

LF, Low Frequency, guide for 30.0 – 150 kHz

Updated 05082002

- 30.30 UGKZ: CIS MIL / Navy, Kaliningrad, Kaliningrad oblast, Russia. No recent info
- 31.25 --: TV line scan frequency, 2nd harmonic
- 33.30 NGR: US Navy, Kato Soli, Greece OFF-AIR
- 37.20 XLC: US SAC, Hawes, California, USA OFF-AIR
- 37.50 NRK: US Navy, NRTF Grindavik, Iceland F1B MSK 200 Hz bw, encrypted bitstream
(see also 57.40 kHz)
- 38.00 SRC: Swedish Navy, Ruda tx site, Sweden A1A morse, F1B 170 Hz shift
- 40.00 JG2AS: Sanwa, Iberaki, Japan, replaced by JJY and OFF AIR
- 40.00 JJY: Mt. Okadaoya tx site, Fukushima prefecture, Japan. 200 km north of Tokyo
37:22N 140:51E ERP ~10 kW operated by Communications Research Laboratory
CRL in Tokyo. <http://jjy.crl.go.jp/> Time Signal station
- 40.40 SRC: Swedish Navy, Varberg tx site, Sweden A1A morse, F1B 170 Hz shift
- 40.75 NAU: US Navy, NRTF Aguada, Puerto Rico, USA F1B MSK
- 42.50 SRC: Swedish Navy, Varberg tx site, Sweden. A1A morse, F1B 170 Hz shift
- 44.00 VHB: Royal Australian Navy, Belconnen, Australia. OFF-AIR
- 44.10 SRC: Swedish Navy, unid tx site, poss Stockholm area (?), Sweden. A1A morse, F1B
170 Hz shift. This could be a mobile site, as it has only been logged during an
naval excersise.
- 45.90 NSY: US Navy, NRTF Niscemy Italy F1B MSK 200 Hz bw, encrypted bitstream
- 46.875 --: TV line scan frequency, 3rd harmonic
- 48.50 FXL: US SAC, Silver Creek, USA. OFF-AIR
- 49.00 SXA: Greek Navy, Pireus, Agia Marina, Attica, Greece OFF-AIR
- 50.00 RTZ: Irkutz, Russia. 52:26N 103:41E Time signal station. ERP 10 kW Transmission
times Winter: 2200-2100UTC Summer: 2100-2000UTC (0100-2400 Moskva time)
(exc. 0000- 0800 1st, 3rd, 4th Monday each month)
- 50.00 OMA: Praha, Czech Republic. Time signal station. OFF-AIR
- 51.60 NSS: US Navy, Annapolis, USA. OFF-AIR
- 51.90 GIZ1 (?): Royal Navy, unid location
- 51.95 GYW1: Royal Navy, Crimond, Scotland F1B 85 Hz shift / 50 Bd, encrypted traffic
- 53.00 DHJ59: Bundesmarine, Wilhelmshafen, Germany
- 53.40 TBG: Turkish Navy, Canakkale, Turkey. F1B 85 Hz shift
- 53.60 RTO: Moskva, Russia. OFF-AIR
- 54.00 NDI: US Navy, NRTF Awase, Okinawa, USA
- 55.00 NPG: US Navy, NRTF Dixon, California, USA
- 55.50 GXH: Royal Navy, Thurso, Scotland. OFF-AIR
- 56.40 --: unid Royal Navy. No recent info
- 57.40 NRK: US Navy, NRTF Grindavik, Iceland F1B MSK 200 Hz bw, encrypted bitstream
Secondary fx ? (Mostly operational when 37.50 kHz are off-air, but at times also 37.50

KHz active in parallel. Two tx / antenna sites at NRTF Grindavik ?)
57.70 LBA: Norwegian Navy, Trondheim, Rinnleiret tx site, Norway. F1B encrypted data.
58.40 --: unid, observed with test transmissions, carrier only, August 2001.

