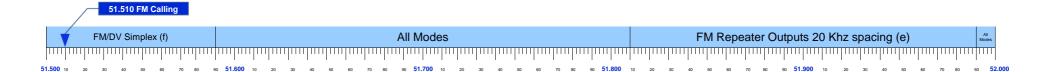
IARU - 50MHz Bandplan 2012 50.050 - CW Future International Centre of Activity 50.401 MHz +/- 500 Hz WSPR Beacons 50.090 - Inercontinental Centre of Activity 50.285 - Crossband Centre of Activity CW International Section SSB Telegraphy General Usage MGM Narrowband Telegraphy MGM Telegraphy MS Centre of Activity Beacons Exclusive 50.150 - International Centre of Activity 50.310 - 50.320 EME Centre of Activity 50.305 - PSK Centre of Activity 50.110 - Intercontinental Centre of Activity (c) 50.600 RTTY (FSK) 50.630 Digital Voice Calling 50.510 SSTV **Digital Communications** All Modes II Modes Simplex FM Internet All Modes Voice Gateways 50.550 Image Working Frequency

	All Modes	FM/DV Repeater Inputs 20 KHz channel spacing (e) All Modes FM/DV Simplex (f))
5	.000 10 20 30 40 50 60 70 80 90 51.100 10 20 30 40 50 60 70 80 90 51.200 1	20 30 40 50 60 70 80 90 51.300 10 20 30 40 50 60 70 80 90 51.400 10 20 30 40 50 60 70	o 80 90 51.500



Key

Beacons
CW
CW & SSB
MGM, Narrowband & CW
All Modes

Footnotes:

The following notes are referring to the Usage column in the bandplan. As already set out in the introduction to section 3, in the right amateur spirit operators should take notice of these agreements which are made for operating convenience, but no right to reserved frequencies can be derived from a mention in the Usage column or from the following notes.

 b. 50.0-50.1 MHz is currently shared with Propagation Beacons. These are due to be migrated by August-2014 to 50.4-50.5 MHz, to create more space for Telegraphy and a new Synchronised Beacon Proiect

c. The intercontinental DX calling frequency 50.110 MHz should not be used for calling within the European part of Region 1 at any time.

d. Channelized equipment: On this band the FM channel spacing is 20/10 kHz.

e. For the specification of FM telephony see section 8.2

f. 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.

g. Refer to Beacons Chapter for coordination of beacons in the beacon sub-band

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 1006)

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.