

Frequency Handbook for Radio Monitoring HF

Edition 2024



EACH SIGNAL IS INFORMATION

Dipl.- Ing. Roland Proesch

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Email: roland@proesch.net

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Disclaimer:

The information in this book have been collected over years. The main problem is that there are not many open sources to get information about this sensitive field. Although I tried to verify the information from different sources it may be that there are mistakes. Please do not hesitate to contact me if you discover any wrong description.

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General

Our software Frequency Manager is meanwhile available since 1994. Very often we heard the question from our customer if it may be possible to have it in printed form.

Here it is!

The amount of information in our electronic database is very huge. We tried to combine them in a way that the book is not exploding in number of pages.

Disclaimer

Please keep in mind that listening to radio transmitter outside the broadcast or amateur radio bands may be forbidden by law.

Table description

Frequency	The frequency in kHz of the transmission
Mode	This field contains the used mode during transmission. For an explanation to the different modes please refer to our "Technical Handbook for Radio Monitoring HF"
Mode Parameter	This field contains a combination of signal parameter: B: the symbolrate of the signal S: the shift in Hz Ch: the number of channels ChS: the frequency distance between channels
Callsign	The callsign of the user
User	The user of this frequency
Country	The country of the user

There are several rows in the database which are written in italics and where the background has a grey shade. The locations of these stations have been confirmed by a professional direction finder system.

<i>2207,50</i>	<i>STANAG 4285</i>	<i>B=2400Bd</i>		<i>NOR N Stavanger</i>	<i>NOR</i>
2210,00	SSB		3VB	Bizerte R	TUN
2210,00	SSB, RTTY			D army	D
2212,00	FACTOR III	B=100Bd S=200Hz	9Z4DH	Sailmail Chaguaramas	TRD
2215,00	ALE USB	B=125Bd Ch=8 ChS=250Hz		E MOI net	E
<i>2216,00</i>	<i>ALE USB</i>	<i>B=125Bd Ch=8 ChS=250Hz</i>		<i>G MIL net</i>	<i>G</i>
2219,00	ALE USB	B=125Bd Ch=8 ChS=250Hz		D CG net	D

Frequency List

0 – 1000 kHz

Frequency	Mode	Mode Parameter	Callsign	User	Country
,08	CW , MSK	S=2,3Hz		RUS ELF transmitter ZEVS Murmansk	RUS
11,90	CW			Alpha Novosibirsk	RUS
11,90	CW			Alpha Komsomolsk na Amure	RUS
12,64	CW			Alpha Krasnodar	RUS
12,64	CW			Alpha Novosibirsk	RUS
12,64	CW			Alpha Komsomolsk na Amure	RUS
14,88	CW			Alpha Krasnodar	RUS
14,88	CW			Alpha Novosibirsk	RUS
14,88	CW			Alpha Komsomolsk na Amure	RUS
15,10	MSK	B=200Bd S=100Hz		F F Rosnay	F
16,00	MSK	B=200Bd S=100Hz	GBR	G N Rugby	G
16,40	MSK	B=200Bd S=100Hz	JXN	NOR N Novik	NOR
17,20	CW		SAQ	Grimeton R	S
18,10	T600	B=50Bd S=75Hz	RDL	RUS N Moscow	RUS
18,30	MSK	B=200Bd S=100Hz	HWU	F N Le Blanc	F
18,50	MSK	B=200Bd S=100Hz	DHO38	D N Saterland-Ramsloh	D
19,00	CW		GQD	G N Anthorn	G
19,58	MSK	B=200Bd S=100Hz Ch=1	GBZ	G N Anthorn	G
20,20	T600	B=50Bd S=75Hz	RDL	RUS N Moscow	RUS
20,27	MSK	B=200Bd S=100Hz	ICV	I N Tavolara	I
20,50	CW		RAB99	Khabarovsk TS	RUS
20,50	CW		RJH69	Molodeco TS	BLR
20,50	CW		RJH63	Krasnodar TS	RUS
20,50	CW		RJH99	Nizhnij Novgorod TS	RUS
20,50	CW		RJH77	Archangelsk TS	RUS
20,50	CW		RJH66	Bishkek TS	KGZ
20,90	MSK	B=200Bd S=100Hz	HWU	F N Le Blanc	F
21,05	MSK	B=200Bd S=100Hz	HWU	F N Le Blanc	F
21,10	CW		RDL	RUS N Moscow , TX Tashkent	UZB
21,10	MSK	B=50Bd S=50Hz	RDL	RUS N Moscow , TX Taskent	UZB
21,10	CW		RDL	RUS N Moscow , TX Krasnodar	RUS
21,10	MSK	B=200Bd S=100Hz	RDL	RUS N Moscow , TX Krasnodar	RUS
21,40	MSK	B=200Bd S=100Hz	NPM	USA N Hawaii	HWA
21,70	MSK	B=200Bd S=100Hz	HWU	F N Le Blanc	F
23,00	CW		RAB99	Khabarovsk TS	RUS
23,00	CW		RJH63	Krasnodar TS	RUS
23,00	CW		RJH69	Molodeco TS	BLR
23,00	CW		RJH99	Nizhnij Novgorod TS	RUS
23,00	CW		RJH77	Archangelsk TS	RUS
23,00	CW		RJH66	Bishkek TS	KGZ
23,40	2FSK	B=50Bd S=50Hz	DHO38	D N Ramsloh	D
23,40	MSK	B=200Bd S=100Hz	DHO38	D N Ramsloh	D
24,00	MSK	B=200Bd S=100Hz	NAA	USA N Cuttler , ME	USA
24,60	CW		NLK	USA N Seattle , WA	USA
25,00	CW		RJH63	Krasnodar TS	RUS
25,00	CW		RAB99	Khabarovsk TS	RUS
25,00	CW		RJH66	Bishkek TS	KGZ
25,00	CW		RJH69	Molodeco TS	BLR

