

Vehicular radar short range devices

[Radiocommunications Regulations \(General User Radio Licence for Vehicular Radar Short Range Devices\) Notice 2005 \[16 kB PDF\]](#)

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 Vehicular Radar Short Range Devices) Notice 2005.
2. This notice comes into force on 1 November 2005.

2. General user radio licence

A general user radio licence is granted for the transmission of radio waves, by means of vehicular radar short range device radiocommunication transmitters, for the purposes of road vehicle collision mitigation and traffic safety applications, in accordance with the terms, conditions and restrictions of this notice.

3. Terms, conditions and restrictions

1. Except as otherwise provided in this notice, the frequencies and other emission characteristics are those prescribed in the Schedule to this notice.
2. Transmitters must conform to technical standards as prescribed in notices made under Regulation 32 (1) (b) of the Regulations.
3. 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.
4. The chief executive reserves the right to require and ensure that any transmission pursuant to this general user radio licence changes frequency, reduces power, or ceases operation, where reasonable evidence is provided to the chief executive of harmful interference being caused to licensed services.
5. Transmitters must not be permanently installed at a fixed location.
6. This licence expires on 1 July 2013.

Limits in the Frequency Range 22,000 GHz to 26,625 GHz Schedule

TABLE 1 – Limits for broadband maximum radiated average power density (e.i.r.p.) in the frequency band from 22,000 GHz to 26,625 GHz

Frequency Ranges

	Frequency f (GHz)		
	22,000	22,625	25,625
	< f <	< f <	< f <
	22,625	25,625	26,625
Maximum radiated average power density (e.i.r.p.) [dBW/MHz]	$-91,3 + 20 \times (f - 21,625 \text{ GHz})/1$ GHz	-71,3	$-71,3 - 20 \times (f - 25,625 \text{ GHz})/1$ GHz

TABLE 2 – Limits for broadband maximum transmitted peak power density (e.i.r.p.) in the 22,000 GHz to 26,625 GHz band

	Frequency f (GHz)		
	22,000	22,625	25,625
	< f <	< f <	< f <
	22,625	25,625	26,625
Peak Power density (e.i.r.p.) [dBW/3 MHz]	$-74,44 + 20 \times (f - 21,625 \text{ GHz})/1$ GHz	-54,44	$-54,44 - 20 \times (f - 25,625 \text{ GHz})/1$ GHz

Note: Emissions within the range 23.6 to 24.0 GHz that appear 30 degrees or greater above the horizontal plane must be attenuated by at least 25dB up to the year 2010, and 30dB up to 1 July 2013.

Dated at Wellington this Monday, the 10th day of October 2005.

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

Explanatory Note

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

A general user radio licence is granted for the transmission of radio waves, by means of vehicular radar short range device radiocommunication transmitters, for the purposes of road vehicle collision mitigation and traffic safety applications, in accordance with the terms, conditions and restrictions of this notice. This notice comes into effect on 1 November 2005.