



Radiocommunications Licence Conditions (Amateur Licence) Amendment Determination 2005 (No. 1)

The AUSTRALIAN COMMUNICATIONS AND MEDIA AUTHORITY makes this Determination under paragraph 107 (1) (f) of the *Radiocommunications Act 1992*.

Dated 13th October 2005

C. CHEAH
Acting Chair

J.J. PLANTE
Member

Australian Communications and Media Authority

1 Name of Determination

This Determination is the .

2 Commencement

This Determination commences on the day after it is registered.

3 Amendment of *Radiocommunications Licence Conditions (Amateur Licence) Determination No. 1 of 1997*

Schedule 1 amends the *Radiocommunications Licence Conditions (Amateur Licence) Determination No. 1 of 1997*.

Schedule 1 Amendments

(section 3)

[1] Subsection 2 (1)

substitute

- (1) This Determination sets out conditions to which an amateur licence is subject in the following manner:
- (a) every amateur licence is subject to the conditions in Part 2;
 - (b) every:
 - (i) amateur licence (amateur unrestricted station); and
 - (ii) amateur licence (amateur limited station); and
 - (iii) amateur licence (amateur intermediate station); and
 - (iv) amateur licence (amateur advanced station);is also subject to the conditions in Part 3;
 - (c) every:
 - (i) amateur licence (amateur novice station); and
 - (ii) amateur licence (amateur novice limited station); and
 - (iii) amateur licence (amateur standard station);is also subject to the conditions in Part 5;
 - (d) every amateur licence (amateur foundation station) is also subject to the conditions in Part 6;
 - (e) every amateur licence (amateur beacon station) is also subject to the conditions in Part 8;
 - (f) every amateur licence (amateur repeater station) is also subject to the conditions in Part 9.

[2] Subsection 3 (1), after definition of *Act*

insert

amateur licence (amateur advanced station) means an amateur licence that authorises the holder to operate an amateur advanced station.

[3] Subsection 3 (1), after definition of ***amateur licence (amateur beacon station)***

insert

amateur licence (amateur foundation station) means an amateur licence that authorises the holder to operate an amateur foundation station.

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- [4] **Subsection 3 (1), after definition of *amateur licence (amateur repeater station)***
insert
amateur licence (amateur standard station) means an amateur licence that authorises the holder to operate an amateur standard station.
- [5] **Subsection 3 (1), definition of emission mode**
substitute
emission mode means the mode that may be used to transmit from a station operated under a licence, identified in accordance with Schedule 1 in terms of:
- (a) the necessary bandwidth of the transmission; and
 - (b) the modulation of the main carrier of the transmission; and
 - (c) the nature of the signal or signals modulating the main carrier of the transmission; and
 - (d) the kind of information to be transmitted.
- Note* Schedule 1 sets out the symbols used to describe the components of each emission mode, and is based on information in Article 4 (Designation of Emission) of the Radio Regulations.
- [6] **Subsection 3 (1), after definition of *licensee***
insert
manually operated morse key means a straight or up-and-down morse key or a manually operated mechanical automatic or semi-automatic “bug” style morse key, but does not include a key that is part of a keyboard.
- [7] **Subsection 3 (1), before definition of *originating station***
insert
necessary bandwidth means, for a given class of emission, the width of the frequency band that is just sufficient to ensure the transmission of information at the rate, and with the quality, required under specified conditions.
- [8] **Subsection 3 (1), definition of *wideband emission***
omit
- [9] **Subparagraph 6 (a) (i)**
substitute
(i) self training in radiocommunications; or
-

[10] **Part 3, heading**

substitute

Part 3 **Conditions for amateur licence
(amateur unrestricted station, amateur
limited station, amateur intermediate
station or amateur advanced station)**

[11] **Section 12**

substitute

12 **Definition**

In this Part:

station to which this Part applies means:

- (a) an amateur unrestricted station; or
- (b) an amateur limited station; or
- (c) an amateur intermediate station; or
- (d) an amateur advanced station.

12A **Conditions**

For paragraph 107 (1) (f), every:

- (a) amateur licence (amateur unrestricted station); and
- (b) amateur licence (amateur limited station); and
- (c) amateur licence (amateur intermediate station); and
- (d) amateur licence (amateur advanced station);

is subject to the additional conditions in this Part relating to the operation by the licensee under the licence of any station to which this Part applies.

