

# **BAND PLAN**

## **50.000 Mhz**

**CW Only**

**50.020 - 50.080 Beacons**

**50.090 CW calling frequency**

## **50.100 Mhz**

**SSB and CW only**

**50.100 - 50.130 DX window. Only to be used between stations in different continents**

**50.110 International calling. No QSO's on this frequency. Always QSY when working Intercontinental DX**

**50.150 SSB centre of activity**

**50.185 Cross-band activity centre**

**50.200 MS Reference frequency (CW and SSB)**

## **50.500 Mhz**

**All Modes**

**50.500 - 50.700 Digital communications**

**50.510 SSTV**

**50.550 Fax**

**50.600 Rtty**

**50.710 - 50.910 FM repeater outputs**

## **51.000 Mhz**

**All modes**

**51.210 Emergency comms. priority**

**51.210 - 51.410 FM repeater inputs**

**51.410 Mhz**

**All modes**

**51.430 - 51.590 FM telephony. 20khz channel spacing. Channel centre frequencies start at 51.430Mhz**

**51.510 FM calling**

**51.530 Used by GB2RS news and for slow Morse transmissions**

**51.830 Mhz**

**All modes**

**51.940 - 52.000 Emergency comms. priority**

**52.00 Mhz**

**END OF BAND**

**70 MHz (4m)**

**LICENCE NOTES:**

**Amateur Service: Secondary. Available the basis of non interference to other services (inside or outside the UK)**

**Satellite Service: No allocation**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV**

**70.000 Mhz**

**Beacons**

**70.030 Personal beacons**

**70.030 Mhz**

**SSB and CW only**

**70.150 Meteor scatter calling**

**70.185 Cross-band activity centre**

**70.200 SSB/CW calling**

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**70.250 Mhz**

**All modes**

**70.260 AM/FM calling**

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**70.300 Mhz**

**Channelised operation using 12.5 Khz spacing**

**70.3000 RTTY/fax (calling/working)**

**70.3125 Packet radio**

**70.3250 Packet radio**

**70.3375 Packet radio**

**70.3500 Emergency comms.priority**

**70.3625 Packet radio**

**70 3750 Emergency comms.priority**

**70.3875 Packet radio**

**70.4000 Emergency comms.priority**

**70.4125 Packet radio**

**70.4250 FM Simplex (used by GB2RS)**

**70.4375 Packet radio**

**70.4500 FM calling**

**70.4625 Packet radio**

**70.4875 Packet radio**

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**70.500 Mhz**

**END OF BAND**

**144 MHz (2m)**

**LICENCE NOTES:**

**Amateur Services: Primary**

**Satellite Service: Primary**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV**

**Unattended beacons: Only for DF contests>**

**144.000 Mhz**

**EME (SSB/CW)**

**144.000 - 144.035 Moonbounce only**

**144.035 Mhz**

**CW only**

**144.050 CW calling**

**144.100 MS CW ref. frequency. Meteor scatter operation can take place up to 26khz higher than the reference frequency.**

