

# Flex-6700 HF + 6M + 2M Transceiver

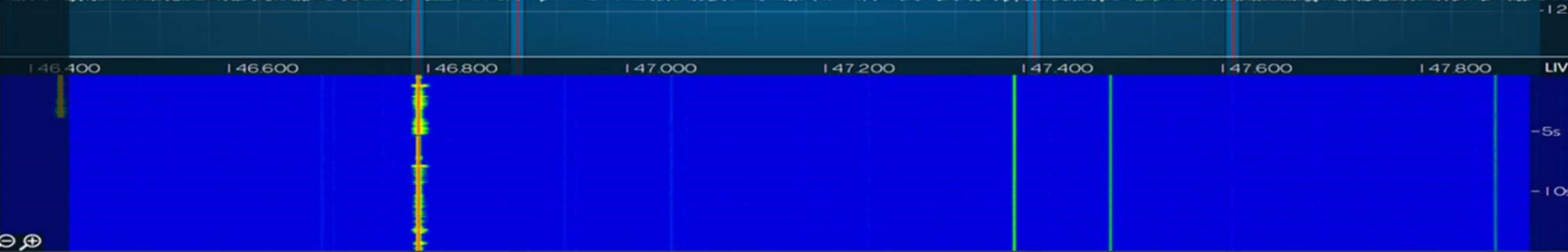
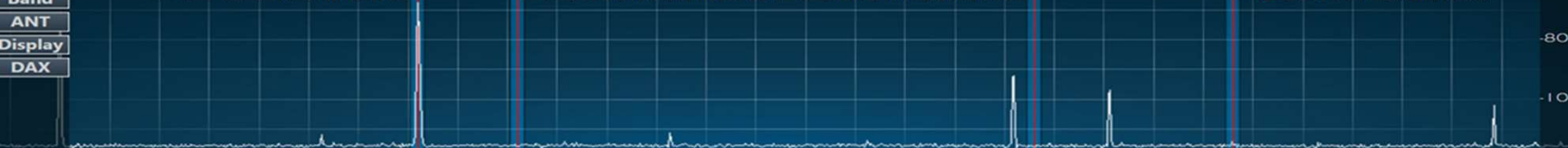
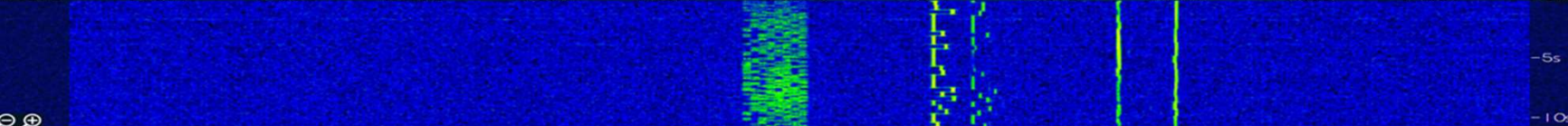
- \$7000 – Rated #1 in 3<sup>rd</sup> order Dynamic Range (DR3) by Sherwood Eng.
- 2 SCUs; 8 Slice Receivers
  - Frequency coverage: 30 kHz – 72 MHz; 135 – 165 Mhz
- 100W Direct Digital Up-conversion transmitter
  - 16-bit DAC; 491.52 Ms/s
- 0.02 ppm OCXO
  - 10 Mhz reference clock input
- Built-in ATU
- Options:
  - Handle Kit: \$75
  - Internal GPSDO: \$699
  - Rack mount kit: \$99



# Flex-6700



+RX  
+TNF  
Band  
ANT  
Display  
DAX



TNF CWX FDX

TX P/CW PHNE RX EQ

RF Power: -60 -80 -100 -120

SWR: 1 2 3

RF Power: Tune Pwr: Success Byp Mem

TUNE MOX ATU MEM

Level: -40dB -30 -20 -10 0

Compression: 25dB

\*Default

MIC: NOR DX DX+ +ACC

PROC: DAX

MON

AM Carrier:

VOX:

Delay:

DEXP

Low Cut: 100 High Cut: 2900

TX: 100 2900

ANT1 ANT1 4.0K QSK

TX: 14076.000

STEP: 1.6K 1.8K 2.4K 2.7K 3.3K 4.0K

2.1K 40K 4100

OFF L R

NB NR ANF

RIT 0 0

XIT 0 0

Hz: 63 125 250 500 1k 2k 4k 8k

+10dB

ON

RX

TX

-10dB

TX Ready 05/16/17 04:02:19Z



# HackRF One

- \$299.95
- 1 MHz to 6 GHz
- Half-duplex transceiver
  - Low TX output:
    - 10 MHz to 2150 MHz: 5 dBm to 15 dBm, generally increasing as frequency decreases
    - 2150 MHz to 2750 MHz: 13 dBm to 15 dBm
    - 2750 MHz to 4000 MHz: 0 dBm to 5 dBm, increasing as frequency decreases
    - 4000 MHz to 6000 MHz: -10 dBm to 0 dBm, generally increasing as frequency decreases
- 8-bit quadrature samples; 20 Ms/s
- 10 Mhz external reference clock input
- SMA connectors
- USB 2.0 interface
- Compatible with many 3<sup>rd</sup> party software programs



# Icom IC-7300 HF Transceiver

- \$1350
- Direct sampling
  - RX: 0.03 – 74.8 MHz
  - 15 discrete bandpass filters
- RMDR: 97 dB typical
- Real-time waterfall display
- 4.3" color TFT touch screen
- Built-in automatic antenna tuner
- USB interface for PC and remote control



# Icom IC-7610 HF + 6M Transceiver

- \$3500 – rumored U.S. price
  - U.S. introduction reported to be in July
- Two independent direct-sampling receivers
- 7" color display w. panafall
- USB port for KBD and Mouse
- DVI-D port for external monitor
- Ethernet port for IP remote operation
- High speed automatic tuner
- Large, refined speaker box
- Preselectors for enhanced image rejection





# Lunaris-SDR HF + 6M + VNA

- \$1483 (including enclosure)
- Single board DUC/DDC (16-bit) 10W transceiver
- 7 relay-switched low pass filters
- Vector Network Analyzer mode
- 10 MHz external reference input
- Broad software support:
  - PowerSDR
  - GHPSDR for Linux
  - KISS Console
  - CuSDR
  - GNU Radio
  - G0ORX's Android app



# Odyssey TRX

- \$445 w/o case
- Open Source 16-bit HF DDC
  - 122.88 MHz sampling frequency
  - 0.5– 55 MHz frequency range
    - wideband scope covers same range
  - VNA mode
- Based on Cyclone IV FPGA
- Single board device
  - Fits Hammond 1455J1201 case
- 10 mW TX power
- IMD3: 60 -65 dB
- LAN, WiFi and USB 3.0
- SMA connectors
- 10 MHz reference input

