Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority

Licensee details

Licensee	NBN CO LIMITED
Customer ID	8129031
Licensee Address	Level 13 100 Arthur Street, NORTH SYDNEY, NSW 2060

Licence details

Licence type	Area Wide
Licence subservice	Area Wide - Standard
Licence number	11210917
Date of issue	18/04/2023
Date of effect	5/04/2023
Date of expiry	24/03/2026

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

Stations authorised by this licence

This licence authorises the operation of one or more area-wide stations, where each station:

(1) Operates within the frequency range described in table 1;

(2) Is located within the geographic area described in table 2;

(3) Operates in compliance with the technical requirements *Radiocommunications Licence Conditions (Area-Wide licence) Determination 2020* applicable to the station; and

(4) If additional technical characteristics are detailed on the conditions to this licence, operates in compliance with those technical characteristics.

Table 1: Frequency bands and geographic areas of this licence

Geographic areas	Lower limit (MHz)	Upper limit (MHz)
1	28500	29500
2	29100	29500

Table 2: Description of the geographic areas of this licence

Geographic areas	HCIS identifiers
1	BR, BS, BT, BU, CR, CS, CT, CU, CV, DQ, DR, DS, DT, DU, DV, EP, EQ, ER, ES, ET, EU, FP, FQ, FR, FS, FT, FU, GP, GQ, GR, GS, GT, GU, HO, HP, HQ, HR, HS, HT, HU, IO, IP, IQ, IR, IS, IT, IU, IV, JO, JP, JQ, JR, JS, JT, JU, JV, JW, KQ, KR, KS, KT, KU, KV, KW, LR, LS, LT, LU, LV, LW, LY, MS, MT, MU, AR8, AR9, AS2, AS3, AS5, AS6, AS8, AS9, AT1, AT2, AT3, AT5, AT6, AT8, AT9, AU2, AU3, AU6, AU9, AV9, AW3, BV2, BV3, BV5, BV6, BV7, BV8, BV9, BW1, BW2, BW3, BW5, BW6, CW1, CW2, CW3, CW4, DW1, DW2, DW3, EV1, EV2, EV3, EV4, EV5, EV6, EV7, FV1, FV2, FV3, FV4, FV5, GO3, GO4, GO5, GO6, GO7, GO8, GO9, GV1, GV2, GV3, GV6, HV1, HV2, HV3, HV4, HV5, HV6, HV8, HV9, HW3, HW6, IW1, IW2, IW4, IW5, IW7, IW8, IW9, JX1, JX2, JX3, JX5, JX6, KO1, KO4, KO5, KO7, KO8, KP1, KP2, KP4, KP5, KP6, KP7, KP8, KP9, KX1, KX2, KX4, KX5, KX8, KX9, KY2, KY3, KY6, LP4, LP7, LQ1