

World Frequency List (10kHz - 100kHz)

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kHz	Mode	Power(kW)	CallSign	Location	Remarks
11.905 12.649 14.881	P0N	500	RSDN-20 "Alpha" see next page		
13.0	F1B		VL3DEF	Gippsland, Australia	
16.4	MSK		JXN	Novik, Norway	NATO
17.2	A1A		SAQ	Varberg, Sweden	RF Generator
17.9	F1B				US Navy TACAMO
17.9 18.1	N0N/A1A /F1B		VLF Network see next page		
18.2	A1A/MSK		VTX3	Vishakhapatnam, India (08N26 77E48)	Coast Guard
18.3	MSK		HWU	Le Blanc, France	French Navy
18.9	N0N/A1A /F1B		VLF Network see next page		
19.6	MSK	60	GQD	Cumbria, UK	NATO
19.8	MSK		NWC	North West Cape, Australia	US Navy
20.0	N0N			South Pole Base	STARLAB
20.27	MSK		ICV	Sardegna, Italy	NATO
20.5	N0N/F1B	300	VLF TS "Beta" see next page		
20.6	A1A/F1B		3SA	Changde, China	Chinese Navy
			3SB	Datong, China	Chinese Navy
20.76	MSK		ICV	Sardegna, Italy	NATO
20.9	MSK		HWU	Rosnay, France	French Navy
21.1	N0N/A1A /F1B		VLF Network see next page		
21.4	MSK		NPM	Lualualei, HI, USA	US Navy
21.75	MSK		HWU	Le Blanc, France	French Navy
22.2	F1B		JJI	えびの, 日本 (32N05 130E50)	Japanese Navy
23.0	N0N/F1B	300	VLF TS "Beta" see next page		
23.4	A1A/MSK	200	DHO38	Rhauderfehn, Germany	NATO
24.0	MSK		NAA	Cutler, ME, USA (44.6N, 67.3W)	US Navy NCTS NATO
24.8	MSK		NLK	Jim Creek, WA, USA (48.2N, 121.9W)	US Navy NRTF
25.0			PWB	Belem, Brazil	Brazilian Navy
25.0 25.1	N0N/F1B	300	VLF TS "Beta" see next page		
25.2	MSK		NLM4	LaMoure, ND, USA	US Navy
25.5	N0N/F1B	300	VLF TS "Beta" see next page		
26.7	MSK		TBB	Bafa, Turkey (37N25 27E33)	Turkish Navy

SS:Standard Signal

TS:Time Signal

continued

kHz	Mode	Power(kW)	CallSign	Location	Remarks
30.0			PWI	Recife, Brazil	
40.0	SS/TS	50	JJY	福島, 日本 (37N22 140E51)	
44.0	F1B			Australia	
50.0	SS/TS	10	RTZ	Irkutsk, Russia (52N26 103E41)	(w) 0000-2100 2200-2400 (s) 0000-2000 2100-2400
54.0	A1A/F1B		NDI	沖縄, 日本	US Navy
60.0	SS/TS	50	JJY	福岡, 日本 (33N28 130E11)	
60.0	SS/TS	25	MSF	UK (54N55 03W15)	
60.0	SS/TS	50	WWVB	CO, USA (40N40 105W03)	
66.66	SS/TS	10	RBU	Moskva, Russia (55N44 38E12)	
68.5	SS/TS	100	BPC	China (34N28 115E50)	0100-0900 1300-2100
75.0	SS/TS	20	HBG	Swiss (46N24 06E15)	
75.95	A1A/F1B		NPN	Guam, USA	
77.5	SS/TS	50	DCF77	Germany (50N01 09E00)	
78.9	A1A/F1B		NPM	HI, USA	US Navy
80.0			CYZ40	Canada	
100.0	TS		BPL	China	0530-1330
100.0	Loran C	1600	新島	東京都新島村 (34N24 139E16)	
		1500	十勝太	北海道浦幌町 (42N44 143E43)	
		1500	慶佐次	沖縄県東村 (26N36 128E08)	
		1800	南鳥島	東京都小笠原村 (24N17 153E58)	2009.12.1 停波
		150	Pohang	韓国 (36N11 129E20)	他世界的システム

Russian RSDN-20 Navigation System “Alpha”

Frequency (kHz)	Location	Remarks
11.904761	Novosibirsk (55N45 84E27)	
12.648809	Krasnodar (45N24 38E09)	
14.880952	Komsomolsk na Amur (50N04 135E36)	

Russian “Beta” System(VLF time-signal)

Frequency (kHz)	CallSign	Location	Duration (utc)
20.5	RJH63	Krasnodar, Russia (44N46 39E34)	1106-1140
	RJH69	Molodechno, Belarus (54N28 26E47)	0706-0747
23.0	RJH77	Arkhangelsk, Russia (64N22 41E35)	0906-0947
25.0	RJH86	Bishkek, Kirgyztan (43N03 73E37)	0406-0447 1006-1047
25.1	RJH90	Nizhny Novgorod, Russia (56N11 43E57)	0506-0547
25.5	RAB99	Khabarovsk, Russia (48N30 134E50)	0206-0240 0606-0640

Russian VLF Network

Frequency (kHz)	CallSign	Location	Duration (utc)
17.9	RDL	Moskva, Russia	
18.1	RDL	Krasnodar 45N24 38E09	
		Nizhniy Novgorod (56N11 43E58)	
		Arkhangelsk (64N24 41E32)	
		Tashkent, Uzbekistan (41N19 69E15)	
		Molodechno, Belarus (54N26 26E48)	
		Kaliningrad ? (54N45 20E30)	
	RLO	Ryazan ? (54N60 39E71)	
RKS	Murmansk ? (68N58 33E04)		
18.9	RDL	Moskva	
	RKS	Moskva	
21.1	RDL	Moskva	
		Krasnodar (45N24 38E09)	
		Tashkent, Uzbekistan (41N19 69E15)	