

The 23 cm band

IARU Spectrum Requirement

The amateur service seeks retention of the band 1 240 – 1 300 MHz and upgrading the 1 260 – 1 300 MHz segment to primary status. The amateur-satellite service seeks retention of the band 1 260 – 1 270 MHz and deletion of the "Earth-to-space only" restriction.

Band Plan

Varna 2014

Frequency	Maximum Bandwidth	Mode	Usage
1240.000 1240.500	2 700 Hz	All modes	Reserved for the future
1240.500 1240.750	500 Hz	Telegraphy and MGM	Beacons (reserved for the future)
1240.750 1241.000	20 KHz	FM Digital Voice	Reserved for the future
1241.000 1243.250	20 KHz	all mode	1242.025 - 1242.250 repeater output (RS1 - RS10) 1242.275 - 1242.700 repeater output (RS11 - RS28) 1242.725 - 1243.250 Digital communications (RS29 - RS50)
1243.250 1260.000	*	ATV Digital ATV	1258.150 - 1259.350 Repeater output
1260.00 1270.00	*	Satellite Service	
1270.00 1272.00	20 KHz	All Mode	1270.025 - 1270.700 Repeater input (RS1 - RS28) 1270.725 - 1271.250 Digital Communication (RS29 - RS50)
1272.00 1290.994	*	ATV Digital ATV	
1290.994 1291.481	20 KHz	FM Digital Voice repeater input	RM1 (1291.000) - RM19 (1291.475) 25 KHz spacing
1291.494 1296.000	*	all modes	1293.150 - 1294.350 repeater input R20 - R68
1296.000 1296.150	500 Hz	Telegraphy MGM	1296.000 - 1296.025 Moonbounce 1296.138 PSK31 Centre of activity
1296.150	2700 Hz	Telegraphy SSB	1296.200 Narrow band centre of activity 1296.400 - 1296.600 linear transponder

1296.800		MGM	input 1296.500 fax 1296.600 Narrowband data centre of activity (MGM, RTTY,...) 1296.600 - 1296.700 linear transponder output 1296.750 - 1296.800 local beacons
1296.800 1296.994	500 Hz	Telegraphy MGM	Beacons exclusive
1296.994 1297.481	20 KHz	FM digital voice repeater OUTPUT	RM0 (1297.000) - RM19 (1297.475) 25 KHz spacing
1297.494 1297.981	20 KHz	FM Digital voice	1297.500 SM20 1297.500 centre of FM activity 1297.725 digital voice calling frequency 1297.900 - 1297.975 Simplex FM internet gateways 1297.975 SM39
1298.000 1299.000	20 KHz	All modes	General mixed analogue or digital use 25 KHz spacing channels 1298.025 RS1 1298.975 RS39
1299.000 1299.750	150 KHz	All modes	Arranged as 5 x 150 kHz channels for high speed Digital Data (DD) usage: Centres: 1299.075, 1299.225, 1299.375, 1299.525, 1299.675 MHz (+/- 75 kHz)
1299.750 1300.000	20 KHz	All modes	8 x 25 kHz channels (available for FM/DV use) : Centres: 1299.775-1299.975

* **Bandwidth limits according to national regulations.**

Please see the IARU Region 1 VHF Handbook for details