

QDX 5 Band Transceiver mit 5 Watt ohne Tuner – HB9RYZ

13. und 20.1.2024

USB COM Port 3, 9600



Erste richtige QSO auf 30m mit PA5RH und einer Drahtantenne

125800	-12	0.3	1739	~	MW7OFS	F6EXV	R-20	*France
----- 20.01.24 12:58:44 UTC ----- 30m -----								
125830	-8	1.0	1015	~	MW7OFS	2E0SAE	73	*England
125830	2	0.1	1400	~	HB9RYZ	PA5RH	-12	Netherlands
125830	-5	0.1	1580	~	CQ	F4FZR	JN25	*France
125830	-8	0.2	2112	~	W9SV	SP8BJU	-18	Poland
125830	-10	0.1	640	~	DL6CMF	EI2IV	RR73	*Ireland
125830	-14	0.4	1739	~	MW7OFS	F6EXV	R-20	*France
125830	-11	-0.1	779	~	GM7VCV	MM0CPZ	73	*Scotland
125830	-4	0.1	1223	~	CQ	ON4CAS	JO21	*Belgium
125830	-18	0.4	1327	~	CQ	SP9ONC	JN99	Poland
----- 20.01.24 12:59:14 UTC ----- 30m -----								
125900	-12	0.1	1739	~	GM7VCV	LB8OH	JP20	Norway
125900	-8	0.1	1580	~	CQ	F4FZR	JN25	*France
125900	1	0.2	1400	~	HB9RYZ	PA5RH	RR73	Netherlands
125900	-9	0.1	640	~	CQ	EI2IV	IO51	Ireland
125900	4	0.1	1224	~	CQ	ON4CAS	JO21	*Belgium
125900	-15	0.4	1740	~	MW7OFS	F6EXV	R-20	*France
125900	-16	0.4	1327	~	JR7RHO	SP9ONC	-04	Poland
125900	-5	0.4	778	~	GM7VCV	DC2GD	JN38	Germany
125900	-9	0.2	779	~	GM7VCV	DL8WEM	JN48	Germany

SWL mode Log QSO Stop Monitor Decode Erase

Sync AGCc Filter S meter

30m ● 10.136 000 12:59:18

Richtige QSO auf 30m mit DL5ASK und einer Drahtantenne

131030	-3	0.2	1185	~ F8KKH DF6SA	73	*Germany
131030	-1	0.1	2690	~ HB9RYZ DL5ASK	-15	*Germany
131030	-13	0.4	1669	~ OO0Q SP3DVO	-11	Poland
----- 20.01.24 13:11:14 UTC ----- 30m -----						
131100	1	0.1	2690	~ HB9RYZ DL5ASK	-15	Germany
131100	-8	0.1	1581	~ CQ F4FZR JN25		*France
131100	-12	0.4	1668	~ DL8WEM SP3DVO	R-09	Poland
----- 20.01.24 13:11:44 UTC ----- 30m -----						
131130	-15	0.1	1581	~ CQ F4FZR JN25		*France
131130	-1	0.2	2690	~ HB9RYZ DL5ASK	RR73	Germany
131130	-10	0.4	1668	~ DL8WEM SP3DVO	73	*Poland
131130	-13	0.1	1812	~ LA3SHA JF0CSK	-13	Japan

