

Frequenzplan IARU Region 1

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FREQUENCY SEGMENT (kHz)	MAX BANDWIDTH (Hz)	PREFERRED MODE AND USAGE	
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135,7 - 137,8 kHz (2,2 Km Band)

135,7 - 137,8	200	CW	CW, QRSS and narrow band digital modes
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472-479 kHz (630m Band)

472 - 475	200	CW	CW (NOTES)
475 - 479	(#)	Narrow band modes	CW, digimodes (NOTES)

1810 - 2000 kHz (160m Band)

1810 - 1838	200	CW	1836 kHz - CW QRP Centre of Activity
1838 - 1840	500	Narrow band modes	
1840 - 1843	2700	All modes	Digimodes
1843 - 2000	2700	All modes	

3,5-3,8 MHz (80m Band)

3500 - 3510	200	CW	Priority for inter-continental operation
3510 - 3560	200	CW	CW contest preferred 3555 kHz - CW QRS Centre of Activity
3560 - 3570	200	CW	3560 kHz - CW QRP Centre of Activity
3570 - 3580	200	Narrow band modes	Digimodes
3580 - 3590	500	Narrow band modes	Digimodes
3590 - 3600	500	Narrow band modes	Digimodes, automatically controlled data stations (unattended)
3600 - 3620	2700	All modes	Digimodes, automatically controlled data stations (unattended)
3600 - 3650	2700	All modes	SSB contest preferred 3630 kHz - Digital Voice Centre of Activity
3650 - 3700	2700	All modes	3690 kHz - SSB QRP Centre of Activity
3700 - 3775	2700	All modes	SSB contest preferred 3735 kHz - Image Centre of Activity
3775 - 3800	2700	All modes	3760 kHz - R1 Emergency Centre of Activity
			SSB contest preferred - Priority for inter-continental operation

5,3 - 5,3 MHz (60m Band)

5351,5 - 5354,0	200		CW, Narrow band modes (NOTES)
5354,0 - 5366,0	2700	All modes	USB recommended for voice operation (NOTES)
5366,0 - 5366,5	20 (!)		Weak signal narrow band modes (NOTES)

70 - 72 MHz (40m Band)

7000 - 7040	200	CW	7030 kHz - CW, QRP Centre of Activity
7040 - 7047	500	Narrow band modes	Digimodes
7047 - 7050	500	Narrow band modes	Digimodes, automatically controlled data stations (unattended)
7050 - 7053	2700	All modes	Digimodes, automatically controlled data stations (unattended)
7053 - 7060	2700	All modes	Digimodes
7060 - 7100	2700	All modes	SSB contest preferred 7070 kHz - Digital Voice Centre of Activity 7090 kHz - SSB QRP Centre of Activity
7100 - 7130	2700	All modes	7110 kHz - Region 1 Emergency Centre
7130 - 7175	2700	All modes	SSB contest preferred 7165 kHz - Image Centre of Activity
7175 - 7200	2700	All modes	SSB contest preferred - Priority for inter-continental Activity

10,1 - 10,1 MHz (30m Band)

10100 - 10130	200	CW	10116 kHz - CW QRP Centre of Activity
10130 - 10150	500	Narrow band modes	Digimodes

14 - 14,3 MHz (20m Band)

14000 - 14060	200	CW	CW contest preferred 14055 kHz - QRS Centre of Activity
14060 - 14070	200	CW	14060 kHz - CW QRP Centre of Activity
14070 - 14089	500	Narrow band modes	Digimodes
14089 - 14099	500	Narrow band modes	Digimodes, automatically controlled data stations (unattended)
14099 - 14101		International Beacon Project	Beacons exclusively
14101 - 14112	2700	All modes	Digimodes, automatically controlled data stations (unattended)
14112 - 14125	2700	All modes	
14125 - 14300	2700	All modes	SSB contest preferred 14130 kHz - Digital Voice Centre of Activity 14195 ±5 kHz - Priority for DX-peditions 14230 kHz - Image Centre of Activity 14285 kHz - SSB QRP Centre of Activity

