Australian Amateur Radio

Band Plan

Revision 2026-1

Introducing the Australian Amateur Radio Band Plan

A voluntary agreement based on mutual respect

For many decades, the Amateur Radio Service—through the International Amateur Radio Union (IARU)—has developed ways to guide how amateur radio spectrum is used. The goal is to minimise interference between different operating modes and activities.

This is achieved through **voluntary band plans**, which divide the amateur spectrum into smaller usage segments beyond the basic regulatory definitions. These plans help separate operating modes that are not always compatible, reducing the likelihood of interference between operators with different interests.

In Australia, band plans are coordinated through the **IARU**, with the **Wireless Institute of Australia (WIA)** acting as the national representative. Band plans are **guidelines**, not laws. They work only when radio amateurs respect one another and voluntarily follow them in the spirit in which they are intended.

How Band Plans Are Structured

Band plans operate at multiple levels:

- **Regional band plans**, developed by the IARU (for Australia, this is **IARU Region 3**)
- **National band plans**, adapted where necessary to reflect domestic regulatory requirements

Where national regulations differ from regional band plans, the following principles apply:

1. **National regulations always take precedence** over band plans.
2. Countries may adopt different arrangements, provided they do not cause harmful interference to stations operating in accordance with the regional band plan.
3. IARU member societies are **strongly encouraged** to base their national band plans on the regional plans.

These principles define how conflicts between regulations and voluntary band plans are resolved.

Ultimately, the effective use of band plans depends on **on-air courtesy and respect**—both for fellow amateurs and for other spectrum users who share bands with us. This is fundamental to the harmonious use of our limited and valuable spectrum.

The Regulatory Environment

While band plans are voluntary, amateur radio operation is governed by formal regulation.

In Australia, access to amateur radio spectrum is granted by the **Australian Communications and Media Authority (ACMA)** under the **Radiocommunications (Amateur Stations) Class Licence 2023**. Operators must demonstrate competence by obtaining an appropriate qualification and call sign.

The frequencies available to amateur radio are defined in the **Australian Radio Spectrum Plan**, which aligns with the **International Telecommunication Union (ITU) Radio Regulations**, to which Australia is a signatory.

Primary and Secondary Spectrum

Amateur radio operates under two spectrum classifications, each with specific interference responsibilities:

- **Primary spectrum**
  Amateur stations may operate with the expectation of protection from harmful interference, although sharing arrangements may still apply.
- **Secondary spectrum**
  Amateur stations **must not cause interference** to primary users and **must accept any interference received**.
  If you hear activity on a frequency—whether intelligible or not—you must not transmit on that frequency.

These responsibilities may be further refined by footnotes in the ITU Radio Regulations. In many bands, the Amateur Service operates on a secondary basis and must manage its activities accordingly.

Interference Responsibility

The final authority on interference management is the **Radiocommunications Act 1992** and the Amateur Class Licence.

Part 3, Section 15 states:

> "A person must not operate an amateur station if its operation causes harmful interference to radiocommunications."

Each individual operator is therefore responsible for ensuring their station does not cause harmful interference.

Although band plans are not legally enforceable, they are an important **self-regulatory tool** that helps amateurs meet their regulatory obligations and share spectrum fairly and efficiently. They deserve careful consideration and respect.

How each band plan is represented

Each band plan shows the following key information:

- ITU and ACMA regulatory limits
- Licence classes permitted to operate
- Major usage segments
- Common Centres of Activity

Where there are specific regulatory conditions on a band (e.g. ITU foot notes in the radio regulations) they have been highlighted in each case (for example the radio astronomy conditions that apply to portions of the 3.3-3.4 GHz band).

Guidance is also included to help Amateur Radio operators translate what their radio displays on its frequency dial to where in the radio spectrum the signal content actually sits. This is particularly relevant for modes like Upper Sideband (USB) or Lower Sideband (LSB) where the dial frequency reports either the highest or lowest frequency the transmission begins on but does not reflect the centre of the signal or the bandwidth of the signal.

Usage Categories in the Band Plans

Band plans divide the amateur spectrum into **usage categories** that generally are not compatible with one another. The main categories include:

- **CW** – Morse code operation
- **DATA** – Machine-to-machine data communications, typically computer-generated / text-based communications (not to be confused with Digital Modulation based modes)
  (e.g. FT8, RTTY, Winlink; often using FSK or PSK modulation)
- **VOICE / IMAGE** – Speech and image communications
  Includes analogue modes (e.g. SSB, SSTV) and digital modulation-based voice and image modes (e.g. FreeDV, C4FM, DMR, D-STAR, digital SSTV)
- **SATELLITE** – used exclusively for ground to space or space to ground communications only
- **AMATEUR TELEVISION** – fast scan wideband ATV transmissions using either analogue or digital transmissions
- **ALL MODES** – there are no mode restrictions on this part of the spectrum – this is free for general experimental use.
- **BEACONS** – propagation detection and reporting beacons – 24x7 fix location operation
- **REPEATERS** – fixed repeater stations that operate 24x7

Additional spectrum segments are allocated for repeaters, wideband data, amateur television, satellites, weak-signal modes, beacons, and general experimental or “all-modes” use.

Centres of Activity

Finally, within these segments, certain frequencies are commonly used for specific activities. These are identified as **Centres of Activity** to help operators find ongoing activity on the bands.

Centres of Activity are **guidelines only** and may change over time.

Key Centres of Activity to consider include those marked for Emergency Communications or WICEN use. During natural disasters, if amateur radio is activated to help with temporary communications, these are the frequencies where that activity will most likely be conducted. This means that during such emergency declarations in particular, amateurs not involved in emergency traffic handling should avoid those channels, even if the emergency is in another country – after all our HF bands in particular provide global communications opportunities.

2200m Band

135.7 – 137.8 kHz – Secondary Service - Advanced Licensees Only

Spectrum Users

135.7 – 137.8 kHz [82 AUS68]

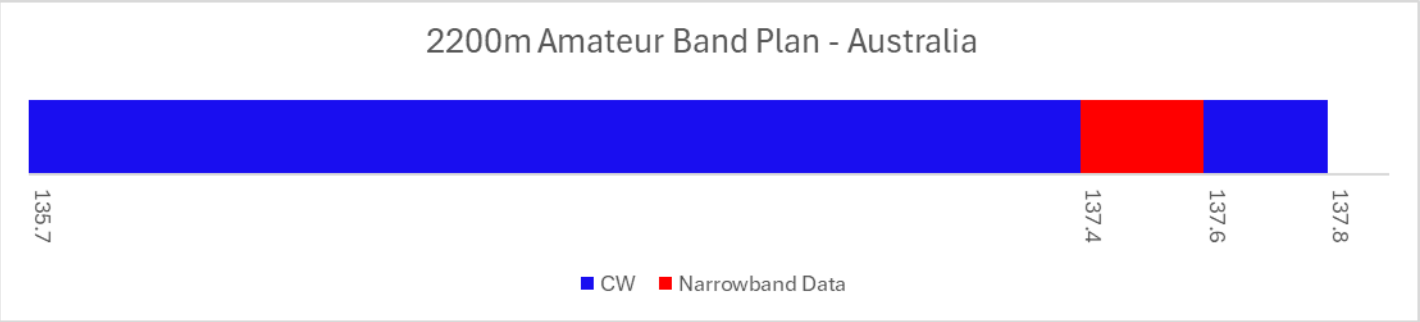
- **FIXED**
- **MARITIME MOBILE**
- **RADIONAVIGATION**
- *Amateur (Secondary)* [67A]

SECONDARY SERVICE NOTE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

ITU-R Footnote 67A Stations in the amateur service using frequencies in the band 135.7–137.8 kHz shall not exceed a maximum radiated power of 1 W (e.i.r.p) and shall not cause harmful interference to stations of the radionavigation service

Amateur Band Plan

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
135.7	**137.4**	**CW**	< 500 Hz	**Priority**	
137.4	**137.6**	**DATA**	< 500 Hz	**Priority**	
137.6	**137.8**	**CW**	< 500 Hz	**Priority**	



Centres of Activity:

- 135.7 – 135.8 kHz – CW International DX Window
- 135.8 – 136.0 kHz – CW test transmissions and test beacons
- 136.5 – CW Centre of Activity
- 137.4 – 137.6 kHz – WSPR / FST4W – 136.0 kHz (USB Dial)
- 137.6 – 137.8 kHz – QRSS Slow CW

630m Band

472 – 479 kHz - Secondary Service - Advanced Licensees Only

Spectrum Users

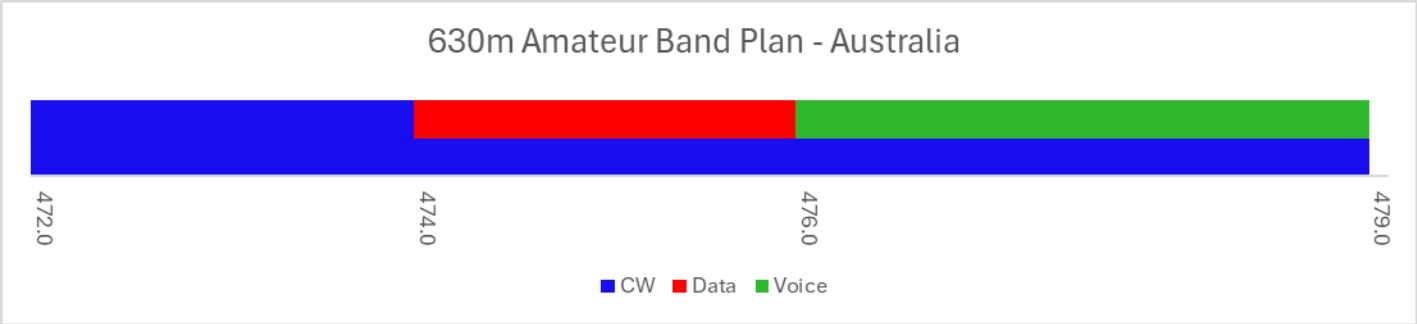
472 – 479 kHz [82 AUS68]

- **MARITIME MOBILE** [79]
- **AERONAUTICAL RADIONAVIGATION** [77 AUS49]
- *Amateur (Secondary)* [80A]

SECONDARY SERVICE NOTE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

Australian Amateur Band Plan

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
472	**474**	**CW**	**< 500 Hz**	**Priority**	
474	**476**	**DATA** *CW*	< 500 Hz < 500 Hz	**Priority** *Shared*	Note DATA USB dial frequencies will be below 475 kHz in some situations
476	**479**	**VOICE** *CW*	**< 2.1 kHz** <500 Hz	**Priority** *Shared*	***NEW***



Centres of Activity

- 475.6 – 475.8 kHz – WSPR / FST4W – 474.2 kHz (USB Dial)
- 478.5 kHz – Lower Side Band (LSB) VOICE (2.1kHz BW limited)

160m Band

1800 – 1810 kHz – Primary Service (Shared) - Advanced Licensees Only

Spectrum users:

SHARED SERVICE NOTE:
Amateurs should not cause Harmful Interference to others.
Note the requirement to protect Loran C transmissions.