SWL mode
Log QSO
Stop
Monitor

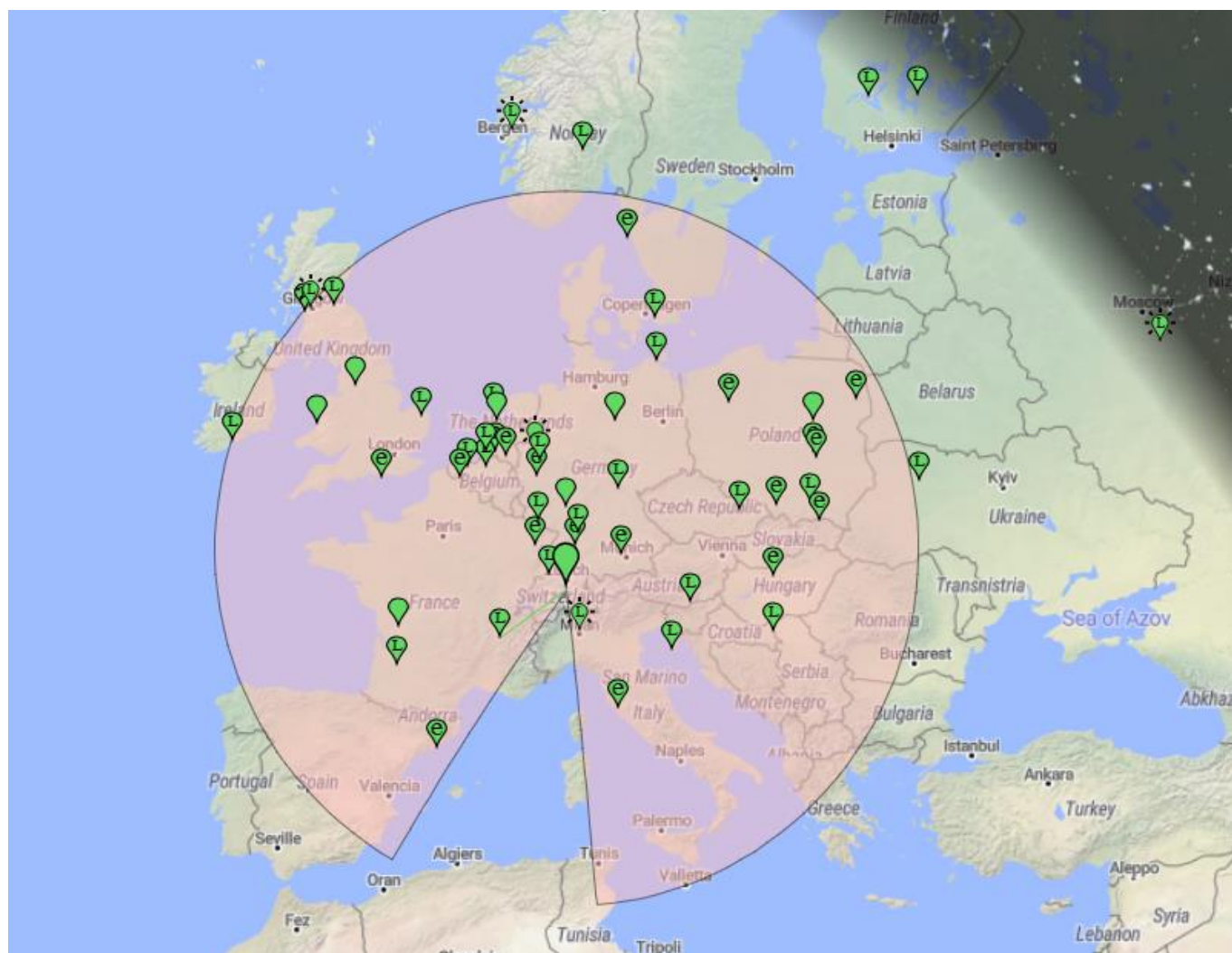
Sync
AGCc
Filter

30m ● 10.136 000

Tx: DL5ASK HB9RYZ 73
FT8
LastTx: DL5ASK HB9RYZ 73
WD 30m

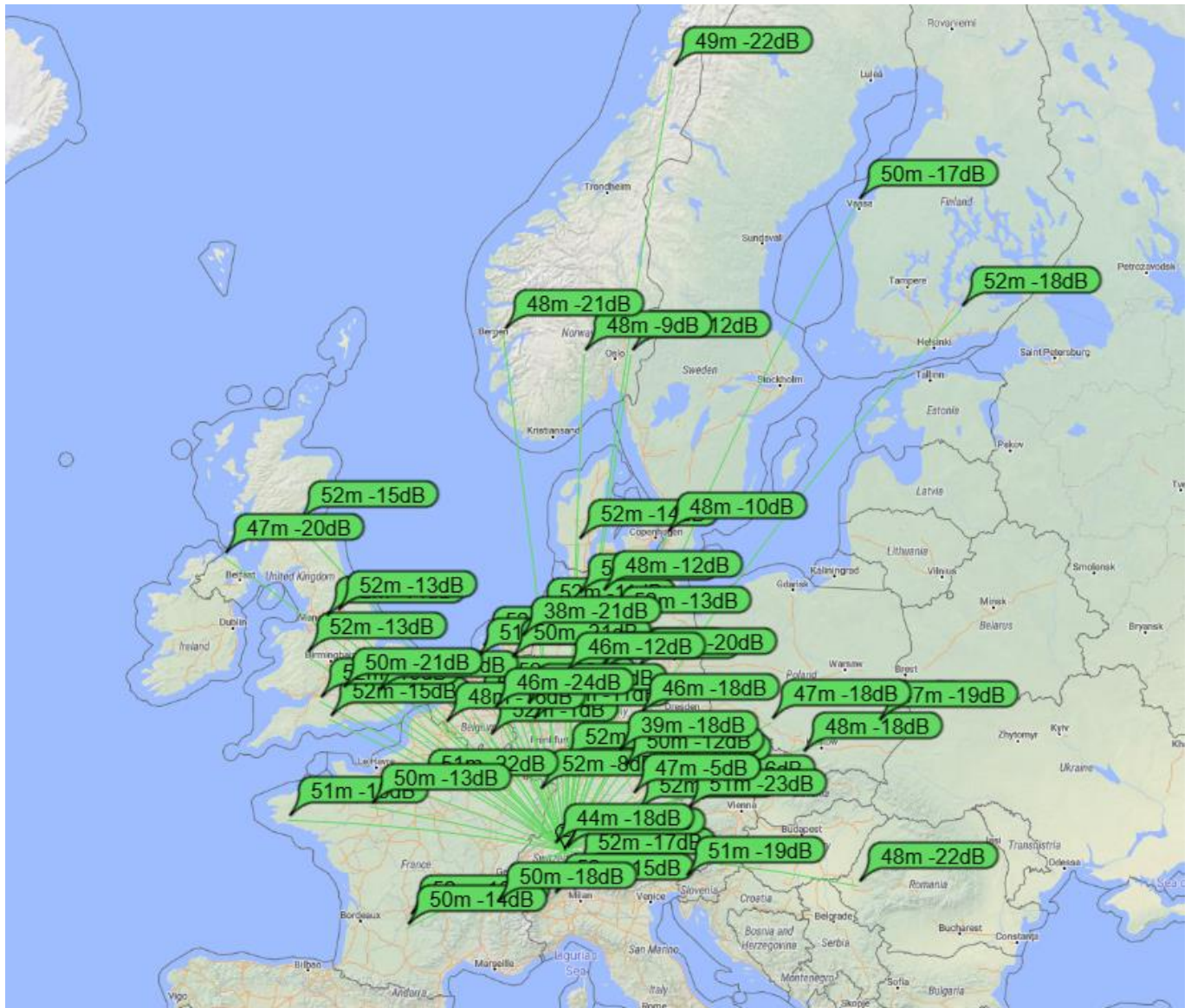
PSKReporter **30m** 20.1.24 um 14:10 gesendet mit **1W** mit T1 Elecraft Tuner und einer Drahtantenne

Welche ich gehört habe



PSKReporter **30m** 20.1.24 um 14:10 gesendet mit **1W** mit T1 Elecraft Tuner und einer Drahtantenne