60.00 WWVB: Ft. Collins, Colorado, USA. 40:41N 105:02W Operated by National Institute of Standards and Technology NIST Time and Frequency division.

<http://www.boulder.nist.gov/timefreq/> Time signal station

60.00 MSF: NPL Teddington, Rugby tx site, UK. 52:22N 1:11W Operated by National Physics Laboratory <http://www.npl.co.uk/npl/ctm> Time signal station

60.00 JJY: Mt. Hagane tx site, Saga prefecture, Kyushu Island, Japan 33:28N 130:11E ERP ~10 kW operated by Communications Research Laboratory CRL in Tokyo.

<http://jyy.crl.go.jp/> Time Signal station

61.75 GYA1: Royal Navy, unid tx site, UK

61.835 --: unid station F1B/100/85 encrypted traffic

61.835 --: Royal Navy, Inskip, UK Observed with two channel operation; 61.8 and 62.0 Khz

61.94 --: unid RTTY 50/79Hz 1.5 stopbit, cont. Foxes, no callsign. Observed 12Aug 01 in The Netherlands

62.50 --: TV line scan frequency, 4th harmonic

62.60 FUE: French Navy, Brest, France

63.80: --: unid, no further info

64.55 GBV20: Royal Navy, Rugby, UK F1B 85 Hz shift / 100Bd, encrypted bitstream

64.60 --: unid, no further info

65.80 FUE: French Navy, Brest, France F1B 85 Hz shift / 200 Bd, encrypted bitstream

66.66 RBU: Moskva, Russia. Time signal station. Carrier frequency is actually; 200 Khz : 3 = 66 2/3 kHz (NOT 66.67 kHz ☺) 10 kW Jan-Jun: 0252-0313, 0852-0913, 1452-1513, 2052-2113 (exc. 0500-1300 third Tu of each month)

68.00 GYD20: Royal Navy, Rugby, Warwickshire, UK

68.50 --: unid, observed with test transmissions, carrier only, September 2001.

68.90 DHJ59: Bundesmarine, Gluecksburg, Germany

69.70 – 71.27 MARS-75 CIS MIL hyperbolic radio navigation. The current status of the navaid is uncertain, but MARS-75 signals from the Baltic chain, are monitored at irregular intervals.

70.20 --: Observed with MARS-75 activity, CIS MIL hyperbolic navaid. Baltic chain (?)

73.25 GBV20: Royal Navy, Rugby / Criggion (?), UK

73.30 MTO21: Royal Navy, Crimond, Scotland

73.60: CFH: Canadian Forces, Halifax, NS, Canada

75.00 HBG: Observatoire Neuchatel, Nyon / Prangins, Switzerland. 46:24N 06:15E Operated by Observatoire Cantonal de Neuchâtel <http://www.ne.ch/admCantonale/observatoire/> Time signal station

76.20 CKN: Canadian Forces, Vancouver, BC, Canada

77.15 NAM: US Navy, Norfolk, Virginia, USA. OFF-AIR

77.50 DCF77: PTB Braunschweig, Mainflingen tx site, Germany. 50:01N 09:00E Operated by Physikalisch-Technische Bundesanstalt <http://www.ptb.de> Time signal station

78.125 --: TV line scan frequency, 5th harmonic

78.20 GYA2: Royal Navy, (Whitehall), unid tx site, UK F1B 75 Hz shift / 100Bd, encrypted bitstream

81.00 GYN2: Royal Navy, Northwood, Inskip tx site, UK F1B 85 Hz shift, encrypted

bitstream

82.75 MKL: RAF Kinloss, Scotland. (NATO) F1B 85 Hz shift, encrypted bitstream

83.10 OFA: Helsinki, Finland. OFF-AIR

83.80 FTA83: Saint Andre de Corcy, France. OFF-AIR

84.90 --: unid FSK September 2000

87.00 --: unid, no further info

87.80 --: unid, no further info

88.00 NSS: US Navy, Annapolis, USA: OFF-AIR

90 – 110 LORAN radio navigation. World wide navaid.