1800 – 1825 kHz

- **AMATEUR SERVICE – PRIMARY**

1825 – 1875 kHz [97]

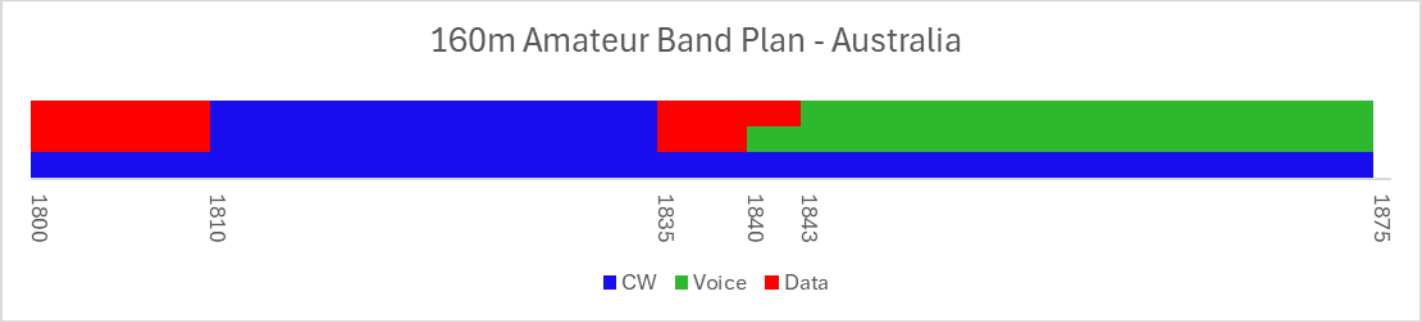
- **AMATEUR SERVICE – PRIMARY**
- RADIONAVIGATION – PRIMARY
- Radiolocation – Secondary

ITU Footnote 97

> *In Region 3, the Loran system operates either on 1 850 kHz or 1 950 kHz, the bands occupied being 1825–1875 kHz and 1925–1975 kHz respectively. Other services to which the band 1,800–2,000 kHz is allocated may use any frequency therein on condition that no harmful interference is caused to the Loran system operating on 1 850 kHz or 1 950 kHz.*

Amateur Band Plan

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
1800	**1810**	**DATA** *CW*	< 3kHz *< 500 Hz*	**Priority** *Shared*	Note: only available to Region II areas plus Australia
1810	**1835**	**CW**	< 500 Hz	**Priority**	
1835	**1840**	**DATA** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	
1840	**1843**	**DATA** *VOICE* *CW*	< 3 kHz < 6 kHz < 500 Hz	**Priority** *Shared* *Shared*	VOICE AM activity in Australia on 1843 kHz should only occur DURING DAYLIGHT HOURS. VOICE AM CoA is 1870 kHz
1843	**1875**	**VOICE / Image**	< 6 kHz	**Priority**	



Centres of Activity:

- 1835 kHz – FT8 Fox/MSHV Expedition Mode – recommended (to avoid WSPR/FST4)
- 1838 – 1838.2 kHz – WSPR/FST4 (USB dial frequency 1836.6)
- 1838.2 – 1840 kHz – JT9/JT65 modes
- 1840 kHz – FT8 primary global network
- 1870 kHz – AM VOICE

80m Band

3500 – 3700 kHz - Primary Service - All Licence Classes

3776 – 3800 kHz – Primary Service - Advanced Licensees only

Spectrum users:

3500 – 3700 kHz + 3776 – 3800 kHz

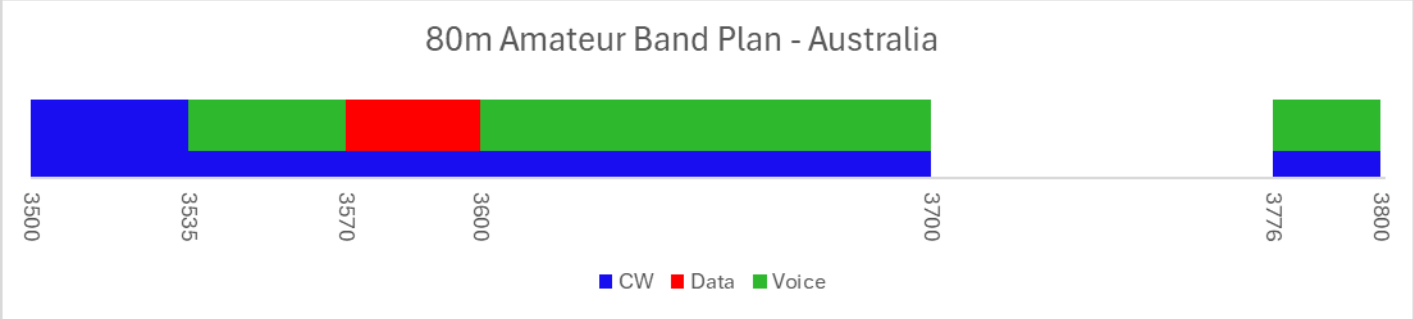
- **AMATEUR SERVICE – EXCLUSIVE**

Amateur Band Plan – All Licence Grades

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
3500	**3535**	**CW**	< 500 Hz	**Priority**	
3535	**3570**	**VOICE / Image** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	Lowest LSB dial 3538 kHz
3570	**3600**	**DATA** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	
3600	**3700**	**VOICE / Image** *CW*	< 6 kHz < 500 Hz	**Priority** *Shared*	Lowest LSB Dial 3603 kHz

Amateur Band Plan – Advanced Only

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
3776	**3800**	**VOICE / Image**	< 3 kHz	**Priority**	SSB DX WINDOW Lowest LSB Dial 3779 kHz



Centres of Activity:

- 3530 kHz – CW QRP (VK)
- 3570.0 – 3570.2 kHz – WSPR Data (USB 3568.6 kHz Dial)
- 3570 – 3573 kHz - PSK/Weak signal Data
- 3573 kHz – FT8 Primary (3573 kHz USB Dial)
- 3576 kHz – JT65 Modes (3576 kHz USB Dial)
- 3600 kHz – Emergency Communications (Region 3)
- 3610 kHz – Emergency Communications (VK) *
- 3686 kHz – AM VOICE activity
- 3699 kHz – CW Training Beacon (VK2 originated)

Frequencies VK Amateurs should avoid at night:

- *3585 - 3588 kHz - HLL2 South Korea Weather Fax*
- *3622 - 3626 kHz - JMH Japan Weather Fax*

** different to region 3 to ensure it is contained fully within the voice only segment of the band.*

40m Band

7000 – 7100 kHz - Primary Service - All Licence Classes

7100 – 7300 kHz - Secondary Service - All Licence Classes

Spectrum users:

SECONDARY SERVICE NOTE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

7000 – 7100 kHz

- **AMATEUR – PRIMARY**

7100 – 7200 kHz [AUS12 + ITU 141B]

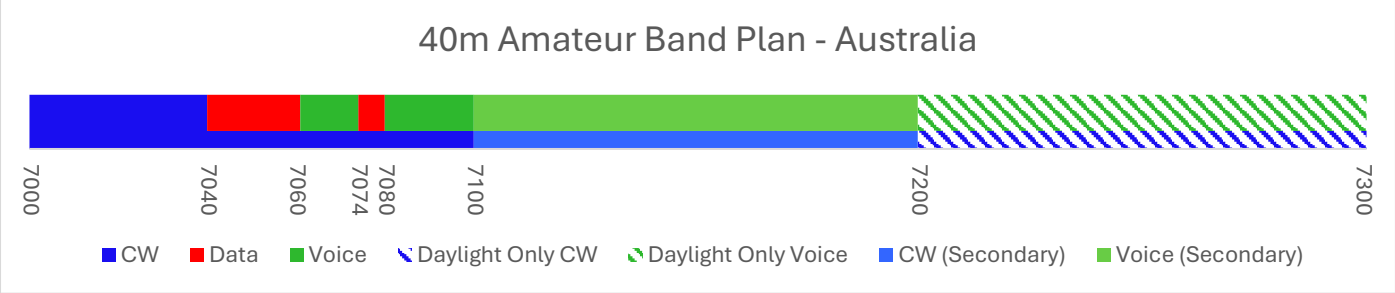
- **FIXED** – PRIMARY
- **MOBILE except aeronautical mobile** - PRIMARY
- *Amateur - SECONDARY*

7200 – 7300 kHz [AUS12 + ITU 141B]

- **BROADCASTING** - PRIMARY
- *Amateur - SECONDARY*

Amateur Band Plan

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
7000	**7040**	**CW**	< 500 Hz	**Priority**	
7040	**7060**	**DATA** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	
7060	**7074**	**VOICE / Image** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	LSB VOICE Dial no lower than 7063 kHz
7074	**7080**	**DATA** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	*WSJT centre of activity*
7080	**7100**	**VOICE / Image** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	LSB Dial no lower than 7083 kHz
7100	**7200**	**VOICE / Image** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	Amateur Radio is a Secondary Service in Australia in this segment to FIXED and LAND MOBILE users
7200	**7300**	**VOICE / Image** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	Amateur Radio is a Secondary Service in Australia to BROADCASTING (Daylight only use possible)



Centres of Activity

- 7030 kHz – CW QRP
- 7040 – 7040.2 kHz – WSPR (USB Dial 7038.6)
- 7041 kHz – Japan Domestic FT8
- 7046.9 kHz – APRS 300 Baud (USB dial 7045.2 kHz with 1600/1800 Hz tones)
- 7047.5 – 7050.5 kHz FT4 Global Primary (7047.5 USB dial)
- 7050 – 7056 kHz Store and Forward Automatic Data (e.g. Winlink)- USB dial below 7053 kHz
- 7056 – 7060 kHz FT8 Dxpedition (7056 kHz USB dial)
- 7074 – 7077 kHz FT8 Global Primary (7074 USB dial)
- 7077 – 7080 kHz JT/JS8 Data (7077 USB dial)
- 7090 kHz – SSB VOICE QRP
- 7110 kHz – Emergency Calling Frequency (IARU Region 3 supported)
- 7125 kHz – AM Domestic (preferred during daylight hours only)
- 7171 kHz – SSTV

30m Band

10100 – 10150 kHz – Secondary Service - Advanced Licensees Only

Spectrum users:

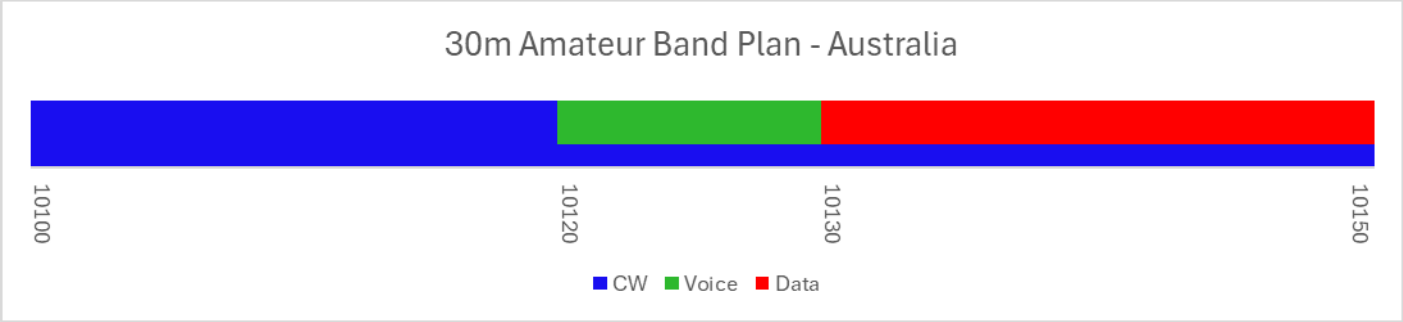
10100 – 10150 kHz

- FIXED – PRIMARY [AUS57]
- **Amateur – SECONDARY**

SECONDARY SERVICE NOTE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

Amateur Band Plan

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
10100	**10120**	**CW**	< 500 Hz	**Priority**	10120 – 10150 kHz (Shared)
10120	**10131**	**VOICE** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	Domestic Only USB (SSB) (proposed change) USB dial must remain below 10128 kHz
10131	**10150**	**DATA** CW	< 3 kHz < 500 Hz	**Priority** Shared	



Note: Only Australian Amateurs are permitted to use SSB on this band. SSB arrangements are purely domestic.

Centres of Activity

- *10131 – 10136 kHz – FT8 DXpedition Primary*
- *10136 kHz – Global FT8 Primary*
- *10138.6 kHz (USB Dial) WSPR (10140.0-10140.2 kHz occupied BW)*
- *10140 kHz – Global FT4 Primary*
- *10147.6 kHz (USB Dial) APRS 300 Baud (10149.4-10149.6 kHz occupied BW)*

Reminder: The Australian Defence OTHR network is a legitimate primary user of this spectrum.

