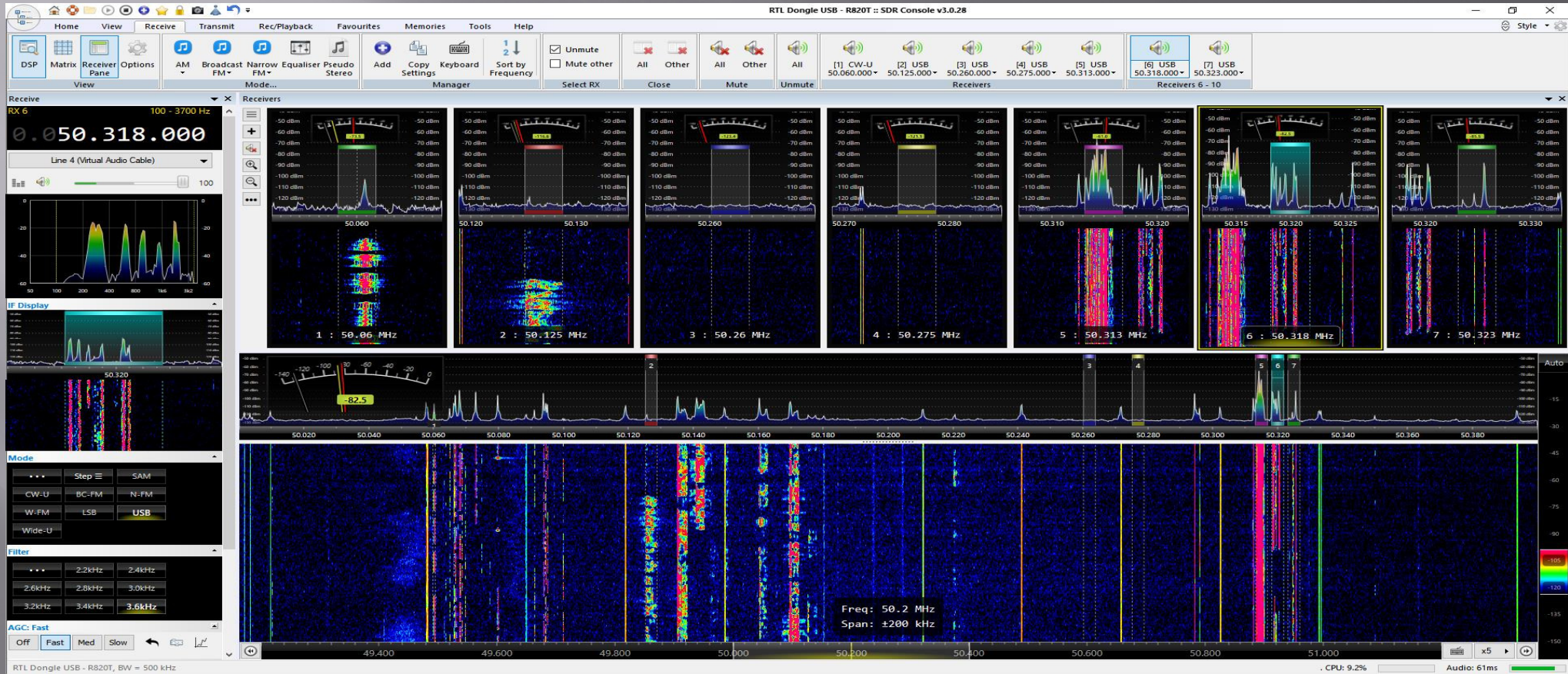
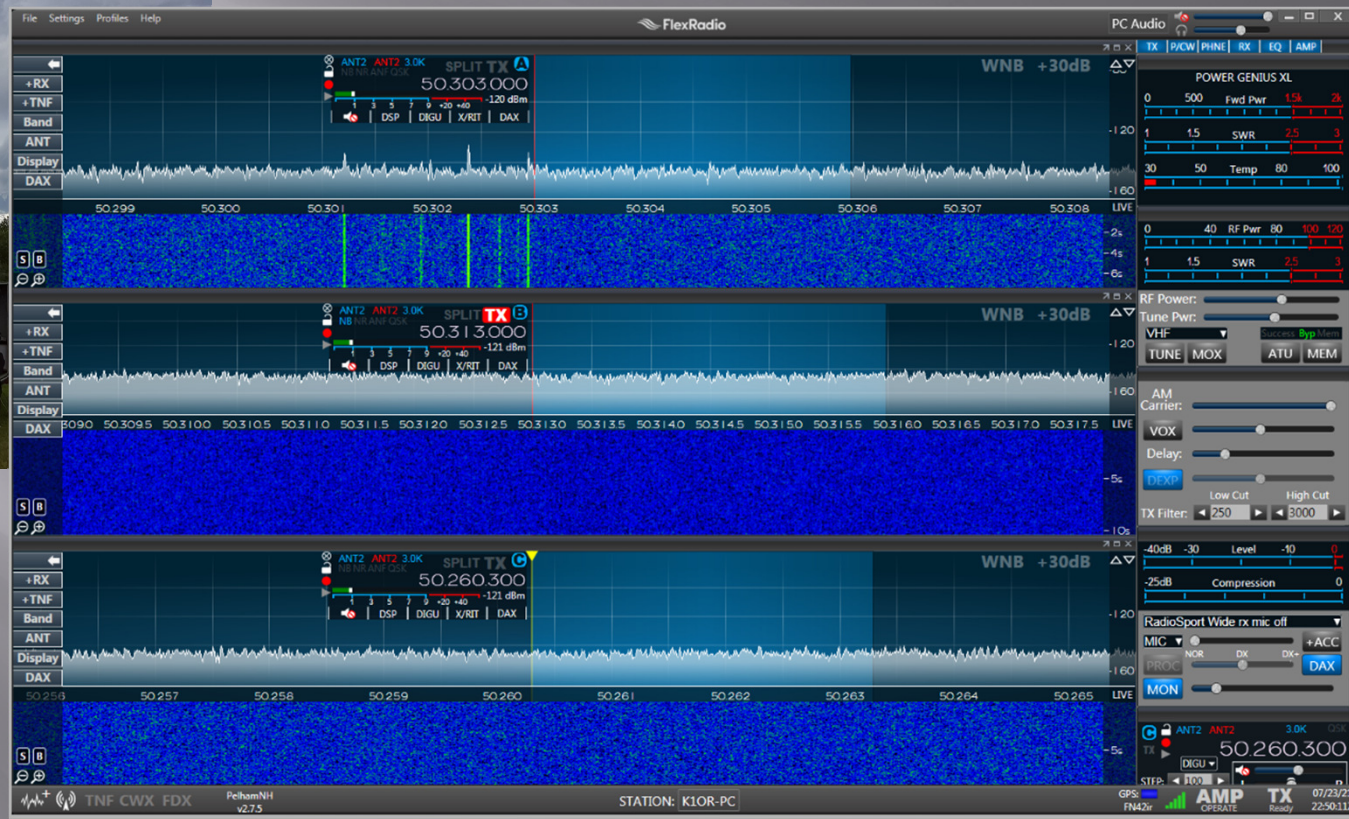


