

Effective Date:20 APRIL 2008

ALE Automatic Link Establishment Channel List International Amateur Radio Service						
CH #	FREQ kHz	SIDE BAND	COMM USE	DESCRIPTION	NET NAME	IARU Region Activity
01	1806.0	USB	DATA	Local	QRZ	Region 2 Region 3
02	1840.5	USB	DATA	Local	QRZ	Region 1
03	1845.0	USB	VOICE	International and Emergency/Disaster Relief	HFL	All Regions
04	1996.0	USB	VOICE	North America	HFL	Region 2
05	3584.5	USB	DATA	Regional	QRZ	Region 2 Region 3
06	3596.0	USB	DATA PRIMARY	Global High Frequency Network and Emergency/Disaster Relief	HFN	Pilot Region 2
07	3617.0	USB	DATA	Regional	QRZ	Pilot Region 1
08	3626.0	USB	DATA VOICE	Regional	QRZ	All Regions
09	3791.0	USB	VOICE PRIMARY	International, DX, and Emergency/Disaster Relief	HFL	All Regions
10	3845.0	USB	VOICE	North America East	HFL	Region 2
11	3996.0	USB	VOICE	North America West	HFL	Region 2
12	*5371.5	USB	EMERGENCY	Emergency/Disaster Relief	-	All Regions
13	*5403.5	USB	EMERGENCY	Emergency/Disaster Relief	-	All Regions
14	7040.5	USB	DATA	International	QRZ	Pilot Region 1
15	7065.0	USB	VOICE DATA	International	QRZ	All Regions
16	7099.5	USB	DATA	Regional	QRZ	All Regions
17	7102.0	USB	DATA PRIMARY	Global High Frequency Network and Emergency/Disaster Relief	HFN	Pilot Region 2 Region 1 Region 3
18	7110.5	USB	DATA	Regional	QRZ	All Regions
19	7185.5	USB	VOICE PRIMARY	International/Regional and Emergency/Disaster Relief	HFL	All Regions
20	7296.0	USB	VOICE	North America West	HFL	Region 2

21	10136.5	USB	DATA VOICE	International, Regional	QRZ	All Regions
22	10142.5	USB	DATA	International	QRZ	All Regions
23	10145.5	USB	DATA PRIMARY	Global High Frequency Network and Emergency/Disaster Relief	HFN	Pilot All Regions
24	14100.5	USB	DATA	International	QRZ	All Regions
25	14109.0	USB	DATA PRIMARY	Global High Frequency Network and Emergency/Disaster Relief	HFN	Pilot All Regions
26	14112.0	USB	DATA	International	QRZ	All Regions
27	14342.5	USB	VOICE	International	QRZ	All Regions
28	14346.0	USB	VOICE PRIMARY	International/Regional and Emergency/Disaster Relief	HFL	All Regions
29	18104.5	USB	DATA	International	QRZ	All Regions
30	18106.0	USB	DATA	Global High Frequency Network and Emergency/Disaster Relief	HFN	Pilot Region 2 Pilot Region 3
31	18117.5	USB	VOICE PRIMARY	International/Regional and Emergency/Disaster Relief	HFL	All Regions
32	18157.5	USB	VOICE	International	QRZ	All Regions
33	21096.0	USB	DATA PRIMARY	Global High Frequency Network and Emergency/Disaster Relief	HFN	Pilot Region 2 Pilot Region 3
34	21116.0	USB	DATA	International	QRZ	Pilot Region 1
35	21437.5	USB	VOICE PRIMARY	International/Regional and Emergency/Disaster Relief	HFL	All Regions
36	24926.0	USB	DATA PRIMARY	International and High Frequency Network and Emergency/Disaster Relief	HFN	Pilot All Regions
37	24932.0	USB	VOICE PRIMARY	DX/Regional Voice and Emergency/Disaster Relief	HFL	All Regions
38	28146.0	USB	DATA PRIMARY	International and High Frequency Network and Emergency/Disaster Relief	HFN	Pilot Region 2 Pilot Region 3
39	28312.5	USB	VOICE PRIMARY	International/Regional and Emergency/Disaster Relief	HFL	All Regions Pilot Region 1
40	28327.5	USB	VOICE	International; Local	QRZ	All Regions
41	50162.5	USB	VOICE DATA	Local	QRZ	All Regions
42	144162.5	USB	VOICE DATA	Local	QRZ	All Regions

PRIMARY NETS - AMATEUR RADIO ALE

Net Call : HFN

Global High Frequency Network

Type: Open Primary DATA Net

10 Time Slots

Any ham may join this net in SLOT#1 only.

All other slots are reserved for

HFN Pilot Stations

Sounding: Automatic

Scan all channels in this list:

3596.0 USB International

7102.0 USB International

10145.5 USB International

14109.0 USB International

18106.0 USB International

21096.0 USB International

24926.0 USB International

28146.0 USB International

Net Call : HFL

Voice Net, and International

Emergency/ Disaster Relief Net

Type: Open Primary VOICE Net

10 Time Slots

Any ham may join this net in any random Slot.

Sounding: Manual

Pick a maximum of 10 channels

to scan in this list:

1845.0 USB International

1996.0 USB North America

3791.0 USB International

3845.0 USB North America East

3996.0 USB North America West

7185.5 USB International, N.America East

7296.0 USB North America West

14346.0 USB International

18117.5 USB International

21437.5 USB International

24932.0 USB International

28312.5 USB International

INFORMATION ABOUT AMATEUR RADIO ALE CHANNELS

Note 1 All Amateur Radio ALE channels use "USB" Upper SideBand (including frequencies below 10MHz). USB conforms to International Standards for Automatic Link Establishment, and enables interoperability.