93.75 --: TV line scan frequency, 6th harmonic

109.375 --: TV line scan frequency, 7th harmonic

111.30 SOA211: Warszawa Meteo, Warszawa, Poland. OFF-AIR

111.80 --: unid, Zcech republic ? No further info

115.20 --: unid, beacon. Not currently active

118.45 IDQ: Roma, Italy. OFF-AIR

118.80 GYE(?): Royal Navy, unid tx site, UK

119.00 IDQ: Roma, Italy. OFF-AIR

119.80 SXA: Greek Navy, Pireus, Agia Marina, Attica, Greece OFF-AIR

120.85 --: unid, weak F1B MSK. June 2002 (see also 120.9 kHz below)

120.90 --: unid, weak MSK, narrow BW, observed at irregular intervals, night-time only

121.20 --: unid, observed with test transmissions, carrier only, September 2001.

122.30 OUA: Danish Navy, NAVCOMMEN, Aarhus, Denmark

122.50 DCF42: IFAG Potsdam, Mainflingen tx site, Germany. 50:01N 09:00E Pilot tone (carrier only)

122.50 CFH: Canadian Forces, Halifax, Canada. 75 Bd/50Hz shift, weather txm.

123.70 DCF42: IFAG Potsdam, Mainflingen tx site, Germany. ALF DGPS 300Bd

ALF: - Accurate positioning by Low Frequency. Operated by:

Bundesamt für Kartographie und Geodäsie www.potsdam.ifag.de/alf/

124.00 CKN: Canadian Forces, Maritime HQ, CFB Dockyard, BC. Equimalt tx site, BC.

125.00 --: TV line scan frequency, 8th harmonic

125.80 --: unid, no further info

128.90 DCF49: EFR Berlin, Mainflingen tx site, Germany. Pilot carrier only

129.00 --: unid, RTTY. Unreadable, October 2000. No further info

129.10 DCF49: EFR Berlin, Mainflingen tx site, Germany. Ripple control ASCII 200Bd, 340 Hz shift. Operated by EFR, Europäische Funk-Rundsteuerung GmbH
<http://www.efr.de> Telecontrol and timesignal station

129.525 SOA212: Warszawa, Poland. OFF-AIR

129.78 --: unid, F1B 85 Hz shift (see also 129.80 kHz below)

129.80 --: RDF'ed as Danish Navy, NAVCOMMEN, Aarhus Denmark

130.00 --: unid, no further info

131.70 --: DATATRAK

131.7647 --: DATATRAK Momignies Beauwelz, Belgium 004E1020 50N0100

131.7647 --: DATATRAK Ravels Poppel, Belgium 005E0200 51N2700

131.7647 --: DATATRAK Veurne Houtem, Belgium 002E3720 51N0038

131.7647 --: DATATRAK Burmerange, Luxembourg 006E1900 49N3000

131.7647 --: DATATRAK Bocholtz, Netherlands 006E0100 50N4900
 131.7647 --: DATATRAK Drieborg, Netherlands 007E1300 53N1300
 131.7647 --: DATATRAK Nieuwe Tonge, Netherlands 004E0800 51N4300
 131.7647 --: DATATRAK Slootdorp, Netherlands 004E5500 52N5000
 131.7647 --: DATATRAK Winterswijk, Netherlands 006E4300 52N0200
 131.80 --: DATATRAK
 132.5000 --: DATATRAK Amstetten, Austria 014E5032 48N0123
 132.5000 --: DATATRAK Bisamberg, Austria 016E2312 48N1837
 132.5000 --: DATATRAK Bregenz, Austria 009E4204 47N2655
 132.5000 --: DATATRAK Gmunden, Austria 013E4546 47N5538
 132.5000 --: DATATRAK Horn, Austria 015E3610 48N4350
 132.5000 --: DATATRAK Oberpullendorf, Austria 016E3311 47N2715
 132.5000 --: DATATRAK Passau, Austria 013E3536 48N3218
 132.5000 --: DATATRAK Zurndorf, Austria 017E0755 48N0041