SDR - Working the entire Band



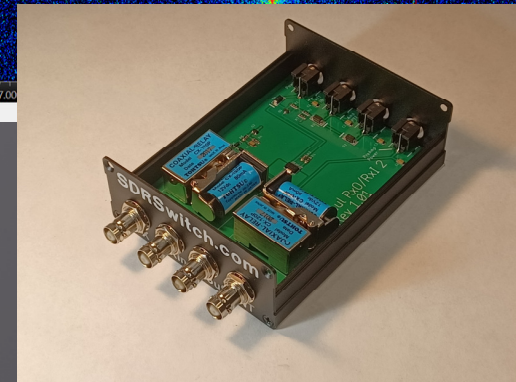
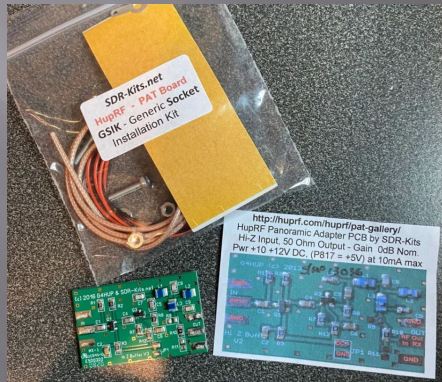
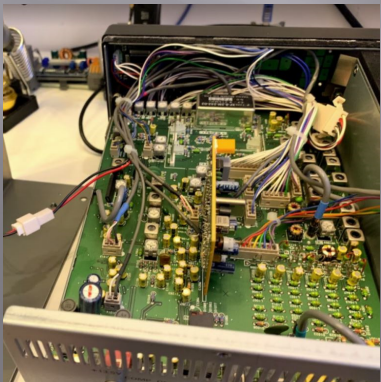
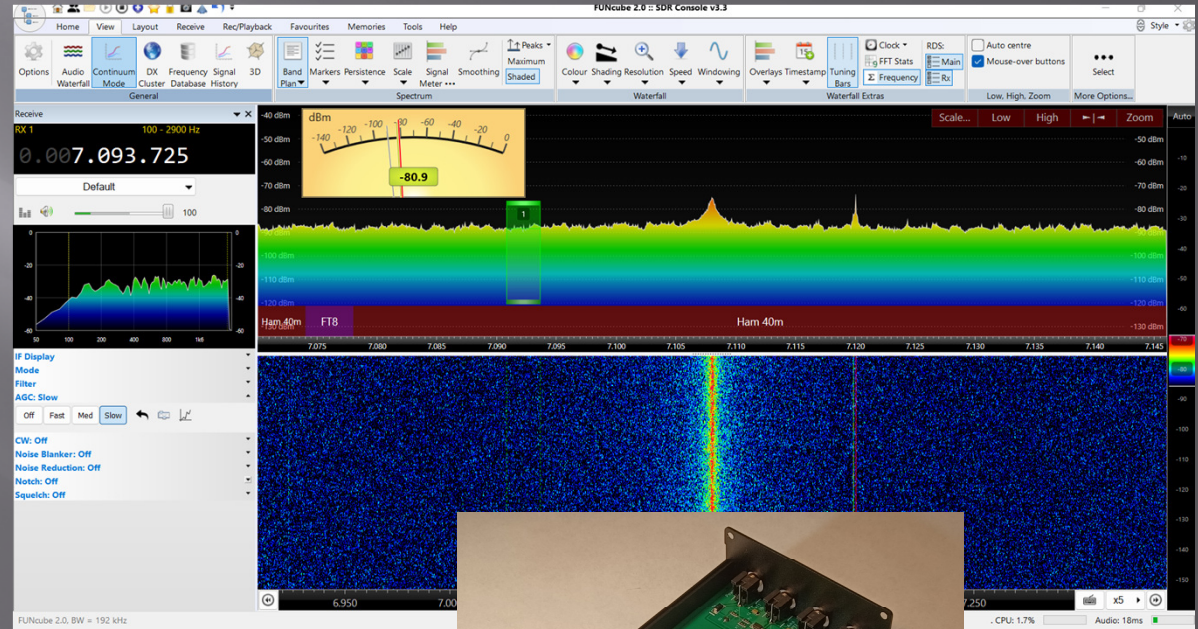
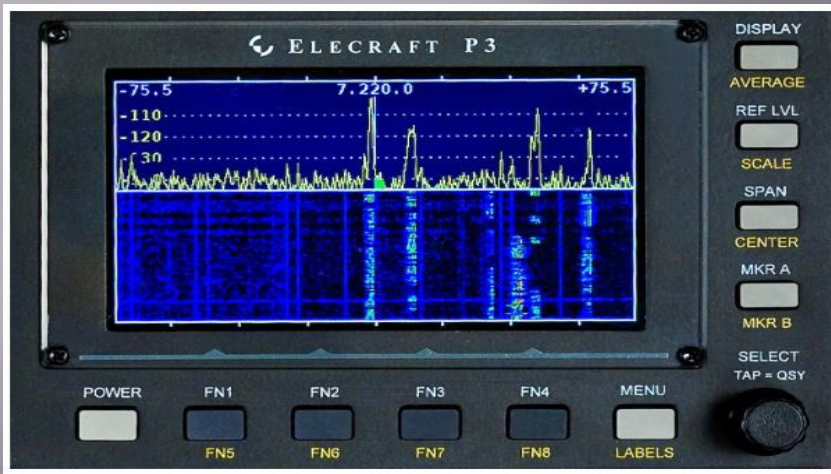
A Flex at N4EME



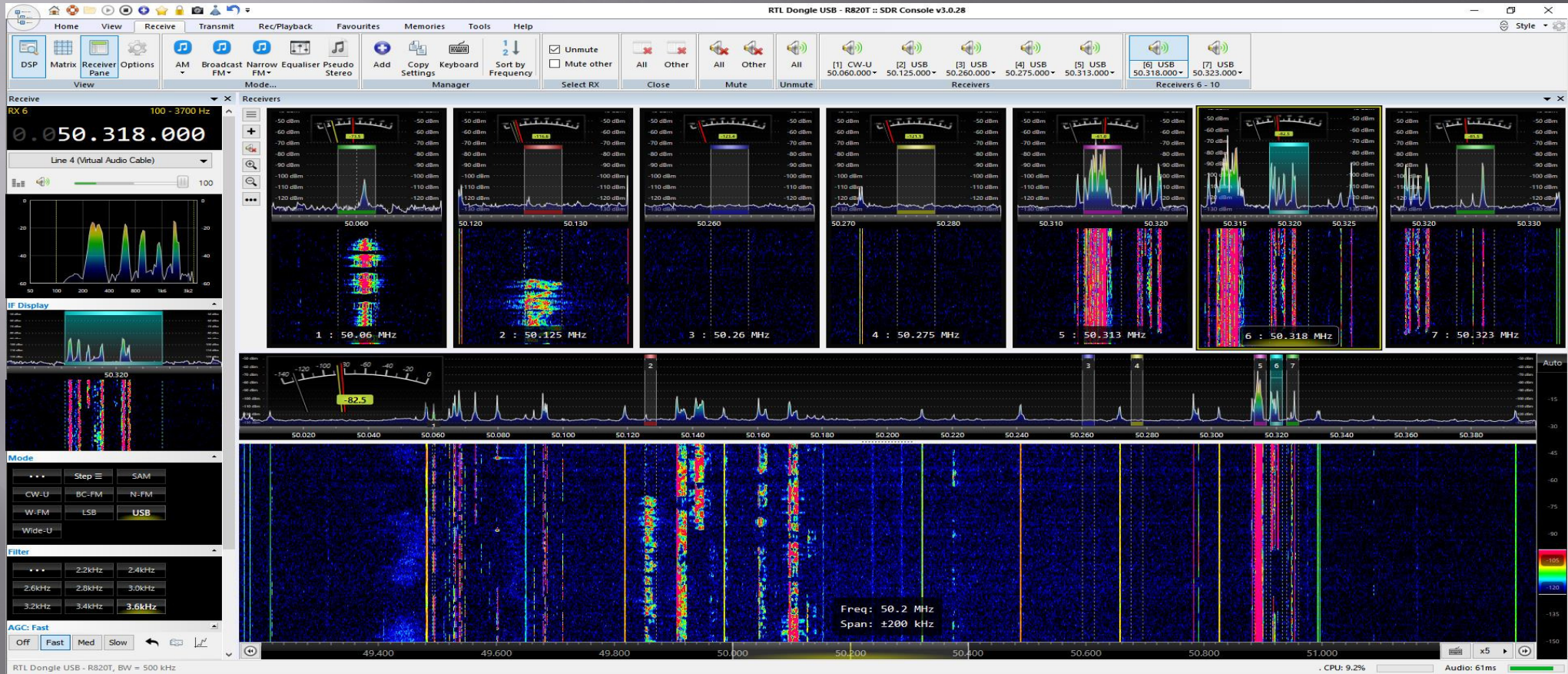
SDRswitch.com



Panadapter, IF Tap or a Receiver. What's the difference.



