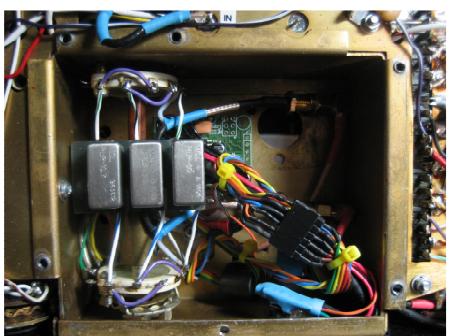
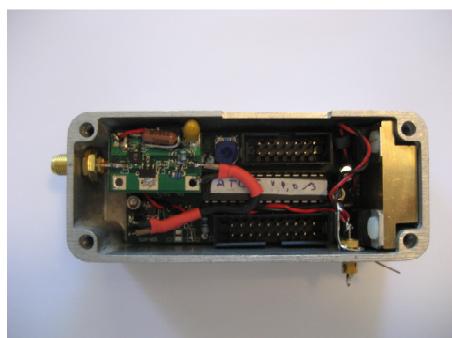
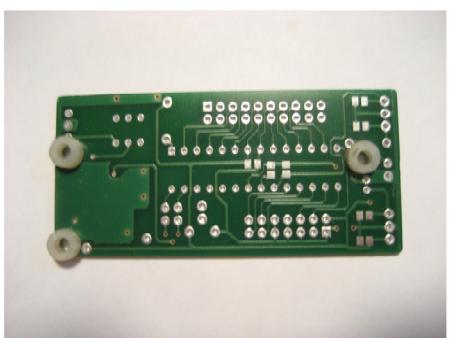
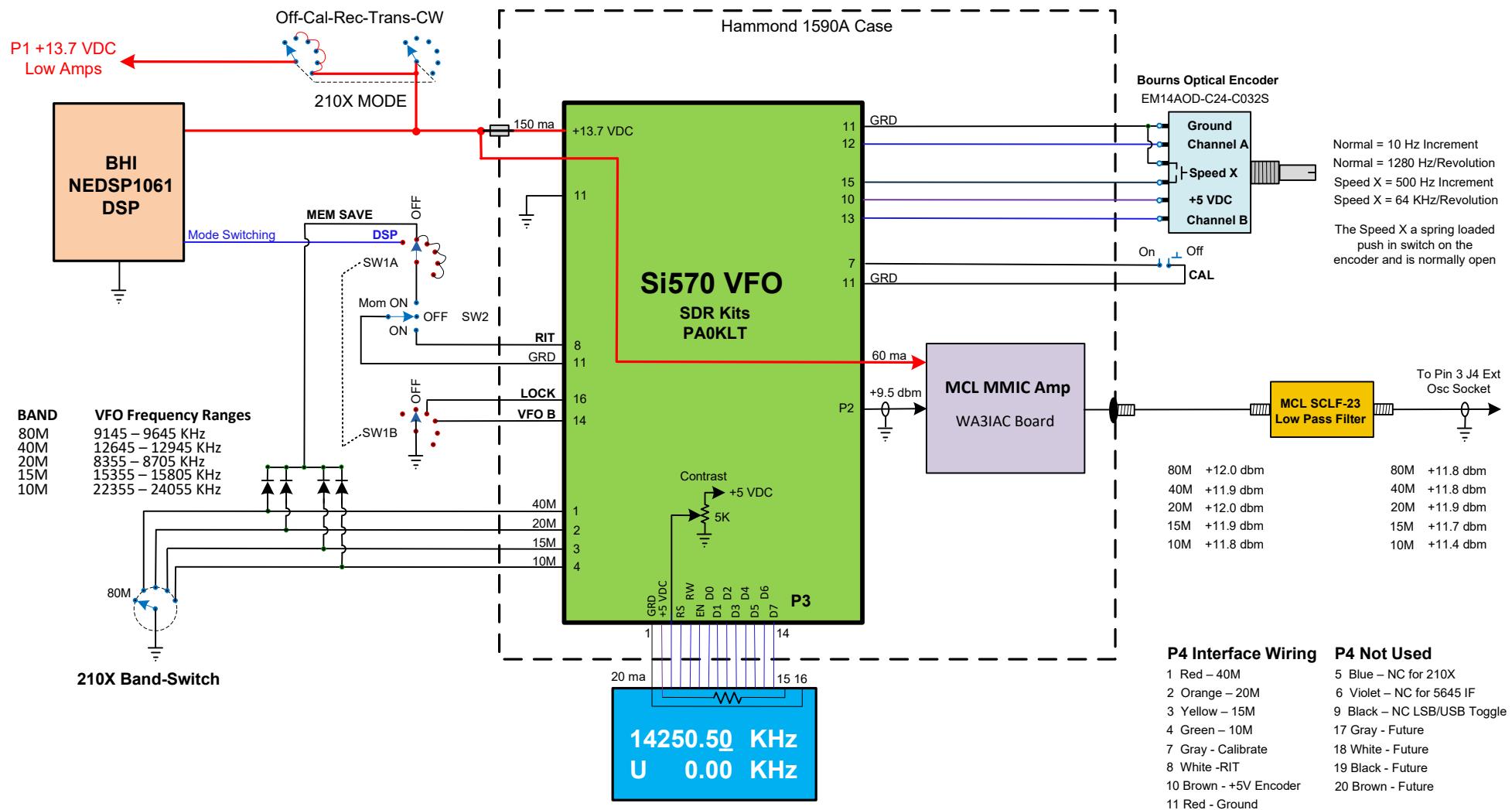


