

1.2 50 – 54 MHz Band plan

Frequency	Maximum Bandwidth	Mode (a)	Usage
50.000 50.100	500 Hz	Telegraphy exclusive (except Beacon Project)	50.000 - 010 Region-1 * 50.010 - 020 Region-2 * 50.020 - 030 Region-3 * * Reserved for future Synchronised Beacon Project (b) 50.050 CW future International centre of activity 50.090 CW Intercontinental centre of activity
50.100 50.200 50.200	2700 Hz	SSB Telegraphy	International preferred 50.100 - 130 Intercontinental section 50.110 Intercontinental centre of activity(c) 50.130 - 200 international section 50.150 International centre of activity
50.200 50.300 50.300	2700 Hz	SSB Telegraphy	General usage 50.285 for crossband
50.300 50.400 50.400	2700 Hz	MGM Narrowband Telegraphy	50.305 PSK Centre of activity 50.310 - 320 EME centre of activity 50.320 - 380 MS centre of activity
50.400 50.500 50.500	1000 Hz	MGM Telegraphy	Beacons exclusive
50.500 52.000 52.000 54.000	12 kHz 500 KHz	All Modes (g) All modes	50.510 SSTV 50.540 - 580 Simplex FM Internet Voice Gateways 50.550 Image frequency 50.620 - 750 Digital communications 50.630 DV calling 51.210 - 390 FM/DV Repeater Inputs, 20 kHz spacing (e) 51.410 - 590 FM/DV Simplex (f) 51.510 FM calling frequency 51.810 – 990 FM repeaters output channels, 20 kHz spacing (e) (f)

DV: digital voice

1.2.1 Notes: bandplan

- a. legacy usage for MGM is accepted, but effort should be made to move this to 50,300 – 50,400 MHz. Usage by operators may vary due to restrictions on national allocations

1.2.2 Notes: Usage

For the numbering of FM telephony see PART 2 section 1.4

In those countries within the European part of IARU Region 1 where it is allowed to set up FM repeaters on 50 MHz, the indicated channels are recommended in order to establish a commonality.

In those countries where the National Authorities do not permit repeaters to operate with output frequencies above 51 MHz, repeater output frequencies may be 500 kHz below the repeater input frequencies. (Tel Aviv 1996).

IARU-R1

Footnotes:

- b. The intercontinental DX calling frequency 50.110 MHz should not be used for calling within the European part of Region 1 at any time.
- c. deleted.
- d. For the specification of FM telephony PART 3 section section 8.1
- e. This segment is for simplex use only with no Digital Voice gateways permitted. Embedded data traffic is allowed along with Digital Voice. DV users should check that the channel is not in use by other modes
- f. In those Region 1 countries where 52 - 54 MHz (or parts thereof) is allocated, its use should be planned on the basis of up to 4 x 500 kHz blocks which may be sub-divided to suit digital applications. Amateurs using digital transmission methods must also ensure that their transmissions do not spread beyond band edges.
- g. Experiments using wider bandwidth digital modes may take place in the 50 MHz band within the 50.5 - 52 MHz segment where local conditions permit, on the basis it does not cause interference to other users (including narrowband/beacon use)
 - noting that potential options for this include around 50.6, 51.0 or 51.7 MHz and maximum bandwidth of around 50 kHz
 - That Member Societies encourage such 50 MHz digital experiments to support innovation and development of the band and report results back to IARU Region 1