

4.2 50 - 52 MHz BANDPLAN

| Frequency | Maximum Bandwidth | Mode | Usage |
|-----------|-----------------------------------|--------------------------|--|
| 50000 | 500 Hz | Telegraphy (a) | 50.000 - 50.080 Beacons |
| 50100 | | | 50.090 Telegraphy center of activity |
| 50100 | 2700 Hz | Telegraphy SSB MGM | 50.100 - 50.130 Intercontinental Telegraphy/SSB |
| | | | 50.110 DX Calling (c) |
| | | | 50.150 SSB Center of activity |
| | | | 50.185 Crossband activity center |
| | | | 50.200 MS center of activity |
| | | | 50.255 JT44 |
| | | | 50.260 - 50.280 FSK441 |
| | | | 50.270 FSK441 Calling freq |
| | 50.285 PSK31 center of activity | | |
| 50500 | | | 50.400 +/- 500Hz WSPR Beacons |
| 50.500 | 12 kHz | All modes | 50.510 SSTV (AFSK) |
| | | | 50.520-50.540 Simplex FM Internet Voice Gateways |
| | | | 50.550 FAX working frequency |
| | | | 50.600 RTTY (FSK) |
| | | | 50.620 - 50.750 Digital communications |
| | | | 50.630 DV calling |
| | | | 51.210 - 51.390 FM/DV Repeater Inputs, 20 kHz spacing (e) |
| | 51.410 - 51.590 FM/DV Simplex (f) | | |
| | 51.510 FM calling frequency | | |
| 52.000 | | | 51.810 - 51.990 FM repeaters output channels, 20 kHz spacing (e) |

DV = Digital Voice

NOTES ON THE 50 - 52 MHz BANDPLAN

1. IARU REGION 1 BANDPLAN

This bandplan, first adopted at the IARU Region 1 Conference in Torremolinos (1990) and revised at the 1996 Tel Aviv conference and the 2002 San Marino Conference, is recommended for use in those countries in the European part of Region 1 which allow amateurs to operate in this part of the radio spectrum. In many countries in the African part of Region 1 (see footnotes accompanying the ITU frequency allocation table) the 50 - 54 MHz band is allocated to the Amateur Service on a primary basis, and in some cases, like for instance in South Africa, an adaptation of the Region 2 bandplan is used.

1.1. Footnotes

- a. Telegraphy is permitted over the whole band; Telegraphy exclusive between 50.000 - 50.100 MHz.

2. USAGE

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.

2.1. Footnotes

- 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

For the numbering of FM telephony channels see 4.1

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)