CW, SSB, MSK, Q65, FT8 USA, FT4, FT8 EU

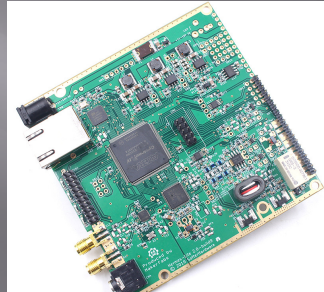
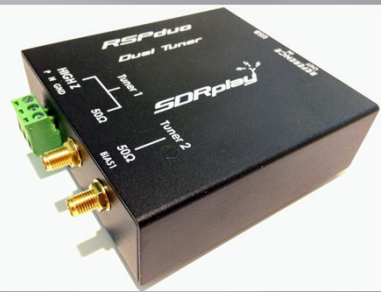


Software Defined Radio 3 different types.

RX Only

TX-RX Radios

Stand alone SDR Radios

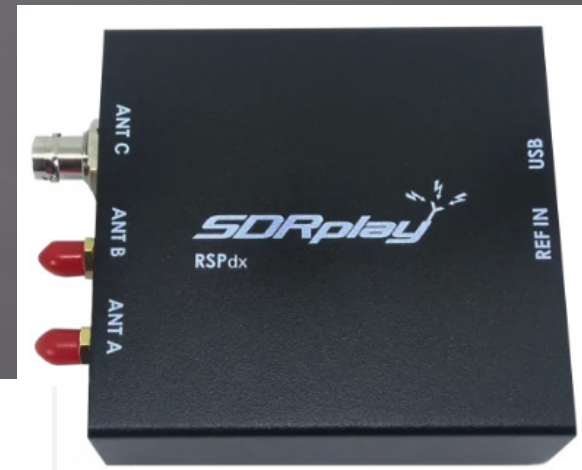


SDRSwitch.com

Which RX only SDR to choose?



HF
VHF
UHF
uW
????




Which SDR depends on which frequencies you want to work. SDRs can RX 50Hz thru 3GHz But just as with your current transceiver one SDR will not work effectively for all of them.

A simple computer




results

 **GLOTRENDS T8 Plus Mini PC Computer Win 11 Pro, Intel 12th Gen N100 (up to 3.4GHz) 16GB LPDDR5 256GB M.2 SSD, Dual Gigabit Ethernet, 3 HDMI and 3 USB 3.0, 4K UHD Graphics Card, 2.4G/5G WiFi, BT4.2**

[Visit the GLOTRENDS Store](#)
3.4 ★★★★★ 7 ratings | [Search this page](#)

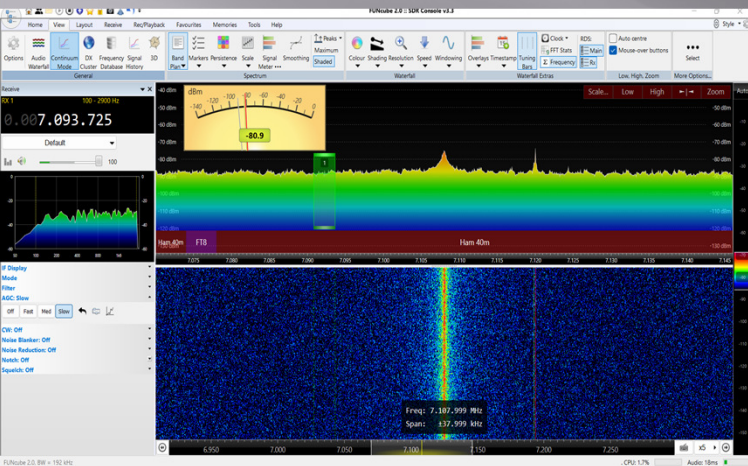
\$159⁰⁰
Or **\$15.97** /mo (12 mo). Select from 1 plan

 **prime**
FREE Returns

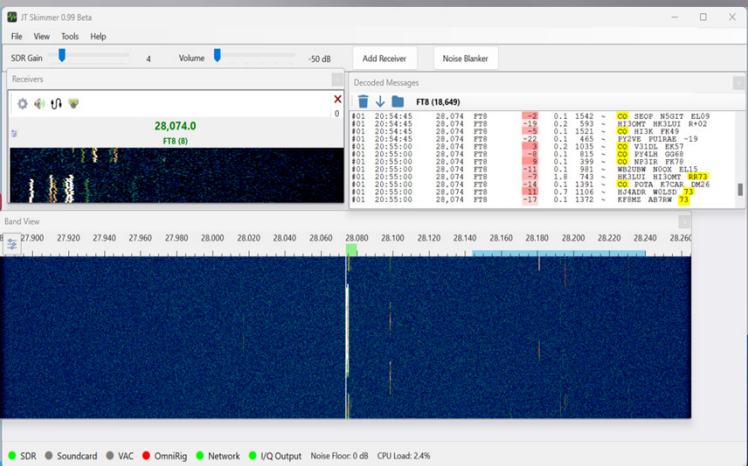
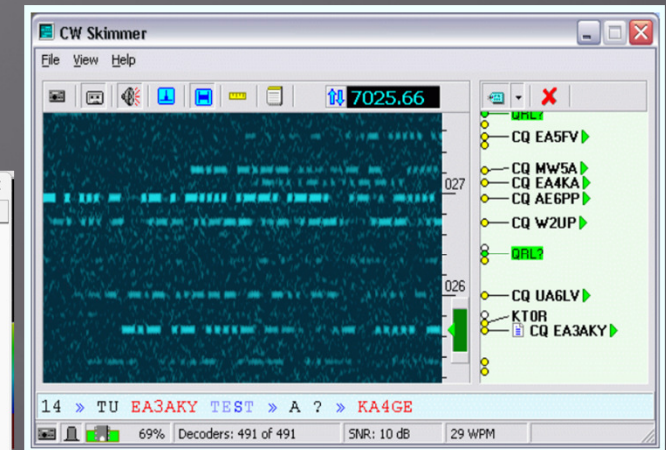
Thank you for being a Prime member. Get \$100 off: Pay \$59.00 \$159.00 upon approval for Prime Visa.