 132.80 --: DATATRAK
 133.20 --: DATATRAK
 133.24 --: DATATRAK (Argentina)
 135.00 --: unid, no further info
 135.75 SVX: Greek Navy, Sparta, Greece. No recent info
 135.80 SXF: Greek Navy, Marathon, Greece
 139.00 DCF39: EFR Berlin, Burg tx site, Germany. Ripple control ASCII 200Bd, 340
 Hz shift. Operated by EFR, Europäische Funk-Rundsteuerung Gmbh
<http://www.efr.de> Telecontrol and timesignal station
 139.00 TBA: Turkish Navy, Ankara (?), Turkey. No recent info. OFF-AIR (?)

 140.22 --: unid, carrier only, no further info
 140.60 --: unid, FSK. No recent info
 140.625 --: TV line scan frequency, 9th harmonic
 140.80 --: hyperbolic navaid sounding pulses. (MARS-75 ???)
 141.40 --: unid, no further info
 141.40 D32: Active during Exersise Sorbet Royal 2002, traffic from Danish Navy
 NAVCOMMEN, Aarhus, Denmark.
 142.0000 --: DATARAK Brussel, Belgium 004E2800 50N5300
 143.89 --: unid, no further info
 144.20 --: unid, observed with test transmissions, carrier only, September 2000
 144.50 RCG: Moskva Meteo, Moskva, Russia. FAX. OFF-AIR
 144.6000 --: DATATRAK Bocholz, Netherlands 006E100 50N4900
 144.6000 --: DATATRAK Drieberg, Netherlands 007E1300 53N1300
 144.6000 --: DATATRAK Nieuwe Tonge, Netherlands 004E0800 51N4300
 144.6000 --: DATATRAK Slootdorp, Netherlands 004E5500 52N5000
 144.6000 --: DATATRAK Winterswijk, Netherlands 006E4300 52N0200
 144.6305 --: DATATRAK Momignies Beauwelz, Belgium 004E1020 50N0100
 144.6305 --: DATATRAK Ravels Poppel, Belgium 005E0200 51N2700
 144.6305 --: DATATRAK Veurne Houtem, Belgium 002E3720 51N0038
 144.6305 --: DATATRAK Burmerange, Luxembourg 006E1900 49N3000
 145.00 --: unid, F1B 85 Hz shift. Possibly Spanish Navy Madrid (Aranjuez ?)
 145.05 NST: US Navy, Londonderry, North Ireland. OFF-AIR Antenna hardware moved to
 NRFT Grindavik, Iceland.

145.20 --: DATATRAK
145.50 --: DATATRAK (see 145.5100 kHz below)
145.5100 --: DATATRAK Amstetten, Austria 014E5032 48N0123
145.5100 --: DATATRAK Bisamberg, Austria 016E2312 48N1837
145.5100 --: DATATRAK Bregenz, Austria 009E4204 47N2655
145.5100 --: DATATRAK Gmunden, Austria 013E4546 47N5538
145.5100 --: DATATRAK Horn, Austria 015E3610 48N4350
145.5100 --: DATATRAK Oberpullendorf, Austria 016E3311 47N2715
145.5100 --: DATATRAK Passau, Austria 013E3536 48N3218
145.5100 --: DATATRAK Zurndorf, Austria 017E0755 48N0041
146.40 --: DATATRAK (Argentina) and possibly South Africa
146.50 --: DATATRAK
146.70 TBA: Turkish Navy, Ankara, Turkey
146.80 --: unid, RTTY 300 Bd, no further info
147.00 --: unid, F1B 75Bd, October 2000
147.30 DDH47: Deutscher Wetterdienst, Hamburg, Germany
147.80 IDR: Italian Navy, Roma, Italy. OFF-AIR