14300 - 14350	2700	All modes	14300 kHz - Global Emergency Centre of Activity
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18 - 18,1 MHz (17m Band)

18068 - 18095	200	CW	18086 kHz - CW QRP Centre of Activity
18095 - 18105	500	Narrow band modes	Digimodes
18105 - 18109	500	Narrow band modes	Digimodes, automatically controlled data stations (unattended)
18109 - 18111		International Beacon Project	Beacons exclusively
18111 - 18120	2700	All modes	Digimodes, automatically controlled data stations (unattended)
18120 - 18168	2700	All modes	18130 kHz - SSB QRP Centre of Activity 18150 kHz - Digital Voice Centre of Activity 18160 kHz - Emergency Centre of Activity

21 - 21,4 MHz (15m Band)

21000 - 21070	200	CW	21055 kHz - QRS Centre of Activity 21060 kHz - QRP Centre of Activity
21070 - 21090	500	Narrow band modes	Digimodes
21090 - 21110	500	Narrow band modes	Digimodes, automatically controlled data stations (unattended)
21110 - 21120	2700	All modes	Digimodes, automatically controlled data stations (unattended), (not SSB)
21120 - 21149	500	Narrow band modes	
21149 - 21151		International Beacon Project	Beacons exclusively
21151 - 21450	2700	All modes	21180 kHz - Digital Voice Centre of Activity 21285 kHz - SSB QRP Centre of Activity 21340 kHz - Image Centre of Activity 21360 kHz - Global Emergency Centre of Activity

24,8 - 24.9 MHz (12m Band)

24890 - 24915	200	CW	24906 kHz - CW QRP Centre of Activity
24915 - 24925	500	Narrow band modes	Digimodes
24925 - 24929	500	Narrow band modes	Digimodes, automatically controlled data stations (unattended)
24929 - 24931		International Beacon Project	Beacons exclusively
24931 - 24940	2700	All modes	Digimodes, automatically controlled data stations (unattended)
24940 - 24990	2700	All modes	24950 kHz - Centre of Activity SSB QRP 24960 kHz - Digital Voice Centre of Activity

28 - 28,7 MHz (10m Band)

28000 - 28070	200	CW	28055 kHz - QRS Centre of Activity 28060 kHz - QRP Centre of Activity
28070 - 28120	500	Narrow band modes	Digimodes
28120 - 28150	500	Narrow band modes	Digimodes, automatically controlled data stations (unattended)
28150 - 28190	500	Narrow band modes	
28190 - 28199		International Beacon Project	Regional time shared beacons, exclusively
28199 - 28201		International Beacon Project	Worldwide time shared beacons, exclusively
28201 - 28225		International Beacon Project	Continuous duty beacons, exclusively
28225 - 28300	2700	All modes	Beacons
28300 - 28320	2700	All modes	Digimodes, automatically controlled data stations (unattended)
28320 - 29000	2700	All modes	28330 kHz - Digital Voice Centre of Activity 28360 kHz - SSB QRP Centre of Activity 28680 kHz - Image Centre of Activity
29000 - 29100	(unrestricted)	All modes	
29100 - 29200	(unrestricted)	All modes	FM simplex - 10 kHz channels
29200 - 29300	(unrestricted)	All modes	Digimodes, automatically controlled data stations (unattended)
29300 - 29510	(unrestricted)	Satellite Links	
29510 - 29520		Guard Channel	
29520 - 29590	6000	All modes	FM Repeater input (RH1- RH8)
29600	6000	All modes	FM Calling channel
29610	6000	All modes	FM Simplex Repeater (parrot, input + output)
29620 - 29700	6000	All modes	FM Repeater output (RH1- RH8)

50 - 54 MHz (6m Band)