Specific Uses For Product	Business
Brand	GLOTRENDS
Personal computer design type	Mini PC
Operating System	Windows 11 Pro
Memory Storage	16 GB
See more	

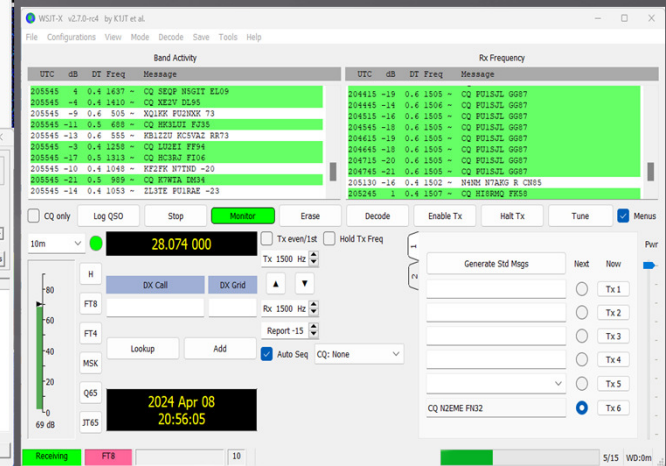
Software



External Radio Options dialog box for Omni-Rig. The dialog is titled "External Radio selection using OmniRig". It shows settings for Rig type (IC-7300-DATA), Port (COM 3), Baud rate (115200), Data bits (8), Stop bits (1), Parity (None), RTS (High), DTR (High), Poll int. (500), and Timeout (4000). There are also checkboxes for "Start when", "Restore Tr", "Add RTT of", and "Show in toolbar".



Virtual Audio Cable Control Panel dialog box. The dialog shows cable parameters such as SR (22050), Format range (16), and Connected source lines (Line). It also includes a table of cable parameters and a "Restart Audio Engine" button.

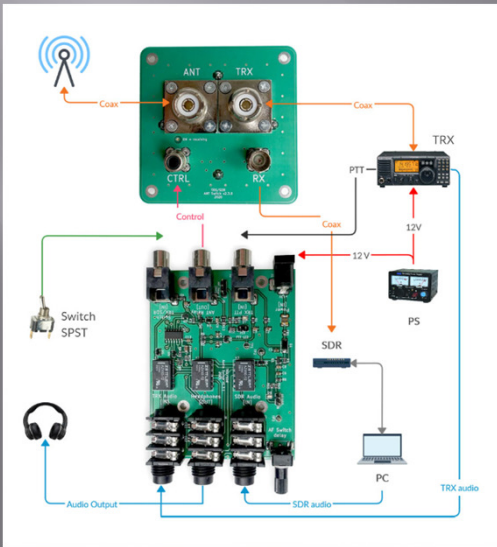
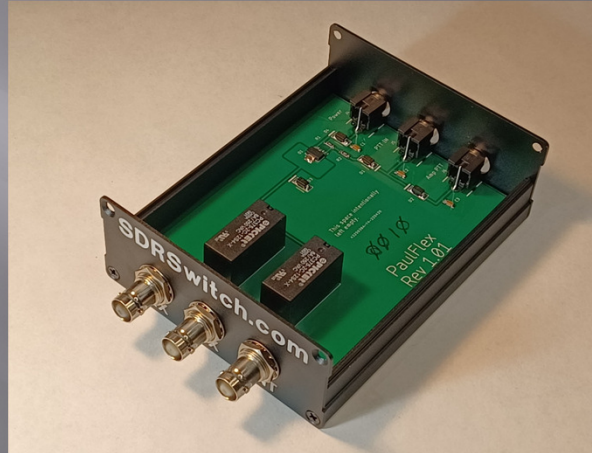


Do not worry.
All the information on the software is available at SDRSwitch.com

SDRSwitch.com

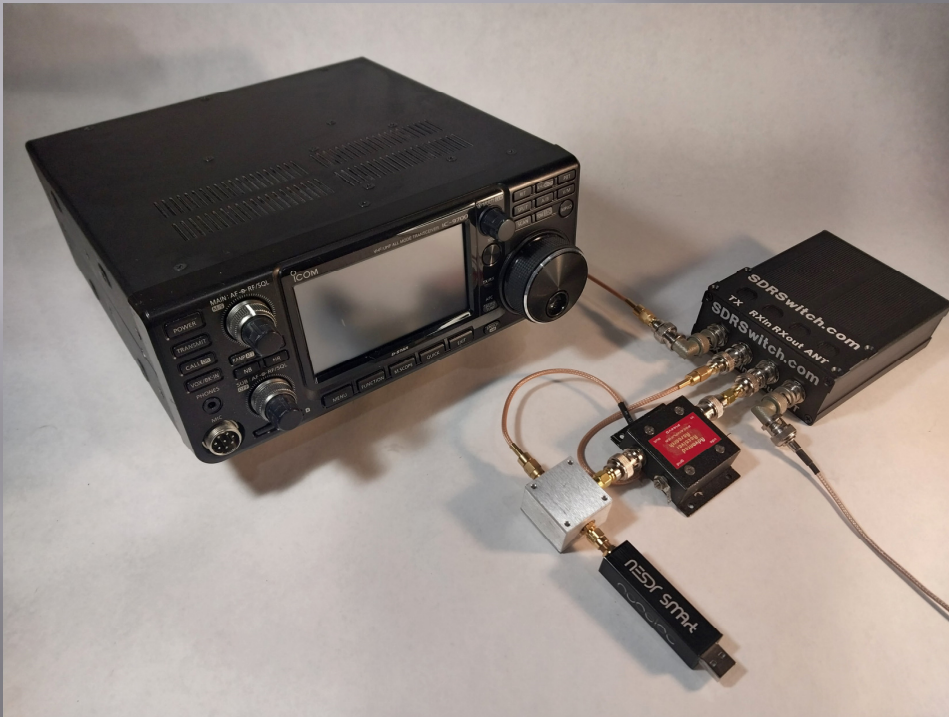
An SDRSwitch.

Please pay attention to the Insertion loss.