20m Band

14000 – 14350 kHz – Primary Service - Advanced and Standard Licensees

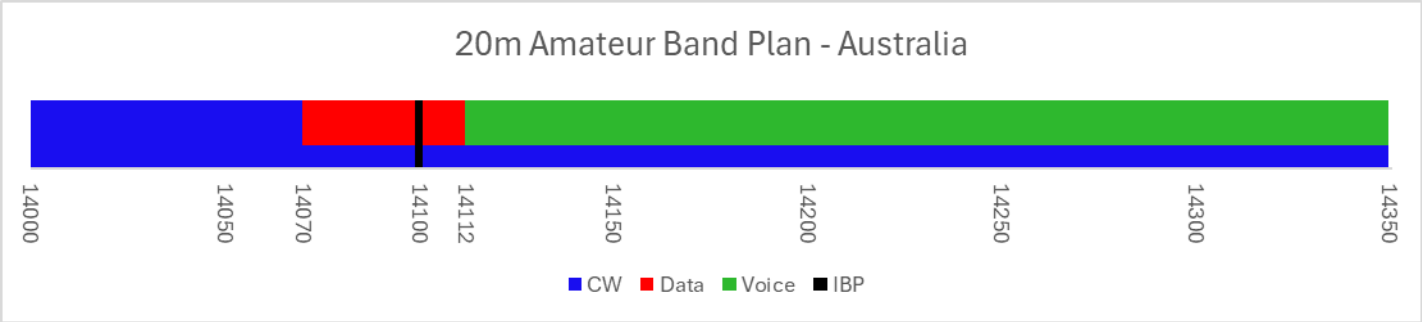
Spectrum users:

14000 – 14350 kHz

- **AMATEUR – EXCLUSIVE**

Amateur Band Plan

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
14000	**14070**	**CW**	**< 500 Hz**	**Priority**	
14070	**14099**	**DATA** *CW*	**< 3 kHz** < 500Hz	**Priority** *Shared*	
14099	**14101**	**IBP BEACONS**	**< 500 Hz**	**Priority**	
14101	**14112**	**DATA** *CW*	**< 3 kHz** < 500 Hz	**Priority** *Shared*	
14112	**14350**	**VOICE / Image** *CW*	**< 3 kHz** < 500 Hz	**Priority** *Shared*	Highest usable USB (SSB) dial frequency 14347 kHz



Centres of Activity

- 14230 kHz – SSTV
- 14300 kHz – IARU R3 / WICEN Emergency Communications Calling Frequency
- 14060 kHz – CW QRP
- 14070 – 14074 kHz – PSK/Olivia/Weak signal conversational digital modes
- 14074 kHz – FT8 Global Primary
- 14077 kHz – JT modes Global Primary
- 14080 kHz – FT4 Global Primary
- 14090 kHz – FT8 DXpedition Primary
- 14096.0 – 14096.2 kHz - 14094.6 (USB Dial) WSPR
- 14100 kHz – International CW Beacon Network (Time shared)
- 14101 – 14112 kHz Store and Forward Automatic Data (e.g. Winlink)
- 14285 kHz – VOICE/ SSB QRP
- 14300 kHz – Emergency Calling Frequency (IARU Region 3 Supported) including WICEN

17m Band

18068 – 18168 kHz – Primary Service - Advanced Licensees Only

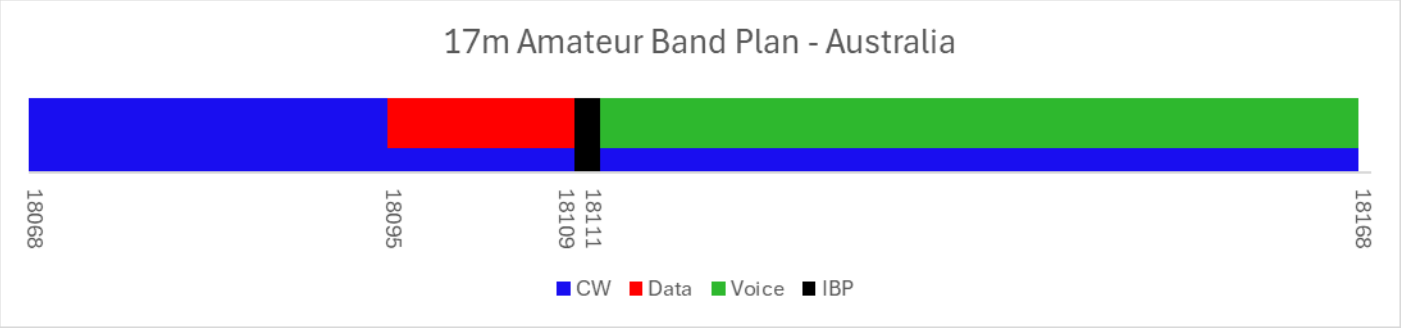
Spectrum Users

18068 – 18168 kHz

- **AMATEUR – EXCLUSIVE**

Amateur Band Plan

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
18068	**18095**	**CW**	< 500 Hz	**Priority**	
18095	**18109**	**DATA** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	
18109	**18111**	**IBP BEACONS**	< 500 Hz	**Priority**	
18111	**18168**	**VOICE** *CW*	< 3 kHz <500 Hz	**Priority** *Shared*	Highest usable USB (SSB) dial frequency 18165 kHz



Centres of Activity

- 18095 kHz – FT8 DXpedition Mode
- 18100 kHz – FT8 Global Primary
- 18104 kHz – FT4 Global Primary
- 18106.0 – 18106.2 kHz – WSPR (USB Dial 18104.6)
- 18110.0 kHz – International CW Beacon Network (Time shared)
- 18160 kHz – IARU R3 Emergency Calling (including WICEN)

15m Band

21000 – 21450 kHz – Primary Service - All Licence Classes

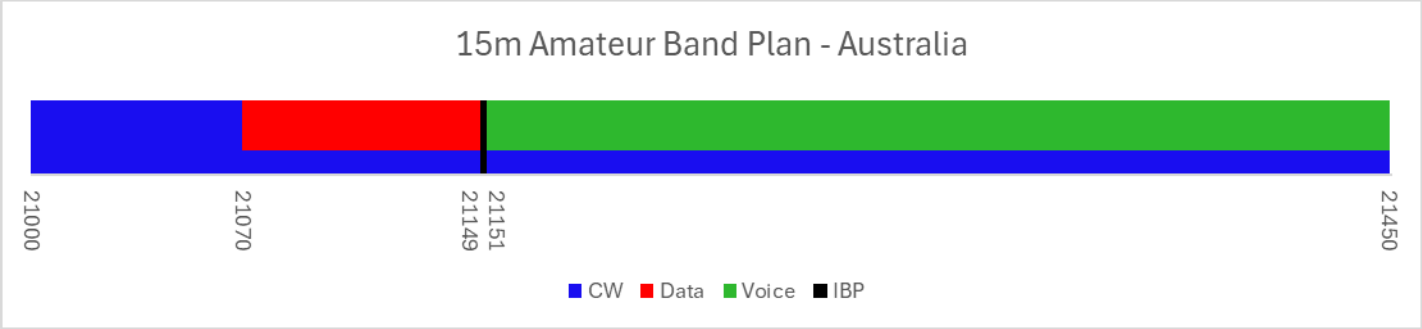
Spectrum Users

21000 – 21450 kHz

- **AMATEUR – EXCLUSIVE**
- **AMATEUR SATELLITE - EXCLUSIVE**

Amateur Band Plan

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
21000	**21070**	**CW**	< 500 Hz	**Priority**	
21070	**21149**	**DATA** *CW*	< 3 kHz *< 500 Hz*	**Priority** *Shared*	
21149	**21151**	**IBP BEACONS**	< 500 Hz	**Priority**	
21151	**21450**	**VOICE** *CW*	< 3 kHz *< 500 Hz*	**Priority** *Shared*	Highest usable USB (SSB) dial frequency 21447 kHz



Centres of Activity

- 21060 kHz – CW QRP
- 21070 – 21074 kHz – PSK/Olivia/Weak signal digital
- 21074 kHz – FT8 Global Primary
- 21090 kHz – FT8 DXPedition frequency
- 21096.0 – 21096.2 kHz – WSPR (USB Dial 21094.6)
- 21140 kHz – FT4 Global Primary
- 21150.0 kHz – International CW Beacon Network (Time shared)
- 21340 kHz – SSTV
- 21360 kHz – IARU R3 Emergency Calling including WICEN
- 21385 kHz – SSB/VOICE QRP

12m Band

24890 – 24990 kHz – Primary Service - Advanced Licensees Only

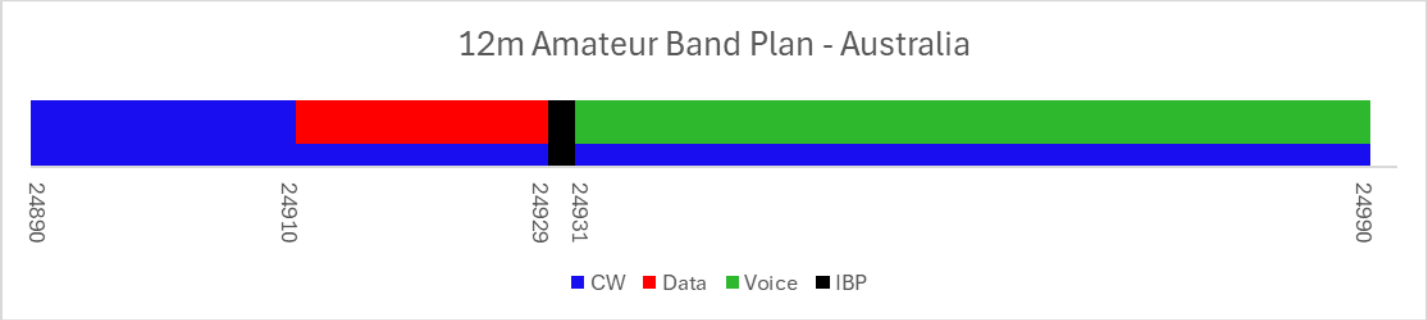
Spectrum Users

24890 – 24990 kHz

- AMATEUR – EXCLUSIVE
- AMATEUR SATELLITE - EXCLUSIVE

Amateur Band Plan

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
24890	**24910**	**CW**	< 500 Hz	**Priority**	
24910	**24929**	**DATA** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	
24929	**24931**	**IBP BEACONS**	< 500 Hz	**Priority**	
24931	**24990**	**VOICE** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	Highest usable dial frequency 24987 kHz



Centres of Activity

- 24911 kHz – FT8 DXpedition Primary
- 24915 kHz – FT8 Global Primary
- 24919 kHz – FT4 Global Primary
- 24930.0 kHz – International CW Beacon Network (Time shared)
- 24926.0 – 24926.2 kHz – WSPR – (USB Dial 24924.6 kHz)
- 24950 kHz – Emergency Calling Frequency (WICEN)

