

RSGB Band Plan (effective from 1st January 2025)

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

144 MHz (2m)	Necessary Bandwidth	UK Usage
144.000-144.025 MHz 144.025-144.100 MHz	2700Hz 500Hz	All modes - including Satellite downlinks Telegraphy (including EME CW) 144.050 MHz Telegraphy Centre of Activity 144.100 MHz Random MS telegraphy calling (Note 1)
144.100-144.150	500Hz	Telegraphy and MGM EME MGM activity
144.150-144.400	2700Hz	Telegraphy, MGM and SSB 144.250 MHz GB2RS news broadcast and slow Morse 144.260 MHz See Note 10 144.300 MHz SSB Centre of Activity 144.370 MHz MGM MS calling
144.400-144.490		Propagation Beacons only
144.490-144.500		Beacon guard band 144.491-144.493 MHz Personal Weak Signal MGM Beacons (BW: 500 Hz max)
144.500-144.794	12 kHz	All Modes (Note-8) 144.500 MHz Image Modes (SSTV, Fax etc) 144.600 MHz Data Centre of Activity (MGM, RTTY etc) 144.6125 MHz UK Digital Voice (DV) calling (Note 9) 144.625-144.675 MHz See Note 10 144.750 MHz ATV Talk-back 144.775-144.794 MHz See Note 10
144.794-144.990	12 kHz	MGM / Digital Communications 144.800-144.9875 MHz Digital modes (including unattended) 144.8000 MHz Unconnected nets - APRS, UView etc (Note 14) 144.8125 MHz DV Internet voice gateway (IARU common channel) 144.8250 MHz DV Internet voice gateway (IARU common channel) 144.8375 MHz DV Internet voice gateway (IARU common channel) 144.8500 MHz DV Internet voice gateway (IARU common channel) 144.8625 MHz DV Internet voice gateway (IARU common channel) 144.8750 - 144.9125 MHz - Internet Gateways 144.9250 MHz Digital usage 144.9375 MHz Digital usage 144.9500 MHz Digital usage 144.9625 MHz FM Internet voice gateway 144.9750, 144.9875 MHz Low power / Adhoc repeater inputs (Note 11)
144.990-145.1935	12 kHz	FM/DV RV48 - RV63 Repeater input exclusive (Note 2) (Note 5)
145.200	12 kHz	FM/DV Space communications (e.g. I.S.S.) - Earth-to-Space 145.2000 MHz (Note 4) & (Note 10)
145.200-145.5935	12 kHz	FM/DV V16-V45 FM/DV simplex (Note 3) (Note 5) (Note-6) 145.2125 MHz FM Internet voice gateway 145.2250 MHz Internet gateways - and See Note 10 145.2375 MHz FM Internet voice gateway (IARU common channel) 145.2500 MHz Used for slow Morse transmissions 145.2625 MHz FM Internet voice gateway 145.2875 MHz FM Internet voice gateway (IARU common channel) 145.3125 MHz FM Internet voice gateway 145.3375 MHz FM Internet voice gateway (IARU common channel) 145.5000 MHz FM calling (Note 12) 145.5250 MHz Used for GB2RS news broadcast. 145.5500 MHz Used for rally/exhibition talk-in 145.5750, 145.5875 MHz Low power / Adhoc repeater outputs (Note 11)
145.5935-145.7935	12 kHz	FM/DV RV48 - RV63 Repeater output (Note 2)
145.800	12 kHz	FM/DV Space communications (e.g. I.S.S.) - Space-Earth
145.806-146.000	12 kHz	All Modes - Satellite exclusive
<p>Note 1: Meteor scatter operation can take place up to 26kHz higher than the reference frequency.</p> <p>Note 2: 12.5kHz channels numbered RV48-RV63. RV48 input = 145.000 MHz, output=145.600 MHz.</p> <p>Note 3: 12.5kHz simplex channels numbered V16-V45. V16=145.200 MHz.</p> <p>Note 4: Emergency Communications Groups utilising this frequency should take steps to avoid interference to ISS operations in non-emergency situations.</p> <p>Note 5: Embedded data traffic is allowed with digital voice (DV)</p> <p>Note 6: Simplex use only - no DV gateways</p> <p>Note 7: not used</p> <p>Note 8: Amplitude Modulation (AM) is acceptable within the All Modes segment. AM usage is typically found on 144.550MHz. Users should consider adjacent channel activity when selecting operating frequencies</p> <p>Note 9: In other countries IARU Region-1 recommend 145.375 MHz</p> <p>Note 10: May be used for Emergency Communications and Community Events</p> <p>Note 11: Ad-hoc Low power repeaters, 5W erp max</p> <p>Note 12: DV users are asked not to use this channel, and use 144.6125 MHz for calling.</p> <p>Note 13: not used</p> <p>Note 14: 144.800 use should be NBFM to avoid interference to 144.8125 DV Gateways</p> <p>LICENCE NOTES: Amateur Service and Amateur Satellite Service - Primary User. Note specific conditions apply within 50 km of TA 012869 (Scarborough)</p>		