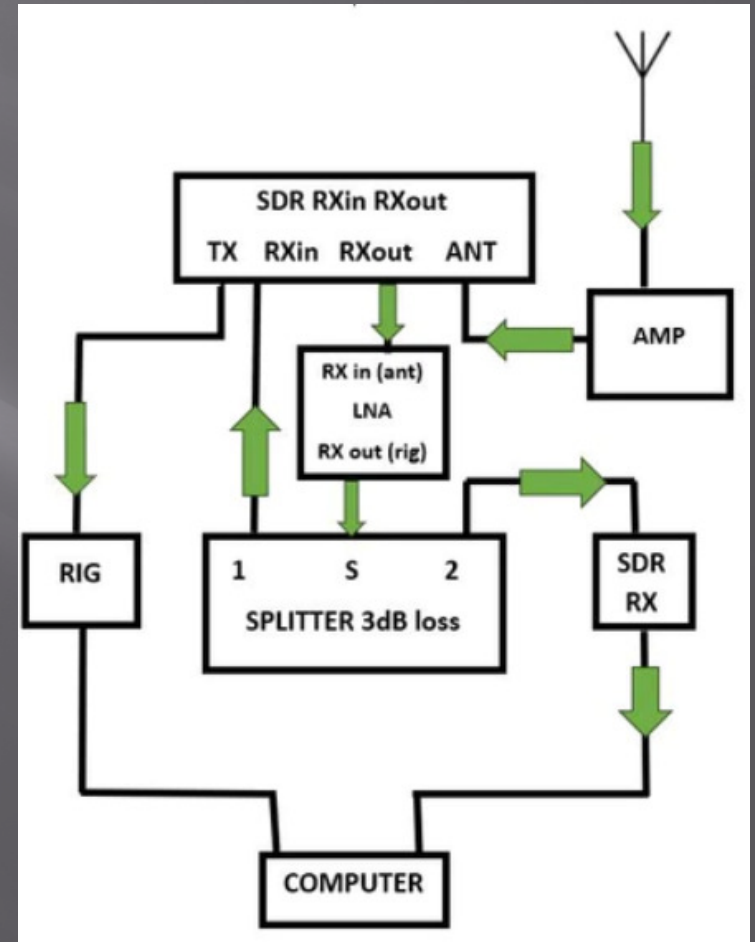


SDRSwitch.com

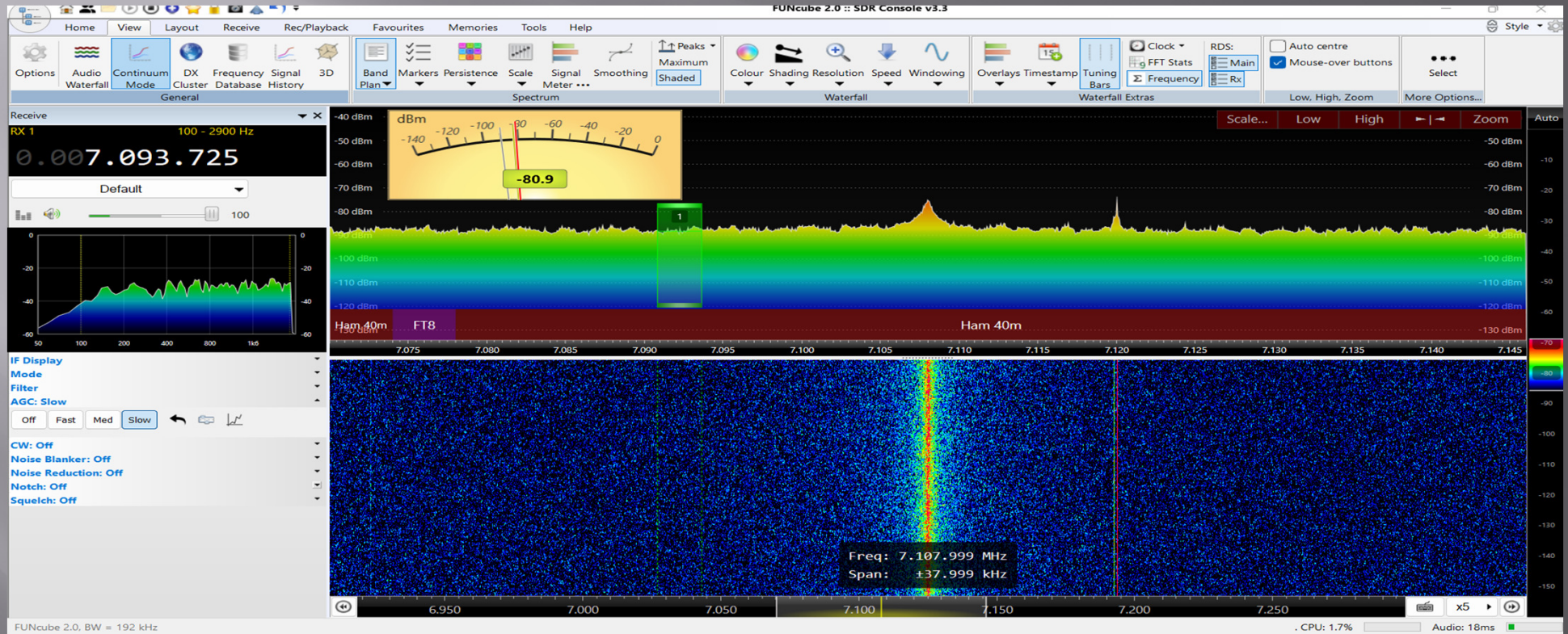
IC-9700 + Block Dig



SDRswitch.com



SDR Console



Do not worry.
All the information on the software is available at SDRSwitch.com
SDRSwitch.com

Omnirig

External Radio Options

Radio (Omni-Rig)

External Radio selection using OmniRig

Omni-Rig

1: IC-7300
2: NONE

Start when: Start when radio is on

Restore TR: Restore TR

Show in toolbar: Show in toolbar

Add RIT offset: Add RIT offset

Online: Online

Omni-Rig Settings

RIG 1 | RIG 2 | About

Tracking:

SDR => Radio Frequency Mode

Radio => SDR Frequency Mode

Rig type: IC-7300-DATA

Port: COM 3

Baud rate: 115200

Data bits: 8

Parity: None

Stop bits: 1

RTS: High

DTR: High

Poll int., ms: 500

Timeout, ms: 4000

OK Cancel

Receive

External Radio

Track Refresh

A Antenna USB

50.313.000

IC-7300-DATA, Online

Mode

Step SAM

CW-U BC-FM N-FM

W-FM LSB USB

Wide-U

Filter

2.2kHz 2.4kHz

2.6kHz 2.8kHz 3.0kHz

3.2kHz 3.4kHz 3.6kHz

Settings

General Radio Audio Tx Macros Reporting Frequencies Colors Advanced

Rig: OmniRig Rig 1 Poll Interval: 1 s

CAT Control

Serial Port: COM3

Serial Port Parameters

Baud Rate: 115200

Data Bits: Default Seven Eight

Stop Bits: Default One Two

Handshake: Default None XON/XOFF Hardware

Force Control Lines

DTR: RTS:

PTT Method

VOX DTR CAT RTS

Port: COM3

Transmit Audio Source

Rear/Data Front/Mic

Mode

None USB Data/Pkt

Split Operation

None Rig Fake It

Test CAT Test PTT

Update Hamlib

64-bit 32-bit Update Hamlib Revert Update

In use: Hamlib 4.6-git 2024-03-05T21:57:10Z SHA=b358cd 64-bit

Backed up: Hamlib 4.6-git 2024-03-05T21:57:10Z SHA=b358cd 64-bit

OK Cancel

VAC

Virtual Audio Cable Control Panel

Driver parameters

Cables

Workers threads

Up to

Prio

Clients

Streams

Cable parameters

Format range

SR .. BPS .. NC ..

Max inst Ms per int Stream fmt limit Clock corr ratio Volume control

Stream buffer watermark control

Enabled Low ms High ms Max wait ms Enable channel mixing Enable spk pin

Use PortCls Stream buffer (ms)

Cable	MS	SR range	BPS range	NC range	Stream fmt limit	Vol ctl	Chan mix	PortCls	Wmk ctl	Current format	Rc stms	Pb stms	Signal	Oflows	UFlows
1	7	22050..48000	8..16	1..2	Cable range	Off	On	Off	Off						
2	7	22050..48000	8..16	1..2	Cable range	Off	On	Off	Off						
3	7	22050..48000	8..16	1..2	Cable range	Off	On	Off	Off						
4	7	22050..48000	8..16	1..2	Cable range	Off	On	Off	Off						
5	7	22050..48000	8..16	1..2	Cable range	Off	On	Off	Off						
6	7	22050..48000	8..16	1..2	Cable range	Off	On	Off	Off	ExtPCM/48000/16/2(3)	1	1			
7	7	22050..48000	8..16	1..2	Cable range	Off	On	Off	Off						
8	7	22050..48000	8..16	1..2	Cable range	Off	On	Off	Off						
9	7	22050..48000	8..16	1..2	Cable range	Off	On	Off	Off						

WSJT-X

WSJT-X v2.7.0-rc4 by K1JT et al.

