

Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



Licensee details

Customer ID	20049807
Licensee	Lacuna Space Ltd
Trading name	Lacuna Space Ltd
Licensee address	R104 Rutherford Appleton Laboratory, OXFORDSHIRE, OX110QX

Licence details

Licence service	Scientific
Licence subservice	Scientific Assigned
Licence number	12137297/1
Date of issue	25/07/2023
Date of effect	25/07/2023
Date of expiry	24/07/2024

Licence conditions

Your licence is subject to conditions set out in the *Radiocommunications Act 1992*. Your licence may also be subject to such other licence conditions as determined by the ACMA (in licence condition determinations) from time to time, and is also subject to special conditions as detailed on this licence.

The conditions that are imposed on a licence vary according to the type of licence issued, the service being operated and the section of the *Radiocommunications Act 1992* under which the licence has been issued. For further information about the conditions that apply to your licence, please contact the ACMA (see contact details below).

Rights of appeal

A decision by the ACMA to impose further conditions or revoke or vary the conditions of your licence may be reviewable. If you are affected by, and dissatisfied with, such a decision you may apply to the ACMA to have the ACMA reconsider the decision under section 288 of the *Radiocommunications Act 1992*.

An application for reconsideration must state the reasons for the request, and should be sent to the Customer Service Centre, Australian Communications and Media Authority, PO Box 78, Belconnen, ACT, 2616. Applications for review of decisions can be made using the R051 - Application for review of Decision form, available on the ACMA website.

Important

An application for the ACMA to reconsider a decision to impose or vary licence conditions must be made to the ACMA within 28 days of the day on which you are informed of the decision. An application for reconsideration made after that time may not be accepted.

ACMA contact details

Customer Service Centre
PO Box 78
BELCONNEN ACT 2616

Telephone: 1300 850 115
Email: info@acma.gov.au

ACMA website: www.acma.gov.au

Advisory Notes applying to licence no.: 12137297/1

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).

Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

Station 1:

Area wide details:

Area ID	1
Area name	Australia-wide

Transmitter details

Assigned frequency	921.500000 MHz
Bandwidth	13.000000 MHz
Freq. assign. ID	0004175353
Transmitter power	605 mW
EIRP	1.00 W
Emission designator	1M50F1D

Antenna details

Antenna ID	16
Antenna polarisation	M - Mixed
Antenna azimuth	
Antenna height (m)	0
Antenna type	Integral antenna, unknown specifications-X

Receiver details

Assigned frequency	921.500000 MHz
Bandwidth	13.000000 MHz
Freq. assign. ID	0004175354
Transmitter power	N/A
EIRP	N/A
Emission designator	1M50F1D

Antenna details

Antenna ID	16
Antenna polarisation	M - Mixed
Antenna azimuth	
Antenna height (m)	0
Antenna type	Integral antenna, unknown specifications-X

Advisory Notes applying to Station 1

The Master International Frequency Register (MIFR) is maintained by the International Telecommunication Union (ITU) in accordance with the Radio Regulations.

Coordination agreements reached as a result of an ITU international frequency coordination process are intended to minimise the potential for harmful interference to radiocommunications stations. A radiocommunications station operated prior to a frequency assignment being recorded in the MIFR cannot necessarily claim protection from harmful interference from radiocommunications stations of other countries.

This licence is issued for a period of 12 months with no presumption of renewal.

Special Conditions applying to Station 1

This service must not cause interference to radioastronomy services operating within the Australian Radio Quiet Zone Western Australia (ARQZWA) as defined in the Radiocommunications (Mid-West Radio Quiet Zone) Frequency Band Plan.

This service is coordinated as per the consultative process and coordination zone parameters of the Radiocommunications Assignment and Licensing Instruction ♦ Coordination of Apparatus licensed Services within the Australian Radio Quiet Zone Western Australia ♦ (RALI MS32).

Transmissions must not occur in circumstances that result in harmful interference to stations outside of Australia where these stations are operating in accordance with the Radio Regulations of the ITU except where the transmissions are in accordance with any agreements reached as a result of an ITU international frequency coordination process.

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

Prior to the frequency assignments being recorded in the Master International Frequency Register (MIFR), this earth station may operate in accordance with the operating parameters published by the ITU in Special Sections of International Frequency Information Circulars and in accordance with any agreements reached as a result of an ITU frequency coordination process.

The licensee shall advise the ACMA of changes to the point of contact provided for the purpose of tracing any suspected cases of interference.

Before operation the licensee is to advise the ACMA of the intended location of earth station transmitters and earth station receivers.

This licence authorises earth stations to communicate with space station(s) of the LS-4 satellite network as published by the International Telecommunication Union (ITU) in Special Section API/A 12486 MOD 1 of International Frequency Information Circular 2943 for the purposes of trialling new technologies and testing of earth stations and associated equipment.

Earth station transmitters must use a minimum of 20 hopping frequencies.