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| **Subject** | Amendment bandplans 144 MHz and 432 MHz |
| **Society** | VU MW Beacon Coordinator | **Country:** |  |
| **Committee:** | C5 | **Paper number:** | NS20\_C5\_10 |
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**Introduction**

Amendment for beacon sections in the bandplans 144 MHz and 432 MHz in respect of the use of new MGM.

**Background**

New MGM modes have become popular for the operation of beacons. This has to be mentioned in the bandplans.

**Key points and proposal**

The section “Experimental MGM” shall be changed as new MGM beacons can require more bandwidth and to provide an option for general experimental beacons.

In the 2 m and 70 cm bandplans the beacon bandwidth is limited to 500 Hz. It should be extended to 1 kHz in respect of the use of digital modes like PI4.

**Recommendations**

The IARU R1 VHF Handbook shall be changed:

Part 2, Chapter 1.4 and 1.5, bandplans, range x.491 to x.493:

Change the range from “x.491 to x.493” to x.490 to x.500

Change the bandwidth to 2.5 kHz

Change the mode EMGM to MGM

Change the term “experimental MGM” to “local and experimental beacons.

Part 2, 1.4 and 1.5, bandplans, range x.491 to x.493:

Change maximum bandwidth from 500 Hz to 1 kHz.

Part 1, 5.1.2 Local Beacons, headline shall be changed:

“Local Beacons” to “Local and experimental Beacons”

Part 1, 5.1.2 Local Beacons, first sentence shall be changed:

“In the microwave bands, local beacons, which should be 10W ERP max, may preferably be placed in the x.750-x.800MHz range of the relevant narrowband segment, adjacent to, but outside of the exclusive propagation beacon segments.”

to

“Local and experimental beacons, which should be 10W ERP max, may preferably be placed in the

corresponding range of the relevant narrowband segment, adjacent to, but outside of the exclusive

propagation beacon segments.”

**Financial Implications**

None