**144.140 - 144.150 CW FAI/EME working**

**144.150 Mhz**

**SSB and CW only**

**144.150 - 144.160 SSB FAI/EME working**

**144.175 Microwave talkback (UK>**

**144.195 - 144.205 SSB random MS**

**144.250 GB2RS and slow Morse**

**144.260 Emergency comms. priority**

**144.300 SSB calling**

**144.390 - 144.400 SSB random MS**

**144.400 Mhz**

**Beacons**

**144.490 SAREX uplink**

**144.490 Mhz**

**Guard band**

**144.500 Mhz**

**All modes non-channelised**

**144.500 SSTV calling frequency**

**144.525 ATV talkback (SSB)**

**144.600 RTTY calling frequency**

**144.600 + or - RTTY working (FSK)**

**144.625 - 144.675 Emergency comms. priority**

**144.700 Fax calling frequency**

**144.750 ATV calling + talkback**

**144.775 - 144.800 Emergency comms. priority**

**144.800 Mhz**

**Digital modes**

**144.800 - 144.990 Digital modes inc. unattended**

**144.990 Mhz**

**Guard band**

**145.000 Mhz**

**FM repeater inputs**

**145.000 RV48 (R0)**

**145.025 RV50 (R1)**

**145.050 RV52 (R2)**

**145.075 RV54 (R3)**

**145.100 RV56 (R4)**

**145.125 RV58 (R5)**

**145.150 RV60 (R5)**

**145.175 RV62 (R7)**

**145.200 Mhz**

**FM Simplex channels**

**145.200 V16 (S8) Emergency comms. priority**

**145.225 V18 (S9) Emergency comms. priority**

**145.250 V20 (S10) Used for slow Morse transmissions**

**145.275 V22 (S11)**

**145.300 V24 (S12) RTTY afsk**

**145.325 V26 (S13)**

**145.350 V28 (S14)**

**145.375 V30 (S15)**

**145.400 V32 (S16)**

**145.425 V34 (S17)**

**145.450 V36 (S18)**

**145.475 V38 (S19)**

**145.500 V40 (S20) FM calling**

**145.525 V42 (S21) Used for GB2RS News**

**145.550 V44 (S22) Recommended channel for rally and exhibition  
talk-in**

**145.575 V46 (S23)**

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**145.600 Mhz**

**FM repeater outputs**

**145.600 RV48 (R0)**

**145.625 RV50 (R1)**

**145.650 RV52 (R2)**

**145.675 RV54 (R3)**

**145.700 RV56 (R4)**

**145.725 RV58 (R5)**

**145.750 RV60 (R6)**

**145.775 RV62 (R7)**

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**144.600 Mhz**

## **430.000 Mhz**

**All modes**

**430.000 - 430.810 Digital communications (see notes 6,7)**

**430.0125 Internet voice linking (Note 9)**

**430.0250 Internet voice linking (Note 9)**

**430.0375 Internet voice linking (Note 9)**

**430.0500 Internet voice linking (Note 9)**

**430.0625 Internet voice linking (Note 9)**

**430.0750 Internet voice linking (Note 9)**

**430.600 - 430.800 (see note 5)**

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## **430.810 Mhz**

**Low power repeater input (see note 1)**

**430.810 - 430.990 Low power repeaters**

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## **431.000 Mhz**

**All modes (see note 1)**

**430.990 - 431.900 Digital communications (see note 6)**

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## **432.000 Mhz**

**CW Only**

**432.000 - 432,025 Moonbounce**

**432.050 CW centre of activity**

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## **432.150 Mhz**

**SSB and CW only**

**432.200 SSB centre of activity**

**432.350 Microwave talkback - calling freq.(Europe)**



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**432.500 Mhz**

**All modes non-channelised**

**432.500 - 432.600 IARU Region 1 linear transponder outputs**

**432.600 - 432.800 IARU Region 1 linear transponder inputs**

**432.500 SSTV Activity centre**

**432.600 RTTY(fsk) Activity centre**

**432,625 Packet radio**

**432.650 Packet radio**

**432.675 Packet radio**

**432.700 Fax activity centre**

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**432.800 Mhz**

**Beacons**

**432.800 - 432.990 Beacons**

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**433.000 Mhz**

**FM repeater outputs in UK only (see note 1)**

**433.000 RU240 (RB0)**

**433.025 RU242 (RB1)**

**433.050 RU244 (RB2)**

**433.075 RU246 (RB3)**

**433.100 RU248 (RB4)**

**433.125 RU250 (RB5)**

**433.150 RU252 (RB6)**

**433.175 RU254 (RB7)**

**433.200 RU256 (RB8)**

**433.225 RU258 (RB9)**

**433.250 RU260 (RB10)**

**433.275 RU262 (RB11)**

**433.300 RU264 (RB12)**

**433.325 RU266 (RB13)**

**433.350 RU268 (RB14)**

**433.375 RU270 (RB15)**

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**433.400 Mhz**

