

## RADIOCOMMUNICATIONS REGULATIONS 2001, REGULATION 8 - RECORD OF RADIO LICENCE

### 1. Licence details—

1. **Licence Type:** General User Licence (Radio) (ZZ)  
General User Radio Licence for Vehicular Radar Short Range Devices for the transmission of radio waves in New Zealand, for the purpose of short range vehicle detection accordance with the applicable terms, conditions and restrictions of this
2. **Licence Status:** Current
3. **Licence Holder:** Every Person  
New Zealand
4. **Client Number:** 137373
5. **Commencement Date:** 9 November 2017
6. **Expiry Date:** 1 January 2022
7. **Granting Date:** 9 November 2017

### 2. Spectrum Details—

Low (GHz)	High (GHz)	Reference Frequency (MHz)	Emission	Remarks
22.00000	26.62500	24.312500	4G625NON	Special conditions 1, 2 and 3

### 3. Site Details—

- (1) Transmit Location: All New Zealand.
- (2) Receive Location: All New Zealand.

### 4. 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 22.000 GHz to 26.625 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	$-54.44 - 20 \times (f - 25.625 \text{ GHz}) / 1 \text{ GHz}$

**5. General conditions applying to all transmissions under this licence—**

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. 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.

## **RADIO LICENCE GENERAL CONDITIONS**

TERMS, CONDITIONS, AND RESTRICTIONS APPLYING TO EVERY RADIO LICENCE UNDER THE FIRST SCHEDULE TO THE RADIOCOMMUNICATIONS ACT 1989 ('the Act')

### **1. Compliance with International Radio Regulations**

Every person transmitting radio waves must comply with the International Radio Regulations.

### **2. False or misleading communication**

No person may—

(a) cause or permit the transmission, under any radio licence, of any radiocommunications of a false, fictitious, or misleading character; or

(b) cause or permit to be transmitted any false or deceptive distress signal or distress call.

### **3. Breach of other enactment**

No person may transmit radio waves under a radio licence in breach of any other enactment.

TERMS, CONDITIONS, AND RESTRICTIONS APPLYING TO EVERY RADIO LICENCE UNDER THE SCHEDULE 1 TO THE RADIOCOMMUNICATIONS REGULATIONS 2001 ('the regulations')

### **1. Technical compliance**

Any radio transmitter operating under a radio licence must comply with the requirements of the International Radio Regulations (to the extent that they reasonably apply to the category of service specified on the radio licence), and with any technical specifications or standards that may be notified from time to time by the chief executive by notice in the *Gazette*.

### **2. Operational Compliance**

The operation of any radio transmitter operating under a radio licence must comply with the requirements of the International Radio Regulations to the extent that they reasonably apply to the category of radiocommunication service specified on the radio licence.

### **3. Responsibility for observance of provisions**

Observance of all terms, conditions, and restrictions relating to a radio licence by any person authorised to operate a radio transmitter under a radio licence remains the personal responsibility of the holder of the radio licence, as the case may be.

### **4. Notification of change of address**

If a radio licence applies specifically to a radio transmitter at a particular address, the licensee must, within 7 days of removing the radio transmitter from the address, notify the chief executive of the removal.

### **5. Compliance with directions**

The holder of a radio licence must comply with any directions given by the chief executive, or any person authorised by the chief executive to give directions on the chief executive's behalf, for the use of the radio transmitter operating under the radio licence.

### **6. No monopoly conferred**

No radio licence confers upon the holder of the radio licence a monopoly on the use of any frequency or frequencies or frequency band or frequency bands specified on the radio licence.

### **7. Operator of radio transmitter to hold valid operator certificate**

If a radio licence specifies that the operator of any radio transmitter operating under the radio licence must be the holder of a certificate of competency of the class specified on the radio licence, the radio transmitter must not be operated by any person who is not the holder of a certificate of competency of the required class, or of a certificate recognised by the chief executive.

### **8. Callsigns**

If a radio licence requires the use of a callsign, the callsign of the radio transmitter to which the radio licence relates must be the callsign shown on the radio licence.