50,000 - 50,100	500	Coordinated Beacon Project Telegraphy	000 - 010 Region 1, 010-020 Region 2, 020-030 Region 3 50,050 centre of activity 50,090 intercontinental centre of activity
50,100 - 50,200	2700	SSB and Telegraphy	50,100-50,130: intercontinental. Centre of activity: 50,110 50,130-50,200: international. Centre of activity: 50,150
50,200 - 50,300	2700	SSB and Telegraphy	General use. 50,285: crossband
50,300 - 50,400	2700	Narrow band modes, MGM	50.305 PSK Center of activity 50.310 - 320 EME center of activity 50.320 - 380 MS center of activity
50,400 - 50,500	1000	MGM and Telegraphy	Beacons exclusive (50.401 MHz +/- 500Hz WSPR Beacons)

50,500 - 52,000	12 KHz	all mode	50,51 SSTV 50.520 - 540 Simplex FM Internet Voice Gateways 50,55 Image working frequency 50,6 RTTY (FSK) 50.620 - 750 Digital communications 50.630 Digital Voice (DV) calling 51.210 - 390 FM/DV Repeater Inputs 51.410 - 590 FM/DV Simplex 51,51 FM calling frequency
50,500 - 50,700	none	all mode	50.540 - 580 Simplex FM/DV Internet Voice Gateways 50.600-50.700 Digital communications; including 50.630 DV calling
50,700 - 50,900	12 KHz	FM/Digital voice	50.710 - 50.890 FM/DV repeater output channels
50,900 - 51,200	none	all mode	For wideband digital experiments
51,200 - 51,400	12 KHz	FM/Digital voice	51.210 - 390 FM/DV Repeater Input channels
51,400 - 52,000	none	all mode	51.410 - 590 FM/DV Simplex 51.510 FM calling frequency 51.810 – 990 FM/DV repeaters output channels For wideband digital experiments
52,000 - 54,000	500 KHz	all mode	

70 - 70,5 MHz (4m Band)

70,000 - 70,090	1000	MGM and Telegraphy	Coordinated beacons
70,090 - 70,100	1000	MGM and Telegraphy	Temporary and personal beacons 70.091 Personal WSPR beacons
70,100 - 70,250	2700	SSB, Telegraphy, MGM	70.185 Crossband center of activity 70.200 Centre of activity CW/SSB calling 70.250 Centre of activity MS
70,250 - 70,294	12 KHz	AM, FM	70.260 AM/FM calling 70.270 MGM centre of activity
70,294 - 70,500	12 KHz	FM Channels 12,5 KHz spacing	70.3125 digital communications 70.3250 digital communications 70.4500 FM calling 70.4875 digital comr

144 - 146 MHz (2m Band)

144,000 - 144,025	2700	all mode	sattelite downlink only
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144,025 - 144,100	500	Telegraphy	144.050 Telegraphy calling 144.100 Random MS
144,100 - 144,150	500	MGM and Telegraphy	144.110-144.160 CW and MGM EME
144,150 - 144,400	2700	SSB, Telegraphy, MGM	144.195-144.205 Random MS SSB 144.300 SSB Centre of activity
144,400 - 144,490	500	MGM and Telegraphy	Beacons exclusive
144,491 - 144,493	500	Personal weak signal MGM Beacons	Experimental MGM
144,500 - 144,794	20 KHz	All mode	144.500 Image mode centre (SSTV, Fax,...) 144.600 Data Centre of activity (MGM, RTTY,...) 144.750 ATV Talk back
144,794 - 144,9625	12 KHz	MGM Digital Communication	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 mode	Sattelite exclusive

430 - 440 MHz (70cm Band)