, LQ2, LQ4, LQ5, LQ7, LQ8, LX2, LX3, LX5, LX6, LX7, LX8, LX9, LZ1, LZ2, LZ3, MR1, MR4, MR5, MR7, MR8, MR9, MV1, MV2, MV3, MV4, MV5, MV6, MV7, MV8, MW1, MW6, MW7, MW8, MW9, MX1, MX2, MX3, MX4, MX7, MY1, MY4, MY7, MZ1, NS4, NS7, NS8, NS9, NT1, NT2, NT3, NT4, NT5, NT6, NT7, NU1, NU2, NU4, NU5, NU6, NU7, NU8, NU9, NV1, NV2, NV3, NV5, BV1A, BV1B, BV1C, BV1D, BV1E, BV1F, BV1G, BV1H, BV1I, BV1J, BV1K, BV4H, BV4I, BV4J, BV4K, BV4L, BV4M, BV4N, BV4O, BV4P, IW3A, IW3B, IW3C, IW3D, IW3E, IW3F, IW3G, IW3H, IW3I, IW3J, IW3K, IW3L, IW3M, IW3P, IW6A, IW6C, IW6D, IW6E, IW6F, IW6G, IW6H, IW6I, IW6J, IW6K, IW6L, IW6M, IW6N, IW6O, IW6P, KX3A, KX3B, KX3C, KX3D, KX3E, KX3F, KX3G, KX3H, KX3I, KX3J, KX3K, KX3M, KX3N, KX3O, KX6A, KX6B, KX6C, KX6E, KX6F, KX6G, KX6H, KX6I, KX6J, KX6K, KX6L, KX6M, KX6N, KX6O, KX6P, LX1A, LX1B, LX1C, LX1D, LX1E, LX1F, LX1G, LX1H, LX1J, LX1K, LX1L, LX1O, LX1P, LX4C, LX4D, LX4E, LX4F, LX4G, LX4H, LX4I, LX4J, LX4K, LX4L, LX4M, LX4N, LX4O, LX4P, MV9A, MV9B, MV9C, MV9D, MV9E, MV9F, MV9G, MV9H, MV9I, MV9J, MV9K, MV9L, MV9M, MV9N, MV9O, MW2A, MW2B, MW2C, MW2D, MW2E, MW2F, MW2G, MW2H, MW2I, MW2J, MW2K, MW2L, MW2O, MW2P, MW3A, MW3B, MW3C, MW3E, MW3F, MW3G, MW3I, MW3J, MW3K, MW3M, MW3N, MW3O, MW3P, MW4A, MW4B, MW4C, MW4E, MW4F, MW4G, MW4I, MW4J, MW4K, MW4M, MW4N, MW4O, MW4P, MW5C, MW5D, MW5G, MW5H, MW5K, MW5L, MW5M, MW5N, MW5O, MW5P, NT8A, NT8B, NT8C, NT8D, NT8E, NT8F, NT8G, NT8I, NT8J, NT8K, NT8M, NT8N, NT8O, NT8P, NT9M, NT9P, NU3A, NU3D, NU3E, NU3F, NU3G, NU3H, NU3I, NU3J, NU3K, NU3L, NU3M, NU3N, NU3O, NU3P, NV4A, NV4B, NV4C, NV4D, NV4E, NV4F, NV4G, NV4H, NV4I, NV4J, NV4K, NV4L, NV4M, NV4N, NV7A, NV7B, NV7C, NV7D, NV7E, NW1M, NW1N, NW1O, NW1P, BV1L1, BV1L2, BV1L3, BV1L4, BV1L6, BV1L7, BV1L9, BV1P3, BV1P6, BV4D5, BV4D6, BV4D7, BV4D8, BV4D9, BV4E4, BV4E5, BV4E6, BV4E7, BV4E8, BV4E9, BV4F4, BV4F5, BV4F6, BV4F7, BV4F8, BV4F9, BV4G4, BV4G5, BV4G6, BV4G7, BV4G8, BV4G9, IW3O1, IW3O2, IW3O3, IW3O6, IW3O9, IW6B4, IW6B7, IW6B8, IW6B9, KX3L1, KX3L2, KX3L3, KX3L4, KX3L5, KX6D4, KX6D7, KX6D8, KX6D9, LX1I1, LX1I2, LX1I3, LX1I4, LX1I5, LX1I6, LX1I8, LX1I9, LX1N1, LX1N2, LX1N3,