[12] **Sections 13 and 14**

substitute

13 **Permitted frequency bands**

The licensee must operate a station to which this Part applies only on a frequency that:

- (a) is in a frequency band mentioned in an item in Part 1 of Schedule 2; and
- (b) is not in an excluded frequency range specified in an item in Part 2 of Schedule 2 for the area of operation.

14 Emissions from a station to which this Part applies

The licensee must not operate a station to which this Part applies in a frequency band mentioned in an item in Schedule 2 unless:

- (a) it is operated using an emission mode mentioned in the item; and
- (b) the transmission remains entirely within a frequency band mentioned in the item.

[13] Section 15, heading

substitute

15 Operating a station to which this Part applies in the frequency band 50 MHz to 52 MHz

[14] Subsection 15 (1)

omit

an amateur unrestricted station

insert

a station to which this Part applies

[15] Subsections 15 (2) and (3)

omit

amateur unrestricted station

insert

station to which this Part applies

[16] Section 15A, heading

substitute

15A Operating a station to which this Part applies in the frequency bands 3.425 GHz to 3.4425 GHz and 3.475 GHz to 3.4925 GHz

[17] Section 15A

omit

an amateur unrestricted station

insert

a station to which this Part applies

-
- [18] **Section 15B, heading**
 substitute
- 15B **Operating a station to which this Part applies in the frequency
bands 3.4425 GHz to 3.475 GHz and 3.5425 GHz to 3.575 GHz**
- [19] **Section 15B**
 omit
 an amateur unrestricted station
 insert
 a station to which this Part applies
- [20] **Subsections 16 (1) and (2)**
 omit
 an amateur unrestricted station,
 insert
 a station to which this Part applies,
- [21] **Part 4**
 omit
- [22] **Part 5, heading**
 substitute
- Part 5 Conditions for amateur licence
 (amateur novice station, amateur
 novice limited station or amateur
 standard station)**

[23] Section 22

substitute

22 Definition

In this Part:

station to which this Part applies means:

- (a) an amateur novice station; or
- (b) an amateur novice limited station; or
- (c) an amateur standard station.

22A Conditions

For paragraph 107 (1) (f), every:

- (a) amateur licence (amateur novice station); and
- (b) amateur licence (amateur novice limited station); and
- (c) amateur licence (amateur standard station);

is subject to the additional conditions in this Part relating to the operation by the licensee under the licence of any station to which this Part applies.

[24] Section 23

omit

an amateur novice station

insert

a station to which this Part applies

[25] Section 23

omit

column 2 of

[26] Section 24, including the note

substitute

24 Emissions from a station to which this Part applies

The licensee must not operate a station to which this Part applies in a frequency band mentioned in an item in Schedule 3 unless:

- (a) it is operated using an emission mode mentioned in the item; and
- (b) the transmission remains entirely within a frequency band mentioned in the item.

[27] Subsections 25 (1) and (2)

omit

an amateur novice station,

insert

a station to which this Part applies,

[28] Parts 6 and 7

substitute

Part 6 Conditions for amateur licence (amateur foundation station)

26 Conditions

For paragraph 107 (1) (f), every amateur licence (amateur foundation station) is subject to the additional conditions in this Part relating to the operation of any amateur foundation station by the licensee under the licence.

27 Permitted frequency bands

The licensee must operate an amateur foundation station to transmit only on a frequency in a frequency band mentioned in an item in Schedule 3A.

28 Transmitting equipment restrictions

The licensee must not operate an amateur foundation station using a transmitter that has not been manufactured commercially.

29 Emissions from an amateur foundation station

The licensee must not operate an amateur foundation station in a frequency band mentioned in an item in Schedule 3A unless:

- (a) it is operated using an emission mode mentioned in the item; and
- (b) if the emission mode is 200HA1A, the information to be transmitted is sent by the use of a manually operated morse key; and
- (c) the transmission remains entirely within a frequency band mentioned in the item.

30 Transmitter output power

- (1) The licensee must not operate an amateur foundation station using a transmitter output power of more than 10 watts pX if the emission mode of the station includes J3E.

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- (2) The licensee must not operate an amateur foundation station, with an emission mode not mentioned in subsection (1), using a transmitter output power of more than 3 watts pY.