**FM simplex channels**

**433.400 U272 (SU16)**

**433.425 U274 (SU17)**

**433.450 U276 (SU18)**

**433.475 U278 (SU19)**

**433.500 U280 (SU20) FM calling frequency**

**433.525 U282 (SU21)**

**433.550 U284 (SU22) Recommended channel for rally and exhibition talk-in**

**433.575 U286 (SU23)**

**433.600 U288 (SU24) RTTY afsk**

**433.625 Packet radio**

**433.650 Packet radio**

**433.675 Packet radio**

**433.700 (see notes 2,3 and 5)**

**433.725 (see notes 2 and 5)**

**433.750 (see notes 2 and 5)**

**433.775 (see notes 2 and 5)**

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**434.600 Mhz**

**FM repeater inputs in UK only (see note 1) and fastscan tv (see note 4)**

**434.600 RU240 (RB0)**

**434.625 RU242 (RB1)**

**434.650 RU244 (RB2)**

**434.675 RU246 (RB3)**

**434.700 RU248 (RB4)**

**434.725 RU250 (RB5)**

**434.750 RU252 (RB6)**

**434.775 RU254 (RB7)**

**434.800 RU256 (RB8)**

**434.825 RU258 (RB9)**

**434.850 RU260 (RB10)**

**434.875 RU262 (RB11)**

**434.900 RU264 (RB12)**

**434.925 RU266 (RB13)**

**434.950 RU268 (RB14)**

**434.975 RU270 (RB15)**

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**435.000 Mhz**

**Satellites and fast scan TV (see note 4)**

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**438.000 Mhz**

**Fast scan TV**

**438.025 - 438.175 (see note 5)**

**438.200 - 439.425 (see note 1)**

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**438.425 Mhz**

**Low power repeater o/p plus fast scan TV**

**438.425 - 438.575 Low power repeaters**

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**438.575 Mhz**

**Fast scan TV**

**438.200 - 439.425 (see note 1)**

**439.600 - 439.750 Digital communications (see note 6)**

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**439.750 Mhz**

**Packet radio**

**439.750 - 440.000 Digital communications (see note 6)**

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**440.000 Mhz**

**1.810 Mhz**

**CW Only**

**1.838 Mhz**

**Digimodes (and CW but excluding AX25 packet)**

**RTTY (Baudot is the preferred mode on this band)**

**Phone may be used above 1.840**

**1.842 Mhz**

**Phone (and CW)**

**1.843 QRP**

**1.960 DF contest beacons (14dBw) - 12.5kHz b/w max.**

**2.000 Mhz**

**Note: AX25 packet should not be used on the 1.8MHz band.**

**END OF BAND**

**3.5 MHz (80m)**

**LICENCE NOTES:**

**Amateur Service: Primary, Shared with other services**

**Satellite Service: No allocation**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV**

**Unattended beacons: Only for DF contests SAT/SUN only, 14dBW  
ERP PEP max.**

**3.500 Mhz**

**CW only 3.500 - 3.510 Priority for CW intercontinental working**

**3.500 - 3.560 CW contest preferred segment**

**3.560 QRP**

**3.580 Mhz**

**Digimodes (and CW)**

**3.590 - 3.600 AX25 Packet frequencies**

**(Phone may be used and has priority above 3.600 MHz)**

**3.620 Mhz**

**Phone and CW**

**3.600 - 3.650 Phone contest preferred segment**

**3.690 QRP**

**3.700 - 3.800 Phone contest preferred segment**

**3.730 - 3.740 SSTV/fax recommended 3.775 - 3.800 Reserved for inter-continental phone working**

**3.800**

**END OF BAND**

**7 MHz (40m)**

**LICENCE NOTES:**

**Amateur services: Primary**

**Satellite Service: Primary**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV..No AX25 Packet**

**7.000 Mhz**

**CW only**

**7.030 QRP**

**7.035 Mhz**

**Digimodes (and CW, SSTV, FAX, but excluding AX25 Packet)**

**(Phone may be used above 7.040)**

**7.045 Mhz**

**Phone (and CW)**

**7.100 Mhz**

**Note: AX25 packet should not be used on the 7 Mhz band**

**END OF BAND**

**10 MHz (30m)**

**LICENCE NOTES:**

**Amateur Services: Secondary**

**Satellite Service: No allocation**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV**

**10.100 Mhz**

**CW Only**

**10.106 QRP**

**10.140 Mhz**

**Digimodes (and CW, but excluding AX25 packet)**

**(Unattended digimode stations should avoid the use of the 10 Mhz band)**

**10.150 Mhz**

**Note: AX25 packet should not be used on the 10 Mhz band.**

**END OF BAND**

**10 Mhz Band Plan Notes:**

**The 10MHz band is allocated to the Amateur Service on a secondary basis only.**

**Therefore IARU have agreed on a worldwide basis that only CW and digimodes, being narrow bandwidth modes, are to be used on this band.**