Si570 VFO MODULES

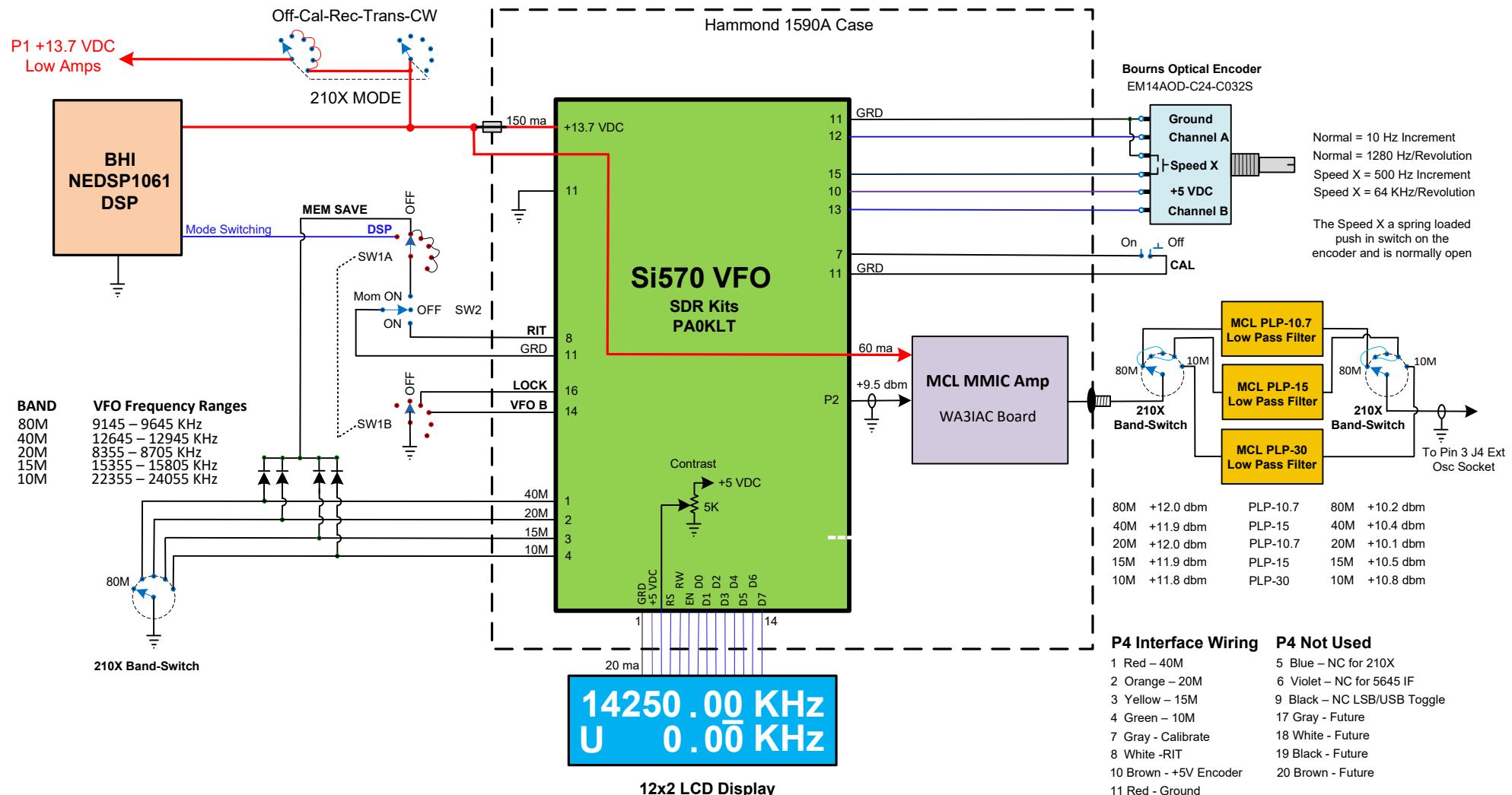


Si570 VFO

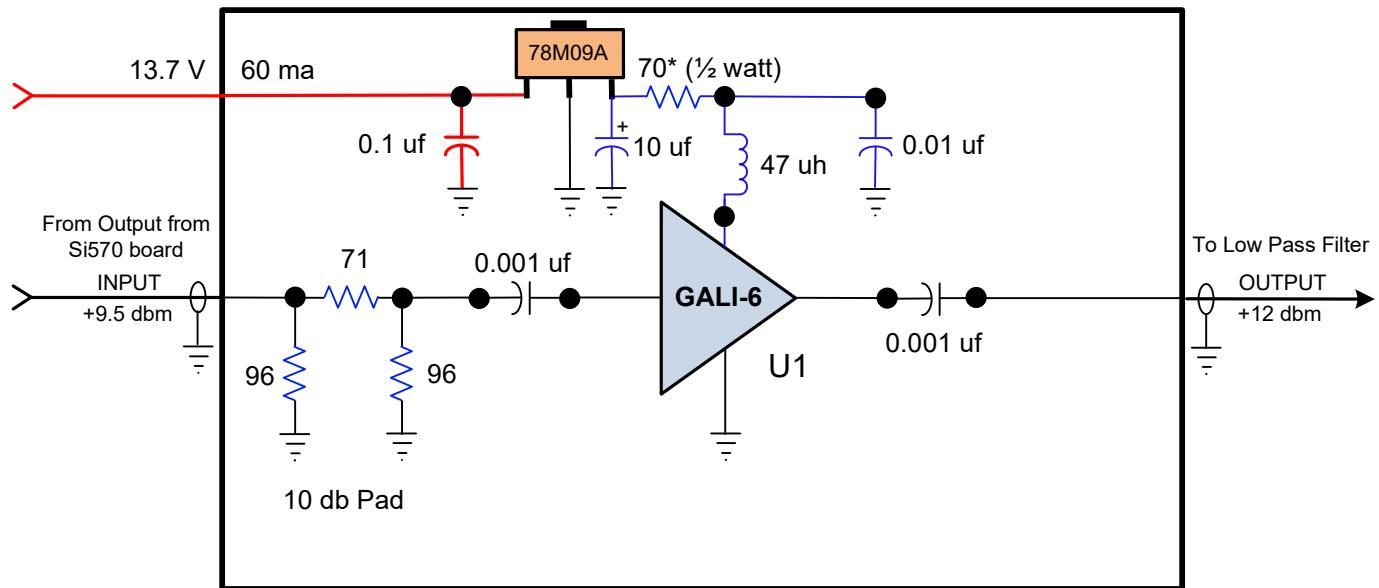
Atlas 210X/215X



Si570 VFO Atlas 210X/215X