10m Band

28000 – 29700 kHz – Primary Service - All Licensees

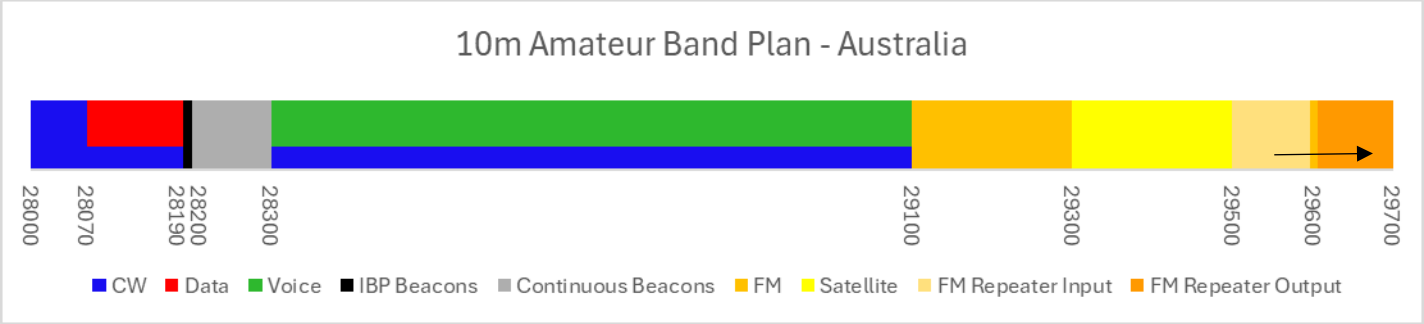
Spectrum Users

28000 – 29700 kHz

- AMATEUR – EXCLUSIVE
- AMATEUR SATELLITE - EXCLUSIVE

Amateur Band Plan

Lower (kHz)	*Upper (kHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
28000	**28070**	**CW**	< 500 Hz	**Priority**	
28070	**28190**	**DATA** *CW*	< 3 kHz *< 500 Hz*	**Priority** *Shared*	
28190	**28200**	**BEACONS (Time Shared)**	< 500 Hz	**Priority**	
28200	**28300**	**BEACONS (Continuous)**	< 500 Hz	**Priority**	
28300	**29100**	**VOICE / Image (Narrowband) (e.g. SSB)** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	(Highest USB dial 29097 kHz)
29100	**29300**	**VOICE (Analogue or Digital) (Wideband)**	<16 kHz	**Priority**	
29300	**29510**	**SATELLITE**		**Priority**	
29510	**29590**	**VOICE (Analogue) REPEATER Input**	<16 kHz	**Priority**	FM Mode 100 kHz offset
29590	**29610**	**VOICE (Analogue) SIMPLEX**	<16 kHz	**Priority**	
29610	**29700**	**VOICE (Analogue) REPEATER Output**	<16 kHz	**Priority**	FM Mode 100 kHz offset



Centres of Activity

- 28060 kHz – CW QRP
- 28070 – 28074 kHz – PSK/Olivia/Weak signal digital
- 28074 kHz – FT8 Global Primary
- 28126.0 – 28126.2 kHz – WSPR (USB Dial 28124.6 kHz)
- 28180 kHz – FT4 Global Primary
- 28200.0 kHz – International CW Beacon Network (Time Shared)
- 28330 kHz – Digital VOICE (Narrowband)
- 28360 kHz – VOICE QRP
- 28450 kHz –Emergency Communications (WICEN) Australia Domestic
- 28680 kHz – SSTV

6m Band

50 - 52 MHz Secondary Service - Standard and Advanced Licensees

52 - 54 MHz Primary Service - Standard and Advanced Licensees

Spectrum Users

SECONDARY SERVICE:
Amateurs must not cause Harmful Interference.
Amateurs must accept Interference from the Primary user.

50.000 – 52.000 MHz

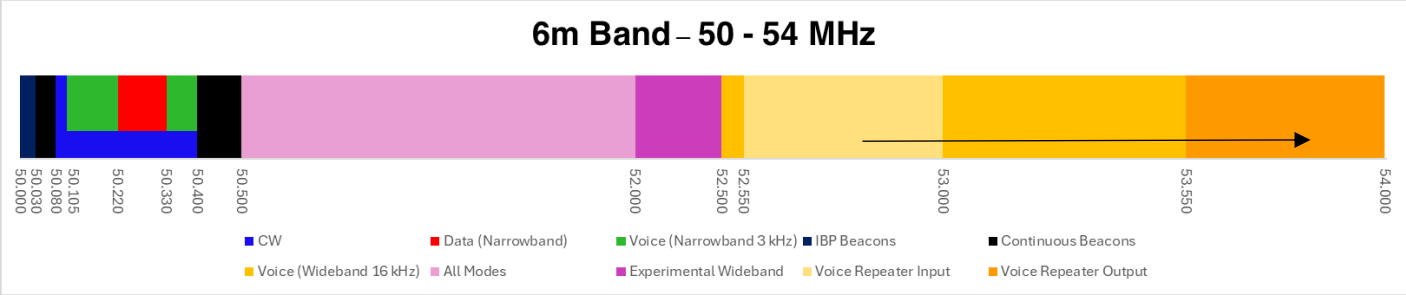
- **BROADCASTING – Primary** (note Defence has allocations across this portion of the band)
- *Amateur – Secondary*

52.000 – 54.000 MHz

- **AMATEUR – Exclusive**

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
50.0000	**50.0300**	**BEACONS (IBP Time Coordinated)**	< 500 Hz	**Exclusive**	
50.0300	**50.0800**	**BEACONS (International)**	< 500 Hz	**Priority**	
50.0800	**50.1050**	**CW**	< 500 Hz	**Priority**	
50.1050	**50.2200**	**VOICE (Narrowband) (e.g. SSB)** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	
50.2200	**50.3300**	**DATA (Narrowband)**	< 3 kHz	**Priority**	
50.3300	**50.4000**	**VOICE (Narrowband)** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	
50.4000	**50.5000**	**BEACONS (Domestic 24x7)**	< 500 Hz	**Exclusive**	
50.5000	**52.0000**	**ALL MODES**	< 8kHz	**Priority**	
52.0000	**52.5000**	**ALL MODES (Experimental Wideband)**	< 500 kHz	**Priority**	
52.5000	**52.5375**	**VOICE (Analogue) SIMPLEX**	< 25 kHz	**Priority**	
52.5375	**53.0000**	**VOICE (Analogue) REPEATER Input**	< 25 kHz	**Priority**	
53.0000	**53.5500**	**VOICE (Analogue or Digital) SIMPLEX**	< 25 kHz	**Priority**	
53.5500	**54.0000**	**VOICE (Analogue) REPEATER Output**	< 25 kHz	**Priority**	



The FM repeater TX/RX offset is 1 MHz (negative offset), and the channel spacing is 25 kHz.
Six repeater channels are allocated exclusive use in the following call areas:
52.750 / 53.750 - VK5/8
52.800 / 53.800 - VK6
52.825 / 53.825 - VK7
52.900 / 53.900 - VK3
52.850 / 53.850 - VK2
52.950 / 53.950 - VK4
The remaining channels are available for use in any call area. Repeater channels are co-ordinated nationally to reduce the possibility of excessive interstate sporadic E interference.

Centres of Activity

- 50.090 MHz – International CW Calling Frequency
- 50.110 MHz – International SSB Calling Frequency
- 50.150 MHz – National SSB Calling Frequency
- 50.223 MHz – Q65 EME Global Expedition
- 50.230 MHz – FSK441 Meteor Scatter
- 50.276 MHz – JT65 / Q65 Global Primary
- 50.2946 – 50.2948 MHz – WSPR (USB Dial 50.293 MHz)
- 50.313 MHz – FT8 Global Primary
- 50.323 MHz – FT8 Global Secondary
- 52.000 – 52.500 MH – ALL Modes Experimental – suitable for narrowband DVB-T ATV (<300kHz)
- 52.050 MHz – APRS AX.25 AFSK
- 52.525 MHz – International FM Call Channel
- 53.100 MHz – AM Centre of Activity
- 53.150 MHz – WICEN Emergency Communications
- 53.300 MHz – ARDF Centre of Activity

2m Band

144 – 148 MHz – Primary Service - All License Classes

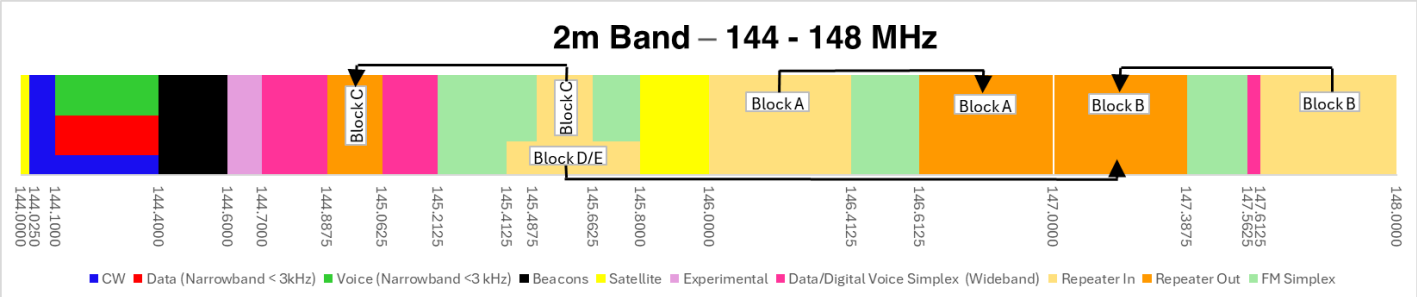
Spectrum Users

144.000 – 148.000 MHz

- AMATEUR – Exclusive
- AMATEUR SATELLITE – Primary

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
144.0000	**144.0250**	**SATELLITE**		**Exclusive**	
144.0250	**144.1000**	**CW**		**Priority**	
144.1000	**144.4000**	**VOICE (Narrowband) (e.g. SSB)** *Data* *CW*	*< 3 kHz* *< 3 kHz* *< 500 Hz*	**Priority** *Shared* *Shared*	
144.4000	**144.6000**	**BEACONS**		**Exclusive**	
144.6000	**144.7000**	**ALL MODES**		**Priority**	
144.7000	**144.8875**	**DATA** *VOICE (Digital Only modulation) SIMPLEX*	*< 25 kHz*	**Priority** *Shared*	
144.8875	**145.0625**	**VOICE (Digital Only modulation) REPEATER Output** *DATA REPEATER Output*	*< 12.5 kHz* *< 12.5 kHz*	**Priority** *Shared*	*(REPEATER Block C)* *(REPEATER Block C)*
145.0625	**145.2125**	**VOICE (Digital Only modulation) SIMPLEX** *DATA*	*< 25 kHz* *< 12.5 kHz*	*Priority* *Shared*	
145.2125	**145.4125**	**VOICE (Analogue) SIMPLEX**	*< 25 kHz*	**Priority**	
145.4125	**145.4875**	**VOICE (Analogue) SIMPLEX** *VOICE (Analogue or Digital) REPEATER Input*	*< 25 kHz* *< 25 kHz*	**Priority** *Shared*	*(REPEATER Block E1 special circumstances only)*
145.4875	***145.6625***	**VOICE (Digital Only modulation) REPEATER Input** *DATA REPEATER Input* *VOICE (Analogue or Digital) REPEATER Input*	*< 12.5 kHz* *< 12.5 kHz* *< 25 kHz*	**Priority** *Shared* *Shared*	*(REPEATER Block C)* *(REPEATER Block C)* *(REPEATER Block D special circumstances only)*
145.6625	**145.8000**	**VOICE (Analogue) SIMPLEX** *VOICE (Analogue or Digital) REPEATER Input*	*< 25 kHz* *< 25 kHz*	*Priority* *Shared*	*(REPEATER Block E2 on special circumstances only)*
145.8000	**146.0000**	**SATELLITE**		**Exclusive**	
146.0000	**146.4125**	**VOICE (Analogue or Digital) REPEATER Input**	*< 25 kHz*	*Priority*	*(REPEATER Block A)*
146.4125	**146.6125**	**VOICE (Analogue) SIMPLEX**	*< 25 kHz*	**Priority**	
146.6125	**147.0125**	**VOICE (Analogue or Digital) REPEATER Output**	*< 25 kHz*	**Priority**	*(REPEATER Block A)*
147.0125	**147.0875**	**VOICE (Analogue or Digital) REPEATER Output** *VOICE (Analogue or Digital) REPEATER Output*	*< 25 kHz* *< 25 kHz*	**Priority** *Shared*	*(REPEATER Block B) + (REPEATER Block E1 on special circumstances only)*
147.0875	**147.2625**	**VOICE (Analogue or Digital) REPEATER Output** *VOICE (Analogue or Digital) REPEATER Output*	*< 25 kHz* *< 25 kHz*	*Priority* *Shared*	*(REPEATER Block B) + (Block D on special circumstances only)*
147.2625	**147.3875**	**VOICE (Analogue or Digital) REPEATER Output** *VOICE (Analogue or Digital) REPEATER Output*	*< 25 kHz* *< 25 kHz*	*Priority* *Shared*	*(REPEATER Block B) + (Block E2 on special circumstances only)*
147.3875	**147.5625**	**(Analogue) SIMPLEX**	*< 25 kHz*	**Priority**	
147.5625	**147.6125**	**DATA** **VOICE (Analogue or Digital) SIMPLEX**	*< 25 kHz*	**Priority**	
147.6125	**148.0000**	**VOICE (Analogue or Digital) REPEATER Input** (Block B)	*< 25 kHz*	**Priority**	*(REPEATER Block B)*
Note:	Block D, E1 and E2 repeater input frequency allocations are "Shared" with priority simplex and data repeater channels. These are only for use when a co-site 3rd order intermodulation check FAILS against a co-site commercial service in the 148-174 MHz band. ***No -1.6 MHz offset repeaters shall be allocated in circumstances where a 600 kHz repeater offset would have worked.***				