File Configurations View Mode Decode Save Tools Help

Band Activity

UTC	dB	DT	Freq	Message
205545	4	0.4	1637	~ CQ SEQP N5GIT EL09
205545	-4	0.4	1410	~ CQ XE2V DL95
205545	-9	0.6	505	~ XQ1KK PU2NXX 73
205545	-11	0.5	688	~ CQ HK3LUI FJ35
205545	-13	0.6	555	~ KB1ZZU KC5VAZ RR73
205545	-3	0.4	1258	~ CQ LU2EI FF94
205545	-17	0.5	1313	~ CQ HC3RJ FI06
205545	-10	0.4	1048	~ KF2FK N7TND -20
205545	-21	0.5	989	~ CQ K7WIA DM34
205545	-14	0.4	1053	~ ZL3TE PU1RAE -23

Rx Frequency

UTC	dB	DT	Freq	Message
204415	-19	0.6	1505	~ CQ PU1SJL GG87
204445	-14	0.6	1506	~ CQ PU1SJL GG87
204515	-16	0.6	1505	~ CQ PU1SJL GG87
204545	-18	0.6	1505	~ CQ PU1SJL GG87
204615	-19	0.6	1505	~ CQ PU1SJL GG87
204645	-18	0.6	1505	~ CQ PU1SJL GG87
204715	-20	0.6	1505	~ CQ PU1SJL GG87
204745	-21	0.6	1505	~ CQ PU1SJL GG87
205130	-16	0.4	1502	~ N4NM N7AKG R CN85
205245	1	0.4	1507	~ CQ HI8RMQ FK58

