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Subject	Additional 2 m Digital Voice Channels		
Society	DARC	Country:	Germany
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Introduction

In the VHF-manager Handbook_V5_42, Page 38 and 39, the repeater frequency input range on the 2 m band is defined as 144,994 – 145,194 MHz and the output range as 145,594 – 145,7935 MHz.

For Digital Voice communication (DV) it is proposed to define two new channels. A new segment exclusively for DV-repeater could be: repeater input range 144,9815 – 144,994 MHz and the output range 145,5815 – 145,594 MHz, allowing two Digital Voice channels with 6,25 KHz spacing.

Background

There is a lack of repeater frequencies for DV operation on the 2 m band. This lack is an inherent amateur radio problem, because old analogue repeater technology is still being used in a non-adequate manner. IARU Region 1 should support the new technology by finding new duplex frequency pairs. The space communications segment above the existing highest repeater output frequency is an essential limit; therefore, alternative pairs of frequencies have to be identified below the existing repeater range.

Key points and proposal

Digital voice communication technology is proposed to be allowed in the 2 m band on new duplex repeater frequencies.

A new segment for DV-only-repeaters could be:

144,9815 – 144,994 MHz repeater Input
145,5815 – 145,594 MHz repeater output

Recommendation

That the 2 m band plan and the according footnotes are modified to comply with the need for new digital voice duplex frequencies.