**Likewise this band is not to be used for contests or news bulletins.**

**14 MHz (20m)**

**LICENCE NOTES:**

**Amateur Services: Primary**

**Satellite Service: 14.000 - 14.250: Primary**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV**

**14.000 Mhz**

**CW Only**

**14.000 - 14.060 CW only contest preferred segment**

**14.060 QRP**

**14.070 Mhz**

**Digimodes (and CW)**

**No digimode mailbox or forwarding.**

**14.089 - 14.099 AX25 preferred frequencies.**

**14.099 Mhz**



**Beacons only**

**14.099 - 14.101 Reserved exclusively for beacons**

**14.101 Mhz**

**Digimodes plus Phone and CW**

**14.101 - 14.112 Digimode mailbox and forwarding**

**AX25 packet preferred frequencies.**

**14.112 Mhz**

**Phone (and CW)**

**14.125 - 14.300 SSB only contest preferred segment**

**14.230 SSTV/fax calling frequency**

**14.285 QRP**

**14.350 Mhz**

**END OF BAND**

**18 MHz (17m)**

**LICENCE NOTES:**

**Amateur Service: Primary**

**Satellite Service: Primary**

**Power Limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV**

**18.068 Mhz**

**CW only**

**18.100 Mhz**

**Digimodes (and CW)**

**18.109 Mhz**

**Beacons only: 18.109 - 18.111 exclusively beacons**

**18.111 Mhz**

**Phone (and CW)**

**18.168 Mhz**

**END OF BAND**

**21 MHz (15m)**

**LICENCE NOTES:**

**AmateurService: Primary**

**Satellite Service: Primary**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV**

**21.000 Mhz**

**CW only**

**21.060 QRP**

**21.080 Mhz**

**Digimodes (and CW)**

**21.100 - 21.120 AX25 packet preferred**

**21.120 Mhz**

**CW only**

**21.149 Mhz**

**Beacons only**

**21.149 - 21.151 Beacons exclusive**

**21.151 Phone (and CW)**

**21.285 QRP**

**21.340 SSTV/fax calling frequency**

**21.450 Mhz**

**END OF BAND**

**24 MHz (12m)**

**LICENCE NOTES:**

**Amateur Service: Primary**

**Satellite Service: Primary**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV**

**24.890 Mhz**

**CW only**

**24.920 Mhz**

**Digimodes (and CW)**

**24.929 Mhz**

**Beacons only**

**24.929 - 24.931 Beacons exclusive**

**24.931 Mhz**

**Phone (and CW)**

**24.990 Mhz**

**END OF BAND**

**28 MHz (10m)**

**LICENCE NOTES:**

**Amateur Service: Primary**

**Satellite Service: Primary**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV**

**Unattended beacons: Only for DF contests (14dBW PEP max)**

**28.000 Mhz**

**CW only**

**28.050 Mhz**

**Digimodes (and CW)**

**(28.050 - 28.190 Novice)**

**28.060 QRP**

**28.120 - 28.150 AX25 packet preferred**

**28.150 Mhz**

**CW only**

**Regional time shared**

**28.190 - 28.199 International Beacon project - Exclusive**

**28.199 Mhz**

**Beacons only**

**World time shared**

**28.199 - 28.201 International Beacon project - Exclusive**

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**28.201 Mhz**

**Phone (and CW)**

**28.201 - 28.255 Continuous duty International Beacon Project - Exclusive**

**28.360 QRP**

**28.680 SSTV/fax calling frequency**

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**29.200 Mhz**