Mini Circuits Lab MMIC Amplifier



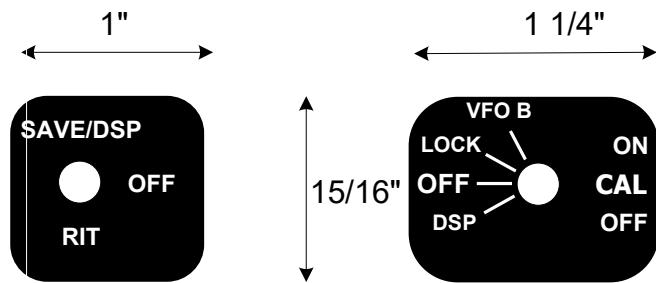
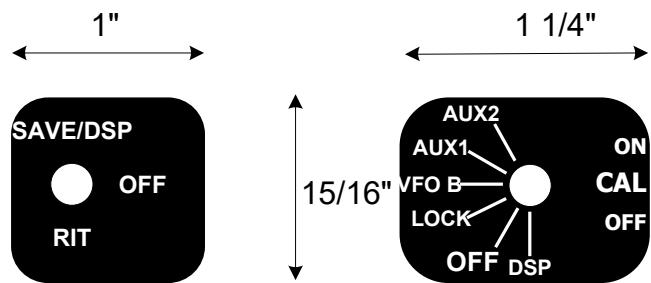
* adjust value for 60 – 70 ma of current

