

14300 - 14350

2700

All modes

IARU Region 1 HF band plan

Effective 01 June 2016 edited by DK4VW FREQUENCY SEGMENT MAX BANDWIDTH (Hz) PREFERRED MODE AND USAGE CW, QRSS, narrow band digital modes 135,7 - 137,8 200 CW See NOTES CW CW, 472 - 475 200 Narrow band modes CW, Digimodes 475 - 479 (#) See NOTES CW 1810 - 1838 200 1836 kHz - CW QRP Centre of Activity MHz 1838 - 1840 500 Narrow band modes 8. 1840 - 1843 2700 All modes (1) Digimodes 1843 - 2000 2700 All modes (1) CW 3500 - 3510 200 Priority for intercontinental operation CW contest preferred 3510 - 3560 200 CW 3555 kHz - CW QRS Centre of Activity 3560 - 3570 CW 3560 kHz - CW QRP Centre of Activity 200 3570 - 3580 200 Narrow band modes Digimodes **Digimodes** 3580 - 3590 500 Narrow band modes MHz Narrow band modes 3590 - 3600 500 Digimodes, automatically controlled data stations (unattended) 3.5 3600 - 3620 2700 All modes (1) Digimodes, automatically controlled data stations (unattended) SSB contest preferred 3600 - 3650 2700 All modes (1) 3630 kHz - Digital Voice Centre of Activity 3690 kHz - SSB QRP Centre of Activity 3650 - 3700 2700 All modes SSB contest preferred 3700 - 3775 All modes 3735 kHz - Image Centre of Activity 2700 3760 kHz - R1 Emergency Centre of Activity SSB contest preferred, Priority for intercontinental operation 3775 - 3800 2700 All modes 5351.5 - 5354.0 200 CW, Narrow band modes see NOTES 5354.0 - 5366.0 2700 see NOTES All modes USB recommended for voice operation (##) 5366.0 - 5366.5 20(!) Weak signal narrow band modes see NOTES CW 7000 - 7040 200 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 Digimodes, automatically controlled data stations (unattended) All modes (1) 7053 - 7060 2700 All modes Digimodes SSB contest preferred All modes 7060 -7100 2700 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 SSB contest preferred 7130 - 7175 2700 All modes 7165 kHz - Image Centre of Activity 7175 - 7200 2700 SSB contest preferred, Priority for intercontinental Activity All modes CW 10100 - 10130 200 10116 kHz - CW QRP Centre of Activity 10130 - 10150 500 Narrow band modes Digimodes CW contest preferred, CW 14000 - 14060 200 14055 kHz - QRS Centre of Activity 14060 - 14070 CW 14060 kHz CW QRP Centre of Activity 200 14070 - 14089 500 Narrow band modes Digimodes 14089 - 14099 500 Digimodes, automatically controlled data stations (unattended) Narrow band modes 14099 - 14101 International Beacon Project Beacons exclusively 14101 - 14112 2700 All modes Digimodes, automatically controlled data stations (unattended) 4 14112 - 14125 2700 All modes SSB contest preferred 14130 kHz - Digital Voice Centre of Activity 14125 - 14300 2700 All modes 14195 +/- 5 kHz - Priority for DX-peditions 14230 kHz - Image Centre of Activity 14285 kHz - SSB QRP Centre of Activity

14300 kHz - Global Emergency Centre of Activity



MAX BANDWIDTH (Hz)

