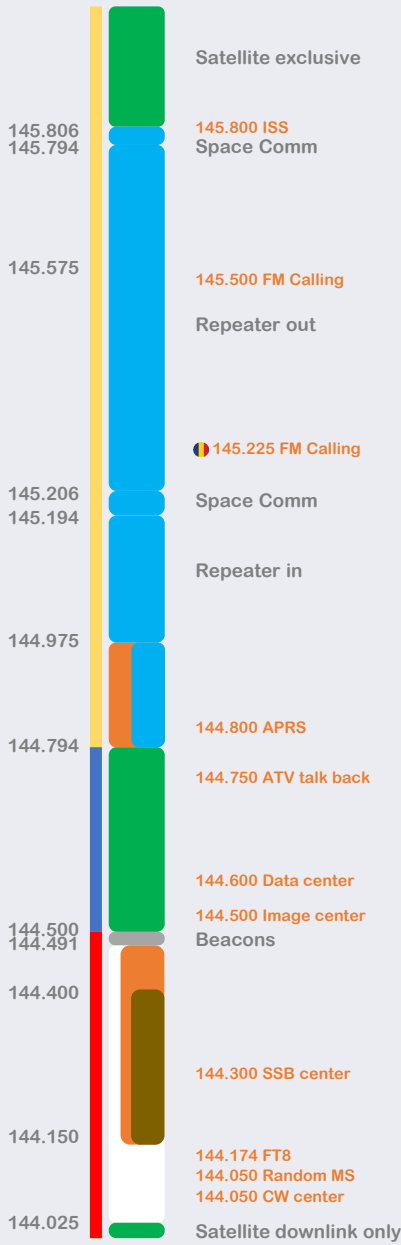


VHF 2m

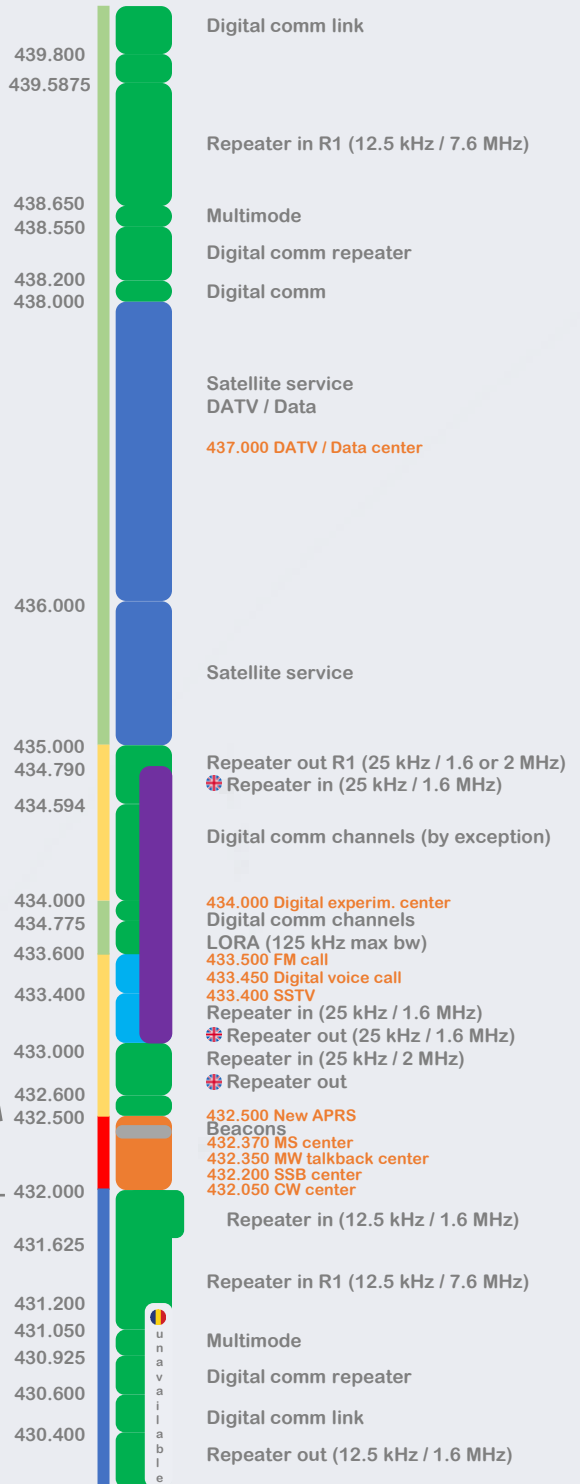
144 - 146 MHz (2 MHz band)

UHF 70cm

430 - 440 MHz (10 MHz band)



Authorized Peak Envelope Power (PEP) per class (W)	Class	VHF 2m	UHF 70cm
		I	400
II	200	100	
III	100	50	
IV	50	30	



430.000 - 431.200 MHz not part of radio amateur service

In countries without access to the full 70 cm band, the following 12.5 kHz repeater channels with a 1.6 MHz separation between uplink and downlink can be implemented:

- a. Input Frequencies (uplink) 431.225 - 431.600 MHz
- b. Output Frequencies (downlink) 432.825 - 433.200 MHz

Modes:

- All modes
- CW
- Beacons excl.
- MGM
- SSB
- FM / Dig. voice
- Sat. service
- ISM

Bandwidth:

- See verso
- None
- 20 kHz
- 12 kHz



IARU Region 1 2m & 70cm Band Plan

Ver 1.2

Based on IARU-R1 VHF Handbook v9.01 March 2021

Sources:

- National Authority for Management and Regulation in Communications of Romania - Radio amateur services regulations
- ITU Radio Regulations, 2020 Edition
- IARU-R1 VHF Handbook

YO3MIO - Feel free to print, distribute and modify this document while maintaining the source and author

Source documents here: <https://github.com/mircea84/VHFHamBands/>

Thanks radioamator.ro community for support!

