

IARU REGION 1 HF BAND PLAN - Effective 1st January 2006

FREQUENCY (kHz)	MAX BAND-WIDTH (Hz)	PREFERRED MODE AND USAGE
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137 kHz Band

No rigid band plan is proposed for 135 -137 kHz

Only for Experimental work

135.7 - 136.0	200	CW, station tests, QRSS
136.0 - 137.4	200	CW
137.4 - 137.6	200	Digimodes, except CW
137.6 - 137.8	200	CW, QRSS Centre of Activity 137.7 kHz

1,8 MHz Band

1810 - 1838	200	CW, QRP Centre of Activity 1836 kHz
1838 - 1840	500	Narrow band modes
1840 - 1843	2700	All modes - digimodes, (*)
1843 - 1850	2700	All Modes, (*), upper limit ZS & ZR
1843 - 2000	2700	All modes, (*)

Primary Allocation

ZR have same access to band as ZS

No ZU operation allow

South African allocation 1810 to 1850 kHz

ZS = 26 dBW; ZR = 20 dBW

All modes except pulse and fast scan TV allowed

3,5 MHz Band

3500 - 3510	200	CW, priority for intercontinental operation
3510 - 3560	200	CW, contest preferred, QRS Centre of Activity 3555 kHz
3560 - 3580	200	CW, QRP Centre of Activity 3560 kHz
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 station (unattended), (*)
3600 - 3650	2700	All modes, SSB contest preferred, (*)
3650 - 3700	2700	All modes, SSB QRP Centre of Activity 3690 kHz
3700 - 3800	2700	All modes, SSB contest preferred, Image Centre of Activity 3735 kHz, Region 1 Emergency Centre of Activity 3760 kHz
3775 - 3800	2700	All modes, priority for intercontinental operation

Co-primary allocation

ZS = 26 dBW; ZR = 20 dBW; ZU = 13 dBW

Region 1 Emergency Centre of Activity 3760 kHz

Intercontinental operations should be given priority in the segments 3500-3510 kHz and 3775-3800 kHz

Where no DX traffic is involved, the contest segments should not include 3500-3510 kHz or 3775-

3800 kHz. Member societies will be permitted to set other (lower) limits for national contests (within these limits).

3510-3600 kHz may be used for unmanned ARDF beacons (CW A1A) (Recommendation DV05_C4_Rec_12)

Member societies should approach their national telecommunication authorities and ask them not to allocate frequencies to other than amateur stations in the band segment that IARU has assigned to intercontinental long distance traffic.

7 MHz Band

7000 - 7035	200	CW, QRP Centre of Activity 7030 kHz
7035 - 7038	500	Narrow band modes - digimodes
7038 - 7040	500	Narrow band modes - digimodes, automatically controlled data stations (unattended)
7040 - 7043	2700	All modes - digimodes, automatically controlled data stations (unattended), *
7043 - 7100	2700	All modes, Image Centre of Activity 7043 kHz, Region 1 Emergency Centre of Activity 7060 kHz, SSB QRP Centre of Activity 7090 kHz, (1)
7100 - 7200	2700	All modes (2009: 200 Hz and 500 Hz segments below 7100 kHz will be extended)

Primary allocation

South Africa does not yet have access to 7100 - 7200 kHz

ZS = 26 dBW; ZR = 20 dBW; ZU = 13 dBW

ZR and ZU have full access to band

All modes except pulse and fast scan TV allowed Region 1 Emergency Centre of Activity 7060 kHz

The band segment 7035-7045 kHz may be used for automatically controlled data stations (unattended) traffic in the area of Africa south from the equator during local daylight hours.

10 MHz Band

10100 - 10140	200	CW, QRP Centre of Activity 10116 kHz
10140 - 10150	500	Narrow band modes - digimodes

Secondary allocation

ZS = 26 dBW

ZR and ZU do not have access to band

All modes except pulse and fast scan TV allowed

SSB may be used during emergencies involving the immediate safety of life and property and only by stations actually involved in the handling of emergency traffic.