**AX25 packet (plus phone and CW)**

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**29.300 Mhz**

**Satellite downlinks**

**29.300 - 29.500 Reserved exclusively for satellite downlinks**

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**29.550 Mhz**

**Phone (and CW)**

**Some experimental FM repeaters may be established in IARU Region**

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**29.700 Mhz**

**1,240.000 Ghz**

**All modes**

**1240.150 Packet radio (150khz b/w)**

**1240.300 Packet radio (150khz b/w)**

**1240.450 Packet radio (150khz b/w)**

**1240.600 Packet radio (150khz b/w)**

**1240.750 Packet radio (150khz b/w)**

**1,243.250 Ghz**

**ATV**

**1248.000 RT1-3 TV input**

**1249.000 RT1-2 TV input**

**1,260.000 GHz**

**Satellites**

**1,270.000 GHz**

**All modes**

**1,272.000 GHz**

**ATV**

**1276.500 AM TV input**

**1280.000 FM TV Repeater input**

**1,291.000 GHz**

**Repeater inputs**

**1291.000 RM0 (UK) 25kHz spacing**

**1291.375 RM15 (UK) 25kHz spacing**

**1,291.500 GHz**

**ALL modes**

**1,296.000 GHz**

**CW only**

**1296.000 - 1296.025 Moonbounce**

**1,296.150 GHz**

**SSB and CW**

**1296.200 Narrow band centre of activity**

**1296.400 - 1296.600 Linear transponder input**

**1296.500 SSTV**

**1296.600 RTTY**

**1296.700 Fax**

**1296.600 - 1296.800 Linear transponder output**

**1,296.800 GHz**

**Beacons exclusive**

**1296.800 - 1296.990 Beacons**

**1,297.000 GHz**

**Repeater outputs (see note 1)**

**1297.000 RM0 (UK) 25kHz spacing**

**1297.375 RM15 (UK) 25kHz spacing**

**1,297.500 GHz**

**FM Simplex (see note 1)**

**1297.500 SM20**

**1297.750 SM30**

**1,298.000 GHz**

**ALL modes**

**Remote control**

**Digital communications**

**1,295.500 Ghz**

**1299.000 Packet radio (25kHz b/w)**

**1299.425 Packet radio (150kHz b/w)**

**1299.575 Packet radio (150kHz b/w)**

**1299.725 Packet radio (150kHz b/w)**

**1,300.000 GHz**

**TV repeater outputs (UK only)**

**1308.000 FM TV repeater output**

**1310.000 FM TV repeater output**

**1311.500 AM TV repeater output**

**1312.000 FM TV repeater output**

**1316.000 FM TV repeater output**

**1,325.000 GHz**

**END OF BAND**

**1.3 GHz Band Plan notes:**

**1.**

**Local traffic using narrow-band should operate between 1296.500 - 1296.800MHz during contests and band openings.**

**2.**



Stations in countries which do not have access to 1298 - 1300MHz (eg Italy) may also use the FM simplex segment for digital communications.

### 2.3 GHz (13cm)

#### LICENCE NOTES:

**Amateur Service: Secondary. *Users must accept interference from ISM users***

**Satellite Service: 2400 - 2450, Secondary. *Users must accept interference from ISM users***

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV, FSTV**

**NOTE:ISM = Industrial, Scientific and Medical**

#### 2,310.000 GHz

Sub-regional (national band plans)