Welche mich gehört haben



RF Sweeping via eingebauter Software mit Putty

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QDX v1_10
QRP Labs, 2023

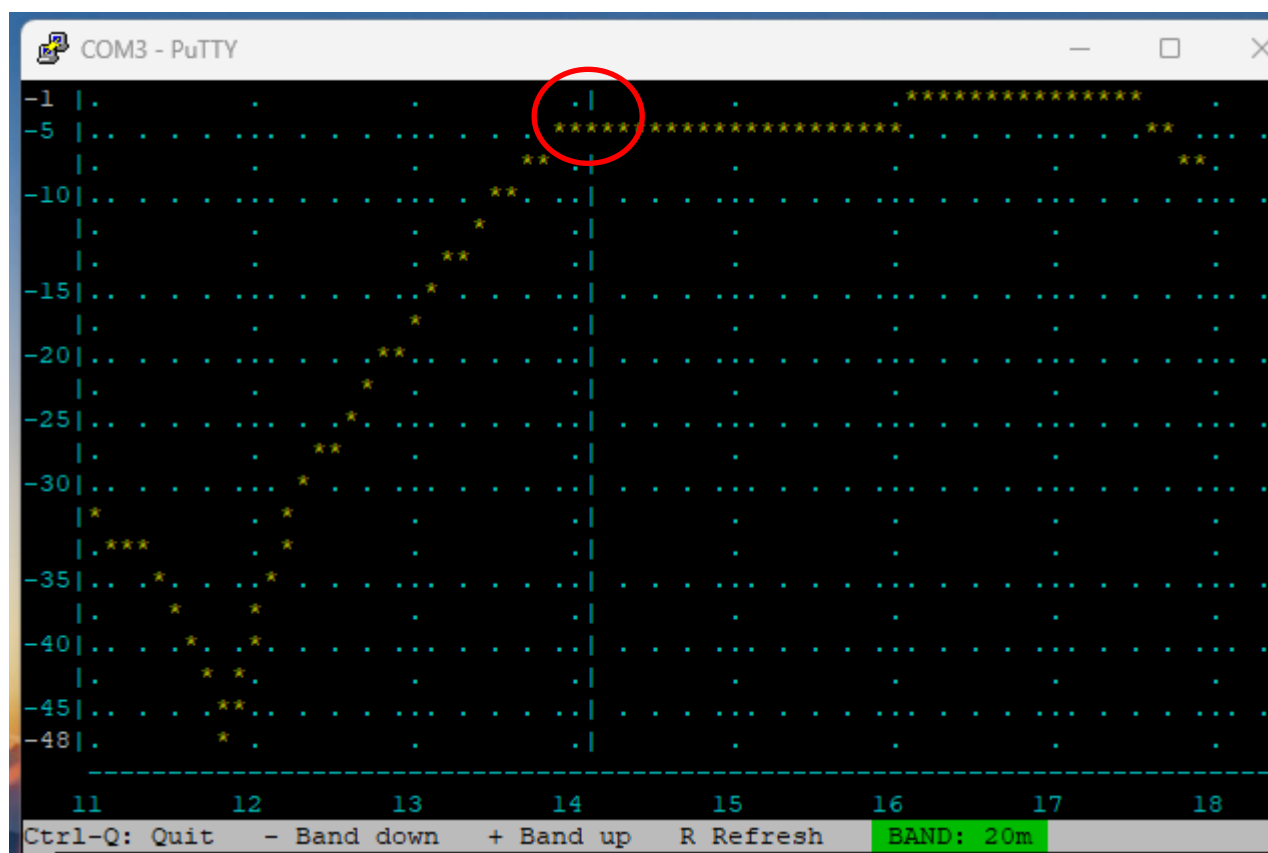
Configuration
Band configuration
Audio filter sweep
RF filter sweep
Image sweep
Input analysis
CAT command test
CAT monitor
Log file
Transmitter test
Factory reset
Update firmware
Exit terminal
```