CQ only Log QSO Menus

10m **28.074 000** Tx even/1st Hold Tx Freq

Tx 1500 Hz Rx 1500 Hz Report -15 Auto Seq CQ: None

H FT8 FT4 MSK Q65 JT65

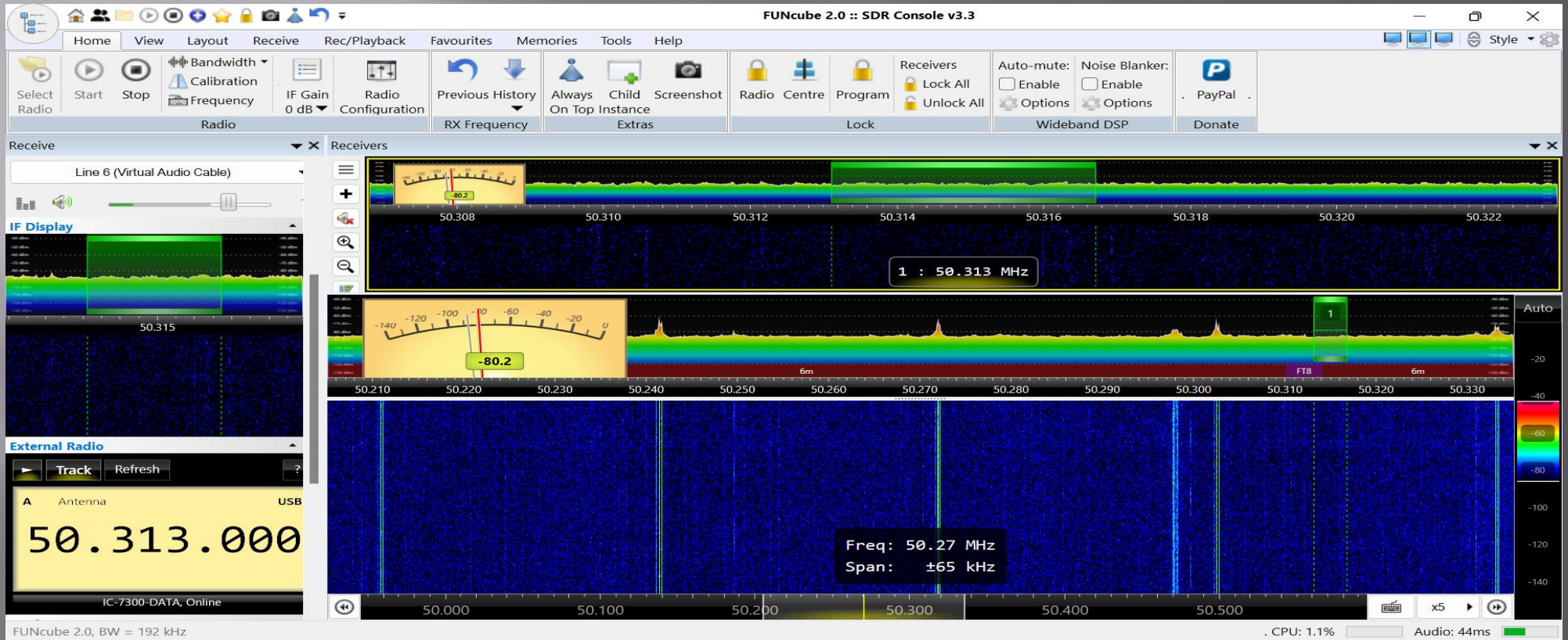
DX Call DX Grid Lookup Add

Generate Std Msgs Next Now Tx 1 Tx 2 Tx 3 Tx 4 Tx 5 Tx 6

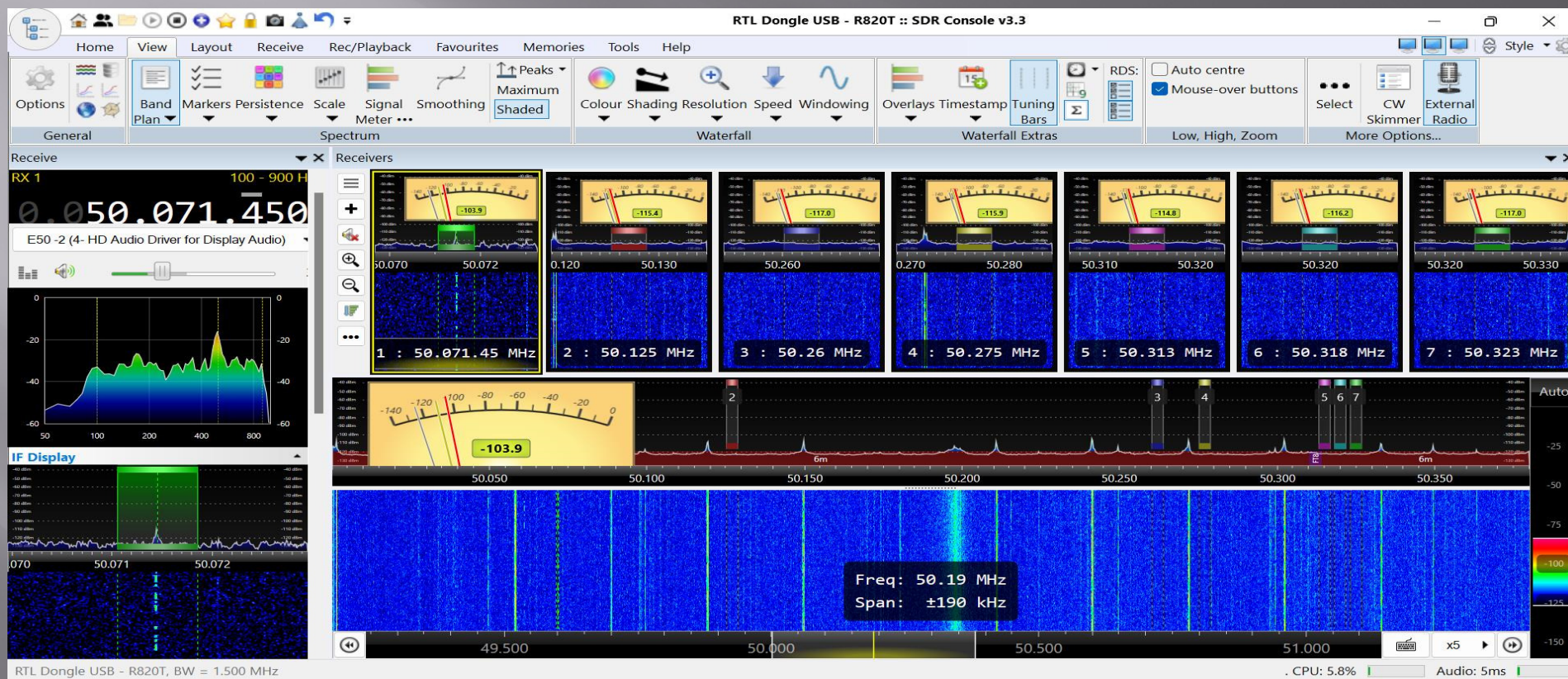
CQ N2EME FN32

Receiving FT8 10 5/15 WD:0m

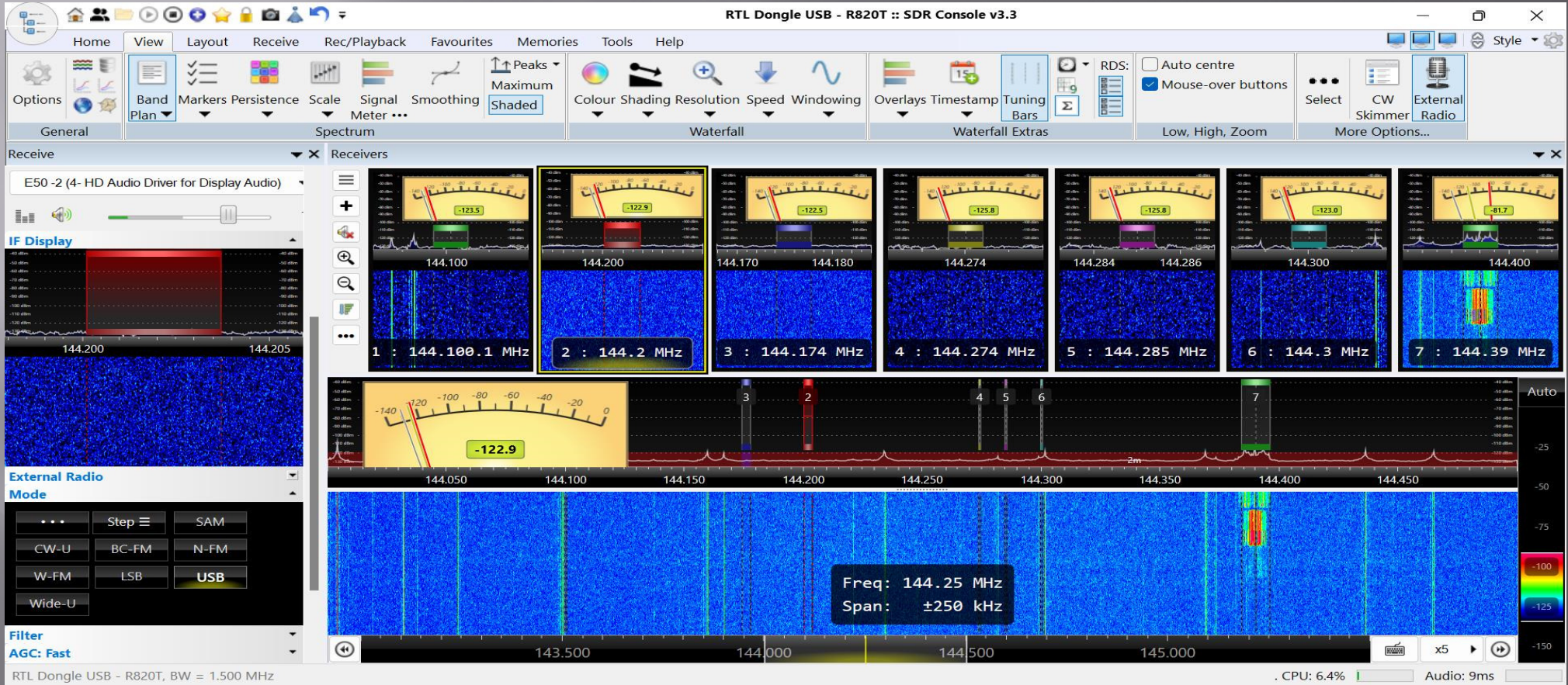
All talking to each other....



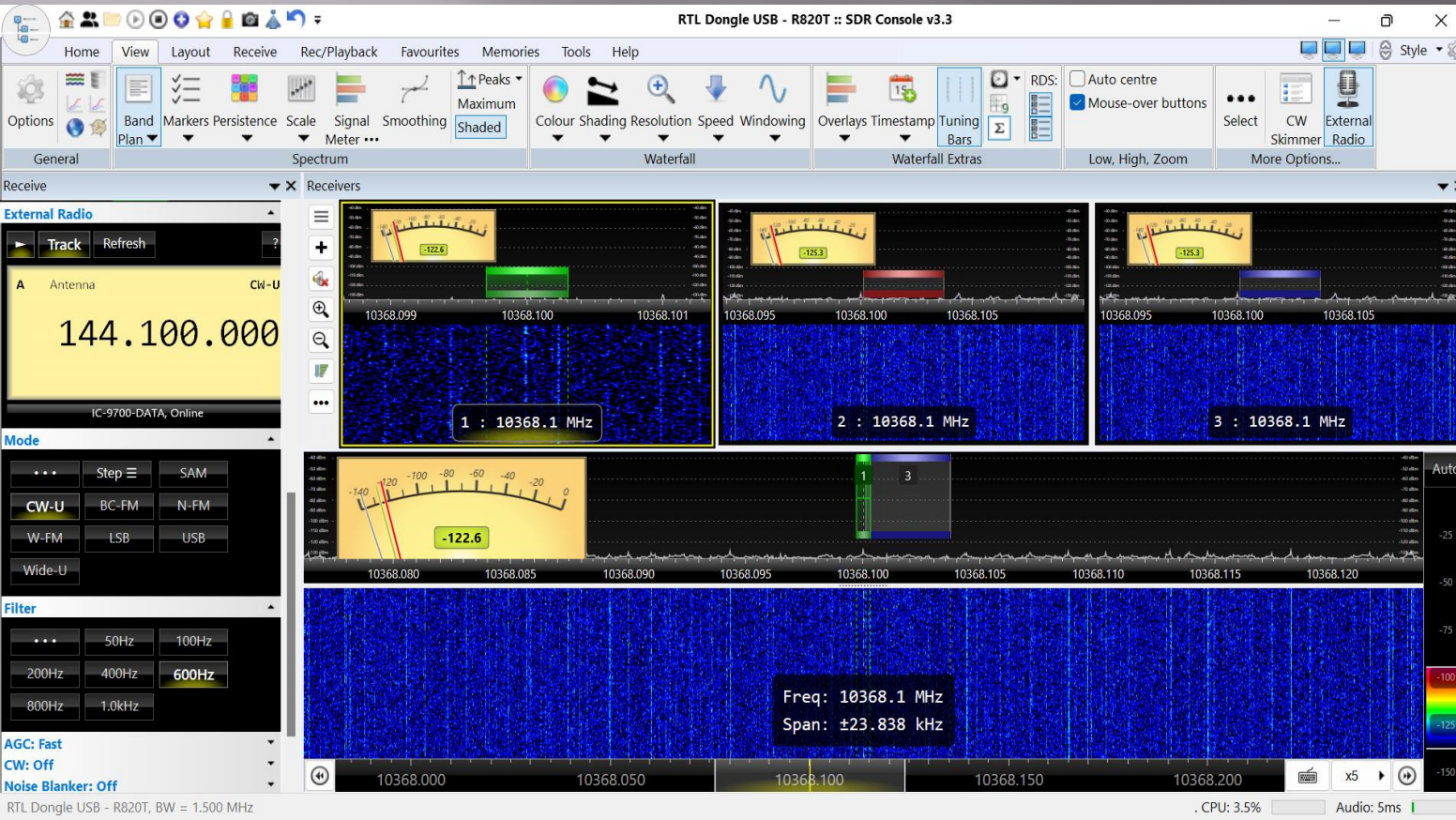
Add more RXs



2M all at once. CW, SSB, Digi and beacons.