<https://www.minicircuits.com/pdfs/GALI-6+.pdf>

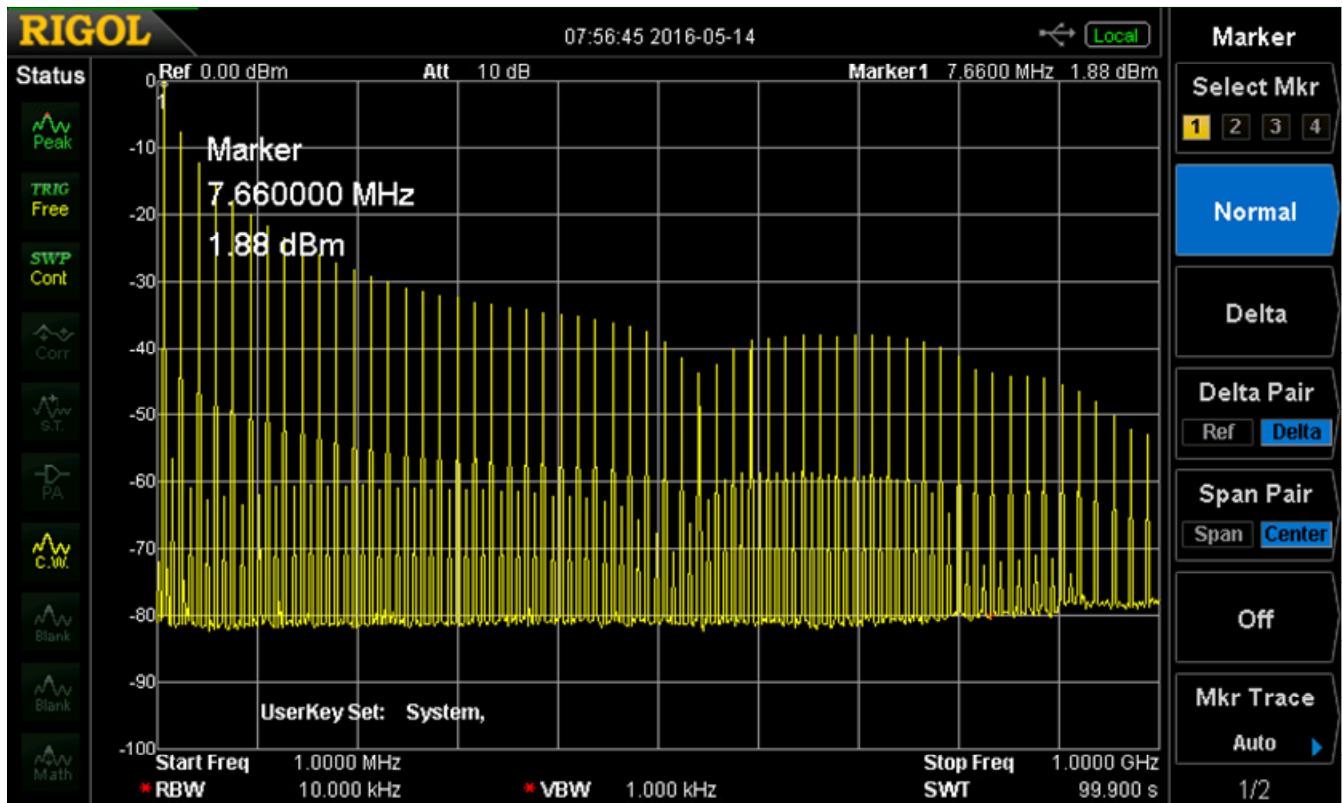
MMIC board available from WA3IAC

MMIC board available from RFExtra on eBay

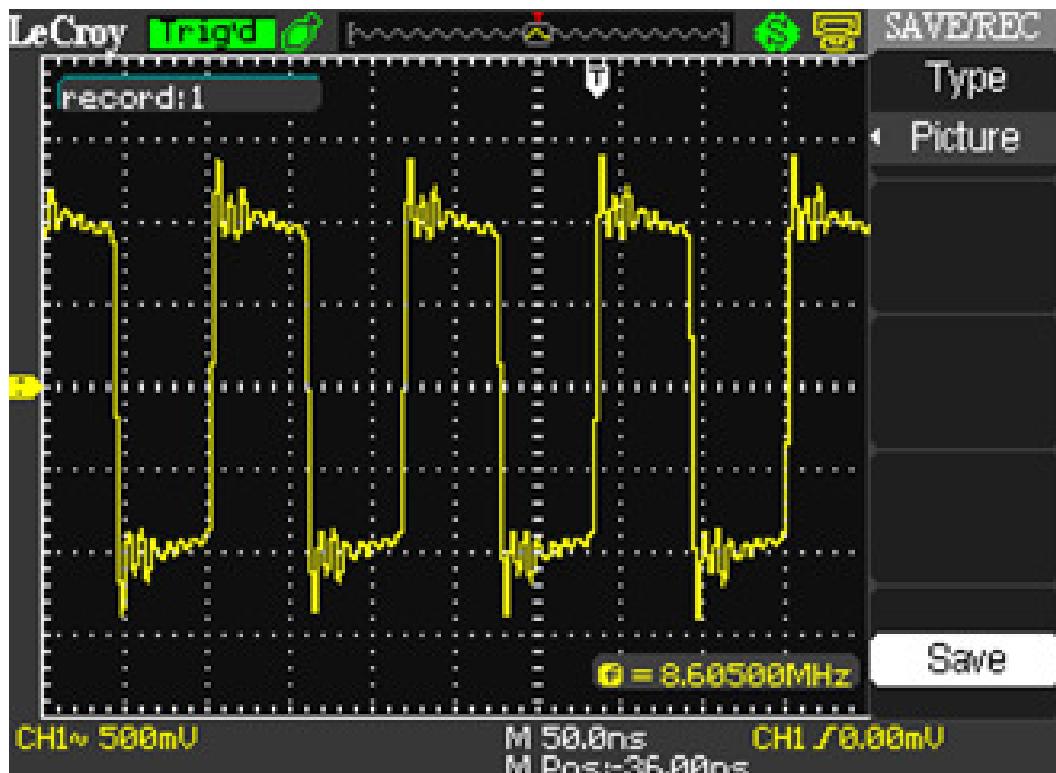
ATLAS FRONT PANEL OVERLAY PLATES



Si570 Output Signal No Output Filtering

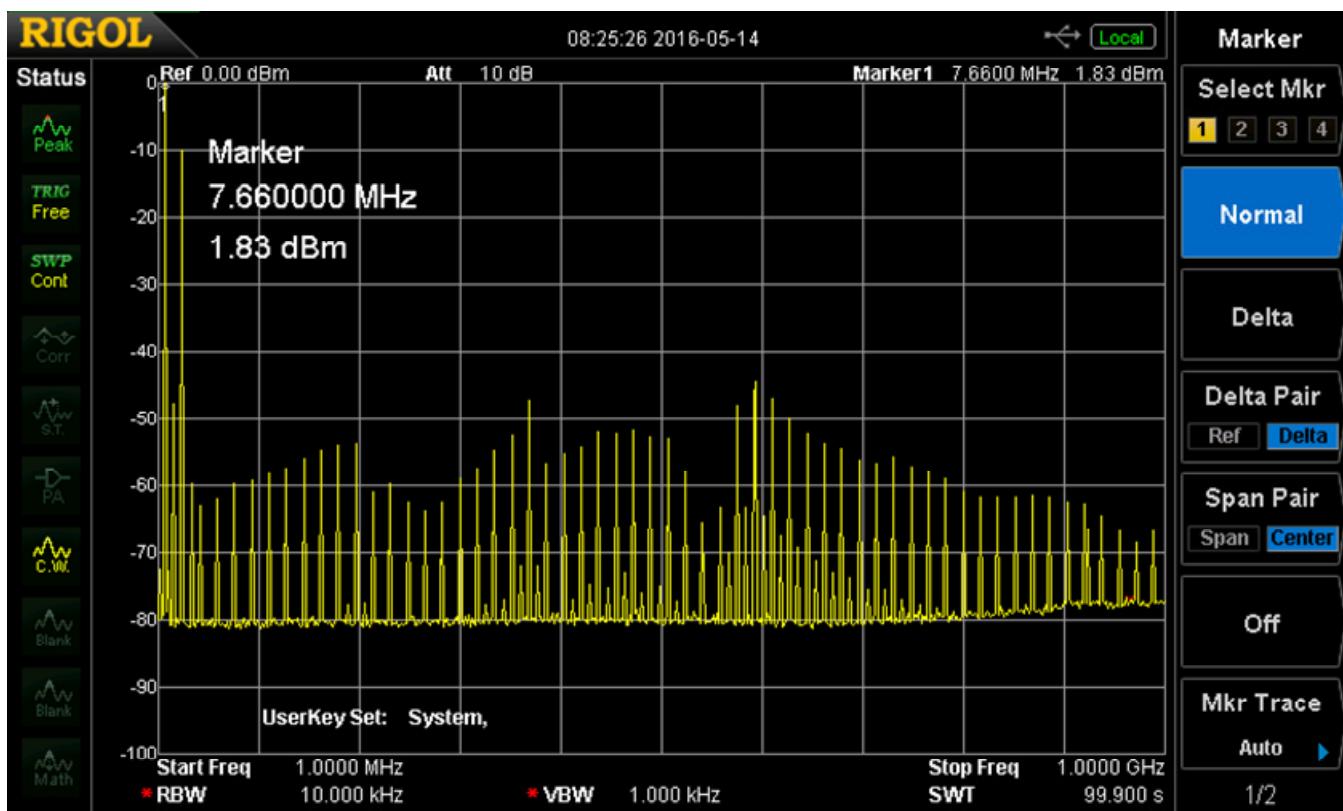


20M Fundamental

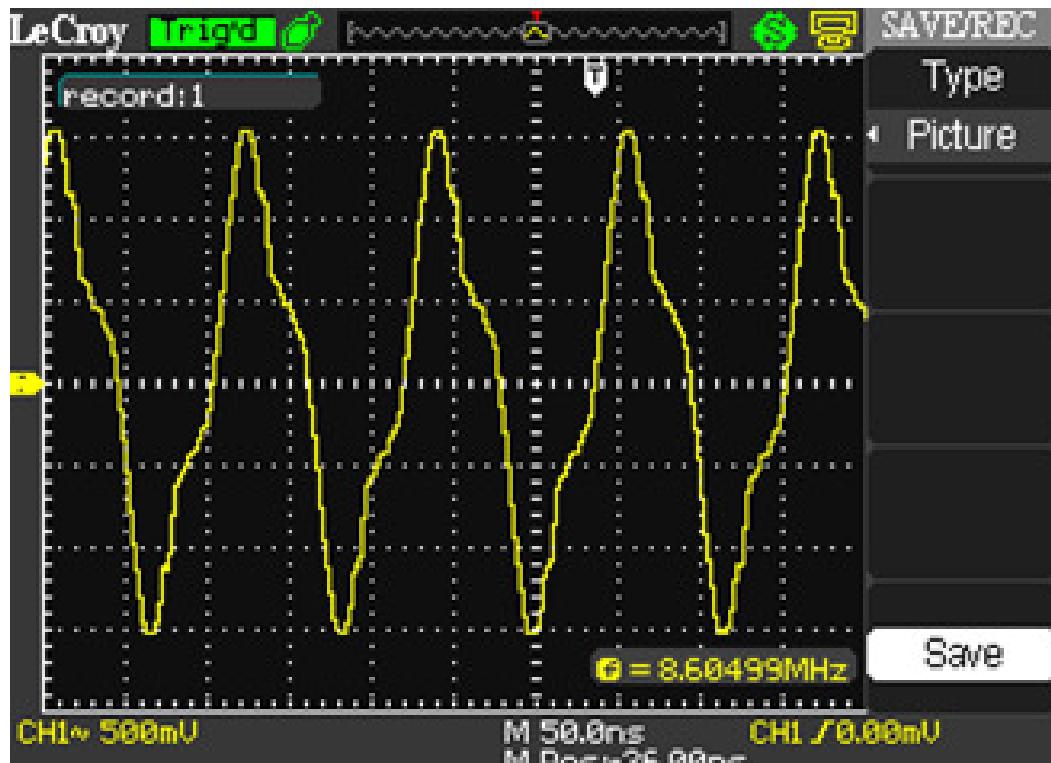


20M
