

2300 – 2450 MHz

Written by ON4AVJ - Published: Sunday, 15 March 2009 18:43

The 13 cm band

This band plan is the simplified version, without the footnotes. If you want to have the fully detailed band plan please refer to the IARU Region 1 VHF Handbook.

IARU Spectrum Requirement

The amateur service requires retention of access to the band 2300 – 2450 MHz and upgrading where possible the band 2390 – 2450 MHz to primary status, and the amateur-satellite service requires retention of the band 2400 – 2450 MHz.

The band 2300-2450 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 2400-2500 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 Landshut 2017

| Frequency | maximum Bandwith | MODE | USAGE |
|-----------|------------------|------------------------------|---|
| 2300.000 | 20 KHz | All modes | 2304 - 2306 Narrow band segment in countries where the |
| 2320.000 | | | 2320-2322 segment is not available |
| 2320.000 | 500 Hz | Telegraphy | 2308 - 2310 Narrow band segment in HB |
| 2320.150 | | | 2320.000-2320.025 EME |
| 2320.150 | 2700 Hz | Telegraphy | 2320.138 PSK31 centre of activity |
| 2320.800 | | SSB | 2320.200 SSB centre of activity |
| 2320.800 | | Telegraphy | 2320.750-2320.800 Local Beacons (10W ERP max) |
| 2321.000 | | MGM | Beacons exclusive |
| 2321.000 | 20 KHz | FM | Voice simplex and repeaters |
| 2322.000 | | Digital Voice | |
| 2322.000 | | All modes | 2322.000-2355.000 ATV |
| 2400.000 | | | 2355.000-2365.000 Digital communications |
| | | | 2365.000-2370.000 Repeaters |
| | | | 2370.000-2392.000 ATV |
| | | | 2392.000-2400.000 Digital communications |
| 2400.000 | | Amateur sattelite service | 2400 - 2402 Narrow band segment in countries where the |
| 2450.000 | | | 2320-2322 segment is not available |
| | | | 2427.00 - 2443.00 ATV if no satellite uses this segment |

Please see the IARU Region-1 VHF Handbook for details