2310.000 - 2310.500 Repeater links

2310.100 Packet radio (200kHz b/w)

2310.300 Packet radio (200kHz b/w)

2310.000 - 2310.500 Remote control

2311.000 - 2315.000 High speed data

#### 2,320.000 GHz

CW Exclusive

2320.000 - 2320.025 Moonbounce

#### 2,320,150 GHz

CW and SSB

2320.200 SSB centre of activity

#### 2,320.800 GHz

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| <p><b>Beacons exclusive</b></p> <p><b>2320.800 - 2320.990 Beacons</b></p>  |
| <p><b>2,321.000 GHz</b></p> <p><b>Simplex and repeaters (FM) (see note 1)</b></p>  |
| <p><b>2,322.000 GHz</b></p> <p><b>All modes 2322.000 - 2355.000 ATV</b></p> <p><b>2355.100 - 2364.000 Repeater links</b></p> <p><b>2355.100 Packet radio (200kHz b/w)</b></p> <p><b>2355.300 Packet radio (200kHz b/w)</b></p> <p><b>2356.000 - 2360.000 High speed data</b></p> <p><b>2364.000 Packet radio (1mHz b/w)</b></p> <p><b>2365.000 - 2370.000 Repeaters</b></p> <p><b>2370.000 - 2390.000 ATV</b></p> <p><b>2390.000 - 2392.000 Moonbounce</b></p> |
| <p><b>2,400.000 GHz</b></p> <p><b>Satellites</b></p>   |
| <p><b>2,450.000 GHz</b></p> <p><b>END OF BAND</b></p>  |

**2.3 GHz Band Plan notes:**

**1.**

**Stations in countries which do not have access to the All Modes section (2.322 - 2.390Mhz), use the simplex and repeater segment 2321 - 2322Mhz for data transmission**

**2.**

**Stations in countries which do not have access to the narrow band segment 2.320 - 2.322Mhz,**

**use alternative narrow band segments: 2.308 - 2.310Mhz.**

**3.4 GHz (9cm)**

**LICENCE NOTES:**

**Amateur Services: Secondary**

**Satellite Service: No allocation**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV, FSTV**

**In the sub-bands 3420 - 3430 and 3450 -3455MHz, unattended operation is not allowed within 50km of SO916223 (Cheltenham), SS206127 (Bude) and SE302577 (Harrogate)**

**3,400.000 Ghz**

**Narrow band CW/EME/SSB**

**3400.100 Centre of activity**

**3400.800 - 3401.000 Beacons**

**3401.000 - 3402.000 Remote control**

**3,402.000 Ghz**

**All Modes**

**3,456.000 Ghz**

**3456.000 EME to USA**

**3,458.000 Ghz**

**All modes**

**3,475.000 Ghz**

**END OF BAND**

**5.7 GHz (6cm)**

**LICENCE NOTES:**

**Amateur Service: 5,650 - 5,680, Secondary: 5,755 - 5,765 + 5820 - 5850: Secondary: *Users must accept interference from ISM users***

**Satellite Service: 5,650 - 5,670 Secondary: *Earth to Space only: 5,830 - 5,850 Secondary: *Users must accept interference from ISM users Space to Earth only****

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV, FSTV**

**ISM=Industrial, Scientific, Medical**

**In the sub-bands 5670.5680MHz, unattended operation is not allowed within 50km of SS206127 (Bude) or SE302577 (Harrogate)**

**5,650.000 Ghz**

**Satellite uplinks**

**5,668.000 Ghz**

**Narrow band and satellite**

**5668.200 Alternative narrow band segment**

**5,670.000 Ghz**

**All modes**

**5,680.000 Ghz**

**No allocation up to 5,755.000**

**5,755.000 Ghz**

**All modes**

**5,760.000 Ghz**

**Narrow band CW/EME/SSB**

**5760.100 Current centre of activity**

**5760.800 - 5761.000 Beacons**

**5,762.000 Ghz**

**All modes**

**5,765.000 Ghz**

**No allocation up to 5,820.000**

**5,820.000 Ghz**

**All modes**

**5,830.000 Ghz**

**Satellite downlinks**

**5,850.000 Ghz**

**END OF BAND**

**10 GHZ (3cm)**

**LICENCE NOTES:**

**Amateur Service: Secondary**

**Satellite Service: 10,450 - 10,500: Secondary**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV, FSTV**

**In the sub-band 10.000 - 10.125MHz, unattended operation is not allowed within 50km of SO916223 (Cheltenham), SS206127 (Bude) SK985640 (Waddington) or SE 302577 (Harrogate)**

