

Radiocommunications Regulations (General User Radio Licence for Fixed Radio Link Devices) Notice 2015

Pursuant to section 111 of the Radiocommunications Act 1989 and Regulation 9 of the Radiocommunications Regulations 2001, and acting under delegated authority from the Chief Executive, I give the following notice.

Notice

1. Short title and commencement—(1) This notice is the Radiocommunications Regulations (General User Radio Licence for Fixed Radio Link Devices) Notice 2015.

(2) This notice comes into force on **21 April 2015**.

2. Licence—

(1) Licence Name: General User Radio Licence for Fixed Radio Link Devices (GURL-FRLD).

(2) Licence: Any person may transmit radio waves using Fixed Radio Link Devices, including those known as U-NII devices, using digital modulation techniques to typically provide high data rate fixed point-to-point communications for individuals, businesses and institutions, in accordance with the applicable terms, conditions and restrictions of this notice.

(3) Licence number: 248466

(4) Commencement date: **21 April 2015**.

3. Spectrum—

Low (MHz)	High (MHz)	Reference Frequency (MHz)	Maximum Power dBW e.i.r.p.	Remarks
5725.000	5850.000	5787.500	23	Special condition 1
57000.00	64000.00	60500.00	55	Special conditions 2 and 3

4. Location—

(1) Transmit Location: All New Zealand.

(2) Receive Location: All New Zealand.

5. Special conditions—

1. Transmitter peak power must not exceed 0 dBW (1 W) and the power spectral density must not exceed 17 dBm/MHz. The maximum power of any emission must not exceed 23 dBW e.i.r.p. after taking into account the antenna gain and the emission bandwidth.
2. Transmitter peak power must not exceed -3 dBW (500 mW) and the power spectral density must not exceed -10 dBm/MHz. For emission bandwidths less than 100 MHz, the transmitter peak power of -3 dBW (500 mW) must be prorated by (bandwidth (MHz) / 100 (MHz)).
3. The maximum power of any emission must not exceed 55 dBW e.i.r.p., or minus 2 dB for every dB that the antenna gain is less than 51 dBi. The average power of any emission shall not exceed 52 dBW e.i.r.p., or minus 2 dB for every dB that the antenna gain is less than 51 dBi.

6. General conditions applying to all transmissions under this licence—

1. Except as otherwise provided in this notice, the range of frequencies and other emission characteristics are those prescribed in the spectrum on this licence.
2. Notwithstanding the provisions of the spectrum on this licence, the radiated power must not exceed that necessary to reliably maintain communications.
3. Point-to-multipoint systems, omni-directional applications and multiple co-located transmitters transmitting the same information are not permitted.
4. Transmitters must conform to technical standards as prescribed in notices made under Regulation 32(1)(b) of the Regulations.
5. Frequency use is on a shared basis and the chief executive does not accept liability under any circumstances for any loss or damage of any kind occasioned by the unavailability of frequencies or interference to reception.

6. Notwithstanding the provisions of condition (5), the chief executive reserves the right to require and ensure that any transmission pursuant to this general user radio licence change frequency, reduce power or cease operation, where reasonable evidence is provided to the chief executive of:
- i. harmful interference being caused to licensed services operating outside the range of frequencies specified in this notice; or
 - ii. intentional harmful interference being caused to licensed services operating within the range of frequencies specified in this notice.

7. Consequential revocation of licence—(1) The Radiocommunications Regulations (General User Radio Licence for Fixed Radio Link Devices) Notice 2014, dated the 2nd day of October 2014 and published in the [New Zealand Gazette, 2 October 2014, No. 119, page 3338](#), is revoked.

(2) Notwithstanding the revocation of the notice under subsection (1), every transmitter capable of making transmissions compliant with the requirements of that notice on the commencement date of this notice is deemed to be compliant with the requirements of this notice.

Dated at Wellington this 21st day of April 2015.

JEFFREY DENNIS HICKS, Licensing Manager, Radio Spectrum Management Licensing, Ministry of Business, Innovation and Employment.

Explanatory Note

This note is not part of the notice, but is intended to indicate its general effect.

This notice amends the provision to permit transmission in 5725-5850 MHz as well as provides clarifications to Special Conditions 1 and 2.

Persons intending to operate transmitters pursuant to this licence should familiarise themselves with the National Environment Standard issued under the Resource Management Act 1991 in regard to the effects of radiofrequency radiation.