The band segment 10120 kHz to 10140 kHz may be used for SSB transmissions in the area of Africa south of the equator during local daylight hours.

News bulletins on any mode should not be transmitted on the 10 MHz band.

14 MHz Band

14000 - 14060	200	CW, contest preferred, QRS Centre of Activity 14055 kHz
14060 - 14070	200	CW, QRP Centre of Activity 14060 kHz
14070 - 14089	500	Narrow band modes - digimodes. ZR access
14089 - 14099	500	Narrow band modes - digimodes, automatically controlled data stations (unattended) ZR access
14099 - 14101		IBP, exclusively for beacons
14101 - 14112	2700	All modes - digimodes, automatically controlled data stations (unattended)

14112 - 14125	2700	All modes
14125 - 14300	2700	All modes, SSB contest preferred, Priority for Dxpeditions 14195 kHz \pm 5 kHz, Image Centre of Activity 14230 kHz, SSB QRP Centre of Activity 14285 kHz
14225 - 14250	2700	ZR access - All modes, SSB contest preferred; Image Centre of Activity 14230 kHz.
14300 - 14350	2700	All modes, Global Emergency centre of activity 14300 kHz.

Primary allocation

ZS = 26 dBW; ZR = 20 dBW

ZR have access to 14070 - 14099 kHz and 14225 - 14250 kHz

No ZU operation allow

All modes except pulse and fast scan TV allowed

18 MHz Band

18068 - 18095	200	CW, CW QRP Centre of Activity 18086 kHz
18095 - 18105	500	Narrow band modes - digimodes
18105 - 18109	500	Narrow band modes - digimodes, automatically controlled data stations (unattended)
18109 - 18111		I BP, exclusively for beacons
18111 - 18120	2700	All modes - digimodes, automatically controlled data stations (unattended)
18120 - 18168	2700	All modes, Global Emergency centre of activity 18160 kHz

Primary allocation

ZS = 26 dBW

ZR and ZU do not have access to band

All modes except pulse and fast scan TV allowed

21 MHz Band

21000 - 21070	200	CW, QRS Centre of Activity 21055 kHz, CW QRP Centre of Activity 21060 kHz
21070 - 21090	500	Narrow band modes - digimodes. ZR access
21090 - 21110	500	Narrow band modes - digimodes, automatically controlled data stations (unattended). ZR access
21110 - 21120	2700	All modes (excluding SSB) - digimodes, automatically controlled data stations (unattended). ZR access
21120 - 21149	500	Narrow band modes
21149 - 21151		I BP, exclusively for beacons
21151 - 21450	2700	All modes, SSB QRP Centre of Activity, 21285 kHz, Image Centre of Activity 21340 kHz, Global Emergency Centre of Activity 21360 kHz,
21300 - 21450	2700	ZR access - All modes; Image Centre of Activity 21340 kHz, Global Emergency Centre of Activity 21360 kHz.

Primary allocation

ZS = 26 dBW; ZR = 20 dBW

ZR have access to 21070 - 21120 kHz and 21300 - 21450 kHz

No ZU operation allow

All modes except pulse and fast scan TV allowed

Global Emergency Centre of Activity 21360 kHz

24 MHz Band

24890 - 24915	200	CW, CW QRP centre of activity 24906 kHz
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24915 - 24925	500	Narrow band modes - digimodes
24925 - 24929	500	Narrow band modes - digimodes, automatically controlled data stations (unattended)
24929 - 24931		I BP, exclusively for beacons
24931 - 24940	2700	All modes - digimodes, automatically controlled data stations (unattended)
24940 - 24990	2700	All modes