VHF 2m

Based on IARU-R1 VHF Handbook v9.01 March 2021
 (*) See notes from Handbook

144-146 MHz (2 MHz band)

Frequency segment (MHz)	Max Bw.	Mode	Usage
144.000 -144.025	2700 Hz	All modes	Satellites downlink only (*)
144.025 -144.100	500 Hz	Telegraphy (*)	144.050 Telegraphy calling 144.100 Random MS (*)
144.100 - 144.150	500 Hz	Telegraphy MGM	144.110-144.160 CW and MGM EME (*)
144.150 - 144.400	2700 Hz	Telegraphy SSB MGM	144.300 SSB center of activity
144.400 - 144.490	500 Hz	Telegraphy MGM	Beacons exclusive (*)
144.491 - 144.493	500 Hz	Personal weak signal MGM Beacons	Experimental MGM
144.500 - 144.794	20 kHz	All mode (*)	144.500 Image mode center (SSTV, Fax,...) 144.600 Data center of activity (MGM, RTTY,...) 144.750 ATV talk back
144.794 - 144.9625	12 kHz	MGM (*) Digital communications	144.800 APRS 144.8125 DV internet voice gateway 144.8250 DV internet voice gateway 144.8375 DV internet voice gateway 144.8500 DV internet voice gateway 144.8625 DV internet voice gateway
144.975 - 145.194	12 kHz	FM / Digital Voice	Repeater input exclusive (*)
145.194 - 145.206	12 kHz	FM / Digital Voice (*)	Space Communication (*)
145.206 - 145.5625	12 kHz	FM / Digital Voice (*)	145.2375 FM Internet voice gateway 145.2875 FM Internet voice gateway 145.3375 FM Internet voice gateway 145.375 Digital voice calling 145.500 FM calling
145.575 - 145.7935	12 kHz	FM / Digital Voice	Repeater output exclusive (*)
145.794 - 145.806	12 kHz	FM / Digital Voice (*)	Space communication (*)
145.806 -146.000	12 kHz	All modes (*)	Satellite exclusive

UHF 70cm

430-440 MHz (10 MHz band)

Frequency segment (MHz)	Max Bw.	Mode	Usage
430.000 - 431.975 (national band planning) (*)		All modes	430.025 - 430.375 FM repeater out (12.5 kHz spacing / 1.6 MHz shift) 430.400 - 430.575 Digital communications link (*) 430.600 - 430.925 Digital communications repeater channels (*) 430.925 - 431.025 Multimode channels (*) 431.050 - 431.825 Repeater in IARU-R1 (12.5 kHz spacing / 7.6 MHz shift) (*) 431.625 - 431.975 Repeater in (12.5 kHz spacing / 1.6 MHz shift) (*)
432.000 - 432.100	500 Hz	Telegraphy (*) MGM	432.050 Telegraphy center of activity
432.100 - 432.400	2700 Hz	Telegraphy SSB MGM	432.200 SSB center of activity 432.350 Microwave talkback center of activity 432.370 Meteor Scatter center of activity
432.400 - 432.490	500 Hz	Telegraphy MGM	Beacons exclusive (*)
432.491 -432.493	500 Hz	EMGM	Experimental MGM
432.500 - 432.975	12 kHz	All modes	432.500 New APRS frequency 432.600 - 432.9875 Repeater in IARU-R1 (25 kHz spacing / 2 MHz shift) 432.600 - 432.975 UK - Repeater out
433.000 - 433.375	12 kHz	FM / Digital Voice repeaters (*)	433.000 - 433.3875 Repeater in (12.5 kHz spacing / 1.6 MHz shift) (*) 433.000 - 433.375 UK Repeater out (25 kHz spacing / 1.6 MHz shift)
433.400 - 433.575	12 kHz	FM / Digital Voice (*)	433.400 SSTV (FM/AFSK) 433.450 Digital Voice calling 433.500 FM calling Simplex channels 25 kHz spacing
433.600 - 434.000		All modes	433.625 - 433.775 Digital communications channels (*) 434.000 Centre frequency of digital experiments (*) LORA (*)
434.000 - 434.594	12 kHz (*)	All modes / ATV (*)	434.450 - 434.575 Digital communications channels (by exception) (*)
434.594 - 434.981	12 kHz (*)	All modes	434.600 - 434.9875 Repeater Out IARU-R1 (12.5 kHz spacing / 1.6 or 2 MHz shift) (*)
435.000 - 436.000		Satellite service	
436.000 - 438.000		Satellite service DATV / data (*)	437.000 DATV / data center of activity
438.000 - 440.000		All modes	438.025 - 438.175 Digital communication channels (*) 438.200 - 438.525 Digital communication repeater channels (*) 438.550 - 438.625 Multimode channels (*) 438.650 - 439.425 Repeater out IARU-R1 (12.5 kHz / 7.6 MHz shift) (*) 439.800 - 439.975 Digital communication link channels (*)