

# RADIOCOMMUNICATIONS CLASS LICENCE



- CITIZEN BAND RADIO  
STATION

made under Section 176 of the

*National Information and Communications Technology Act 2009*

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## Contents

1.	Name of Class Licence.....	1
2.	Commencement.....	1
3.	Definitions.....	1
4.	Administrative process.....	2
5.	Class Licence.....	2
6.	Conditions — General.....	2
7.	Operating a CB station to transmit audio tones.....	3
8.	Conditions relating to CB stations that operate through CB repeater stations.....	3
9.	Directions.....	3
10.	Regulatory Instruments.....	4
	Schedule 1 CB station operational requirements.....	5
	Part 1 HF.....	5
	Part 2 UHF.....	6

## 1. Name of Class Licence

This Class Licence is the Radiocommunications (Citizen Band Radio Stations) Class Licence.

## 2. Commencement

This Class Licence commences on 12 September, 2011.

## 3. Definitions

In this Class Licence:

**Act** means the *National Information and Communications Technology Act 2009*.

**CB** means *Citizen Band*

**CB repeater station** means a station:

- (a) established at a fixed location for the reception and automatic re-transmission of radio signals from CB stations on a channel mentioned in item 5 in Schedule 1; and
- (b) operated under an apparatus licence.

**CB station** or **citizen band radio station** means a station operating on a channel mentioned in Schedule 1.

**device compliance day**, for a CB station, means the most recent of the following days:

- (a) if the CB station was manufactured in Papua New Guinea — the day it was manufactured;
- (b) if the CB station was manufactured overseas and imported — the day it was imported;
- (c) if the CB station was altered or modified in a material respect — the day it was altered or modified.

**lower sideband**, or LSB, means an SSB radio emission of which the sideband above the carrier is suppressed.

**pX** means peak envelope power, being the average power supplied to an antenna transmission line by a transmitter during 1 radio frequency cycle at the crest of the modulation envelope under normal operating conditions.

**pY** means the mean power, being the average power supplied to an antenna transmission line by a transmitter during 1 radio frequency cycle at the crest of the modulation envelope taken under normal operating conditions.

**pZ** means carrier power, being the average power supplied to an antenna transmission line by a transmitter during 1 radio frequency cycle under the conditions of no modulation.

**PM** means phase modulation.

**upper sideband**, or USB, means an SSB radio emission of which the sideband below the carrier is suppressed.

*Note:* Unless the contrary intention appears, any words or phrases used in this Class Licence and not defined in this Class Licence but used in the Act and *National Information and Communication Technology (Radio Spectrum) Regulation 2010* have the same meaning or interpretation as given to them in the Act.

#### **4. Administrative process**

Class licences do not have to be applied for and no licence fees are payable.

#### **5. Class Licence**

Subject to sections 6, 7, 8, 9 and 10, a person may only operate a CB station that:

- (a) directly transmits speech to, or audio tones to initiate communication with, another CB station:
  - (i) on a carrier frequency mentioned in item 1, 2, 3, 4 or 5 in Schedule 1; and
  - (ii) subject to a restriction mentioned in the above items; or
- (b) through a CB repeater station, transmits speech to, or audio tones to initiate communication with, another CB station:
  - (i) on a carrier frequency mentioned in item 5 in Schedule 1; and
  - (ii) subject to a restriction mentioned in the item; or
- (c) transmits data to communicate with another CB station:
  - (i) on a carrier frequency mentioned in item 6 in Schedule 1; and
  - (ii) subject to a restriction mentioned in the item.

*Note:* Operation of a CB station under this Class Licence is also subject to the provisions of the Act. Substantial penalties apply to breaches of the Act.

