

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 on frequencies above 430 MHz.

| 10 GHz (3cm) IARU Recommendation | Necessary Bandwidth | UK Usage |
|---|------------------------|---|
| 10,000.000-10,125.000 MHz All modes | | Note-4 10,065 MHz ATV Repeater Outputs |
| 10,225.000-10,250.000 All modes | | 10,240 MHz ATV Repeaters |
| 10,250.000-10,350.000 Digital modes | | |
| 10,350.000-10,368.000 All modes | | 10,352.5-10,368 MHz Wideband modes (Note-2) |
| 10,368.000-10,370.000 Narrowband telegraphy EME/SSB | 2.7 kHz | 10,368-10,370 MHz Narrowband modes (Note-3) 10,368.1 MHz Centre of activity |
| 10,368.800-10,368.995 Propagation Beacons | | 10,368.750-10,368.800 MHz Local Beacons, 10W erp max 10,368.800-10,368.995 MHz Propagation Beacons only |
| 10,370.000-10,450.000 All modes | | 10,371 MHz Voice repeaters RX 10,425 MHz ATV Repeaters |
| 10,450.000-10,475.000 All modes and satellites | | 10,400-10,475 MHz Unattended operation 10,450-10,452 MHz Alternative narrowband segment (Note-3) 10,471 MHz Voice repeaters TX |
| 10,475.000-10,500.000 All modes and satellites | | Amateur Satellite Service ONLY (Note-5) |
| Note 1: Deleted Note 2: Wideband FM is preferred between 10,350-10,400 MHz to encourage compatibility with narrowband systems Note 3: 10450 MHz is used as an alternative narrowband segment in countries where 10,368 MHz is not available Note 4: 10,000-10,125 MHz is subject to increased Primary User utilisation and restrictions Note 5: 10,475-10,500 MHz is allocated ONLY to the Amateur Satellite Service and NOT to the Amateur Service. LICENCE NOTES: Amateur Service - Secondary User. Foundation Licensees 1W max Amateur Satellite Service: 10,450-10,500 MHz - Secondary User. Note specific conditions apply within 50 km of SO916223 (Cheltenham), SS206127 (Bude), SK985640 (Waddington) and SE202577 (Harrogate). | | |

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.