Waveform

Si570 Output Signal SCLF-23 LPF

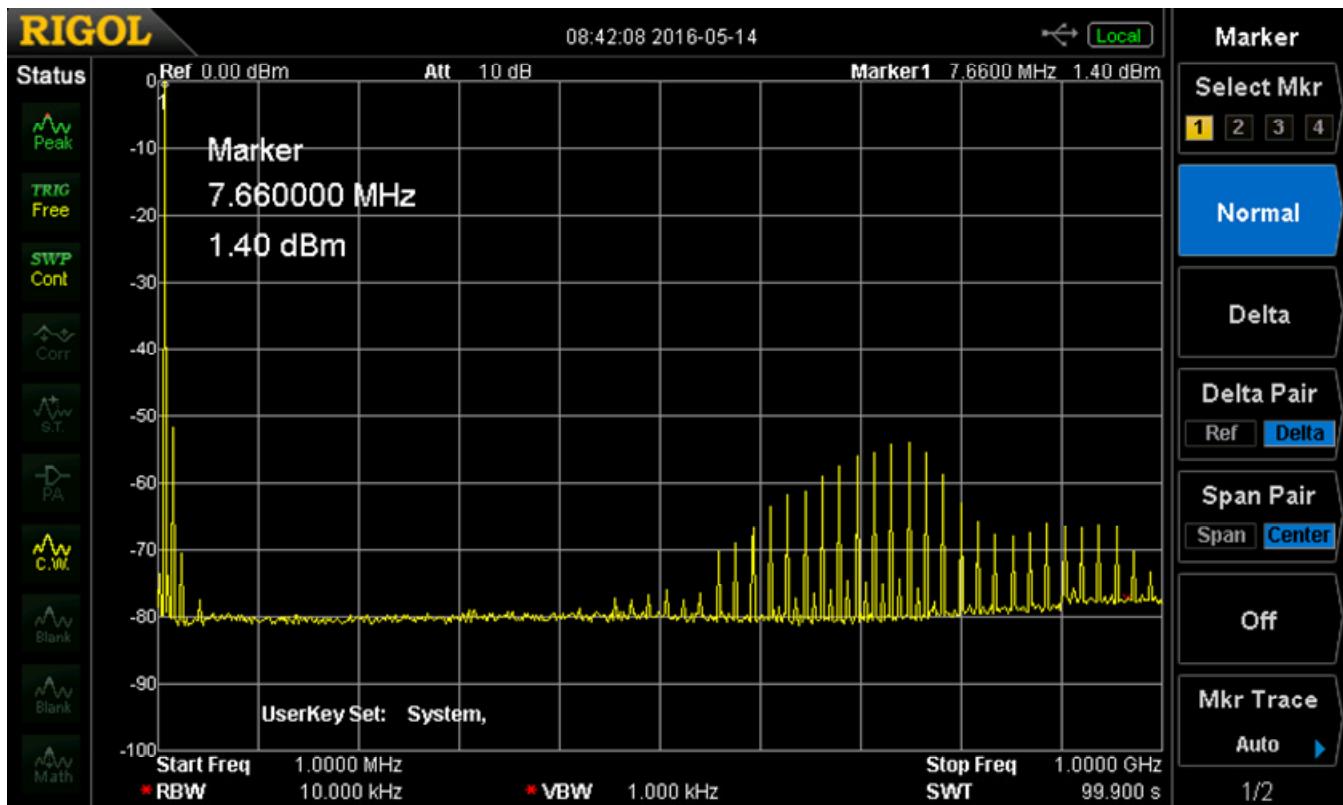


20M Fundamental

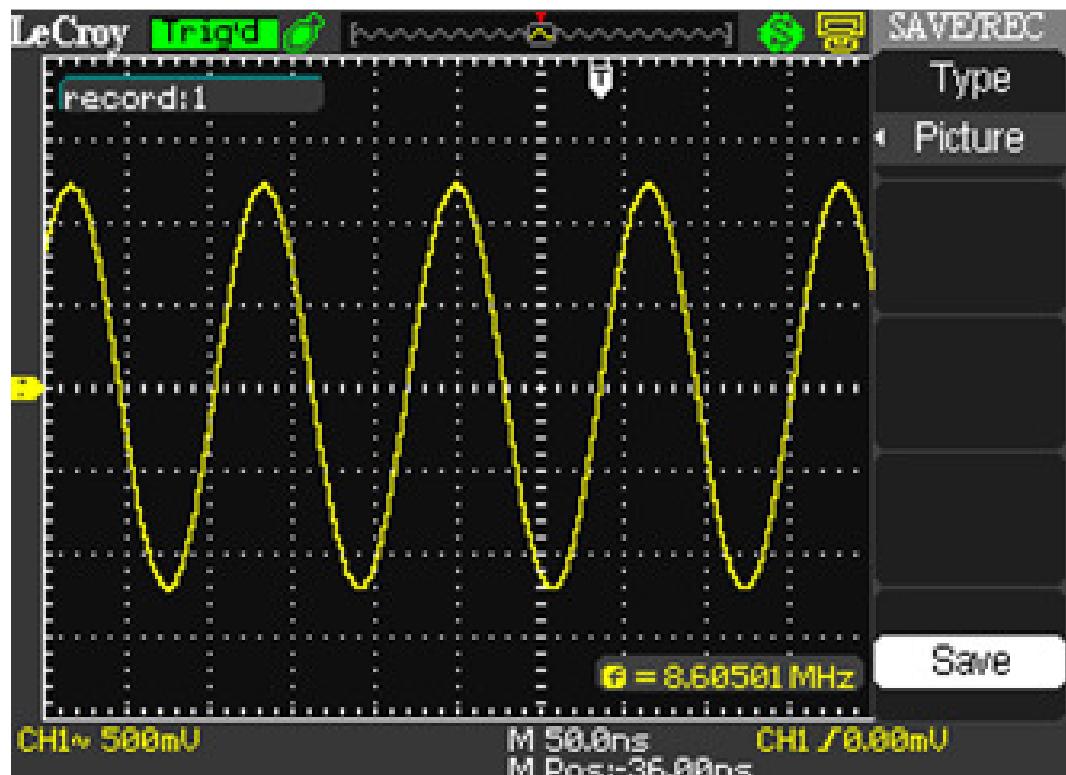


20M
Waveform

Si570 Output Signal PLP-10.7 LPF



20M Fundamental



**20M
Waveform**

TYPICAL 8X2 LCD DISPLAYS

14250 .00
U 0 .00

Normal Display
10 Hz Frequency Step
Upper Sideband

14250 .00
L 0 .00

Normal Display
10 Hz Frequency Step
Lower Sideband