Description of frequency bands and geographic areas of this licence (cont)

Geographic areas	HCIS identifiers
	LX1N5, LX1N6, LX1N7, LX1N8, LX1N9, LX4A6, LX4A7, LX4A8, LX4A9, LX4B2, LX4B3, LX4B4, LX4B5, LX4B6, LX4B7, LX4B8, LX4B9, MV9P1, MV9P4, MW2M1, MW2M2, MW2M3, MW2M4, MW2N1, MW2N2, MW2N3, MW2N6, MW3D4, MW3D7, MW3H1, MW3H4, MW3H7, MW3H8, MW3L1, MW3L4, MW3L5, MW3L6, MW3L7, MW3L8, MW3L9, MW4L4, MW4L7, MW4L8, MW4L9, MW5I7, MW5I8, MW5I9, MW5J3, MW5J6, MW5J7, MW5J8, MW5J9, NT8H1, NT8H2, NT8H4, NT8H5, NT8H7, NT8H8, NT8L1, NT8L4, NT8L7, NT9A1, NT9A2, NT9A3, NT9A4, NT9A5, NT9I7, NT9I8, NT9I9, NT9J7, NT9J8, NT9N1, NT9N2, NT9N3, NT9N4, NT9N7, NT9O1, NT9O2, NT9O3, NT9O5, NT9O6, NT9O8, NT9O9, NU3B1, NU3B4, NU3B5, NU3B6, NU3B7, NU3B8, NU3B9, NU3C2, NU3C3, NU3C5, NU3C6, NU3C7, NU3C8, NU3C9, NV4O1, NV4O2, NV4O3, NV4O4, NV4O5, NV4O6, NV4P1, NV4P2, NV4P3, NV4P4, NV4P5, NV4P6, NV4P8, NV4P9, NV7F1, NV7F2, NV7F3, NV7F4, NV7F5, NV7F7, NV7I1, NV7I2, NV7I3, NV7I4, NV7I5, NV7I7, NW1I4, NW1I5, NW1I6, NW1I7, NW1I8, NW1I9, NW1J4, NW1J5, NW1J6, NW1J7, NW1J8, NW1J9, NW1K4, NW1K5, NW1K6, NW1K7, NW1K8, NW1K9, NW1L4, NW1L5, NW1L6, NW1L7, NW1L8, NW1L9, BV4D4N, BV4D4O, BV4D4S, BV4D4T, BV4D4X, BV4D4Y, BV4G3Y, IW3N3E, IW3N3J, IW3N3O, KX3L6A, KX3L6B, KX3L6C, KX3L6D, KX3L6E, KX3L6F, KX3L6G, KX3L6H, KX3L6I, KX3L6J, KX3L6K, KX3L6L, KX3L6M, KX3L6N, KX3L6O, KX3L7A, KX3L7B, KX3L7C, KX3L7D, KX3L7E, KX3L8A, KX3P7A, KX3P7B, KX3P7C, KX3P7F, KX3P7G, KX3P7H, LX1M3B, LX1M3C, LX1M3D, LX1M3E, LX1M3G, LX1M3H, LX1M3I, LX1M3J, LX4B1W, LX4B1X, LX4B1Y, MW2M7A, MW2M7B, MW2M7C, MW2M7F, MW2M7G, MW2M7H, MW3D1A, MW3D1B, MW3D1F, MW3D1G, MW3D1K, MW3D1L, MW3D1P, MW3D1Q, MW3D1U, MW3D1V, MW3D5K, MW3D5P, MW3D5U, MW3L2K, MW3L2P, MW3L2U, MW5F9P, MW5F9Q, MW5F9R, MW5F9S, MW5F9T, MW5F9U, MW5F9V, MW5F9W, MW5F9X, MW5F9Y, NT8H3A, NT8H3B, NT8H3C, NT8H3D, NT8H3E, NT8H3F, NT8H3G, NT8H3U, NT8H3V, NT8H6A, NT8H6B, NT8H6F, NT8H6G, NT8H6H, NT8H6I, NT8H6J, NT8H6K, NT8H6L, NT8H6M, NT8H6N, NT8H6O, NT8H6P, NT8H6Q, NT8H6R, NT8H6S, NT8H6T, NT8H6U, NT8H6V, NT8H6W, NT8H6X, NT8H6Y, NT8H9A, NT8H9B, NT8H9C, NT8H9D, NT8H9E, NT8H9F, NT8H9G, NT8H9H, NT8H9I, NT8H9J, NT8H9K, NT8H9L, NT8H9M, NT8H9N, NT8H9O, NT8H9P, NT8H9Q, NT8H9R, NT8H9S, NT8H9U, NT8H9V, NT8H9W, NT8H9X, NT8L9V, NT8L9W, NT8L9X, NT8L9Y, NT9A7K, NT9A7L, NT9A7P, NT9A7Q, NT9A7U, NT9A7V, NT9E1A, NT9E1B, NT9I4T, NT9I4Y, NT9I5P, NT9I5Q, NT9I5R, NT9I5S, NT9I5T, NT9I5U, NT9I5V, NT9I5W, NT9I5X, NT9I5Y, NT9I6P, NT9I6Q, NT9I6R, NT9I6S, NT9I6T, NT9I6U, NT9I6V, NT9I6W, NT9I6X, NT9I6Y, NT9J4P, NT9J4U, NT9N5A, NT9N5F, NT9N5K, NU3C4U, NU3C4V, NV7F6A, NV7F6B, NV7F6F, NV7F6G, NV7F8A, NV7F8B, NV7F8F, NV7F8G
2	NT8H3W, NT8H3X, NT8H3Y, NT8H6C, NT8H6D, NT8H6E

Special conditions of operation

Advisory Notes

Further conditions

Further conditions applicable to the operation of AWL stations authorised under this licence can be found in the *Radiocommunications Licence Conditions (Apparatus Licence) Determination 2015* and the *Radiocommunications Licence Conditions (Area-Wide licence) Determination 2020*. Copies of these determinations are available from the ACMA and from the ACMA home page (www.acma.gov.au).

