

Radiocommunications Regulations (General User Radio Licence for Itinerant Differential GPS) Notice 2015

Pursuant to Regulation 9 of the Radiocommunications Regulations 2001 (“the Regulations”) made under section 116(1)(b) of the Radiocommunications Act 1989, 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 Itinerant Differential GPS) Notice 2015.

(2) This notice comes into force on 19 February 2015.

2. Licence—

(1) Licence Name: General User Radio Licence for Itinerant Differential GPS.

(2) Licence: Any person may transmit radio waves using itinerant radiocommunication transmitters to provide accurate position fixing in conjunction with the radionavigation satellite services known as GPS (Global Positioning System), GLONASS (Global Navigation Satellite System), or Galileo systems, in accordance with the applicable terms, conditions and restrictions of this notice. Itinerant Differential GPS, also known as Itinerant Precision GPS or Itinerant D-GPS, is a system that involves a transmitter temporarily installed at an accurately known fixed location from which is transmitted correction data to roving receivers for highly accurate position fixing.

(3) Licence number: 247430

(4) Commencement date: 19 February 2015.

3. Spectrum—

| Low (MHz) | High (MHz) | Reference Frequency (MHz) | Maximum Power dBW e.i.r.p. | Remarks |
|-----------|------------|---------------------------|----------------------------|-------------------------------|
| 173.44375 | 173.45625 | 173.45000 | 3 | Special condition 1 |
| 173.56875 | 173.58125 | 173.57500 | 3 | Special condition 1 |
| 463.81250 | 463.82500 | 463.81875 | 3 | Special conditions 1 and 3 |
| 463.81250 | 463.83750 | 463.82500 | 3 | Special conditions 2 and 3 |
| 463.82500 | 463.83750 | 463.83125 | 3 | Special conditions 1 and 3 |
| 463.83750 | 463.85000 | 463.84375 | 3 | Special conditions 1 and 4 |
| 463.83750 | 463.86250 | 463.85000 | 3 | Special conditions 2 and 4 |
| 463.85000 | 463.86250 | 463.85625 | 3 | Special conditions 1 and 4 |
| 463.86250 | 463.87500 | 463.86875 | 3 | Special conditions 1, 5 and 6 |
| 463.86250 | 463.88750 | 463.87500 | 3 | Special conditions 2 and 6 |
| 463.87500 | 463.88750 | 463.88125 | 3 | Special conditions 1 and 6 |
| 469.00000 | 469.01250 | 469.00625 | 3 | Special condition 1 |
| 469.00000 | 469.02500 | 469.01250 | 3 | Special condition 2 |
| 469.01250 | 469.02500 | 469.01875 | 3 | Special condition 1 |
| 469.02500 | 469.03750 | 469.03125 | 3 | Special condition 1 |
| 469.02500 | 469.05000 | 469.03750 | 3 | Special condition 2 |
| 469.03750 | 469.05000 | 469.04375 | 3 | Special condition 1 |
| 469.05000 | 469.06250 | 469.05625 | 3 | Special condition 1 |
| 469.05000 | 469.07500 | 469.06250 | 3 | Special condition 2 |
| 469.06250 | 469.07500 | 469.06875 | 3 | Special condition 1 |

4. Location—

(1) Transmit Location: All New Zealand.

(2) Receive Location: All New Zealand.

5. Special conditions—

1. The permitted emission is 10K0F1D.
2. The permitted emission is 20K0F1D.
3. In the band 463.81250 to 463.83750 MHz, operation is not permitted within the defined area of the Auckland Council Territorial Authority district.
4. In the band 463.83750 to 463.86250 MHz, operation is not permitted within the defined areas:
 - a. Tauranga City Council Territorial Authority district.
 - b. Western Bay of Plenty District Council Territorial Authority district.
5. In the band 463.86250 to 463.87500 MHz, operation is not permitted within the defined area of the Selwyn District Council Territorial Authority district.
6. In the band 463.86250 to 463.88750 MHz, operation is not permitted within the defined areas:
 - a. Auckland Council Territorial Authority district
 - b. Tauranga City Council Territorial Authority district.
 - c. Western Bay of Plenty Council Territorial Authority district.

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

1. The frequency ranges, peak power of transmissions within those frequency ranges, and designated uses of frequencies are those prescribed in this licence. All transmissions in a given frequency range must comply with any special conditions relating to that frequency range.
2. The peak equivalent isotropic radiated power (e.i.r.p.) must not exceed that prescribed in the Spectrum to this notice or that which is necessary to reliably maintain communications, whichever is lower.
3. Transmitters permanently installed for periods exceeding 12 months are not covered by this general user radio licence.
4. Transmitters must conform to radio standards for land mobile transmitters 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. Should interference occur to services licensed pursuant to a radio licence or spectrum licence, the chief executive reserves the right to require and ensure that any transmission or emission pursuant to this General User Radio Licence change frequency, reduce power or cease operation.
7. Operators are encouraged to use Carrier Sense Multiple Access (CSMA), or equivalent functionality, to avoid interference from other users.

7. Consequential revocation of licence—(1) The Radiocommunications (General User Radio Licence for Itinerant Differential GPS) Notice 2003 dated the 8th day of December 2003 and published in the [New Zealand Gazette, 11 December 2003, No. 169, page 4676](#), 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 17th day of February 2015.

JEFFREY DENNIS HICKS, Licensing Manager, Radio Spectrum Management, 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 prescribes that, pursuant to Regulation-making powers under the Radiocommunications Act*

1989, a general user radio licence is granted for the transmission of radio waves, by means of itinerant radiocommunication transmitters, to provide accurate position fixing in conjunction with the radionavigation satellite service, in accordance with the terms, conditions and restrictions of this notice.

- *This notice adds additional frequencies in the 463.8125-463.8875 MHz frequency range.*
- *This notice provides for 12.5 kHz sub-channel operation in the UHF band.*