Frequency	Mode	Mode Parameter	Callsign	User	Country
25,00	CW		RJH90	Nizhnij Novgorod TS	RUS
25,00	CW		RJH66	Bishek TS	KGZ
25,00	CW		RJH77	Archangelsk TS	RUS
25,10	CW		RAB99	Khabarovsk TS	RUS
25,10	CW		RJH63	Krasnodar TS	RUS
25,10	CW		RJH69	Molodeco TS	BEL
25,10	CW		RJH90	Nizhnij Novgorod TS	RUS
25,10	CW		RJH77	Archangelsk TS	RUS
25,10	CW		RJH66	Bishkek TS	KGZ
25,20	MSK	B=200Bd S=100Hz	NML4	USA N Lamoure , ND	USA
25,50	CW		RAB99	Khabarovsk TS	RUS
25,50	CW		RJH63	Krasnodar TS	RUS
25,50	CW		RJH69	Molodeco TS	BLR
25,50	CW		RJH90	Nizhnij Novgorod TS	RUS
25,50	CW		RJH77	Archangelsk TS	RUS
25,50	CW		RJH66	Bishkek TS	KGZ
26,70	M/S 1,0	B=50Bd S=85Hz	TBB	TUR N Ankara	TUR
27,30	M/S 1,0	B=50Bd S=75Hz	RDL	RUS N Moscow	RUS
28,50	CW		NCA	Aguada TS	PTR
29,70	MSK	B=100Bd S=50Hz	4XZ	ISR N Haifa	ISR
36,00	MSK	B=200Bd S=100Hz	DHO37	D N Ramsloh	D
37,50	MSK	B=200Bd S=100Hz	TFK	ISL N Grindavik	ISL
38,00	M/S 1,0	B=100Bd S=100Hz	SHR	S N TX Grimeton	S
40,00	CW		JJY	Ootakadoya-yama TS	J
40,40	CW		SRC	S N TX Grimeton	S
40,40	M/S 1,0	B=200Bd S=100Hz	SRC	S N TX Grimeton	S
40,75	MSK	B=200Bd S=100Hz	NAU	USA N San Juan	PTR
42,00	QPSK	B=104Bd		Cavelink System	SUI
42,50	M/S 1,0	B=100Bd S=100Hz	SAS2	S N TX Grimeton	S
44,10	M/S 1,0	B=200Bd S=100Hz		S N TX Grimeton	S
44,20	MSK	B=200Bd S=100Hz	SAS3	S N TX Grimeton	S
45,90	MSK	B=200Bd S=100Hz	NSY	USA N Niscemi , Sicily	I
49,00	MSK	B=200Bd S=100Hz	SXA	GRC N Marathon	GRC
50,00	CW		RTZ	Irkutsk TS	RUS
51,95	M/S 1,0	B=100Bd S=50Hz	GYW1	G N Crimond	G
54,00	MSK	B=200Bd S=100Hz	NDI	USA N Awase , Okinawa City	J
57,40	MSK	B=100Bd S=75Hz	TFK	ISL N Grindavik	ISL
60,00	ASK		MSF	Anthorn TS	G
60,00	ASK		WWVB	Fort Collins TS , CO	USA
60,00	CW		JJY	Mt. Hagane, Kyushu Island	J
62,60	MSK	B=200Bd S=100Hz	FUG	F N Saissac	F
63,85	MSK	B=200Bd S=100Hz	FTA63	F N St. Assise	F
65,80	MSK	B=200Bd S=100Hz	FUE	F N Brest	F
66,70	CW		RBU	Moskow TS	RUS
68,00	BAUDOT	B=50Bd S=85Hz	GYN1	G N Northwood	G
68,50	CW		BPC	CHN time service	CHN
77,50	ASK		DCF77	Mainflingen TS	D
77,50	CW		BSF	Taiwan TS	TWN
78,00	CW FH			MARS-75 system	RUS
81,00	MSK	B=100Bd S=85Hz		G N Inskip	G
82,80	STANAG 5065	B=75Bd S=85Hz	MKL	G F AMCC Northwood	G
85,70	CW		GYA	G N London	G
100,00	CW			CHAYKA chains	RUS
100,00	CW			Bryansk, master	RUS
100,00	CW			Petrozavodsk, minor W	RUS
100,00	CW			Slonim, minor X	BLR