#### **6. Conditions — General**

A person must not:

- (a) except in an emergency — operate a CB station on:
  - (i) carrier frequency 27.065 megahertz; or
  - (ii) carrier frequency 476.525 megahertz; or
  - (iii) carrier frequency 477.275 megahertz; or
- (b) except to initiate contact with another CB station — operate a CB station on:
  - (i) carrier frequency 27.085 megahertz; or
  - (ii) carrier frequency 27.155 megahertz; or
  - (iii) carrier frequency 476.675 megahertz; or
- (c) use with a transmitter device that encrypts speech transmission in transmitting:
  - (i) a radio signal on a carrier frequency that is referred to in paragraph (a) or (b); or
  - (ii) through a CB repeater station; or
- (d) make an alteration to a CB station, or to accessory apparatus used in the operation of a CB station, that is likely to cause interference to radiocommunications, except:
  - (i) in accordance with a direction given under subparagraph 9 (2) (a) (i); or
  - (ii) with the consent in writing of an inspector who is reasonably satisfied that the alteration has been made to test the operation of the CB station; or

- (e) operate a CB station to transmit on a carrier frequency mentioned in an item in Schedule 1 if the transmission will cause harmful interference to the operation of any other CB station on that carrier frequency; or
- (f) operate a CB station:
  - (i) in a way that would be likely to cause a reasonable person, justifiably in all the circumstances, to be seriously alarmed or seriously affronted; or
  - (ii) for the purpose of harassing a person; or
- (g) fail to comply with a direction given under section 8.

## **7. Operating a CB station to transmit audio tones**

A person, when operating a CB station to transmit audio tones for initiating communications with another CB station, must:

- (a) on a carrier frequency mentioned in item 1, 2 or 3 of Schedule 1, only transmit audible tones for less than 3 seconds in any period of 60 seconds; or
- (b) on a carrier frequency mentioned in item 4 or 5 of Schedule 1, only transmit:
  - (i) audible tones for less than 3 seconds in any period of 60 seconds; or
  - (ii) sub-audible tones.

*Note:* Sub-audible tones are used in continuous tone coded squelch systems (CTCSS).

## **8. Conditions relating to CB stations that operate through CB repeater stations**

A person must not:

- (a) except for the purpose of operating through a CB repeater station, operate a CB station on a channel mentioned in item 5 in Schedule 1 within the operational range of the CB repeater station; or
- (b) transmit to a CB repeater station on a channel mentioned in item 5 in Schedule 1 by a number from 1 to 8 (inclusive); or
- (c) receive a transmission from a CB repeater station on a channel mentioned in item 5 in Schedule 1 by a number from 31 to 38 (inclusive).

## **9. Directions**

- (1) A person must comply with a direction that:
  - (a) relates to the operation of a CB station by the person; and
  - (b) is given to the person by a person referred to in subsection (3); and
  - (c) is described in subsection (4).
- (2) A person must comply with a direction that:
  - (a) relates to interference to radiocommunications that:
    - (i) is likely to be caused by the alteration, installation or maintenance of a CB station, or of accessory apparatus for use with a CB station, by the person; or

- (ii) is, or is likely to be, caused by the operation of a CB station by the person; and
  - (b) is given to the person in writing by an inspector.
- (3) For paragraph (1) (b), a direction may be given by any of the following persons acting in the performance of his or her duties:
  - (a) a member of the PNG Police;
  - (b) an officer of the Defence Force;
- (4) A direction that is referred to in subsection (1) must be reasonably necessary to:
  - (a) secure the safety of an aircraft or a vessel that is in danger; or
  - (b) deal with an emergency that involves a serious threat to the environment; or
  - (c) deal with an emergency that involves the risk of death of, or injury to, a person; or
  - (d) deal with an emergency that involves the risk of substantial damage to, or substantial loss of, property.

## **10. Regulatory Instruments**

All devices to which this Class Licence applies must comply with any standard applicable to it.

