

## Radiocommunications Regulations (General User Radio Licence for Vehicular Radar Short Range Devices) Notice 2017

Pursuant to Regulation 9 of the Radiocommunications Regulations 2001 ("Regulations") made under section 116(1)(b) of the Radiocommunications Act 1989 ("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 Vehicular Radar Short Range Devices) Notice 2017.

(2) This notice comes into force on **9 November 2017**.

### 2. Licence—

- (1) Licence Name: General User Radio Licence for Vehicular Radar Short Range Devices.
- (2) Licence: Any person may operate vehicular short-range radar for the purpose of road vehicle collision mitigation and traffic safety applications, in accordance with the terms, conditions, and restrictions of this notice.
- (3) Commencement Date: 9 November 2017.
- (4) Expiry Date: 1 January 2022.
- (5) Licence internet address: <https://www.rsm.govt.nz/about-rsm/spectrum-policy/gazette/gurl/vehicular-radar-short-range-devices>.

### 3. Spectrum—

Low (GHz)	High (GHz)	Reference Frequency (GHz)	Emission	Remarks
22.000	26.625	24.3125	4G62N0N	Special conditions 1, 2 and 3

### 4. Location—

1. Transmit Location: All New Zealand.
2. Receive location: All New Zealand.

### 5. Special Conditions—

1. 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 30 dB.
2. Limits for broadband maximum radiated average power density (e.i.r.p.) in the frequency band from 22.0000 GHz to 26.6250 GHz:

Frequency f (GHz)	22.000 < f < 22.625	22.625 < f < 25.625	25.625 < f < 26.625
Maximum radiated average power density (e.i.r.p.) [dBW/MHz]	$-91.3 + 20 \times (f - 21.625 \text{ GHz}) / 1 \text{ GHz}$	-71.3	$-71.3 - 20 \times (f - 25.625 \text{ GHz}) / 1 \text{ GHz}$

3. Limits for broadband maximum transmitted peak power density (e.i.r.p.) in the frequency band from 22.000 GHz to 26.625 GHz:

Frequency f (GHz)	22.000 < f < 22.625	22.625 < f < 25.625	25.625 < f < 26.625
Peak Power density (e.i.r.p.) [dBW/3 MHz]	$-74.44 + 20 \times (f - 21.625 \text{ GHz}) / 1 \text{ GHz}$	-54.44	$-54.44 - 20 \times (f - 25.625 \text{ GHz}) / 1 \text{ GHz}$

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

1. The frequency ranges, maximum power of transmissions within those frequencies 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. 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. Should interference occur to services licensed pursuant to a radio licence or a spectrum licence, the chief executive reserves the right to require and ensure that any transmission or any emission pursuant to this General User Radio Licence change frequency, reduce power, or cease operation.
5. Transmitters must not be permanently installed at a fixed location.

**7. Consequential revocation of licence**—(1) Radiocommunications Regulations (General User Radio Licence for Vehicular Radar Short Range Devices) Notice 2013, dated 28 June 2013 and published in the [New Zealand Gazette, 4 July 2013, No. 85, page 2283](#), is revoked.

(2) Notwithstanding the revocation of a 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 7th day of November 2017.

SIEGMUND JAMES WIESER, Acting 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 extends the operation of vehicular short-range radar from which was previously going to expire on 1 January 2018 through to 1 January 2022 to enable a longer transition timeframe in line with international arrangements.