```
QDX v1_10
QRP Labs, 2023

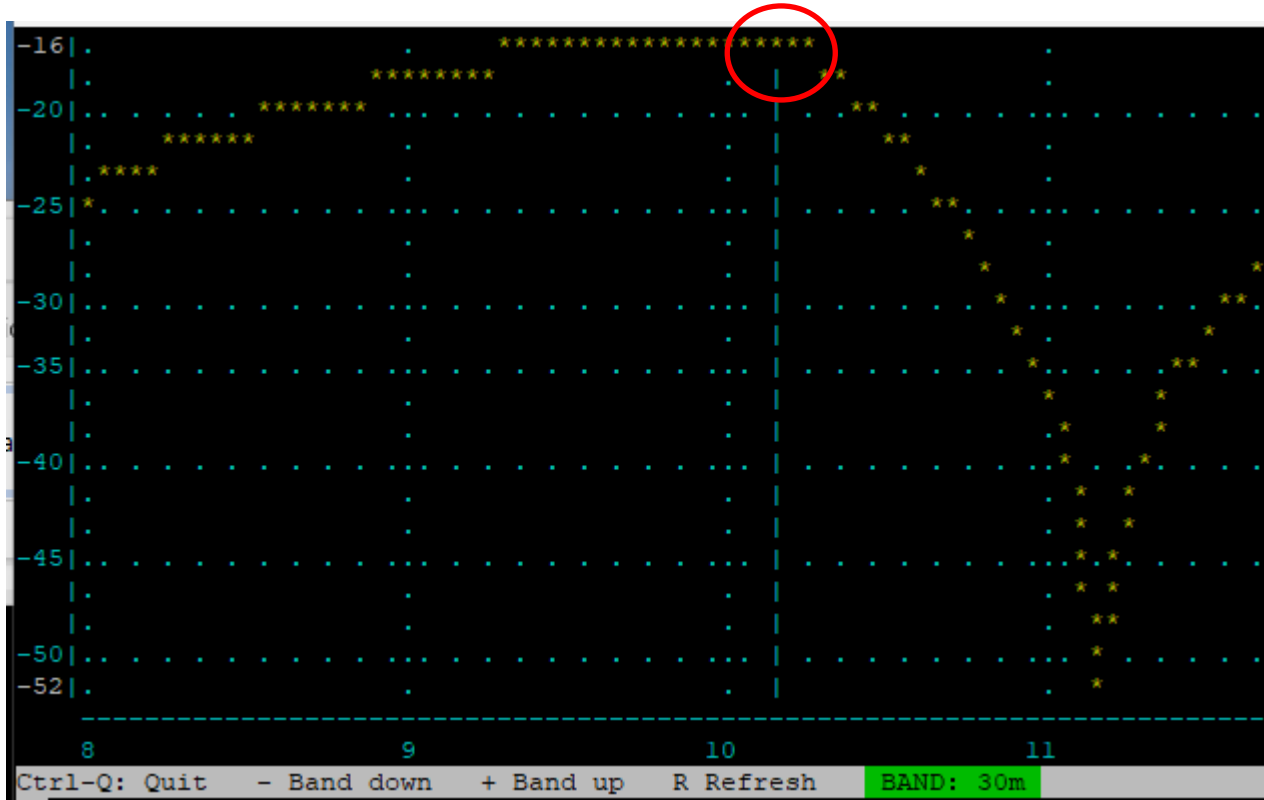
Configuration
TCXO frequency      25000000
Sideband            USB
Default frequency   7074000
VOX                 DISABLE
Rise threshold      80
Fall threshold      60
Minimum cycles      1
Minimum samples     480
Discard cycles      1
IQ mode             DISABLE
Japanese band limits DISABLE
CAT timeout enable  ENABLE
CAT timeout (sec)   120
PTT Port as Serial 3 DISABLE
VGA PS/2 terminal   DISABLE
Serial 1 terminal    0
Serial 2 terminal    0
Serial 3 terminal    0
Night mode          DISABLE
TX shift threshold  500
Custom USB name