IARU Region 1 HF band plan

Effective 01 June 2016 edited by DK4VW

PREFERRED MODE AND USAGE

	(KHz)			
	18068 - 18095	200	CW	18086 kHz - CW QRP Centre of Activity
18 MHz	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	Digimode, 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
			Г	
21 MHz	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	Diginiodes, automatically controlled data stations (unattended), (not cob)
	21149 - 21151	300		Pagagna avaluaiyaly
	21149 - 21151		International Beacon Project	·
	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 MHz	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	24960 kHz - Digital Voice Centre of Activity
28 MHz	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
	29000 - 29100	6000	All modes	
	29100 - 29200	6000	All modes	FM simplex - 10 kHz channels
	29200 - 29300	6000	All modes	Digimodes, automatically controlled data stations (unattended)
	29300 - 29510	6000	Satellite Links	(dilationalida)
	29510 - 29520	0000	Guard Channel	
	29520 - 29590	6000	All modes	FM-Repeater input (RH1 - RH8)
			All modes	
	29600	6000		FM Calling channel FM Simpley Reporter (parent input a putput)
	29610	6000	All modes	FM Simplex-Repeater (parrot, input + output)
	29620 - 29700	6000	All modes	FM-Repeater output (RH1-RH8)

DEFINITIONS

CW, Phone and those other modes listed as Centres of Activity, plus AM (consideration should then be given to All modes

adjacent channel users)

All modes using up to 500 Hz bandwidth, including CW, RTTY, PSK etc. Narrow band modes

Any digital mode within the appropriate bandwidth, e.g. RTTY, PSK, MT63 etc. Digimodes

Image modes Any analogue or digital image modes within the appropriate bandwidth, e.g. SSTV, FAX

NOTES

The frequencies in the bandplan are understood as "transmitted frequencies" (not those of the suppressed carrier!)

(1) Lowest dial setting for LSB Voice mode: 1843, 3603, 7053 kHz

(#) maximum bandwidth not specified, 500 Hz suggested

(##) Highest dial setting for USB Voice mode on the 60m band: 5663 kHz

CW CW QSOs are accepted across all bands, except within beacon segments. (DV05_C4_Rec_13)

Sideband usage Sideband Usage: Below 10 MHz lower sideband (LSB) is recommended, and above 10 MHz use upper

sideband (USB). The exception to this is on the 5 MHz band where USB is recommended.

AM Amplitude modulation (AM) may be used in the telephony sub-bands providing consideration

is given to adjacent channel users. (NRRL Davos 05).

OUT OF BAND:To prevent any out of band transmission the maximum dial setting for USB (upper sideband)

Voice mode should be 3 kHz below upper band edge on bands 20m to 10m.

630m band - 472 - 479 kHz:

Details shown in band plan above should be understood as "proposed usage" (VA14_C4_Rec_02)

If a frequency is to be selected, particular attention must be paid to still existing Non Directional Beacons (NDB) of the radionavigaton service!

60m band - 5351.5 - 5366.5 kHz

Details shown in band plan above should be understood as "proposed usage" (VIE16_C4_Rec_02)

It is strongly recommended that frequencies within WRC-15 allocation only be used if there are no other frequencies available at 5 MHz under domestic (ITU-R article 4.4) permissions.

Local nets and long rag chew QSOS should not use the WRC-15 allocation at 5 MHz but should instead make use of the 3.5 MHz, 5 MHz domestic, or 7 MHz bands where there is more spectrum available.

Contests

Contest activity shall not take place on the 5, 10, 18 and 24 MHz bands.

Non-contesting radio amateurs are recommended to use the contest-free HF bands (30, 17 and 12m) during the largest international contests. (DV05_C4_Rec_07)

Member societies are encouraged to publish contest operating segments clearly in the rules of their contest and that those segments are considered with due respect to the IARU band plans. (Rec SC11_C4_02).

The CW contest-preferred segment from 7000-7025 kHz has been withdrawn from the Region 1 band plan. Societies should (therefore) encourage contest organisers to include a rule that restricts contest activity to a limited frequency range within the CW allocation. The choice of the frequency segment is left to the disccretion of the contest organisers, but should take into account expected activity levels and show consideration for non-contest operation. (SC11_C4_Rec_05).

Unmanned transmitting stations

The term "automatically controlled data stations" includes Store and Forward stations.

