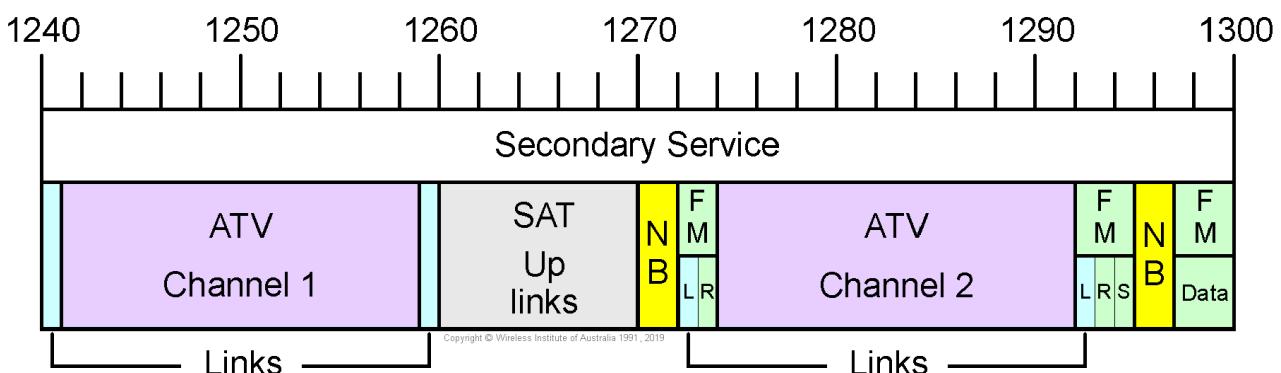


## 23 cm band – Advanced and Standard licensees only

### Band Allocation

1240 - 1300 MHz	RADIOLOCATION	Primary Service
1240 - 1260 MHz	RADIONAVIGATION - SATELLITE	Primary Service
1240 - 1300 MHz	AMATEUR	Secondary Service
1260 - 1270 MHz	AMATEUR SATELLITE (uplinks)	Permitted on non-interference basis



1240.000 - 1241.000	REPEATER LINKS - Group A	(Note 7)
1241.000 - 1259.000	ATV CHANNEL 1	(Note 8)
1259.000 - 1260.000	REPEATER LINKS - Group A	(Note 7)
1260.000 - 1270.000	AMATEUR SATELLITES	(Note 3)
1270.000 - 1272.000	NARROW BAND MODES (Possible future use)	(Note 1)
1270.000 - 1271.000	Same pattern as 1296.000 – 1297.000	
1271.000 - 1272.000	Experimental	
1272.025 - 1273.000	REPEATER LINKS - Group B	(Note 7)
1273.025 - 1273.975	FM REPEATER OUTPUTS	(Note 6)
1274.000 - 1292.000	ATV CHANNEL 2	(Note 8)
1292.025 - 1293.000	REPEATER LINKS - Group B	(Note 7)
1293.025 - 1293.975	FM REPEATER INPUTS	(Note 6)
1294.000 - 1294.975	FM SIMPLEX	(Note 4)
1294.000	National voice calling frequency	
1294.800	WICEN	
1294.850	National ARDF frequency	
1294.900	Non-voice modes (RTTY, SSTV, Fax)	
1295.000 - 1297.000	NARROW BAND MODES	(Note 1)
1295.000 - 1295.900	General / Experimental	
1295.900 - 1296.100	EME	
1296.100 - 1296.400	CW / SSB	
1296.100	Calling frequency: national primary	
1296.200	Calling frequency: national secondary	
1296.220 - 1296.240	Digital DX modes	
1296.240 - 1296.300	Guard band: New Zealand beacons	
1296.320 - 1296.340	Digital DX modes	
1296.400 - 1296.600	Beacons	(Note 2)
1296.600 - 1297.000	Experimental	
1297.025 - 1300.000	SIMPLEX (DATA)	(Note 5)
1297.025 - 1297.400	General FM - 25 kHz channel spacing	
1297.500 - 1299.900	Digital – 200 kHz channel spacing	
1297.500	D-Star – recommended national calling frequency	
1297.900	D-Star Comms Site Elevated Hot Spot	

## **Note 1: Narrow Band Modes**

This segment is reserved for modes such as CW, digital modes and SSB with bandwidths up to 4 kHz. Weak signal operation has absolute priority. Calling frequencies should be used only to make initial contact and then vacated as soon as possible. Please avoid any terrestrial operation within the EME segment. The "Digital DX modes" segments include recommended spot frequencies for SSB-based digital modes, on the same pattern as in Note 1 of the 2 metre band plan.

The Experimental segment is reserved for specialised experimental use, including possible future linear translators. The 1270 MHz segment is reserved for possible future use.

## **Note 2: Beacons**

Beacon frequencies are allocated on a call area basis, e.g. VK1: 1296.410 - 1296.419, VK2: 1296.420 - 1296.429 etc. Beacon frequency spacing is 2 kHz. The beacon segment should be kept clear of other transmissions.

## **Note 3: Amateur Satellites**

The satellite segment should be kept clear of all terrestrial operation.

## **Note 4: FM Simplex Segment**

Channel spacing is 25 kHz. Channels reserved for special purposes should be kept clear of other operation.

## **Note 5: Simplex (Data) Segments**

The 1297.025 – 1297.400 MHz segment is recommended for FM data modes, with 25 kHz channel spacing. The 1297.500 – 1297.900 MHz segment is recommended for D-Star simplex operation with 200 kHz channel spacing. The channels between 1298.100 and 1299.900 MHz are used for the simplex ports of D-Star repeaters.

## **Note 6: FM Repeaters**

Channel spacing is 25 kHz, and the offset is 20 MHz.

Digital (D-Star) repeaters will be allocated frequencies spaced at 200 kHz intervals in the upper part of the repeater segment (primary frequency 1273.900 / 1293.900 MHz).

## **Note 7: Repeater Links**

Two sets of link pairs are available, Group A on 1240/1259 MHz and Group B on 1272/1292 MHz. Wider offsets can be obtained with cross-group pairing, e.g. 1240 / 1292 MHz for a 52 MHz offset.

## **Note 8: Amateur Television**

Both channels may be used for simplex or repeater operation. Recommended uses are:

Channel 1: Simplex or repeater inputs

FM	Maximum bandwidth 18 MHz, centred on 1250 MHz
DVB	Bandwidth 7 MHz, centred on 1246 MHz or 1255 MHz

Channel 2: Simplex or repeater outputs

FM	Maximum bandwidth 18 MHz, centred on 1283 MHz
DVB	Bandwidth 7 MHz, centred on 1278 or 1287 MHz