

RSGB Band Plan (effective from 1st January 2024)

The following band plan is largely based on that agreed at IARU Region 1 General Conferences with some local differences on frequencies above 430 MHz.

2.3 GHz (13cm) IARU Recommendation	Necessary Bandwidth	UK Usage
2,310.000-2,320.000 MHz Sub-regional (National band plans)	200 kHz	2,310.000-2,310.500 MHz Repeater links 2,311.000-2,315.000 MHz High speed data
2,320.000-2,320.800	2.7 kHz	Preferred Narrowband Segment 2,320.000-2,320.025 MHz Moonbounce 2,320.200 MHz SSB centre of activity 2,320.750-2,320.800 MHz Local Beacons, 10W erp max
2,320.800-2,321.000 Beacons exclusive		2,320.800-2,320.990 MHz Propagation Beacons only
2,321.000-2,322.000	20 kHz	FM/DV - see also Note 1
2,322.000-2,350.000		Wideband Modes , including data, ATV
2,390.000-2,400.000		All modes
2,400.000-2,450.000 Satellites		2,435.000 MHz ATV repeater outputs 2,440.000 MHz ATV repeater outputs
<p>Note 1: Stations in countries which do not have access to the all modes section 2,322-2,400 MHz, may use the segment 2,321-2,322 MHz for data transmission.</p> <p>Note 2: Stations in countries that do not have access to the narrow band segment 2,320-2,322 MHz, use the alternative narrow band segments 2,304-2,306 MHz, 2,308-2,310 MHz and 2400-2402 MHz</p> <p>Note 3: The segment 2,433-2,443 MHz may be used for ATV if no satellite is using the segment.</p> <p>LICENCE NOTES: Amateur Service - Secondary User: <i>Users must accept interference from ISM users.</i> Amateur Satellite Service: 2,400-2,450 MHz - Secondary User: <i>Users must accept interference from ISM users</i> Operation in 2310-2350 and 2390-2400 MHz are subject to specific conditions and guidance Note specific conditions apply within 50km of SS206127 (Bude) or SE202577 (Harrogate). ISM = Industrial, scientific and medical.</p>		

Notes to the Band Plan

ITU-R Recommendation SM.328 (extract)

Necessary bandwidth: For a given class of emission, the width of the frequency band which is just sufficient to ensure the transmission of information at the rate and with the quality required under specified conditions.

The use of Amplitude Modulation (AM) is acceptable in the all modes segments but users are asked to consider adjacent channel activity when selecting operating frequencies.

Foundation and Intermediate Licence holders are advised to check their licences for the permitted power limits and conditions applicable to their class of licence.