

The 13 cm band

IARU Spectrum Requirement

The amateur service requires retention of access to the band 2 300 – 2 450 MHz and upgrading where possible the band 2 390 – 2 450 MHz to primary status, and the amateur-satellite service requires retention of the band 2 400 – 2 450 MHz.

The band 2 300 – 2 450 MHz is allocated to the Amateur Service on a secondary basis in all three Regions. Actions by WARC-92, WRC-07 and certain administrations in their domestic allocations have reduced the amount of spectrum within this band available to the Amateur Service.

The band 2 400 - 2 500 MHz is used for ISM applications and is increasingly congested by (unlicensed) low-power devices such as radio local area networks (RLANs) creating significant interference levels. Substitute spectrum for the Amateur Satellite Service, which is restricted to the ISM segment, is therefore sought.

Band Plan - Varna 2014

Frequency	Maximum Bandwidth	Mode	Usage
2300.000 2320.000	20 kHz	All modes	2304 - 2306 Narrow band segment in countries where the 2 320 - 2 322 segment is not available 2 308 – 2 310 Narrow band segment in HB
2320.000 2320.150	500 Hz	Telegraphy	2 320.000-2320.025 EME 2 320.138 PSK31 centre of activity
2320.150 2320.800	2 700 Hz	Telegraphy SSB	2 320.200 SSB centre of activity 2 320.750 – 2 320.800 Local Beacons (10 W ERP max)
2320.800 2321.000		Telegraphy MGM	Beacons exclusive
2321.000 2322.000	20 kHz	FM Digital Voice	Voice simplex and repeaters
2322.000 2400.000		All modes	2 322.000 - 2 355.000 ATV 2 355.000 - 2 365.000 Digital communications 2 365.000 - 2 370.000 Repeaters 2 370.000 - 2 392.000 ATV 2 392.000 - 2 400.000 Digital communications
2400.000 2450.000		Amateur satellite service	2 427.00 – 2 443.00 ATV if no satellite uses this segment

Please see the IARU Region 1 VHF Handbook for details