Centres of Activity

- 144.100 MHz – National SSB Calling Frequency
- 144.110-144.200 – Q65/JT65 Data (Earth-Moon-Earth) international
- 144.174 MHz – FT8 Data domestic
- 144.200 MHz – New Zealand SSB Calling Frequency
- 144.230 MHz – MSK441 Meteor Scatter Data
- 144.4904 – 144.4906 MHz – WSPR (USB Dial 144.489 MHz)
- 144.700 - 144.8875 MHz - Digital VOICE Hotspot sub-bands
- 144.750 MHz – SIMPLEX High Power hotspot area coverage (digital voice modes)
- 145.175 MHz – National AX.25 APRS
- 145.200 MHz – National AX.25 WICEN APRS
- 145.250 MHz – CW Training and News Beacons (Modulated FM)
- 145.300 MHz – National ARDF Frequency
- 145.325 MHz – SIMPLEX Internet voice gateways (e.g. Echolink)
- 145.350 MHz – SIMPLEX Internet voice gateways (e.g. Echolink)
- 145.375 MHz – SIMPLEX Internet voice gateways (e.g. Echolink)
- 145.650 MHz – Legacy CW Training and News Beacons (Modulated FM)
- 145.700 MHz – National Secondary ARDF Frequency
- 146.500 MHz – National FM SIMPLEX Call Channel
- 147.400 MHz – ATV Liaison
- 147.525 MHz – SIMPLEX Internet voice gateways (e.g. Echolink)
- 147.550 MHz – SIMPLEX Internet voice gateways (e.g. Echolink)
- 147.575 MHz – AX.25 DATA
- 147.600 MHz – AX.25 DATA

70cm Band

430 – 450 MHz – Secondary Service - All Licensees

Spectrum Users

430.000 – 450.000 MHz

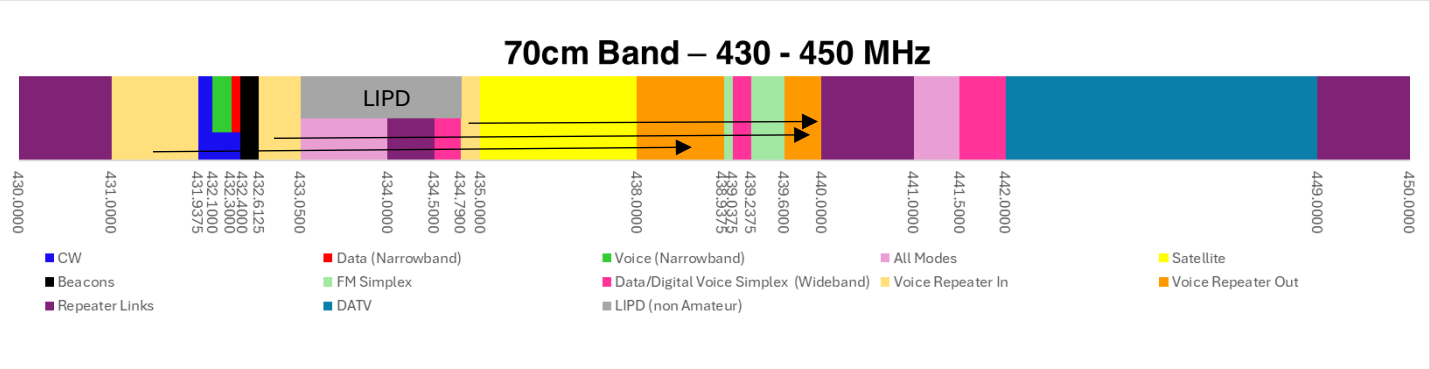
- **RADIOLOCATION – Primary**
  (AUS101A - This service is designated to be used principally for the purposes of defence and national security. The Department of Defence is normally consulted in considering non-defence use of this service.)
- *Amateur – Secondary*
- *Amateur Satellite – Secondary 435 – 438 MHz (Footnote)*

SECONDARY SERVICE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

NOTE: Amateur Radio is not afforded protection from LIPD users in the 433.050-434.790 MHz Sub-band.

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
430.0000	**431.0000**	**REPEATER LINKS (Block A)**	< 16 kHz	**Priority**	
431.0000	**431.9375**	**VOICE (Analogue or Digital) REPEATER Input**	< 16 kHz	**Priority**	REPEATER Block A -7 MHz Offset
431.9375	**432.1000**	**CW**	< 500 Hz	**Priority**	
432.1000	**432.3000**	**VOICE (Narrowband)** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	
432.3000	**432.4000**	**DATA (Narrowband)** *CW*	< 3 kHz < 500 Hz	**Priority** *Shared*	
432.4000	**432.6000**	**BEACONS**	< 500 Hz	**Exclusive**	
432.6000	**433.0500**	**VOICE (Analogue or Digital) REPEATER Input**	< 16 kHz	**Priority**	REPEATER Block B -7 MHz Offset
Low Interference Potential Devices Licence Sub-Band					
433.0500	**434.0000**	**ALL MODES**		No protection granted by ACMA against LIPD interference	
434.0000	**434.5000**	**REPEATER LINKS (Block D)**	< 16 kHz		
434.5000	**434.7900**	**VOICE (Digital Low Power Hotspot) Input**	< 16 kHz		
434.7900	**435.0000**	**VOICE (Analogue or Digital) REPEATER Input**	< 16 kHz	**Priority**	REPEATER Block B (alt) -5 MHz Offset
435.0000	**438.0000**	**AMATEUR SATELLITE**		**Exclusive**	
438.0000	**438.9375**	**VOICE (Analogue or Digital) REPEATER Output**	< 16 kHz	**Priority**	REPEATER Block A -7 MHz Offset
438.9375	**439.0375**	**VOICE (Analogue) SIMPLEX**	< 16 kHz	**Priority**	
439.0375	**439.2375**	**VOICE (Digital) SIMPLEX**	< 16 kHz	**Priority**	
439.2375	**439.6125**	**VOICE (Analogue) SIMPLEX**	< 16 kHz	**Priority**	
439.6125	**439.7900**	**VOICE (Analogue or Digital) REPEATER Output**	< 16 kHz	**Priority**	REPEATER Block B -7 MHz Offset
439.7900	**440.0000**	**VOICE (Analogue or Digital) REPEATER Output**	< 16 kHz	**Priority**	REPEATER Block B Either -7 MHz or -5 MHz Offset
440.0000	**441.0000**	**REPEATER LINKS (Block B)**	< 16 kHz	**Priority**	Link Block B
441.0000	**441.5000**	**ALL MODES**	< 16 kHz	**Priority**	
441.5000	**441.7900**	**VOICE (Digital Low Power Hotspot) Output**	< 16 kHz	**Priority**	*Paired with 434.5-434.79*
441.8000	**442.0000**	**VOICE (Digital Low Power Hotspot) SIMPLEX**	< 16 kHz	**Priority**	
442.0000	**449.0000**	**AMATEUR TELEVISION (Digital DVB-T)**	< 7 MHz	**Priority**	7 MHz BW Maximum
442.000	449.000	DVB Channel 1 – 445.500 MHz			
449.0000	**450.0000**	**REPEATER LINKS (Block C)**	< 16 kHz	**Priority**	Link Block C



Centres of Activity

- 432.000 – 432.100 MHz – EME Activity
- 432.100 MHz – Domestic SSB Call Channel
- 432.313 MHz – Domestic FT8
- 438.950 MHz – WICEN FM (Analogue)
- 439.000 MHz – National FM (Analogue) Call Channel
- 439.100 MHz – National 70cm ARPS Channel
- 439.125 MHz – SIMPLEX Internet voice gateways (e.g. Echo link)
- 439.150 MHz – SIMPLEX Internet voice gateways (e.g. Echo link)
- 439.200 MHz – VOICE Digital Call Channel
- 439.400 MHz – ARDF Channel
- 445.500 MHz – DVB-T ATV Channel 1

23cm Band

1240 – 1300 MHz – Secondary Service - Standard and Advanced Licensees

Spectrum Users

1240.000 – 1300.000 MHz

- **EARTH EXPLORATION SATELLITE – Primary**
- **RADIOLOCATION – Primary**
- **RADIONAVIGATION – SATELLITE – Primary**
- **SPACE RESEARCH – Primary**
- *Amateur – Secondary*
- *Amateur Satellite – Secondary 1260–1270 MHz (Footnote)*

SECONDARY SERVICE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

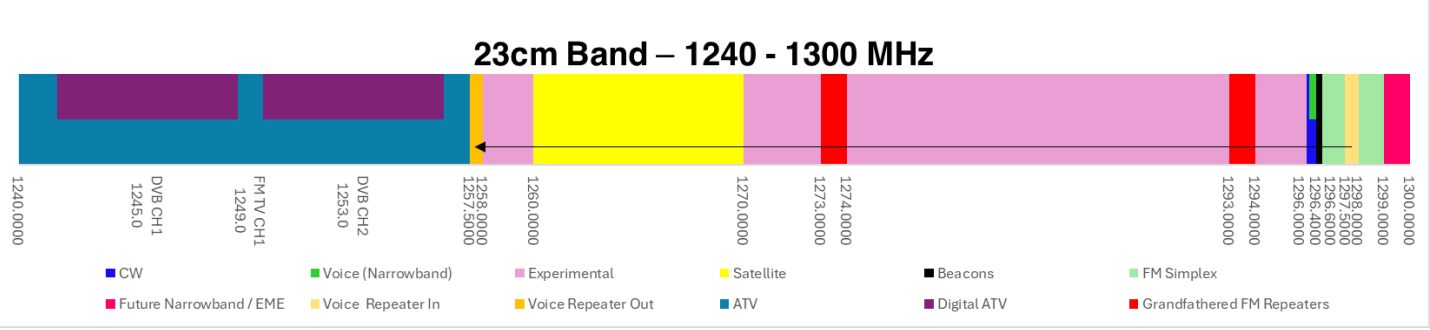
AUS101: This band is designated to be used principally for the purposes of defence and national security. The Department of Defence is normally consulted in considering non-defence use of this band.

ITU 5.332A: defines restrictions that will come into force if interference to GNSS services by amateur stations is reported.