**10,000.000 GHz**

**All modes (ATV, data, FM simplex, duplex and repeaters)**

**10,002.5 - 10,027.5 WB transponders, RMT 290/015 OUT**

**10,027.5 - 10,052.5 WB transponders, RMT 315/040 OUT**

**10,052.5 - 10,077.5 WB transponders, RMT 340/065 OUT**

**10,080 - 10,090 Packet links**

**10,090 - 10,110 Wideband Beacons and Operating**

**10,110 - 10,120 Speech Repeaters OUT**

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**10,125.000 Ghz**

**No allocation up to 10,225.000**

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**10,225.000 Ghz**

**All Modes**

**10,227.5 - 10,252.5 WB Transponders, RMT 240/425 OUT**

**10,252.5 - 10,277.5 WB Simplex**

**10,227.5 - 10,302.5 WB Transponders, RMT 290/015 IN**

**10,302.5 - 10,327.5 WB Transponders, RMT 213/040 IN**

**10,327.5 - 10,352.5 WB Transponders, RMT 340/065 IN**

**10,352.5 - 10,368 Wideband Modes**

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**10,368.000 Ghz**

**Preferred narrow band CW/EME/SSB Beacons**

**10,368 - 10,370 Narrowband Modes**

**10,368.1 Centre of Activity**

**10,368.8 - 10,369 Beacons**

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**10,370.000 Ghz**

**All modes**

**10,370 - 10,390 Wideband modes**

**10,390 - 10,410 WB Beacons and operating**

**10,412.5 - 10,437.5 WB Transponders, RMT 240/425 IN**

**10,440 - 10,450 Speech Repeaters IN**

**(10,400 - 10,500 Unattended operation)**

**10,450.000 Ghz**

**All modes plus satellites**

**10.450 - 10,452 Alternate Narrowband CW/EME/SSB (see note 3)**

**10,500.000 Ghz**

**END OF BAND**

**10 GHZ Band Plan notes:**

**1.**

**10,400 is the preferred frequency for wideband beacons, but 10,100 is still used.**

**2.**

**Wideband FM is preferred around 10.350 - 10,400 to encourage compatibility with narrowband systems; however, there is still activity around 10,050 - 10,150**

**3.**

**The current NB sub-band is at 10,368, however a sub-band at 10,450 is being considered as a possible future alternative.**

**4.**

**Simplex TV operation should take place on RMT inputs which are not used by local transponders.**

**Changes to the 10GHz band:**

**From 1 February 1999, the allocation will be from 10,00 to 10,125GHz**

and from 10,225 to 10,475GHz for the Amateur Service.

The Amateur Satellite Service allocation will remain unchanged.

5.

Wideband transponder pairs are designated by input/output frequency. The pairings shown are recommended but occasional variants may be needed to suit local circumstances

6.

Note that 10475 to 10500MHz is allocated to the Amateur Satellite service and NOT to the Amateur Service.

24 GHz (12mm)

#### LICENCE NOTES:

**Amateur Service: 24,000 - 24,050 Primary. *Users must accept interference from ISM users.***

**24,050 - 24,150 Secondary, *May only be used with the written consent of the Secretary of State. Users must accept interference from ISM users.***

**24,150 - 24,250 Secondary, *Users must accept interference from ISM users.***

**Satellite Service: 24,000 - 24,050 Primary, *Users must accept interference from ISM users.***

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV, FSTV**

**In the sub-band 24.000 - 24.050MHz unattended operation is not allowed within 50km SK985640 (Waddington) and SE302577 <HARROGATE)**

**NOTE:ISM= Industrial, Scientific, Medical**

24,000.000 Ghz

Satellites

24,025 Preferred operating frequency wide band equipment

24,048 - 24,050 IARU proposed narrowband operating,



**24,050.000**

**All modes**

**24,192 - 24,194 Narrow band operating (UK)**

**24,250.000**

**END OF BAND**

**47 GHz (6mm)**

**LICENCE NOTES:**

**Amateur Service: Primary**

**Satellite Service: Primary**

**Power limit: 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV, FSTV**

**Unattended operation is not allowed within 50km of SK985640  
(Waddington) and SE302577 (Harrogate)**

**47,000.000**

**47,088 Centre of narrow band activity**

**47,200.000**

**END OF BAND**

**76 GHz (4mm)**

**LICENCE NOTES:**

**Amateur Service primary**

**Amateur Satellite primary**

**Power Limit 26dBW PEP**

**Permitted modes: Morse, telephony, RTTY, data, fax, SSTV, FSTV**

**75,500.000**

**75.976 Centre of UK activity**

**47,200.000**