**standard** means a standard made under the Act.

## Schedule 1 CB station operational requirements

### Part 1 HF

Item	Channel	Carrier Frequency (megahertz)	Restriction
1	11	27.085	Operation of a CB station must only employ AM with a transmitter power not exceeding 4 watts pZ with a necessary bandwidth not exceeding 6 kHz.
2	16	27.155	Operation of a CB station must only employ SSB modulation using: <ul style="list-style-type: none"> <li>(a) LSB; and</li> <li>(b) a transmitter power not exceeding 12 watts pX; and</li> <li>(c) a necessary bandwidth not exceeding 3 kHz.</li> </ul>
3	1	26.965	Operation of a CB station must only employ: <ul style="list-style-type: none"> <li>(a) AM with a transmitter power not exceeding 4 watts pZ with a necessary bandwidth not exceeding 6 kHz; or</li> <li>(b) SSB modulation using USB or LSB with a transmitter power not exceeding 12 watts pX and with a necessary bandwidth not exceeding 3 kHz.</li> </ul>
	2	26.975	
	3	26.985	
	4	27.005	
	5	27.015	
	6	27.025	
	7	27.035	
	8	27.055	
	9	27.065	
	10	27.075	
	12	27.105	
	13	27.115	
	14	27.125	
	15	27.135	
	17	27.165	
	18	27.175	
	19	27.185	
	20	27.205	
	21	27.215	

<b>Item</b>	<b>Channel</b>	<b>Carrier Frequency (megahertz)</b>	<b>Restriction</b>
3 (cont)	22	27.225	
	23	27.255	
	24	27.235	
	25	27.245	
	26	27.265	
	27	27.275	
	28	27.285	
	29	27.295	
	30	27.305	
	31	27.315	
	32	27.325	
	33	27.335	
	34	27.345	
	35	27.355	
	36	27.365	
	37	27.375	
	38	27.385	
	39	27.395	
	40	27.405	

## **Part 2 UHF**

<b>Item</b>	<b>Channel</b>	<b>Carrier Frequency (megahertz)</b>	<b>Restriction</b>
4	9	476.625	Operation of a CB station must only employ FM or PM with a transmitter power not exceeding 5 watts pZ with a necessary bandwidth not exceeding 16 kHz.
	10	476.650	
	11	476.675	
	12	476.700	
	13	476.725	
	14	476.750	
	15	476.775	
	16	476.800	
	17	476.825	
	18	476.850	
	19	476.875	
	20	476.900	

Item	Channel	Carrier Frequency (megahertz)	Restriction
	21	476.925	
	24	477.000	
	25	477.025	
	26	477.050	
	27	477.075	
	28	477.100	
	29	477.125	
	30	477.150	
	39	477.375	
	40	477.400	
5	1	476.425	Operation of a CB station must only employ FM or PM with a transmitter power not exceeding 5 watts pZ with a necessary bandwidth not exceeding 16 kHz.
	2	476.450	
	3	476.475	
	4	476.500	
	5	476.525	
	6	476.550	
	7	476.575	
	8	476.600	
	31	477.175	
	32	477.200	
	33	477.225	
	34	477.250	
	35	477.275	
	36	477.300	
	37	477.325	
	38	477.350	

Item	Channel	Carrier Frequency (megahertz)	Restriction
6	22	476.950	<p>A transmitter employed in a CB station:</p> <ul style="list-style-type: none"> <li>(a) must operate with a transmitter power not exceeding 5 watts; and</li> <li>(b) must not exceed an EIRP of 8.3 watts; and</li> <li>(c) must operate with an occupied bandwidth not exceeding 16 kHz; and</li> <li>(d) must not exceed a carrier frequency error of <math>\pm 3</math> kHz; and</li> <li>(e) must not exceed an adjacent channel power of <math>-22</math> dBm; and</li> <li>(f) must not exceed a conducted spurious emission of <math>-30</math> dBm; and</li> <li>(g) must operate on a duty cycle of not more than 3 seconds in any period of 60 minutes; and</li> <li>(h) must be fitted with a device that shuts the transmitter down after 3 minutes of continuous operation.</li> </ul> <p>A receiver employed in a CB station must operate with a conducted spurious emission not exceeding <math>-57</math> dBm.</p> <p><i>Note:</i> The use of single frequency store and forward repeaters is permitted.</p>
	23	476.975	