RADIO ASTRONOMY: Beware of causing interference to CSIRO facilities at Narrabri, Parkes, Coonabarabran (NSW), Mt Pleasant (Tas), Ceduna (SA), Murchison (WA), Tidbinbilla (ACT)

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
1240.000	**1257.500**	**AMATEUR TELEVISION**	< 7 MHz	**Priority**	**(Analogue) shares with digital**
1241.500	1248.500	DVB Channel 1 (1245 MHz centre)	< 7 MHz		
1249.500	1256.500	DVB Channel 2 (1253 MHz centre)	< 7 MHz		
1240.000	1257.500	FM-ATV Channel 1 (1249 MHz centre)	< 18 MHz		
1257.500	**1258.000**	**VOICE (Analogue or Digital) REPEATER Output**	< 25 kHz	**Priority**	
1258.000	**1260.000**	*Experimental*		Be aware of the risk of causing interference to the global satellite navigation service (GNSS) and in particular the Galileo Satellite system earth-based receivers when using this band segment	
1260.000	**1270.000**	**AMATEUR SATELLITE**			
1270.000	**1273.000**	*Experimental*			
1273.000	**1274.000**	*VOICE (Analogue or Digital) REPEATER Output (Legacy – no new services – paired with 1293-1294 MHz)*	< 25 kHz		
1274.000	**1293.000**	*Experimental*			
1293.000	**1294.000**	*VOICE (Analogue or Digital) REPEATER Input (Legacy – no new services - paired with 1273-1274 MHz)*	< 25 kHz		
1294.000	**1296.000**	*Experimental*	< 25 kHz		
1296.000	**1296.100**	**CW** *DATA (Narrowband)*	< 500 Hz < 3 kHz	**Priority** *Shared*	
1296.100	**1296.400**	**VOICE (Narrowband) e.g. SSB** *DATA (Narrowband)*	< 3kHz < 3 kHz	**Priority** *Shared*	
1296.400	**1296.600**	**BEACONS**	< 500 Hz	**Priority**	
1296.600	**1297.500**	**VOICE (Analogue or Digital) SIMPLEX**	< 25 kHz	**Priority**	
1297.500	**1298.000**	**VOICE (Analogue or Digital) REPEATER Input**	< 25 kHz	**Priority**	
1298.000	**1299.000**	**VOICE (Analogue or Digital) SIMPLEX**	< 25 kHz	**Priority**	
1299.000	**1300.000**	**EME Moon bounce** *(aligned with Region 1)* **FUTURE Narrowband VOICE Segment**	< 500 Hz	**Priority**	



NOTE: ITU WRC 2024 put in place the potential for severe restrictions to be applied to amateur service use of the 23cm band if interference complaints, because of amateur service activity, are reported to ACMA by the Global Navigation Satellite Service (GNSS). While we understand that no interference impacts to the primary spectrum users of this band, to date, have been reported in Australia, these new ITU guidelines, if triggered, risk the imposition of substantial power restrictions to Amateur Radio activity across the 1258-1296 MHz segment of the 23cm band.

Centres of Activity

- Amateur Television
    - 1249.000 – FM (Analogue) ATV Channel 1 (+/- 9MHz deviation Maximum)
    - 1245.000 – DVB Digital ATV Channel 1
    - 1253.000 – DVB Digital ATV Channel 2
- 1296.000 – 1296.100 MHz – CW/Digital Modes
- 1296.100 MHz – Narrowband VOICE (SSB) Call Channel
- 1296.300 MHz – 1296.400 – Narrowband Data Modes (DX / Weak Signal)
- 1297.400 MHz – ARDF Beacons and Activity
- 1297.000 MHz – VOICE (Analogue) Call Channel (FM 25 kHz)
- 1299.000 – 1300.000 MHz – Future Narrowband EME Segment (for international alignment)
    - 1299.000-1299.200 MHz – EME Activity (particularly with ITU Region 1)

13cm Band

2300 – 2302 MHz – Secondary Service - Advanced Licensees only

2400 – 2450 MHz – Secondary Service - Advanced and Standard Licensees only

Spectrum Users

2300.000 – 2302.000 MHz
2400.000 – 2450.000 MHz

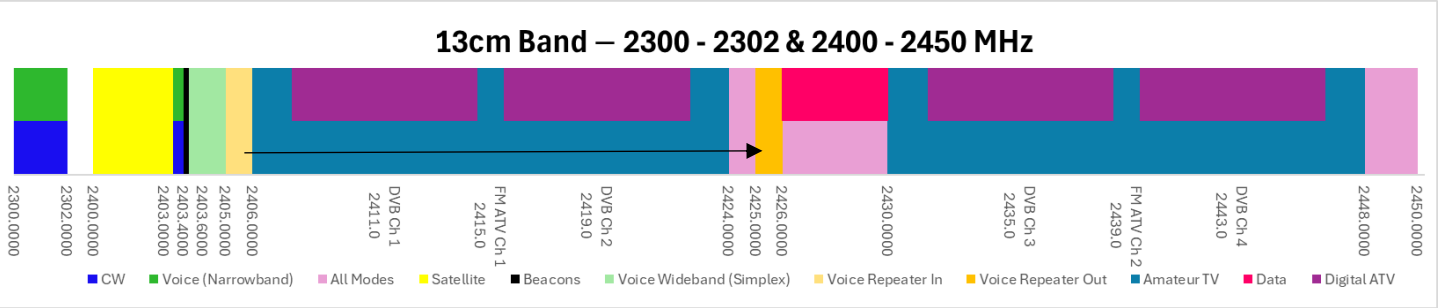
SECONDARY SERVICE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

RADIO ASTRONOMY: Beware of causing interference to CSIRO facilities at Narrabri, Parkes, Coonabarabran (NSW), Mt Pleasant (Tas), Ceduna (SA), Murchison (WA), Tidbinbilla (ACT)

- **FIXED – Primary**
- **MOBILE – Primary**
- **RADIOLOCATION – Primary**
- **INDUSTRIAL SCIENTIFIC MEDICAL** *(Footnote 150)*
- *Amateur – Secondary*
- *Amateur Satellite – Secondary 2400–2450 MHz (Footnote 282)*

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
2300.000	**2302.000**	**NARROW BAND MODES**	**< 3 kHz**	**Priority**	
2400.000	**2403.000**	**AMATEUR SATELLITES**		**Priority**	
2403.000	**2403.100**	**MOON BOUNCE (EME) CW** *DATA*	< 500 Hz < 500 Hz	**Priority** *Shared*	
2403.100	**2403.400**	**VOICE (Narrowband)** *DATA*	< 3kHz < 3kHz	**Priority** *Shared*	
2403.400	**2403.600**	**BEACONS**	< 500 Hz	**Priority**	
2403.600	**2405.000**	**VOICE (Analogue or Digital) SIMPLEX**	< 25 kHz	**Priority**	
2405.000	**2406.000**	**VOICE (Analogue or Digital) REPEATER Input**	**< 25kHz**	**Priority**	(20 MHz Offset)
2406.000	**2424.000**	**AMATEUR TELEVISION**		**Priority**	
2407.500	*2414.500*	*DVB CHANNEL 1 – 2411 MHz*	*< 7 MHz*		
2415.500	*2422.500*	*DVB CHANNEL 2 – 2419 MHz*	*< 7 MHz*		
2406.000	*2424.000*	*FM-ATV Channel 1 – 2415 MHz*	*< 18MHz*		
2424.000	**2425.000**	**ALL MODES**		**Priority**	
2425.000	**2426.000**	**VOICE (Analogue or Digital) REPEATER Output**	**<25 kHz**	**Priority**	(20 MHz Offset)
2426.000	**2430.000**	**DATA (WIDEBAND)**	< 5 MHz	**Priority**	
2430.000	**2448.000**	**AMATEUR TELEVISION**		**Priority**	
2431.500	*2438.500*	*DVB CHANNEL 3 – 2435 MHz*	*< 7 MHz*		
2439.500	*2446.500*	*DVB CHANNEL 4 – 2443 MHz*	*< 7 MHz*		
2406.000	*2424.000*	*FM-ATV Channel 2 – 2439 MHz*	*< 18MHz*		
2448.000	**2450.000**	**ALL MODES**	< 2 MHz	**Priority**	***NEW***



Centres of Activity

- 2403.000 – 2403.100 MHz – EME Moon bounce
- 2403.100 MHz – Narrowband VOICE (SSB) Call Channel
- 2403.300 MHz – 2403.400 – Narrowband Data Modes (DX / Weak Signal)
- 2404.000 MHz – (Analogue) VOICE Call Channel (FM 25 kHz)
- 2404.100 MHz – ARDF Beacons and Activity
- Amateur Television (Centre frequency)
    - 2411.000 – DVB ATV Channel 1
    - 2415.000 – FM ATV Channel 1
    - 2419.000 – DVB ATV Channel 2
    - 2435.000 – DVB ATV Channel 3
    - 2439.000 – FM ATV Channel 2
    - 2443.000 – DVB ATV Channel 4

9cm Band

3300 – 3400 MHz – Secondary Service - Advanced Licensees only

3400 – 3600 MHz – Restricted Geographic Access – Advanced Licensees only

Spectrum Users

3300.000 – 3400.000 MHz

- **RADIOLOCATION – Primary** *(AUS100A – Defence Band)*
- *Amateur – Secondary*
- *Radio Astronomy - ITU Footnote 5.149*

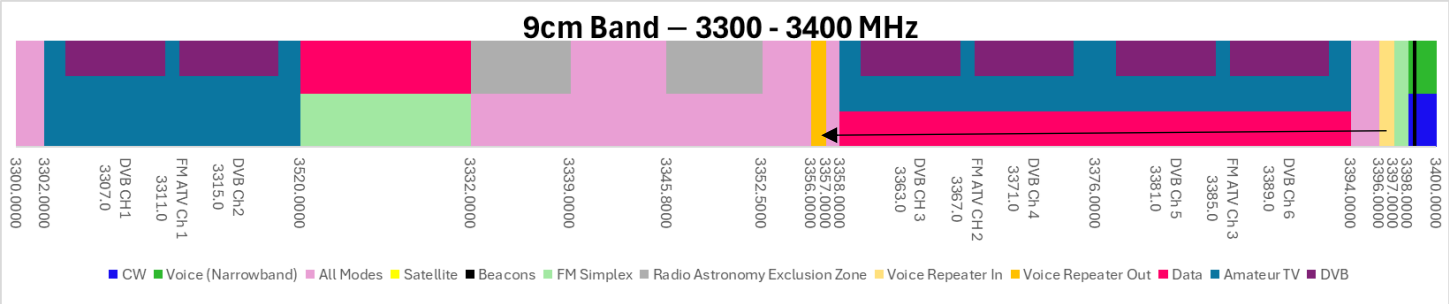
SECONDARY SERVICE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

This band is primarily used by Defence for radars.

RADIO ASTRONOMY: Beware of causing interference to CSIRO facilities at Narrabri, Parkes, Coonabarabran (NSW), Mt Pleasant (Tas), Ceduna (SA), Murchison (WA), Tidbinbilla (ACT). A 250km buffer zone is required around these sites in the 3332–3339 MHz and 3345.8–3352.5 MHz sub-band

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
3300.000	**3302.000**	**ALL MODES**		Priority	
3302.000	**3320.000**	**AMATEUR TELEVISION**		Priority	
3303.5	*3310.5*	*DVB ATV Channel 1 – 3307 MHz*	*< 7 MHz*		
3311.5	*3318.5*	*DVB ATV Channel 2 – 3315 MHz*	*< 7 MHz*		
3302.0	*3320.0*	*FM ATV Channel 1 – 3311 MHz*	*< 18 MHz*		
3320.000	**3332.000**	**Data (Wideband)** *VOICE (Digital or (Analogue) (Wideband)*	< 12 MHz	Priority Shared	
3332.000	***3339.000***	***RADIO ASTRONOMY PRIMARY*** ***ALL MODES (outside of exclusion zones)***		*Primary* *Secondary*	*Within 250km of named radio astronomy sites*
3339.000	3345.800	**ALL MODES**		Priority	
3345.800	***3352.500***	***RADIO ASTRONOMY PRIMARY*** ***ALL MODES (outside of exclusion zones)***		*Primary* *Secondary*	*Within 250km of named radio astronomy sites*
3352.500	**3356.000**	**ALL MODES**		Priority	
3356.000	**3357.000**	**VOICE (Analogue or Digital) REPEATER Output**	<25 kHz	Priority	(40 MHz Offset)
3357.000	**3358.000**	**ALL MODES**		Priority	
3358.000	**3376.000**	**AMATEUR TELEVISION** *Data (Wideband)*	< 20 MHz	Priority Shared	
3359.5	*3366.5*	*DVB ATV Channel 3 – 3363 MHz*	*< 7 MHz*		
3367.5	*3374.5*	*DVB ATV Channel 4 – 3371 MHz*	*< 7 MHz*		
3358.0	*3376.0*	*FM ATV Channel 2 – 3367 MHz*	*< 18 MHz*		
3376.000	**3394.000**	**AMATEUR TELEVISION** *Data (Wideband)*	< 20 MHz	Priority Shared	
3377.5	*3384.5*	*DVB ATV Channel 5 – 3381 MHz*	*< 7 MHz*		
3385.5	*3392.5*	*DVB ATV Channel 6 – 3389 MHz*	*< 7 MHz*		
3376.0	*3394.0*	*FM ATV Channel 3 – 3385 MHz*	*< 18 MHz*		
3394.000	**3396.000**	**ALL MODES**		Priority	
3396.000	**3397.000**	**VOICE (Analogue or Digital) REPEATER Input**	< 25 kHz	Priority	(40 MHz Offset)
3397.000	**3398.000**	**VOICE (Analogue or Digital) SIMPLEX – Wideband**	<150 kHz	Priority	
3398.000	**3398.400**	**CW** **VOICE (Narrowband)**	< 500 Hz < 3 kHz	Shared Shared	
3398.400	**3398.600**	**BEACONS**	< 500 Hz	Priority	
3398.600	**3400.000**	**ALL MODES**	< 2 MHz	Priority	
3400.000	***3600.000***	***RESTRICTED*** All Modes			Geographic Restrictions in place on this band segment.