This ALE channel list is in everyday use in the Amateur Radio service, for normal communication internationally, regionally, and locally. ALE channels are frequency coordinated internationally, and subject to the different rules, regulations, and bandplans of the region and local country of operation. It is the responsibility of every operator to maintain the highest standards for all transmissions. Some channels or modes in the list may not be available in every country. The HF spectrum is a shared resource, so there is no guarantee that a channel is clear in a local area or region. There are many channel frequencies; please select a different channel as needed whenever one is occupied.

Note 2 Amateur ALE standards:

1. ALE System= MIL-STD 188-141 ; FED-1045 (8FSK - 2kHz Bandwidth)
2. If repetitive sounding, transmit soundings only on the Primary Data Channels or Pilot Channels for your IARU Region.
3. Calling or sounding transmission: Maximum Duration = 22 seconds.
4. Sounding Interval= 60 Minutes (or more) for same channel.
- Note 3 5. When sounding, always use "This Was Sound" (TWS).
6. Scan rate: 1 channel per second when scanning 10 channels or less.
7. Scan rate: 2 ch/sec or faster when scanning 11 channels or more.
8. Digital Modes Centre Audio Frequency = 1625Hz
9. Short text messaging standard = AMD .
10. Always transmit "CLEAR LINK" after ALL CALLS, QSOs, and LINKS!
11. For manual text QSOs, operators should QSY off the Primary Data Channel.

Note 4 Amateur ALE Net Calls

1. HFN = Global High Frequency Network (HFN Pilot Stations)
HFN net has 10 slots. All users assign Self in slot #1 only
Slots 2-10 are **HFN Pilot Stations Only!**
2. HFL = Calling Any Voice Station (10 slots, users randomly assign self to any slot)
3. QRZ = Calling Any Station (3 slots, users randomly assign self to any slot)
4. HAM = EMERGENCY and Disaster Relief Only, Interoperation between Ham-NGO-GOV (10 slots assigned)
5. GPR = Geo Position Reports (3 slots, users randomly assign self to any slot)
6. RPT = Station Status Reports (3 slots, users randomly assign self to any slot)

The 5MHz channels' use and frequencies may vary in each country. Although 5MHz ALE transmissions are authorised in some countries, USA does not yet allow it on 5MHz.

Note 5* Therefore, operators in USA may receive monitor the 5MHz channels, but care should be taken to *lock out* the transmitter from making ALE transmissions (except in case of an *Emergency*). See your country's rules.

Note 6 HFLINK is an international resource: for radio operators using ALE Automatic Link Establishment and Selcall Selective Calling; for the development of communications for organisations, Emergency / Disaster Relief networks; and for the development of ALE operating methods applicable to Amateur Radio Service. HFLINK is the Frequency and Address Coordination group for International Amateur Radio ALE and Selective Calling.

Note 7 This channel list is located on the internet at <http://hflink.com/>

Date Effective on 20 APRIL 2008 (20-04-08), this list supersedes all previous channel lists.

Info For more information about ALE please see the website: <http://hflink.com>

Version HFLINK2008A

OTHER AMATEUR RADIO ALE NETS

Net Call : QRZ

Type: Open VOICE or DATA Net

General purpose

3 Slots

Users in any random Slot

Sounding: Manual

Scan any number of channels in this list:

1806.0 USB International

1840.5 USB International

3584.5 USB International

3617.0 USB International

3626.0 USB International

7040.5 USB International

7065.0 USB International

7099.5 USB International

7110.5 USB International

10136.5 USB International

10142.5 USB International

14100.5 USB International

14112.0 USB International

14342.5 USB International

18104.5 USB International

18157.5 USB International

21116.0 USB International

28327.5 USB International

50162.5 USB International

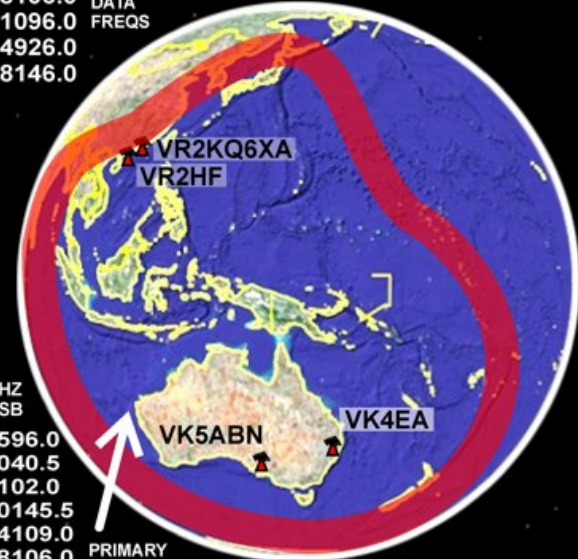
144162.5 USB International

[FOR A LIST OF MORE NETS PLEASE CLICK HERE](#)

GLOBAL ALE HIGH FREQUENCY NETWORK HFN



KHZ
USB
3596.0
7102.0
10145.5
14109.0
18106.0
21096.0
24926.0
28146.0
PRIMARY
DATA
FREQS



KHZ
USB
3596.0
7040.5
7102.0
10145.5
14109.0
18106.0
21096.0
24926.0
28146.0
PRIMARY
DATA
FREQS



KHZ
USB
3617.0
7040.5
7102.0*
10145.5*
14109.0
18106.0
21096.0
24926.0
28146.0
PRIMARY
DATA
FREQS



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