Primary allocation

ZS = 26 dBW

ZR and ZU do not have access to band

All modes except pulse and fast scan TV allowed

28 MHz Band

28000 - 28070	200	CW, QRS Centre of Activity 28055 kHz, CW QRP Centre of Activity 28060 kHz
28070 - 28120	500	Narrow band modes - digimodes
28120 - 28150	500	Narrow band modes - digimodes, automatically controlled data stations (unattended)
28070 - 28120	500	ZR & ZU access - Narrow band modes - digimodes.
28120 - 28150	500	ZR & ZU access - Narrow band modes - digimodes, automatically controlled data stations (unattended).
28150 - 28190	500	Narrow band modes
28190 - 28199		I BP, regional time shared beacons
28199 - 28201		I BP, worldwide time shared beacons
28201 - 28225		I BP, continuous duty beacons
28225 - 28300	2700	All modes - beacons
28300 - 28320	2700	All modes - digimodes, automatically controlled data stations (unattended)
28320 - 29200	2700	All modes, SSB QRP Centre of Activity 28360 kHz, Image Centre of Activity 28680 kHz
28300 - 28320	2700	ZR & ZU access - All modes - digimodes, automatically controlled data stations (unattended).
28320 - 28500	2700	ZR & ZU access - All modes, SSB QRP Centre of Activity 28360 kHz.
29200 - 29300	6000	All modes - digimodes, automatically controlled data stations (unattended)
29300 - 29510	6000	Satellite-downlink
29510 - 29520		Guard channel
29520 - 29550	6000	All modes - FM simplex - 10 kHz channels
29560 - 29590	6000	All modes - FM repeater input (RH1 - RH4)
29600	6000	All modes - FM calling channel
29610 - 29650	6000	All modes - FM simplex - 10 kHz channels
29660 - 29700	6000	All modes - FM repeater outputs (RH1 - RH4)

Primary allocation

ZS = 26 dBW; ZR = 20 dBW; ZU = 13 dBW

ZR & ZU have access to 28070 - 28150 kHz and 28300 - 28500 kHz

No ZU operation allow All modes except pulse and fast scan TV allowed
 Experimentation with NBFM Packet Radio on 29 MHz band: Preferred operating frequencies on each 10 kHz from 29.210 to 29.290 MHz included should be used. A deviation of ± 2.5 kHz being used with 2.5 kHz as maximum modulation frequency.

29700 - 30000	6000	All modes
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Secondary allocation ZS = 26 dBW
 ZR & ZU have no access to this segment All modes allowed
 Secondary basis during exercises and emergency situations. Single frequency mobile allocations

- ▶ **Sideband Usage:** Below 10 MHz use lower sideband (LSB), above 10 MHz use upper sideband (USB)
- ▶ Amplitude modulation (AM) may be used in the telephony sub-bands providing consideration is given to adjacent channel users.

DEFINITIONS

- ▶ **All modes:** CW, SSB and those modes listed as Centres of Activity, plus AM (Consideration should be given to adjacent channel users).
- ▶ **Image modes:** Any analogue or digital image modes within the appropriate bandwidth, for example SSTV and FAX.
- ▶ **Narrow band modes:** All modes using up to 500 Hz bandwidth, including CW, RTTY, PSK etc.
- ▶ **Digimodes:** Any digital mode used within the appropriate bandwidth, for example RTTY, PSK, MT63 etc.
- ▶ (*) Lowest dial setting for LSB: 1843, 3603 and 7043 kHz.

Notes

- ▶ CW QSOs are accepted across all bands, except within beacon segments. (Recommendation DV05_C4_Rec_13)
- ▶ Contest activity shall not take place on the 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_Rev_07)
- ▶ The term "automatically controlled data stations" includes Store and Forward stations.
- ▶ Transmitting frequencies: The announced frequencies in the bandplan are understood as "transmitted frequencies" (not those of the suppressed carrier!)
- ▶ Unmanned transmitting stations: IARU member societies are requested to limit this activity on the HF bands. It is recommended 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, or specially licensed experimental stations.