Ctrl-Q = Quit
```

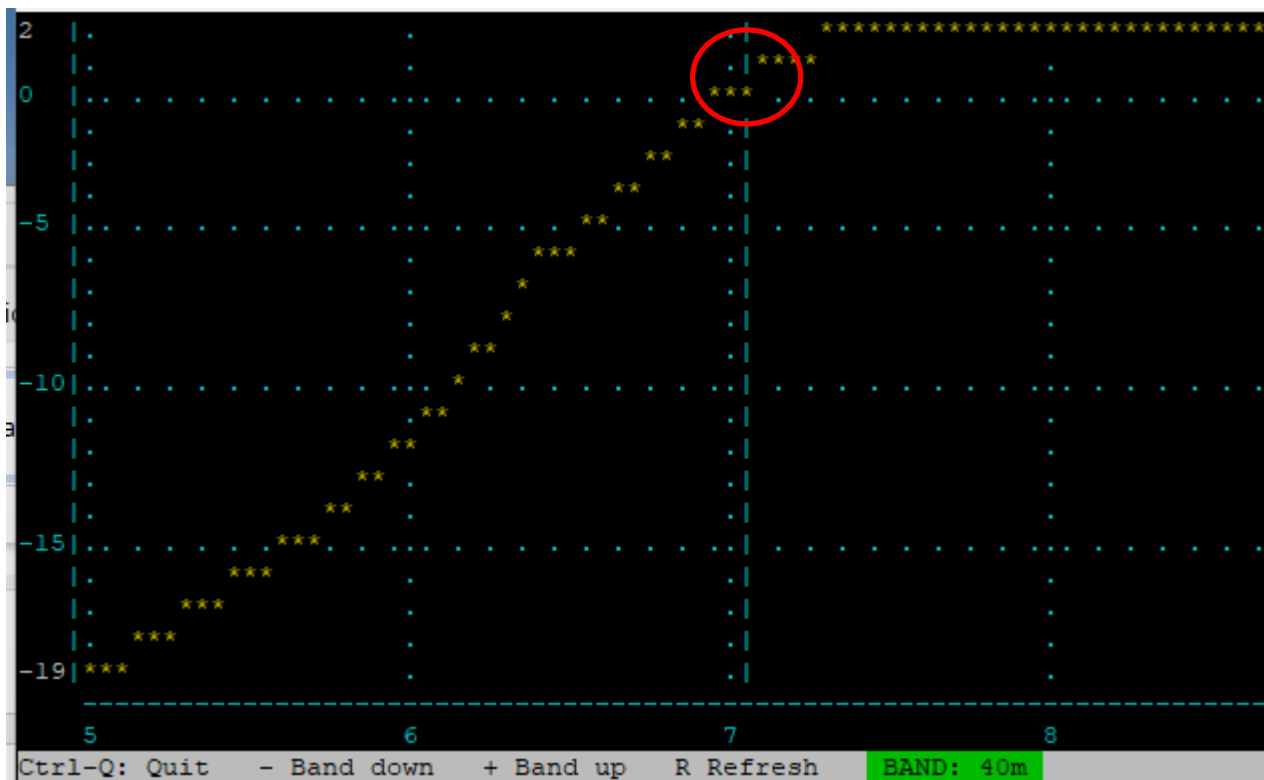
20m Band → OK



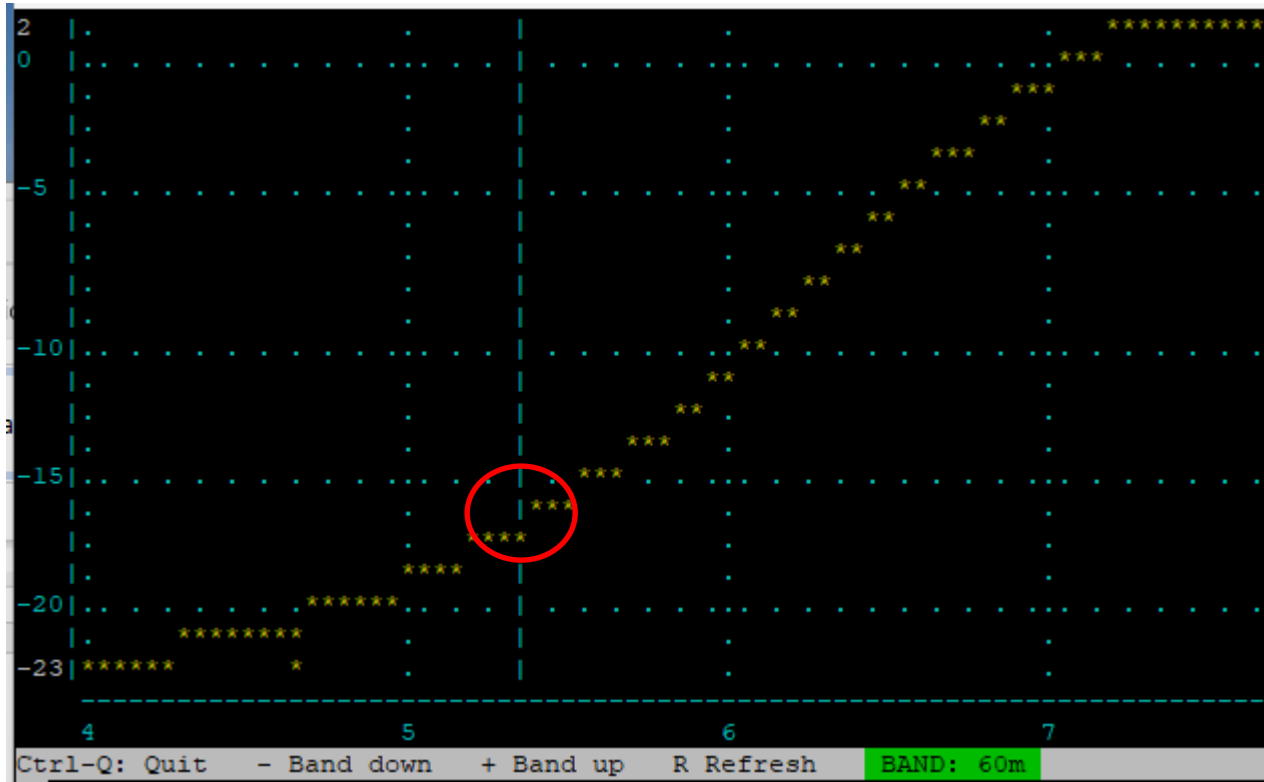
30m → OK



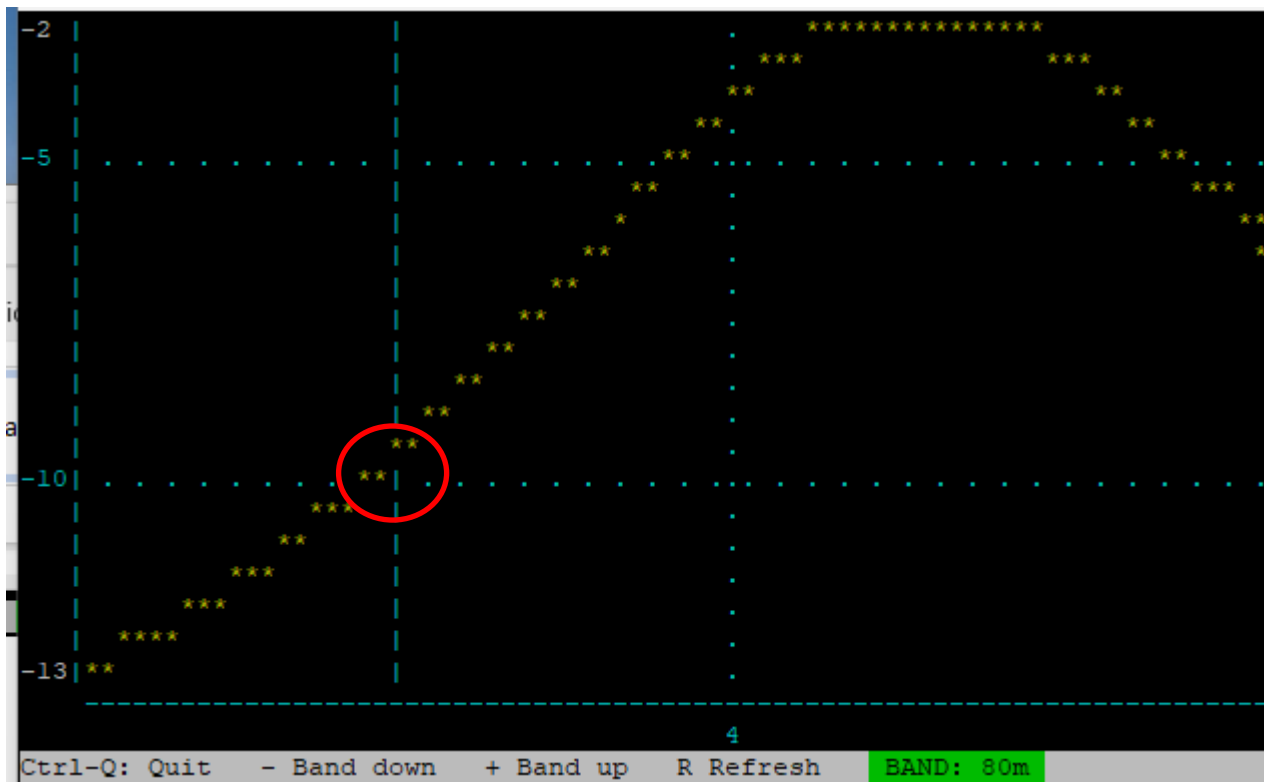
40m → OK



60m → nicht OK



80m → nicht OK



JTD-X Settings

Rig: Kenwood TS-440S | Poll Interval: 10 s

Serial Port: COM3 | Baud Rate: 9600

Data Bits: Default Seven Eight

Stop Bits: Default One Two

Handshake: Default None Hardware

PTT Method: VOX CAT DTR RTS

Transmit Audio Source: Rear/Data Front/Mic

Mode: None USB Data/Pkt

Soft Operation: None Rig Fake It

Buttons: Test CAT, Test PTT

Input: QDX MIC (QDX Transceiver)

Output: QDX Speaker (QDX Transceiver)

20m Empfangs Test

JTD-X - Wide Graph

JTD-X by HF community v2.2.159, derivative work based on WSJT-X by K1JT

UTC	dB	DT	Freq	Avg=0.16	Lag=+1.02/36	Band Activity	UTC	dB	DT	Freq	Message	Rx Frequency
110530	-4	0.1	933	~	K9EQ HAL2W JN86	*Hungary	110330	-7	0.1	1121	~ CQ PD2MAC JO22	*Netherlands
110530	-7	0.4	1801	~	CN8NY OT5S -01	*Belgium	110415	Tx	1633	~ PD2MAC HB9RYZ JN47		