### **9. Dismantling of radio transmitter when contravention has taken place**

If an authorised officer is of the opinion that a contravention of the Act or the regulations has taken place and requires that a radio transmitter cease operating, the licensee under the relevant radio licence must comply with the requirement.

## **FURTHER CONDITIONS**

### **GENERAL TERMS, CONDITIONS, AND RESTRICTIONS APPLYING TO THIS RADIO LICENCE**

1. Radio transmitters to which this radio licence relates must operate only on or at the frequency(ies), emission(s), power(s) and location(s) prescribed on this licence, or on any schedule annexed to this licence.
2. Nothing in this radio licence, the Act, the regulations, or the International Radio Regulations prohibits any person in distress from using any means at the person's disposal to attract attention, indicate the person's position, and obtain assistance.
3. While all reasonable care has been taken in the engineering of this radio licence, the nature of radio propagation is such that no guarantee can be given that harmful interference will not occur. In the event that harmful interference does occur, the licensee must comply with any direction given by the chief executive, including cessation of transmissions, until the cause of the harmful interference is identified and remedied.
4. The chief executive does not accept liability under any circumstances for any loss or damage of any kind as a consequence of action taken by the chief executive pursuant to these conditions.
5. The engineering of a radio licence does not imply reservation in perpetuity of the frequency shown on the radio licence.
6. The chief executive may, by notice in writing to the licensee, or by notice in the Gazette, modify, transfer, suspend, or revoke this radio licence.
7. This radio licence remains valid until revoked by the chief executive, or until the expiry date (where specified on the licence), whichever occurs first. If this radio licence is revoked at the request of the licensee, the date of revocation cannot precede the date of notification by the licensee.
8. For the period for which a licence is valid, a fee is payable in proportion to that period, rounded up to the nearest month.
9. Fees are prescribed in **Schedule 6** to The Radiocommunications Regulations 2001 and are inclusive of Goods and Services Tax.
10. Any fees payable that are not paid constitute a debt to the Crown until paid in full, and may be recovered from the person liable at the suit of the chief executive or the Registrar in any court of competent jurisdiction.
11. 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 purposes of ensuring compliance with this licence.
12. Should a management right be recorded by the chief executive under S9 of the Radiocommunications Act 1989 ('the Act') in respect of any frequency to which a radio licence relates, Part XIII of the Act shall cease to apply to that frequency and the radio licence shall cease to be in force.
13. All digital fixed service systems must adhere to latest Recommendation ITU-R F-1191, in regards to the necessary and occupied bandwidths of transmissions, by the emissions permitted under this licence.

# **Radio Licence Certificate for General User Radio Licence for Vehicular Radar Short Range Devices**

## **Certificate Issued Pursuant to Regulation 12(b) of the Radiocommunications Regulations 2001**

I, SIEGMUND WIESER, Approved Radio Engineer, having regard to –

- a. the International Radio Regulations; and
- b. the ITU-R reports and recommendations; and
- c. Annex 10 to the Convention on International Civil Aviation; and
- d. the International Convention for the Safety of Life at sea; and
- e. the nature of the service proposed to be operated under the radio licence; and
- f. publication PIB 38 issued by the Chief Executive

but not having regard to the reception of radio waves by inappropriate receivers

hereby certify that in my opinion the authority to transmit radio waves conferred by the radio licence to which this certificate relates, being the radio licence identified as the General User Radio Licence for Vehicular Radar Operators

- g. will not endanger the functioning of any radionavigation service; and
- h. will not endanger the functioning of any radio service essential to the protection of life or property; and
- i. will not cause harmful interference to rights conferred by registered spectrum or radio licences; and
- j. is technically compatible with services authorised to be operated under existing spectrum licences and radio licences; and
- k. will sufficiently define the nature and characteristics of the proposed transmissions to enable subsequent spectrum licences and radio licences to be co-ordinated for the purpose of avoiding harmful interference.

Approved Radio Engineer Number: ARE43

Dated: 6 November 2017