose of avoiding spectrum already in use.

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