Renewal

In deciding whether to renew this licence:

(1) the ACMA will have regard to whether the spectrum has been used during the term of the licence and if there is unmet demand in the 26 GHz or 28 GHz bands; and
(2) the ACMA may request information from the licensee on the use of the licence during the licence term, and any future deployment plans.

Note: Typically, this consideration of use will be undertaken in the fifth year of holding a licence, whether the licence is a five-year licence or a licence renewed on a shorter-time frame (e.g. annually).

Coexistence with existing earth stations

A radiocommunications receiver, that is:

a) receiving radio emissions from a radiocommunications transmitter that is operated under this licence; and
b) located within an area authorised by this licence;

is not afforded protection from interference caused by an earth station operated under an apparatus licence if the details of the earth station were included in the Register of Radiocommunications Licences (RRL) before details of the receiver were included in the RRL.

Coexistence with existing apparatus licensed services

A radiocommunications receiver, that is:

a) receiving radio emissions from a radiocommunications transmitter that is operated under this licence; and
b) located within an area authorised by this licence;

is not afforded protection from interference caused by a radiocommunications transmitter operated under an apparatus licence which was first issued before the commencement of this licence. This provision does not apply if the transmitter is operated under an area-wide licence.

In planning deployments under this licence, the licensee should take account of existing apparatus licensed services and plan their services accordingly.

Coexistence between earth stations and receivers operating in sole-primary frequencies and areas

A radiocommunications receiver, that is:

a) receiving radio emissions from a radiocommunications transmitter that is operated under this licence; and
b) operating in the range 27.5-28.1 GHz and located outside the areas subject to the *Radiocommunications (Spectrum Re-allocation - 26 GHz band) Declaration 2019*, or in the range 28.1 - 29.5 GHz.

is not afforded protection from interference caused by an earth station operated under an apparatus licence or under the *Radiocommunications Communication with Space Object) Class Licence 2015*, as in force from time to time.

Notional level of receiver performance

The notional receiver performance level and compatibility requirement detailed in schedules 1 and 2 of the *Radiocommunications Advisory Guidelines (Managing Interference to Spectrum Licensed Receivers - 26 GHz Band) 2020*, as in force from time to time, applies for radiocommunications receivers that:

a) are recorded in the RRL;
b) receive radio emissions from radiocommunications transmitters that are operated under this licence; and are located within an area authorised by this licence;
c) are located within an area authorised by this licence.

Compliance with these provisions is not mandatory however the ACMA will take these provisions into account in determining whether interference has occurred.

Coexistence with transmitters operating under another AWL authorising operation in the same frequency and area

Radiocommunications receivers, that are:

a) receiving radio emissions from radiocommunications transmitters that are operated under this licence; and
b) located within an area authorised by this licence;

will not be afforded protection from an existing or future transmitter which is operating in the same frequency range and geographic area as authorised by this licence, if that transmitter is operating under another area-wide licence which was first issued before this licence and authorises operation in the same frequency range and geographic area as this licence.

Coexistence with devices operated under the LIPD class licence

The *Radiocommunications (Low Interference Potential Devices) Class Licence 2015* (the LIPD class licence) authorises the operation of data communications transmitters on controlled premises in the frequency range 24.25 - 25.1 GHz. Radiocommunications receivers, that are located in a controlled premises and are receiving radio emissions in the range 24.7 - 25.1 GHz from radiocommunications transmitters that are operated under this licence, will not be afforded protection from a data communications transmitter operating under the LIPD class licence which is operating on the same frequency and located on the same controlled premises as the receiver.

Coexistence with class licensed body scanners

Radiocommunications receivers, that are:

a) receiving radio emissions from radiocommunications transmitters that are operated under this licence; and
b) located within an area authorised by this licence;

will not be afforded protection from interference caused by a radiocommunications device operated under the *Radiocommunications (Body Scanning - Aviation Security) Class Licence 2018*.