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Subject	28 MHz band plan: channels FM-repeaters		
Society	UBA	Country:	Belgium
Committee:	C4	Paper number:	SC11_C4_09
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Background

In the coming years the range of 10 m FM-repeaters will be increasing due to higher solar activity. This will also lead to more activity and risk of mutual interference.

Motivation

Only four channels for FM-repeaters are not enough. We propose a review of the segment 29,000 to 29,700 MHz to allow the creation of more duplex-channels for repeaters, a channel for simplex-repeaters (parrots), an increase of the number of FM simplex channels and a step to harmonization with Region 2.

Current situation

See the HF-handbook V7.0, page 4.5-2 + 4.2-1 + 12.3

Proposal

To change the text of Chapter 4.5 as follows (changes in red):

Chapter 4.5

THE 29 MHz FM SEGMENT

<u>FREQUENCY (MHz)</u>	<u>APPLICATION</u>
29,210 - 29,290	FM Simplex (10 kHz spacing)
29,510	Band Edge, do not use
29,520 - 29,590	Repeater Input (10 kHz spacing)
29,600	Calling Frequency
29,610	FM Simplex-repeater (parrot) Input and Output
29,620 - 29,690	Repeater Output (10 kHz spacing)
29,700	Band Edge

FREQUENCIES FOR FM REPEATERS

<u>DESIGNATION</u>	<u>REPEATER INPUT</u>	<u>REPEATER OUTPUT</u>
RH1	29,520 MHz	29,620 MHz
RH2	29,530 MHz	29,630 MHz
RH3	29,540 MHz	29,640 MHz
RH4	29,550 MHz	29,650 MHz
RH5	29,560 MHz	29,660 MHz

RH6	29,570 MHz	29,670 MHz
RH7	29,580 MHz	29,680 MHz
RH8	29,590 MHz	29,690 MHz

To change the text of Chapter 4.2 as follows (changes in red):

Chapter 4.2

<u>Freq. (kHz)</u>	<u>Use</u>
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29 210 – 29 290	FM Operations
29 510	Segment edge-not to be used. Secure a safe buffer Zone.
29 520 – 29 590	Repeater input
29 600	Calling frequency
29 610	FM simplex repeater
29 620 – 29 690	Repeater output
29 700	Band Edge - Not for use

To change the text of Chapter 12.0 (band plan page 12.3) as follows (changes in red):

Chapter 12.0

28 320 – 29 000	2 700 All modes, 28330 kHz -
29 000 – 29 200	6 000 All modes - digimodes, automatically controlled data stations (unattended)
29 210 – 29 290	6 000 FM simplex – 10 kHz channels (H1 – H9)
29 300 – 29 510	6 000 Satellite-downlink
29 510 – 29 517	Guard band
29 520 – 29 590	6 000 All modes - FM repeater inputs 10 kHz channels (RH1 – 8)
29 600	6 000 All modes - FM calling channel
29 610	6 000 FM simplex-repeater (parrot) input and output
29 620 – 29 690	6 000 FM repeater outputs 10 kHz channels (RH1–RH8)
29 693 – 29 700	Guard band