110530	-2	0.1	2185	~	IW0GCA S51PV/P JN76	*Slovenia	110400	-9	0.1	1121	~ CQ PD2MAC JO22	
110530	-9	0.1	788	~	GB4WVA SM6HQL JO68	*Sweden	110430	-9	0.1	1121	~ CQ PD2MAC JO22	*Netherlands
110530	-8	0.1	2719	~	DJ0MEK F4JGI R-05	*France	110445	Tx	1633	~ PD2MAC HB9RYZ JN47		
110530	-17	0.2	346	~	CQ UR5PLN KN56	*Ukraine	110500	-12	0.1	1121	~ CQ PD2MAC JO22	*Netherlands
110530	-7	0.1	604	~	DH2NUS PDOAVE R-02	*Netherlands	110515	Tx	1633	~ PD2MAC HB9RYZ JN47		
110530	-14	0.1	1184	~	CQ PA2AA JO21	*Netherlands	110530	-12	0.1	1121	~ CQ PD2MAC JO22	*Netherlands
110530	-5	0.2	2318	~	GB4WVA PG2F JO21	Netherlands	110545	Tx	1633	~ PD2MAC HB9RYZ JN47		
110530	-19	0.1	1024	~	HB9EMX DC8KU JO30	*Germany						
110530	-8	0.0	1962	~	CQ SQ8MXS KO11	*Poland						
110530	-4	0.2	1096	~	F4GZJ MM0EPC -11	Scotland						
110530	-11	0.1	2246	~	CQ I15WVA JN83	Italy						
110530	-16	0.1	1017	~	HB9EMX DF1RW +10	Germany						
110530	-7	0.1	2039	~	GB4WVA OK4RS JN69	*Czech Rep.						
110530	-15	0.1	2376	~	CQ GU EA2E IN91	*Spain						