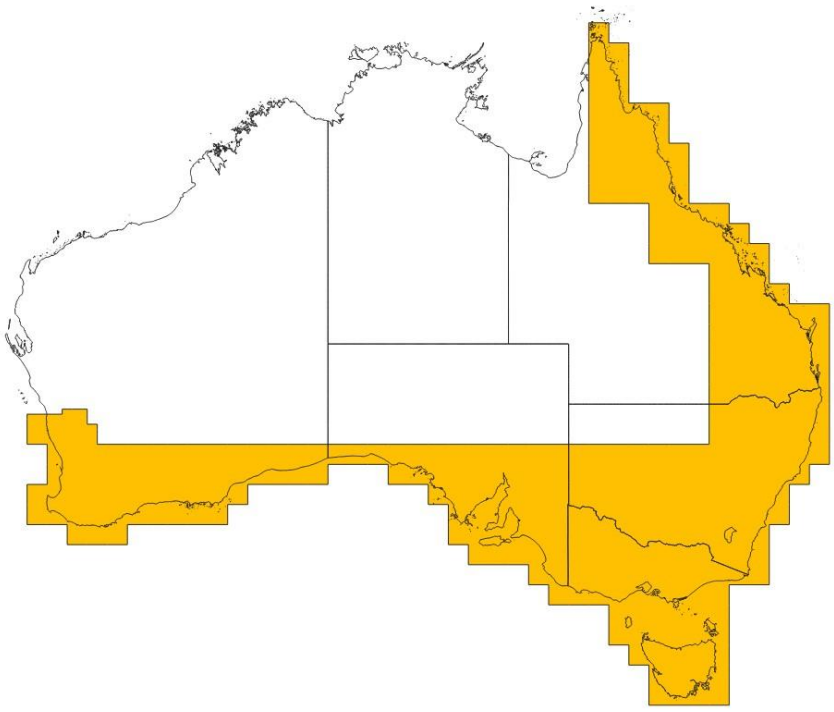
Centres of Activity:

Amateur Television	Others
• 3307.000 – DVB Channel 1 • 3315.000 – DVB Channel 2 • 3363.000 – DVB Channel 3 • 3371.000 – DVB Channel 4 • 3381.000 – DVB Channel 5 • 3389.000 – DVB Channel 6 • 3311.000 – FM ATV Channel 1 • 3367.000 – FM ATV Channel 2 • 3385.000 – FM ATV Channel 3	• 3397.300 MHz – ARDF Beacons and Activity • 3397.500 MHz – (Analogue) VOICE Call Channel (FM 25 kHz) • 3398.100 MHz – Narrowband VOICE (SSB) Call Channel • 3398.300 – 3398.400 MHz – Narrowband Data Modes (DX / Weak Signal) • 3398.400 – 3398.600 MHz – Beacon Sub-band • 3399.000 – 3400.000 MHz – EME Moon bounce (split frequency operation)

Band Notes:

1) The Amateur service allocation between 3400-3600 MHz has been withdrawn for most of the populated parts of Australia, and in the remaining areas, is only made available on a secondary basis, with Wireless Broadband Point-To-Multipoint services having priority.

Exclusion Zone (Orange) – No Amateur Service access to 3400 – 3600 MHz



While the Class licence still lists this band outside of the exclusion zone, access is subject to a requirement not to cause harmful interference to the primary spectrum users. Due to the nature of these restrictions, the WIA recommends that any activity on this band take place solely within 3300-3400 MHz

6cm Band

5650 – 5850 MHz – Secondary Service Advanced & Standard Licensees

Spectrum Users

5650.000 – 5725.000 MHz

- **RADIOLOCATION – Primary** *(AUS101A – Defence Band)*
- *MOBILE Primary 446A 450A*
- *Amateur – Secondary*
- *Space Research (deep space) 282 AUS87*

5725.000 – 5850.000 MHz 150 AUS87 AUS96

- **RADIOLOCATION – Primary** *(AUS101A – Defence Band)*
- **INDUSTRIAL SCIENTIFIC MEDICAL**
- *Amateur – Secondary*

5830.000 – 5850.000 MHz

- *Amateur-satellite (Space to earth) – Secondary*

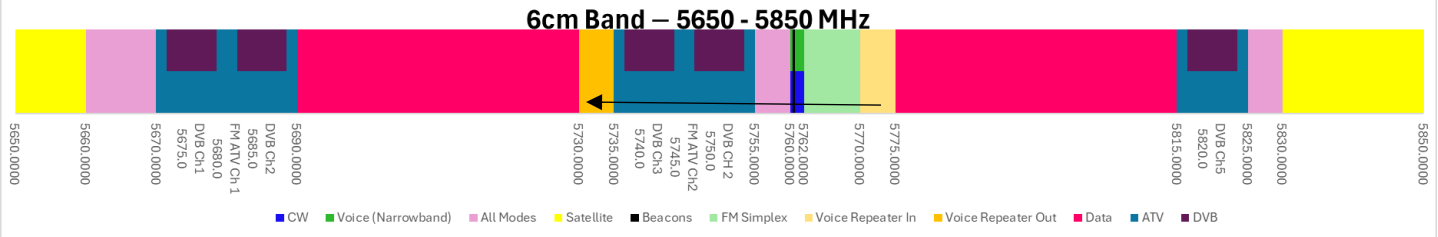
SECONDARY SERVICE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

This band is primarily used by Defence for radars.

RADIO ASTRONOMY: Beware of causing interference to CSIRO facilities at Narrabri, Parkes, Coonabarabran (NSW), Mt Pleasant (Tas), Ceduna (SA), Murchison (WA), Tidbinbilla (ACT). A 250km buffer zone is recommended around these sites

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
5650.000	**5660.000**	**AMATEUR SATELLITE (Uplinks)**		**Priority**	
5660.000	**5670.000**	**ALL MODES**		**Priority**	
5670.000	**5690.000**	**AMATEUR TELEVISION**		**Priority**	
5671.500	*5678.500*	*DVB ATV Channel 1 – 5675 MHz*	*< 7 MHz*	***Priority***	
5681.500	*5688.500*	*DVB ATV Channel 2 – 5685 MHz*	*< 7 MHz*	***Priority***	
5670.000	*5690.000*	*FM ATV Channel 1 – 5680 MHz*	*< 20 MHz*	***Priority***	
5690.000	**5730.000**	**DATA (Wideband)**	< 40 MHz	**Priority**	Wi-Fi Ch 140/144 @ 20MHz or 142 @ 40 MHz
5730.000	**5735.000**	**VOICE (Analogue or Digital) REPEATER Output**	< 25 kHz	**Priority**	*(40 MHz offset)*
5735.000	**5755.000**	**AMATEUR TELEVISION**	< 7 MHz	**Priority**	
5736.500	*5743.500*	*DVB ATV Channel 3 – 5740 MHz*	*< 7 MHz*	***Priority***	
5746.500	*5753.500*	*DVB ATV Channel 4 – 5750 MHz*	*< 7 MHz*	***Priority***	
5735.000	*5755.000*	*FM ATV Channel 2 – 5745 MHz*	*< 20 MHz*	***Priority***	
5755.000	**5760.000**	**ALL MODES**		**Priority**	
5760.000	**5760.400**	**CW** **VOICE (Narrowband SSB)**	< 500 Hz < 3kHz	*Shared* *Shared*	
5760.400	**5760.600**	**BEACONS**	< 500 Hz	**Priority**	
5762.000	**5770.000**	**VOICE (Analogue) SIMPLEX**	< 100 kHz	**Priority**	
5770.000	**5775.000**	**VOICE (Analogue or Digital) REPEATER Input**	< 25 kHz	**Priority**	*(40 MHz offset)*
5775.000	**5815.000**	**DATA (Wideband)**	< 40 MHz	**Priority**	Wi-Fi Ch 157/161 @ 20MHz or 159 @ 40 MHz
5815.000	**5825.000**	**AMATEUR TELEVISION**			
5816.500	5823.500	DVB ATV Channel 5 – 5820 MHz	< 7 MHz	**Priority**	
5825.000	**5830.000**	**ALL MODES**		**Priority**	
5830.000	**5850.000**	**AMATEUR SATELLITE (Downlinks)**		**Priority**	



Centres of Activity

- 5760.000 – 5760.100 MHz – EME Moon bounce
- 5760.100 MHz – Narrowband VOICE (SSB) Call Channel
- 5760.300 – 5760.400 MHz – Narrowband Data Modes (DX / Weak Signal)
- 5765.000 MHz – (Analogue) VOICE Call Channel (FM 25 kHz)
- 5765.300 MHz – ARDF Beacons and Activity
- 5760.400 – 5760.600 MHz – Beacon Sub-band

AMATEUR TV Channels

- 5675.0 - DATV Channel 1
- 5680.0 - FM ATV Channel 1
- 5685.0 - DATV Channel 2
- 5740.0 - DATV Channel 3
- 5745.0 - FM ATV Channel 2
- 5750.0 - DATV Channel 4
- 5820.0 - DATV Channel 5

Band Notes:

VOICE repeaters are to be allocated on a 100 kHz channel raster starting from 5730.1 MHz (+40 MHz offset)

3cm Band

10 – 10.5 GHz – Secondary Service - Advanced only

Spectrum Users

10.0 – 10.4 GHz

- **EARTH EXPLORATION SATELLITE (active) – Primary**
- **FIXED Primary** *AUS101A*
- **MOBILE Primary** *AUS101A*
- **RADIOLOCATION Primary** *AUS101A*
- *Amateur – Secondary*

10.4 – 10.45 GHz

- **FIXED Primary** *AUS101A*
- **MOBILE Primary** *AUS101A*
- **RADIOLOCATION Primary** *AUS101A*
- *Amateur – Secondary*

10.45 – 10.5 GHz

- **RADIOLOCATION Primary***AUS101A*
- *Amateur – Secondary*
- *Amateur Satellite - Secondary*

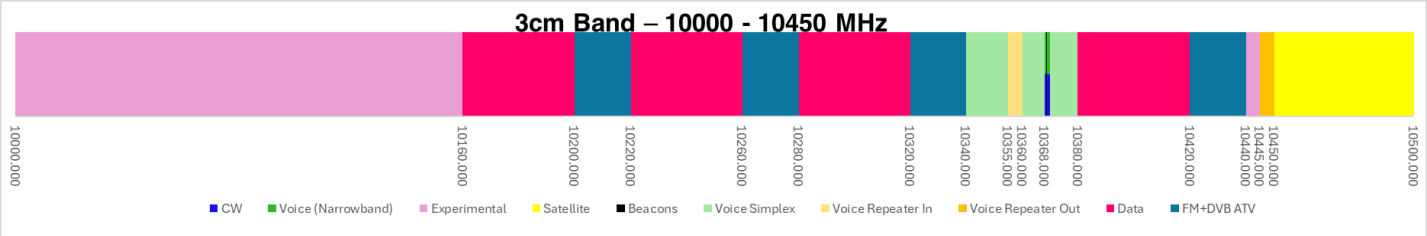
SECONDARY SERVICE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

This band is primarily used by Defence for radars.

