

Itinerant differential GPS

Pursuant to Regulation 9 of the [Radiocommunications Regulations 2001](#) (“the Regulations”) made under section 116 (1) (b) of the [Radiocommunications Act 1989](#) (“the Act”), 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 2003.
2. This notice comes into force on 11 December 2003.

2. General user radio licence

1. 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 known as GPS (Global Positioning System), in accordance with the terms, conditions and restrictions of this notice.
2. 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. Terms, conditions and restrictions

1. Except as otherwise provided in this notice, the frequencies and other emission characteristics are those prescribed in the Schedules to this notice.
2. The peak equivalent isotropic radiated power (e.i.r.p.) must not exceed that prescribed in the Schedules 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. Operation of itinerant D-GPS radiocommunication transmitters is not allowed within 1km of locations hosting licences in the frequency range 461.800 to 464.850 MHz (Note 2).
5. Transmitters must conform to technical standards for land mobile transmitters as prescribed in notices made under Regulation 32 (1) (b) of the Regulations.
6. 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 of interference to reception.
7. 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 harmful interference being caused to licensed services operating outside the range of frequencies specified in this notice.
8. The chief executive or any inspector duly authorised by him shall be granted by the licence holder at all reasonable times entry to any place, premises or building for the purpose of ensuring compliance with the licence.

Schedule: 1 VHF

Carrier Frequencies	EEX 339: 173.450 MHz
EEX Channels	EEX 349: 173.575 MHz
Channelling	12.5 kHz
Emission designation	10K0F1D
Peak power	2 Watts (3 dBW) e.i.r.p.

Schedule: 2 UHF

Carrier Frequencies	D 81# : 469.01250 MHz
D# Channels	D 82# : 469.03750 MHz
	D 83# : 469.06250 MHz
Channelling	25 kHz
Emission designation	20K0F1D
Peak power	2 Watts (3 dBW) e.i.r.p.

Note 1: Operators are encouraged to use Carrier Sense Multiple Access (CSMA), or equivalent functionality, to avoid interference from other users.

Note 2: Operators should check the [Register of Radio Frequencies](#) for licences in this frequency range and respective district.

Dated at Wellington this 8th day of December 2003.

SANJAI RAJ, Manager, Business Services, Radio Spectrum Management, Ministry of Economic Development.

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 of 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 radio navigation satellite service known as Itinerant GPS (Global Positioning System), in accordance with the terms, conditions and restrictions of this notice. See the [Register of Radio Frequencies](#) for fixed permanent installations.