10 GHz



SDRs for EME.

http://www.livecq.eu/default.asp

LiveCQ

Google Search Share More

LiveCQ 144 432 1296

12:51

All spots

Menu

- All spots
- Latest spots
- Who is online
- Add your CQ spot here
- User config
- Contest style
- Simple design all spots
- Mobile

Search

callsign

Spotters

- DG0OPK
- KB5WIA
- KB8RQ
- NJ2R
- ON4KHG
- PA3FPQ

Freq	Time	Signal	DF	DT		Call	Loc	Pol	M	Spotter
144.124	125000	-23	-080	2.5	CQ	IZ1GZA	JN34	34	B	KB8RQ
144.124	125000	-25	-455	2.6	CQ	IZ1GZA	JN34	0	B	ON4KHG
144.124	124800	-28	-328	2.8	CQ	IZ1GZA	JN34	0	B	DG0OPK
144.127	124900	-14	-156	2.8	CQ	KB8RQ	EM79	84	B	PA3FPQ
144.127	124900	-19	-007	2.7	CQ	KB8RQ	EM79	27	B	NJ2R
144.127	124900	-23	+036	2.8	CQ	KB8RQ	EM79	90	B	KB5WIA
144.131	124400	-17	+227	2.6	CQ	KB5WIA	CM88	123	B	KB8RQ
144.131	124200	-23	-149	2.5	CQ	KB5WIA	CM88	0	B	ON4KHG
144.131	124200	-25	+049	2.6	CQ	KB5WIA	CM88	7	B	PA3FPQ
144.131	124200	-26	-027	2.8	CQ	KB5WIA	CM88	0	B	DG0OPK
144.138	125000	-16	+033	2.7	CQ	G6PHH	IO91	60	B	KB8RQ
144.138	125000	-23	-343	2.8	CQ	G6PHH	IO91	0	B	ON4KHG
144.138	125000	-23	-143	2.8	CQ	G6PHH	IO91	167	B	PA3FPQ
144.138	125000	-24	-217	2.9	CQ	G6PHH	IO91	0	B	DG0OPK
144.144	124500	-26	-276	2.8	CQ	ON4KHG	JO10	0	B	DG0OPK

Info is from manually input and from MAP65 users and filtered for ONLY CQ QRZ and QRT messages.

NO qso info is given!!

It can be used for WSJT, CW or whatever you want.

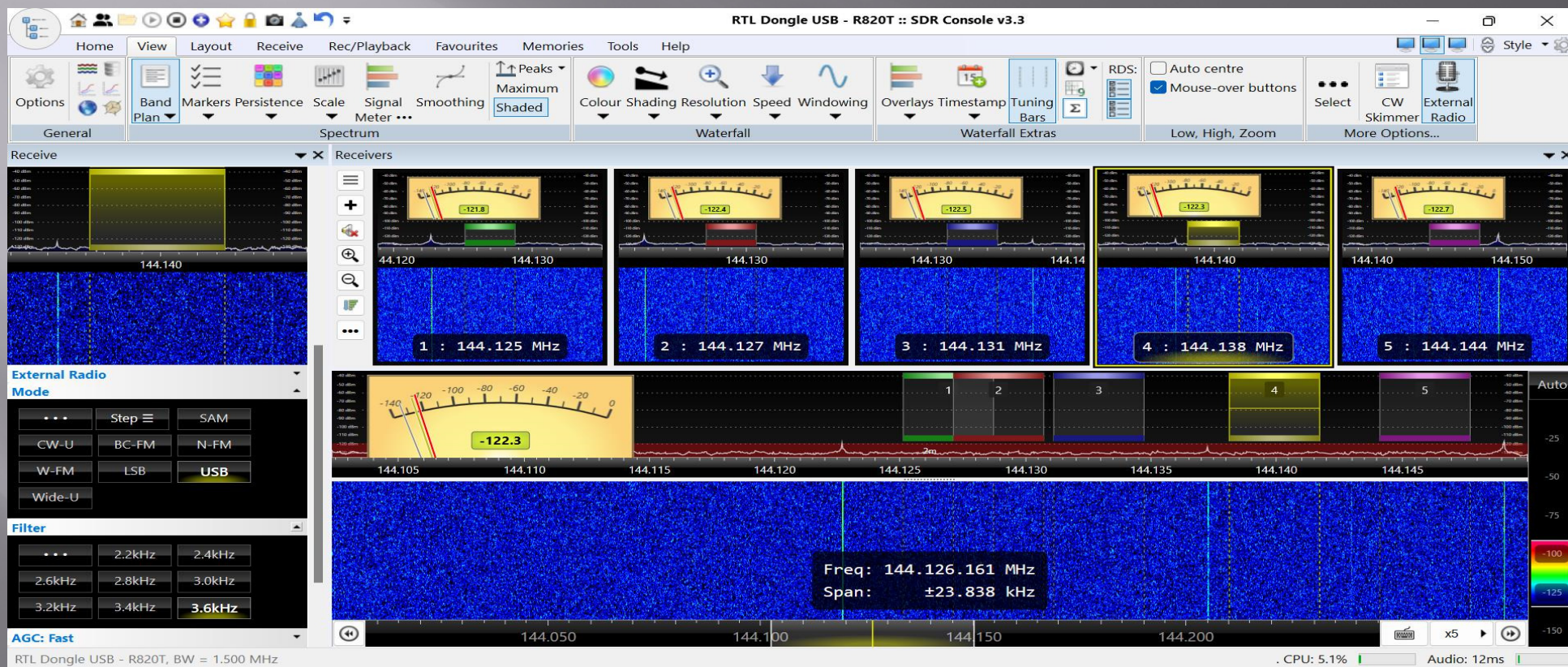
This is experimental and made by PE1L, thanks to PE1LWT, PA3FPQ and all spotters

MAP65 users are welcome!, send email to PE1L

Hosting June 2013 sponsored by OK1IL

Polarity 0 and 180 = Horizontal
Polarity 90 = Vertical

2M EME SDRC with WSJT-x



JTSkimmer

The screenshot displays the JTSkimmer software interface. At the top, there is a menu bar with 'File', 'View', 'Tools', and 'Help'. Below the menu bar, there are two sliders: 'SDR Gain' set to 4 and 'Volume' set to -50 dB. To the right of these sliders are two buttons: 'Add Receiver' and 'Noise Blanker'.

The main area is divided into several sections. The top section is titled 'Receivers' and contains five individual receiver windows. Each window has a title bar with a gear icon, a speaker icon, a headphones icon, and a close button. Below the title bar, the frequency and mode are displayed in green text: '144,124.0 JT65B (0)', '144,127.0 JT65B (0)', '144,131.0 JT65B (0)', '144,138.0 JT65B (0)', and '144,144.0 JT65B (0)'. Each window also contains a small spectrogram or waterfall plot.

Below the receiver windows is a section titled 'Decoded Messages' with a trash icon, a download icon, and a folder icon. This section is currently empty.

The bottom section is titled 'Band View' and shows a frequency spectrum from 144.080 to 144.170 MHz. The spectrum is mostly dark with some noise. There are two prominent green bars indicating signal activity: one between 144.125 and 144.135 MHz, and another between 144.140 and 144.150 MHz.

At the bottom of the interface, there is a status bar with the following information: SDR (green dot), Soundcard (grey dot), VAC (grey dot), OmniRig (green dot), Network (green dot), I/Q Output (red dot), Noise Floor: -12 dB, and CPU Load: 2.0%.

An idea for the HF guys....



SDRswitch.com

An SDR is a Receiver

It works in tandem with your current transceiver setup.

It is not just a Panadapter for pretty pictures.

The software will offer more RX options than your rig alone.

It is multimode. CW, SSB, AM, FM, Digi.....

It is broadband so it will need help just like your rig does.

It integrates smoothly with popular software such as WSJT-x.

You will see signals long before you can hear them.