430,000 - 431,975	20 KHz	all mode	430.025 - 430.375 FM repeater output (1.6 MHz shift) 430.400 - 430.575 digital communications 430.600 . 430.925 digital communications repeater channels 430.925 - 431.025 multimode channels 431.050 - 431.825 Repeater input channel freqs 7.6 MHz shift 431.625 - 431.975 Repeater input channels (1.6MHz shift)
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432,000 - 432,100	500	MGM &Telegraphy	432.050 Telegraphy Centre of activity
432,100 - 432,400	2700	MGM, Telegraphy &SSB	432.200 SSB centre of activity 432.350 Microwave talkback centre of acitivity 432.370 Meteo Scatter centre of activity
432,400 - 432,490	500	MGM &Telegraphy	Beacons Exclusive
432,191 - 432,193	500	EMGM	Experimental MGM
432,500 - 432,975	12 Khz	all mode	432.500 New APRS frequency 432,600-432,9875 REPEATER INPUT REGION 1 STANDARD, 25 kHz spacing, 2 MHz shift(Channel freq 432.600 - 432.975MHz)
433,000 - 433,375	12 KHz	FM / Digital Voice repeaters	REPEATER INPUT REGION 1 STANDARD, 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
433,600 - 434,000	none	all mode	433.625 - 433.775 Digital communications channels 434.000 Centre frequency of digital experiments
434,000 - 434,594	12 KHz	All mode - ATV	434.450-434.575 Digital communications channels
434,594 - 434,981	12 KHz	All mode	434.600-434.9875 Repeater Output (12.5 Khz spacing 1.6 or 2MHz shift)
435,000 - 436,000	none	Sattelite service	
436,000 - 438,000	none	Sattelite service & DATV/data	DATV/data centre of activity
438,000 - 440,000	none	All mode	438.025 - 438.175 Digital communication channels 438.200 - 438.525 Digital communication repeater channels 438.550 - 438.625 Multi mode 438.650 - 439.425 Repeater output channels (7.6 MHz shift) 439.800 - 439.975 Digital communication link channels

1240 - 1300 MHz (23cm Band)

1240,000 - 1240,500	2700	all modes	Reserved for the future
1240,500 - 1240,750	500	MGM & Telegraphy	Beacons (reserved for the future)
1240,750 - 1241,000	20 Khz	FM/ Digital Voice	Reserved for the future
1241,000 - 1243,250	20 Khz	all modes	1242.025 - 1242.250 repeater output 1242.275 - 1242.700 repeater output 1242.725 - 1243.250 Digital communications
1243,250 - 1260,000	*	(D)ATV	1258.150 - 1259.350 Repeater output

1260,000 - 1270,000	*	Sattelite service	
1270,000 - 1272,000	20 Khz	all modes	1270.025 - 1270.700 1270.725 - 1271.250
1272,000 - 1290,994	*	(D)ATV	
1290,994 - 1291,481	20 Khz	FM/ Digital Voice	Repeater Input 25 KHz spacing
1291,494 - 1296,000	*	all modes	1293.150 - 1294.350 repeater input R20 - R68
1296,000 - 1296,150	500	MGM & Telegraphy	1296.000 - 1296.025 Moonbounce 1296.138 PSK31 Centre of activity
1296,150 - 1296,800	2700	MGM, Telegraphy & SSB	1296.200 Narrow band centre of activity 1296.400 - 1296.600 linear transponder input 1296.500 fax 1296.600 Narrowband data centre of activity (MGM,RTTY,...) 1296.600 - 1296.700 lineartransponder output 1296.741- 1296.743 experimental MGM (500Hz) 1296.750 - 1296.800 local beacons
1296,800 - 1296,994	500	MGM & Telegraphy	Beacons exclusive
1296,994 - 1297,481	20 Khz	FM/ Digital Voice	Repeater Output 25 KHz spacing
1297,494 - 1297,981	20 Khz	FM/ Digital Voice	1297.500 SM20 1297.500 centre of FM acitivity 1297.725 digital voice calling frequency 1297.900 - 1297.975 Simplex FM internet gateways 1297.975 SM39
1298,000 - 1299,000	20 Khz	all modes	General mixed analogue or digital use 25 KHz spacing channels 1298.025 RS1 1298.975 RS39
1299,000 - 1299,750	150 Khz	all modes	Arranged as 5 x150kHz channels for high speed Digital Data (DD) usage: Centres: 1299.075, 1299.225, 1299.375, 1299.525, 1299.675 MHz (+/- 75kHz)
1299,750 - 1300,000	20 Khz	all modes	8x25kHz channels (available for FM/DV use) : Centres: 1299.775-1299.975