Frequency	Mode	Mode Parameter	Callsign	User	Country
100,00	CW			Simferopol, minor Y	RUS
100,00	CW			Syzran , minor Z	RUS
100,00	CW			Okhotsk , minor Z	RUS
100,00	CW			Tokachibuto , minor Y	J
100,00	CW			Ussuriysk , minor X	RUS
100,00	CW			Petropavlovsk-Kamchatsky , minor W	RUS
100,00	CW			Alexandrovsk-Sakhalinsky , master	RUS
100,00	CW			Petropavlovsk-Kamchatsky , master	RUS
100,00	CW			Attu Island , minor W	USA
100,00	CW			Alexandrovsk-Sakhalinsky, minor X	RUS
100,00	CW			Pankratiev Island , minor X	RUS
100,00	CW			Tumanny , minor W	RUS
100,00	CW			Inta , master	RUS
100,00	CW			Yuzhno-Uralsk , master	RUS
100,00	CW			Yekaterinburg , minor W	RUS
100,00	CW			Kurgan , minor X	RUS
100,00	CW			LORAN-C	
100,00	CW			Helong , minor Y	CHN
100,00	CW			Rongcheng , master	CHN
100,00	CW			Xuancheng , minor X	CHN
100,00	CW			Rongcheng , minor Y	CHN
100,00	CW			Raoping , minor X	CHN
100,00	CW			Xuancheng , master	CHN
100,00	CW			Hexian , master	CHN
100,00	CW			Raoping , minor X	CHN
100,00	CW			Chongzuo , minor Y	CHN
100,00	CW			Pohang, master	KOR
100,00	CW			Kwang Ju, minor W	KOR
100,00	CW			Ussuriisk, minor Z	RUS
100,00	CW			Anthorn, master	
100,00	CW			Anthorn, minor Y	
100,00	CW		BPL	Lingtong TS	CHN
100,00	CW			Kotelnikovo, master	RUS
100,00	CW			Poltavskaya, minor O	RUS
100,00	CW			Astrakhan minor P	RUS
100,00	CW			Balashov, minor Q	RUS
100,00	CW			Afif, master	ARS
100,00	CW			Salwa, minor W	ARS
100,00	CW			Ash Shaykh Humayd, minor Y	ARS
100,00	CW			Pucheng, master	CHN
100,00	CW			Havre, minor Y	CAN
100,00	CW			George, master	CAN
100,00	CW			Fallon, minor X	USA
122,50	FAX 120/576		CFH	CAN N Halifax	CAN
122,50	BAUDOT	B=50Bd S=85Hz	CFH	CAN N Halifax	CAN
124,50	MSK	B=100Bd S=85Hz	SXV	GRC N Kriti	GRC
125,00		B=2000Bd		RFID	
129,10	ASCII	B=200Bd S=340Hz	DCF49	EFR Mainflingen	D
134,20		B=2000Bd		RFID	
135,60	ASCII	B=200Bd S=340Hz	HGA22	EFR Lakihegy	HNG
135,80	MSK	B=100Bd S=85Hz	SXJ	GRC N Marathon	GRC
136,00	WSPR	B=1,46Bd Ch=4 ChS=1,46Hz		WSPR net	
136,13	FT8	B=5,86Bd Ch=8 ChS=5,86Hz		FT8 channel	
139,00	ASCII	B=200Bd S=340Hz	DCF39	EFR Burg	D