[29] Schedules 2 and 3

substitute

Schedule 2 Permitted frequencies and emission modes (amateur unrestricted, amateur limited, amateur intermediate and amateur advanced stations)

(sections 13 and 14)

Part 1 Permitted frequencies and emission modes

Item	Frequency band	Permitted emission modes
1	1.800 MHz–1.875 MHz	Any emission mode with a necessary bandwidth not exceeding 8 kHz
	3.500 MHz–3.700 MHz	
	3.776 MHz–3.800 MHz	
	7.000 MHz–7.300 MHz	
	10.100 MHz–10.150 MHz	
	14.000 MHz–14.350 MHz	
	18.068 MHz–18.168 MHz	
	21.000 MHz–21.450 MHz	
	24.890 MHz–24.990 MHz	
2	28.000 MHz–29.700 MHz	Any emission mode with a necessary bandwidth not exceeding 16 kHz
3	50.000 MHz–54.000 MHz	Any emission mode with a necessary bandwidth not exceeding 100 kHz
	144.000 MHz–148.000 MHz	
4	420.000 MHz–450.000 MHz	Any emission mode
	1 240.000 MHz–1 300.000 MHz	
	2 300.000 MHz–2 302.000 MHz	
	2 400.000 MHz–2 450.000 MHz	
	3.300 GHz–3.425 GHz	
	3.425 GHz–3.4425 GHz [see note 2]	
	3.4425 GHz–3.475 GHz [see note 3]	
	3.475 GHz–3.4925 GHz [see note 2]	
	3.4925 GHz–3.5425 GHz	

Item	Frequency band	Permitted emission modes
	3.5425 GHz–3.575 GHz [see note 3]	
	3.575 GHz–3.600 GHz	
	5.650 GHz–5.850 GHz	
	10.000 GHz–10.500 GHz	
	24.000 GHz–24.250 GHz	
	47.000 GHz–47.200 GHz	
	76.000 GHz–81.000 GHz	
	122.250 GHz–123.000 GHz	
	134.000 GHz–141.000 GHz	
	241.000 GHz–250.000 GHz	

Part 2 Excluded frequency ranges

Item	Area of operation	Excluded frequency range
1	New South Wales, the Australian Capital Territory and the Jervis Bay Territory	421.83125–421.99375 MHz 425.25625–425.59375 MHz 428.83125–428.99375 MHz
2	Melbourne Area	420.00–420.75 MHz 421.25–424.75 MHz 425.25–430.00 MHz
3	Perth Area	420 MHz–430 MHz
4	Sydney Area	421.25–421.75 MHz 428.25–428.75 MHz

Note 1 Operating restrictions imposed under sections 15 and 16 are not affected by the operation of this Schedule.

Note 2 The operation of an amateur unrestricted station, amateur limited station, amateur intermediate station or amateur advanced station in this band is subject to the limitation mentioned in section 15A.

Note 3 The operation of an amateur unrestricted station, amateur limited station, amateur intermediate station or amateur advanced station in this band is subject to the limitation mentioned in section 15B.

Schedule 3 Permitted frequencies and emission modes (amateur novice station, amateur novice limited station and amateur standard station)

(sections 23 and 24)

Item	Frequency band	Permitted emission modes
1	3.500 MHz–3.700 MHz	Any emission mode with a necessary bandwidth not exceeding 8 kHz
	7.000 MHz–7.300 MHz	
	14.000 MHz–14.350 MHz	
	21.000 MHz–21.450 MHz	
2	28.000 MHz–29.700 MHz	Any emission mode with a necessary bandwidth not exceeding 16 kHz
	52.000 MHz–54.000 MHz	
	144.000 MHz–148.000 MHz	
	430.000 MHz–450.000 MHz	
	1 240.000 MHz–1 300.000 MHz	
	2 400.000 MHz–2 450.000 MHz	
	5.650 GHz–5.850 GHz	

Schedule 3A Permitted frequencies and emission modes (amateur foundation station)

(sections 27 and 29)

Item	Frequency band	Permitted emission modes
1	3.500 MHz–3.700 MHz	200HA1A
	7.000 MHz–7.300 MHz	8K00A3E
	21.000 MHz–21.450 MHz	4K00J3E

Item	Frequency band	Permitted emission modes
2	28.000 MHz–29.700 MHz	200HA1A
	144.000 MHz–148.000 MHz	8K00A3E
	430.000 MHz–450.000 MHz	4K00J3E
		16K0F3E
		16K0G3E

[30] Schedule 5, heading
substitute

Schedule 5 3.4 GHz bands — designated areas
(section 15A)

[31] Schedule 6, heading
substitute

Schedule 6 3.4 GHz bands — designated areas
(section 15B)