2300 - 2450 MHz (13cm Band)

2300,000 - 2320,000	20 Khz	all modes	2304 - 2306 Narrow band segment in countries where the 2320-2322 segment is not available 2308 - 2310 Narrow band segment in HB
2320,000 - 2320,800	none	all modes	2320.000-2320.025EME 2320.200 SSB centre of activity 2320.750-2320.800 Local Beacons(10W ERP max)
2320,800 - 2321,000		MGM & Telegraphy	Beacons exclusive
2321,000 - 2322,000	20 KHz	FM / Digital Voice	Voice simplex and repeaters
2322,000 - 2400,000	none	all modes	2322.000-2355.000 ATV 2355.000-2365.000 Digital communications 2365.000-2370.000 Repeaters 2370.000-2392.000 ATV 2392.000-2400.000 Digital communications
2400,000 - 2450,000		amateu sattelite service	2400 - 2402 Narrow band segment in countries where the 2320-2322 segment is not available 2427.00 - 2443.00 ATV if no satellite uses this segment

3400 - 3475 MHz (9cm Band)

3400,000 - 340,800	500	MGM & Telegraphy	3400.100 EME Centre of activity 3400.750 - 3400.800 Local beacons
3400,800 - 3400,995	500	MGM & Telegraphy	Beacons only
3401,000 - 3402,000	2700	all modes	
3402,000 - 3410,000	none	all modes	sattelite downlinks
3410,000 - 3475,000	none	all modes	

5650 - 5668 MHz (6cm Band)

5650,000 - 5668,000	2700	all modes	Amateur Satellite service (uplink)
5668,000 - 5670,000	2700	all modes	5668.200 Narrow band center of activity (a) Amateur Satellite Service (up-link)
5670,000 - 5700,000	none	MGM	
5720,000 - 5760,000	none	all modes	
5760,000 - 5760,800	2700	all modes	5760.200 Narrow band center of activity 5760.750-5760.800 Local Beacon
5760,800 - 5760,990	none	MGM & Telegraphy	Beacons only
5761,000 - 5762,000	2700	all modes	

5762,000 - 5790,000	none	all modes	
5790,000 - 5850,000	none	all modes	Amateur Satellite service (down link)

10,000 - 10,500 GHz (3cm Band)

10000,000 - 10150,000	none	MGM	
10150,000 - 10250,000	none	all modes	
10250,000 - 10350,000	none	MGM	
10350,000 - 10368,000	none	all modes	
10368,000 - 10368,800	2700	all modes	10.3682 Narrow band center of activity 10368.750-10368.800 Local Beacon
10368,800 - 10368,990			Beacons only
10369,000 - 10370,000	2700	all modes	
10370,000 - 10450,000		all modes	
10450,000 - 10500,000		all modes	10.450-10.452 Narrow band modes in countries where 10.368-10.370 is not available AMATEUR SATELLITE SERVICE

24,000 - 24,250 GHz (1,2cm Band)

24000,000 - 24048,000		all modes	24.025 Wideband centre of activity
24048,000 - 24048,800	2700	all modes	24.0482 Narrow band centre of activity AMATEUR SATELLITE SERVICE NARROW BAND MODES 24048.750-24048.800MHz Local Beacon
24048,800 - 24048,995		all modes	Beacons only
24049,000 - 24050,000	2700	all modes	Amateur Satellite service Narrow band modes
24050,000 - 24250,000		all modes	

47,000 - 47,200 GHz (6mm Band)

47,000 - 47,200 GHz		all modes	
47,088000 GHz			

76,000 - 81,5 GHz (4mm Band)

76–77,5 GHz			
77,5–78 GHz			
78–81,5 GHz			

122,25–123 GHz (2,5mm Band)			
122,25–123 GHz			

134 -141 GHz (2mm Band)			
134–136 GHz			
136–141 GHz			

241 - 250 GHz (1,2mm Band)			
241–248 GHZ			
248–250 GHz			