110530	-11	0.5	2142	~	CQ OH1INT KP00	*Finland						
110530	-16	0.1	1789	~	CQ PD1DBL JO22	*Netherlands						
110530	-11	0.1	2131	~	DM3LH OZ6BAM JO45	Denmark						
110530	-15	-0.2	1468	~	KB1WSR EA2EED -13	*Spain						
110530	-17	0.1	645	~	GB4WVA GONGA	England						
110530	-8	0.2	698	~	MOLKA IS0LYN -17	*Sardinia						
110530	-9	0.1	581	~	CQ MW3PLI IO83	*Wales						
110530	-15	0.6	1786	~	E72ET EB4DSP -18	*Spain						
110530	-15	0.1	1743	~	TA4AV IU7RKE IN80	*Italy						
110530	-15	0.4	2320	~	CQ LA1GVA JO49	*Norway						
110530	-16	0.2	2045	~	MM0IYT UB7WVA -10	*Kazakhstan						
110530	-22	0.1	592	~	CQ TA2ANX KM69	*AS Turkey						

14.074 000 | 11:05:50

Receiving FT8 | LastTx: PD2MAC HB9RYZ JN47 | WD 30m | 5/15 | Logd | 20.01.2024 | FT8 15

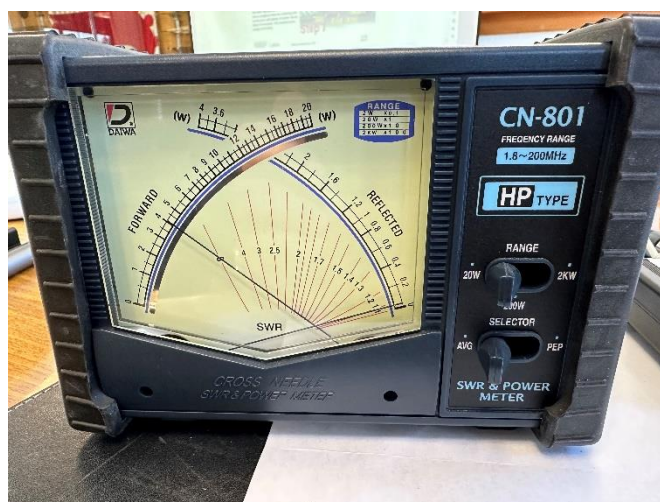
Erste 20m FT8 QSO mit HB9FMO mit Dummyload, Kursteilnehmer

UTC	dB	DT	Freq	Message	Rx Frequency
110830	-19	-0.0	1183	~ CQ PA2AA JO21	*Netherlands
110845	-13	0.1	1183	~ PA2AA DK7UY JO44	*Germany
110900	Tx		1923	~ CQ HB9RYZ JN47	
110915	2	0.1	1922	~ HB9RYZ HB9FMO JN37	Switzerland