RADIO ASTRONOMY: Beware of causing interference to CSIRO facilities at Narrabri, Parkes, Coonabarabran (NSW), Mt Pleasant (Tas), Ceduna (SA), Murchison (WA), Tidbinbilla (ACT). A 250km buffer zone is recommended around these sites

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
10000.0	**10160.0**	**ALL MODES**		**Priority**	
10160.0	**10200.0**	**DATA (Wideband)**	< 40 MHz	**Priority**	
10200.0	**10220.0**	**AMATEUR TELEVISION**	< 20 MHz	**Priority**	
10220.0	**10260.0**	**DATA (Wideband)**	< 40 MHz	**Priority**	
10260.0	**10280.0**	**AMATEUR TELEVISION**	< 20 MHz	**Priority**	
10280.0	**10330.0**	**DATA (Wideband)**	< 40 MHz	**Priority**	
10320.0	**10340.0**	**AMATEUR TELEVISION**	< 20 MHz	**Priority**	
10340.0	**10355.0**	**VOICE (Analogue or Digital) SIMPLEX**	<500 kHz	**Priority**	
10355.0	**10360.0**	**VOICE (Analogue or Digital) REPEATER Input**	<50 kHz	**Priority**	
10360.0	**10368.0**	**VOICE (Analogue or Digital) SIMPLEX**	< 500 kHz	**Priority**	
10368.0	**10368.1**	**EME Only**	< 3 kHz	**Priority**	
10368.1	**10368.4**	**CW** **SSB**	*< 500 Hz* *< 3kHz*	Shared Shared	
10368.4	**10368.6**	**BEACONS**	*< 500 Hz*	Priority	
10370.0	**10380.0**	**VOICE (Analogue or Digital) SIMPLEX**	*< 25 kHz*	**Priority**	
10380.0	**10420.0**	**DATA (Wideband)**	*< 40 MHz*	**Priority**	
10420.0	**10440.0**	**AMATEUR TELEVISION**	*< 20 MHz*	**Priority**	
10440.0	**10445.0**	**ALL MODES**	*< 5 MHz*	**Priority**	
10445.0	**10450.0**	**VOICE (Analogue or Digital) REPEATER Output**	*< 50 kHz*	**Priority**	
10450.0	**10500.0**	**AMATEUR SATELLITE**		**Priority**	



Centres of Activity

- 10205.0 MHz – DATV Channel 1
- 10210.0 MHz – FM ATV Channel 1
- 10215.0 MHz – DATV Channel 2
- 10265.0 MHz – DATV Channel 3
- 10270.0 MHz – FM ATV Channel 2
- 10275.0 MHz – DATV Channel 4
- 10325.0 MHz – DATV Channel 5
- 10330.0 MHz – FM ATV Channel 3
- 10335.0 MHz – DATV Channel 6
- 10368.200 – 10368.300 MHz – Digital EME Moon bounce
- 10368.100 MHz – Narrowband VOICE (SSB) Call Channel
- 10368.300 – 10368.400 MHz – Narrowband Data Modes (DX / Weak Signal)
- 10368.400 – 10368.600 MHz – Beacon Sub-band
- 10425.0 MHz – DATV Channel 7
- 10430.0 MHz – FM ATV Channel 4
- 10435.0MHz – DATV Channel 8

Band Notes:

VOICE repeaters are to be allocated on a 100 kHz channel raster starting from 10355.1 MHz (+90 MHz offset)

12mm Band

24.00 – 24.05 GHz – Primary Service - Advanced Licensee only

24.05 – 24.25 GHz – Secondary Service – Advanced Licensee only

Spectrum Users

24.0 – 24.050 GHz *AUS87 (Radio Astronomy)*

- **AMATEUR – Primary**
- **AMATEUR SATELLITE – Primary**
- **INDUSTRIAL SCIENTIFIC MEDICAL – Footnote 150**

24.050 – 24.250 GHz

- **RADIOLOCATION Primary** *AUS101A*
- *Amateur – Secondary*
- *Earth Exploration Satellite – Secondary*

SECONDARY SERVICE:
Amateurs must not cause Harmful Interference to others.
Amateurs must accept Interference from the Primary user.

This band is primarily used by Defence for radars.

RADIO ASTRONOMY: Beware of causing interference to CSIRO facilities at Narrabri, Parkes, Coonabarabran (NSW), Mt Pleasant (Tas), Ceduna (SA), Murchison (WA), Tidbinbilla (ACT). A 250km buffer zone is recommended around these sites

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
24000.0	**24050.0**	**SATELLITE**		**Priority**	
24048.0	**24050.0**	**NARROWBAND CW/VOICE/BEACON**	< 3kHz	**Priority**	
24050.0	**24250.0**	**ALL MODES**		**Priority**	

Centres of Activity

- 24048.000 – 24048.100 MHz – EME Moon bounce
- 24048.100 MHz – Narrowband VOICE (SSB) Call Channel
- 24048.300 – 24048.400 MHz – Narrowband Data Modes (DX / Weak Signal)
- 24048.400 – 24048.600 MHz – Beacon Sub-band

6mm Band

47.0 – 47.2 GHz – Primary Service - Advanced Licensee only

Spectrum Users

47.0 – 47.2 GHz *AUS87 (Radio Astronomy)*

- **AMATEUR – Primary**
- **AMATEUR SATELLITE – Primary**

RADIO ASTRONOMY: Beware of causing interference to CSIRO facilities at Narrabri, Parkes, Coonabarabran (NSW), Mt Pleasant (Tas), Ceduna (SA), Murchison (WA), Tidbinbilla (ACT). A 250km buffer zone is recommended around these sites

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
47000.0	**47088.0**	**ALL MODES**		**Priority**	
47088.0	**47090.0**	**NARROWBAND CW/VOICE/BEACON**	< 3kHz	**Priority**	
47090.0	**47200.0**	**ALL MODES**		**Priority**	

Centres of Activity

- 47088.000 – 47088.100 MHz – EME Moon bounce
- 47088.100 MHz – Narrowband VOICE (SSB) Call Channel
- 47088.300 – 47088.400 MHz – Narrowband Data Modes (DX / Weak Signal)
- 47088.400 – 47088.600 MHz – Beacon Sub-band

4mm Band

76.0 – 77.5 GHz – Secondary - Advanced only

77.5 – 78.0 GHz – PRIMARY - Advanced only

78.0 – 81.0 GHz – Secondary - Advanced only

Spectrum Users

76.0 – 77.5 GHz *AUS87 (Radio Astronomy 149)*

- **RADIO ASTRONOMY**
- **RADIOLOCATION**
- *Amateur – Secondary*
- *Amateur Satellite – Secondary*
- *Space research (space to earth)*

RADIO ASTRONOMY: Beware of causing interference to CSIRO facilities at Narrabri, Parkes, Coonabarabran (NSW), Mt Pleasant (Tas), Ceduna (SA), Murchison (WA), Tidbinbilla (ACT). A 250km buffer zone is recommended around these sites

Footnote 559B (77.5-78 GHz) RADIOLOCATION: shall be limited to short-range radar for ground-based applications, including automotive radar. The technical characteristics of those radars are provided in the most recent version of Recommendation ITU-R M.2057.

77.5 – 78.0 GHz *AUS87 (Radio Astronomy 149)*

- **AMATEUR – Primary**
- **AMATEUR-SATELLITE – Primary**
- **RADIOLOCATION (559b)**
- *Radio Astronomy - Secondary*
- *Space research (space to earth) – Secondary*

78.0 – 79.0 GHz *AUS87 (Radio Astronomy 149 560)*

- **RADIOLOCATION**
- *Amateur – Secondary*
- *Amateur Satellite – Secondary*
- *Space research (space to earth)*
- *Radio Astronomy - Secondary*
- *Space research (space to earth) – Secondary*

79.0 – 81.0 GHz *AUS87 (Radio Astronomy 149)*

- **RADIO ASTRONOMY**
- **RADIOLOCATION**
- *Amateur – Secondary*
- *Amateur Satellite – Secondary*
- *Space research (space to earth) – Secondary*

Amateur Band Plan

Lower (MHz)	*Upper (MHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
76000.0	**76032.0**	**ALL MODES**		**Priority**	**Note: -** Radioastronomy interference avoidance requirements – no activity within 250km of: Parkes (NSW), Narrabri (NSW), Coonabarabran (NSW), Tidbinbilla (ACT), Mt Pleasant (Tas), Ceduna (SA), Murchison (WA)
76032.0	**76034.0**	**NARROWBAND MODES CW/SSB/DATA**	< 3kHz	**Priority**	
76034.0	**77500.0**	**ALL MODES**		**Priority**	
77500.0	**78000.0**	**ALL MODES**		**Priority**	
78000.0	**81000.0**	**ALL MODES**		**Priority**	

Centres of Activity

- 76032.100 MHz – Narrowband VOICE (SSB) Call Channel
- 76032.300 – 76032.400 MHz – Narrowband Data Modes (DX / Weak Signal)
- 76032.400 – 76032.600 MHz – Beacon Sub-band

* NOTE: the WIA does not recommend using the Region 2 narrowband segment at 77.5-78.0 GHz due to the risk of interference with vehicle radar systems.

2.5mm Band

122.25 – 123.0 GHz – PRIMARY - Advanced only

Spectrum Users

122.25 – 123.0 GHz

- **FIXED - Primary**
- **INTER-SATELLITE – Primary**
- **MOBILE – Primary**
- **INDUSTRIAL SCIENTIFIC MEDICAL** – *Footnote 138*
- *Amateur – Secondary*

Amateur Band Plan

Lower (GHz)	*Upper (GHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
122.250	**122.251**	**NARROWBAND MODES**	< 3 kHz	**Priority**	Secondary
122.251	**122.990**	**ALL MODES**		**Priority**	
122.990	**122.991**	**NARROWBAND MODES**	< 3 kHz	**Priority**	Lower Absorption
122.991	**123.000**	**ALL MODES**		**Priority**	

Centres of Activity

- 122.250100 GHz – secondary Narrowband (lower atmospheric absorption)
- 122.250240 GHz – additional known Narrowband activity centre
- 122.400000 GHz – additional known Narrowband activity centre
- 122.500400 GHz – additional known Narrowband activity centre
- 122.990100 GHz – Narrowband VOICE (SSB) Call Channel
- 122.990150 GHz – additional known Narrowband activity centre

2mm Band

134 – 136 GHz – PRIMARY - Advanced only

136 – 141 GHz – Secondary – Advanced only

Spectrum Users

134.0 – 136.0 GHz

- **AMATEUR - Primary**
- **AMATEUR-SATELLITE – Primary**
- *Radio Astronomy – Secondary*

136.0 – 141.0 GHz

- **RADIO ASTRONOMY - Primary**
- **RADIOLOCATION – Primary**
- *Amateur – Secondary*
- *Amateur Satellite - Secondary*

Amateur Band Plan

Lower (GHz)	*Upper (GHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
134.000	**134.001**	**NAROW BAND MODES**		**Priority**	
134.001	**141.000**	**ALL MODES**			

Centres of Activity

- 134.000 – 134.001 GHz – Narrowband Centre of Activity *
- 134.000150 GHz – Narrowband Call Channel

* This segment is preferred as the devices currently being used to activate this band do not always operate successfully above 134.4 GHz

1.2mm Band

241 – 248 GHz – Secondary - Advanced only

248 – 250 GHz – Primary – Advanced only

Spectrum Users

241.0 – 248.0 GHz

- **RADIO ASTRONOMY - Primary**
- **RADIOLOCATION – Primary**
- **INDUSTRIAL SCIENTIFIC MEDICAL** – *Footnote 138*
- *Amateur – Secondary*
- *Amateur Satellite – Secondary*

248.0 – 250.0 GHz

- **AMATEUR - Primary**
- **AMATEUR-SATELLITE – Primary**
- **INDUSTRIAL SCIENTIFIC MEDICAL** – *Footnote 138*
- *Radio Astronomy – Secondary*

Amateur Band Plan

Lower (GHz)	*Upper (GHz)*	*Use*	*Bandwidth*	*Priority*	*Notes*
241.000	**250.000**	**ALL MODES**		**Priority**	

Centres of Activity

- 241.000100 GHz – Narrowband Call Channel