Member Societies are reminded of the recommendation in the IARU Region 1 HF Band Plan 'that any unmanned transmitting stations on HF shall only be activated under operator control, except for beacons agreed with the IARU Region 1 Beacon Coordinator'.

Unmanned transmitting stations, and operation involving unmanned transmitting stations, must adhere to the frequency and bandwidth limits of the band plan.

The operator connecting to an automatically controlled unmanned transmitting station is responsible for not causing interference.

This is particularly important in the 30 meter band where the amateur service only has secondary status.

Amateur radio operators may transmit messages via unmanned transmitting stations during coordinated emergency, and disaster preparedness exercises, limited to the duration of such exercises, using a bandwidth not exceeding 2 700 Hz. Such communication should be announced regularly on the frequency, and radio amateurs not participating in the communication should cooperate by not transmitting on the frequency. (VA14_C4_Rec_06)

Remote controlled operation on HF

Remote controlled operation is defined to mean operation where a licensed operator controls an amateur radio station from a remote control terminal.

Where a station is operated remotely, the following conditions shall apply:

Remote operation must be permitted, or not objected to, by the Regulatory Authority of the country where the station is located.

- 1. The call sign to be used should be the call sign issued by the Regulatory Authority of the country in which the station is located. This applies irrespective of the location of the operator.
- 2. It should be noted that the CEPT T/R 61-01 agreement only applies to people using their own call sign, with the appropriate country prefix, when the operator is actually vising that country, not for operation.
- 3. Any further requirements regarding the participation of remotely controlled stations in contests or award programms are a matter for the various contests or award program organisers. (SC11_C4_REC_07), (VA14_C4_REC_04)

History

2005 Davos Introduction of band plan by bandwidth. Effective 1 January 2006

2008 Cavtat Several modifications Effective 29 March 2009

CW segment extended from 7000-7035 kHz to 7000-7040 kHz.

Narrow band modes, digimodes segment moved and extended from 7035-7038 kHz to 7040-7047 kHz.

Narrow band modes, digimodes, segment for automatically controlled stations (unattended)

moved and extended from 7038-7040 kHz to 7047-7050 kHz.

All modes, digimodes, segment for automatically controlled stations (unattended)

moved from 7040-7043 kHz to 7050-7053 kHz.

Introduction of all modes, digimodes segment 7053-7060 kHz.

Introduction of CW preferred contest segment 7000-7025 kHz.

Introduction of SSB preferred contest segments 7060-7100 kHz and 7130-7200 kHz

Introduction of Digital Voice Activity Centres:

3630 kHz, 7070 kHz, 14130 kHz, 18150 kHz, 21180 kHz, 24960 kHz, 28330 kHz.

2011 Sun City Several modifications Effective 17 August 2011

CW contest preferred segment 7000-7025 kHz withdrawn.

Segment 29100-29200 kHz changed from max. bandwidth 2700 Hz to max. 6000 Hz.

Introduction of new segment 29100-29200 kHz for FM simplex operation (10 kHz channels).

Removal of FM simplex channels 29520-29550 kHz and 29610-29650 kHz.

Number of FM Repeater channels increased to eight; former FM simplex channels

became new repeater input, respectively repeater output channels.

FM repeater channels renumbered, RH1 = 29520 kHz / 29620 kHz, RH8 = 29590 kHz / 29690 kHz

Introduction of FM Simplex Repeater 29610 kHz (parrot, input + output)

2014 Varna Several modifications Effective 26 September 2014

Change of max. bandwidth from 2700 Hz to max. 6000 Hz in segment 29000 - 29100 kHz.

Satellite segment 29300 - 29510 kHz: removal of downlink restriction

2016 Vienna Several modifications * Effective 01 June 2016

* to be ratified at 2017 General Conference

Digimode segment with max. bandwidth of 500 Hz extended from 10130 kHz to 10150 kHz

Introduction of Digimode segment 3570 kHz - 3580 kHz with max. bandwidth of 200 Hz