110930	Tx		1923	~ HB9FMO HB9RYZ +02	
110945	3	0.1	1922	~ HB9RYZ HB9FMO R+29	Switzerland
111000	Tx		1923	~ HB9FMO HB9RYZ RR73	
111015	3	0.1	1923	~ HB9RYZ HB9FMO 73	Switzerland
111030	Tx		1923	~ CQ HB9RYZ JN47	

20m FT8 QSO mit HB9CSI mit Dummyload, Kursteilnehmer

111330	-7	0.1	843	~ GB4WWA GOKUC IO91	*England
111445	Tx		1923	~ CQ HB9RYZ JN47	
111500	-13	0.2	1921	~ HB9RYZ HB9CSI JN47	*Switzerland
111515	Tx		1923	~ CQ HB9RYZ JN47	
111530	-11	0.2	1921	~ HB9RYZ HB9CSI JN47	Switzerland
111545	Tx		1923	~ CQ HB9RYZ JN47	
111558	Tx		1923	~ HB9CSI HB9RYZ -11	
111600	-12	0.2	1921	~ HB9RYZ HB9CSI JN47	Switzerland
111615	Tx		1923	~ HB9CSI HB9RYZ -12	
111630	-6	0.2	1921	~ HB9RYZ HB9CSI R+10	Switzerland
111645	Tx		1923	~ HB9CSI HB9RYZ RR73	
111700	-7	0.1	1921	~ HB9RYZ HB9CSI 73	Switzerland
111715	Tx		1923	~ CQ HB9RYZ JN47	

Output Power Messung ohne Antenne mit Dummy-Load



80m	4 Watt
60m	5.5 Watt
40m	3.5 Watt
30m	1 Watt
20m	1 Watt

Spule L4 und L10 (C7/C14), (C11/C20)
 Spule L4 und L10 (C7/C14), (C11/C20)