Frequency	Mode	Mode Parameter	Callsign	User	Country
147,30	BAUDOT	B=50Bd S=85Hz	DDH47	DWD TX Pinneberg	D
162,00	PSK	B=250Bd	TDF	Allouis TS	F
305,00	CW		UMA4	RUS Leningradskaya Base	ANT
306,00	CW		RCV	RUS N HQ Sevastopol	UKR
318,00	AM		BE	Bordeaux P	F
340,00	AM		YY	Mont Joli P	CAN
363,00	AM		OEM	Kristianstad P	S
368,00	AM		ZP	Sandspit P	CAN
370,00	AM		GAC	Gacko P	BIH
380,00	CW		UMA4	RUS Leningradskaya Base	ANT
381,00	AM		ESP	Espoo P	FNL
424,00	SITOR B	B=100Bd S=170Hz	JNX	Kushiro R	J
424,00	SITOR B	B=100Bd S=170Hz	JGC	Yokohama R	J
424,00	SITOR B	B=100Bd S=170Hz	JNR	Moji R	J
424,00	SITOR B	B=100Bd S=170Hz	JNL	Otura R	J
424,00	SITOR B	B=100Bd S=170Hz	JNB	Naha R	J
426,00	CW		KPH	San Francisco R , CA (Bolas/Port Reyes)	USA
430,00	CW		PKK	Kupang R , Timor	INS
430,00	CW		PKD	Surabaya R , Djawa	INS
430,00	CW		PKP2	Telukbayur R , Sumatera	INS
430,00	CW		PKC4	Panjang R , Sumatera	INS
436,50	CW		FFC	Bordeaux Arcachon	F
438,00	CW		PKD3	Lembar R , Lombok	INS
438,00	CW		PKM	Bitung R , Sulawesi	INS
438,00	CW		PKA	Sabang R , We	INS
440,00	CW		DI2BO	Peine	D
440,00	CW		NMA	Miami M FL	USA
440,04	CW		DI2AG	Dormitz	D
440,20	STANAG 4285	B=2400Bd	JXU	NOR N TX Bodo	NOR
448,00	CW		PKM44	Pantolan R , Sulawesi	INS
448,00	CW		PKP	Dumai R , Sumatera	INS
448,00	CW		PKC	Palembang R , Sumatera	INS
452,00	CW		PKI2	Jakarta R	INS
452,00	CW		PKC5	Pangkal Balam R	INS
452,00	CW		PKC2	Plaju R , Sumatera	INS
456,00	CW		PKR	Semarang R , Djawa	INS
456,00	CW		PKG	Bandjarmasin R , Kalimantan	INS
458,00	CW		PKY5	Merauke R , Irian Jaya	INS
458,00	CW		PKY4	Sorong R , Irian Jaya	INS
462,00	CW		XSZ	Dalian R	CHN
465,00	CW		PKS	Pontianak R , Kalimantan	INS
465,00	CW		PNK	Jayapura R , Irian Jaya	INS
465,00	CW		PKF	Makassar R , Sulawesi	INS
470,00	CW		PKE	Amboina R , Ceram	INS
473,00	CW		RDL	RUS N Moscow	RUS
474,00	CW		PKE5	Ternate R , Maluku	INS
474,00	CW		PKR3	Cilacap R , Jawa	INS
474,00	CW		PKZ2	Cirebon R , Jawa	INS
474,00	CW		PKB	Belawan R , Sumatera	INS
474,00	CW		PKB3	Sibolga R , Sumatera	INS
474,20	WSPR	B=1,46Bd Ch=4 ChS=1,46Hz		WSPR net	
474,20	FT8	B=5,86Bd Ch=8 ChS=5,86Hz		FT8 channel	
479,00	CW		SV1AYC	nr Athens	GRC
487,50	CW		PKD5	Benoa R , Bali	INS