14250 .00
U 0 .00

Normal Display
500 Hz Frequency Step
Upper Sideband

14250 .00
UR 0 .00

Normal Display
10 Hz Frequency Step
Upper Sideband
RIT Enabled – No Offset

14250 .00
UR+1 .00

Normal Display
10 Hz Frequency Step
Upper Sideband
RIT Enabled – +1 KHz Offset

14250 .00
11424236

Calibrate Mode
10 Hz Frequency Step

14250 .00
Stored

Calibrate Save

15000 .00
U 0 .00

VFO B – 20M Band
15 MHz WWV

TYPICAL 12X2 LCD DISPLAYS

14250 .00 KHz
U 0 .00 KHz

Normal Display
10 Hz Frequency Step
Upper Sideband

14250 .00 KHz
L 0 .00 KHz

Normal Display
10 Hz Frequency Step
Lower Sideband

14250 .00 KHz
U 0 .00 KHz

Normal Display
500 Hz Frequency Step
Upper Sideband

14250 .00 KHz
UR 0 .00 KHz

Normal Display
10 Hz Frequency Step
Upper Sideband
RIT Enabled – No Offset

14251 .00 KHz
UR+1 .00 KHz

Normal Display
10 Hz Frequency Step
Upper Sideband
RIT Enabled – +1 KHz Offset

14250 .00 KHz
114242368 Hz

Calibrate Mode
10 Hz Frequency Step

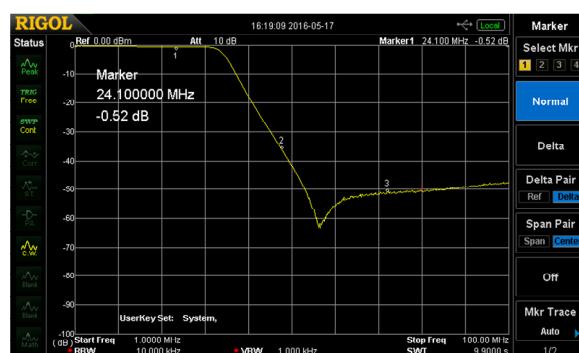
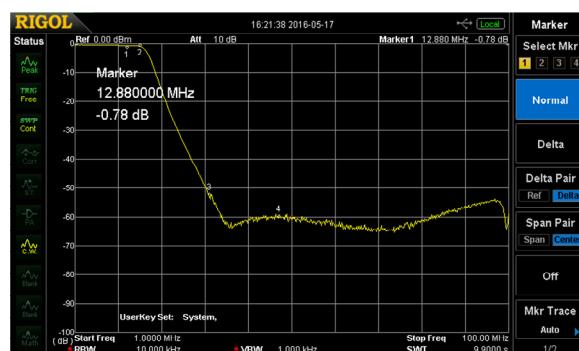
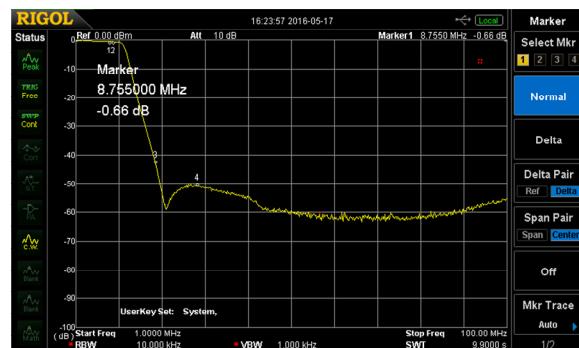
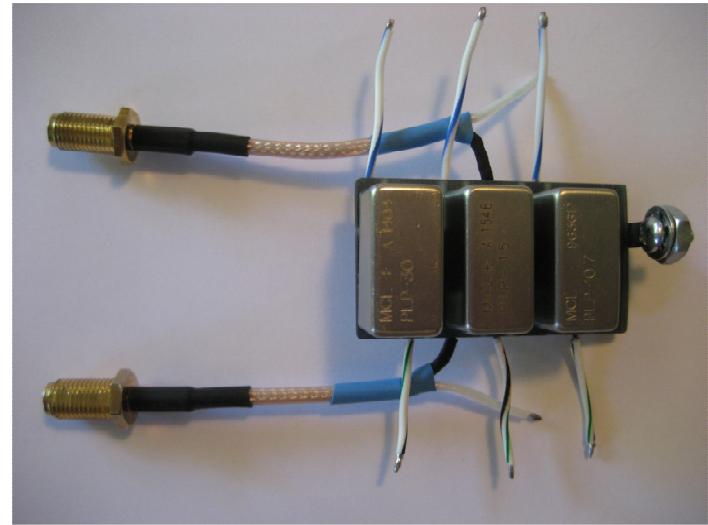
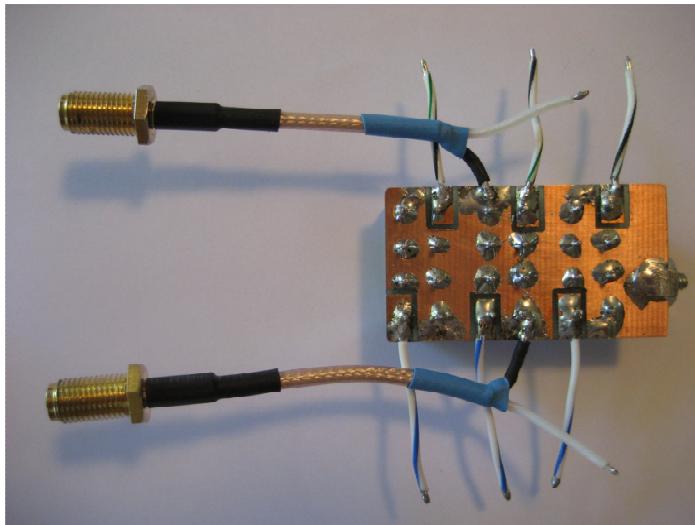
14250 .00 KHz
Stored

Calibrate Save

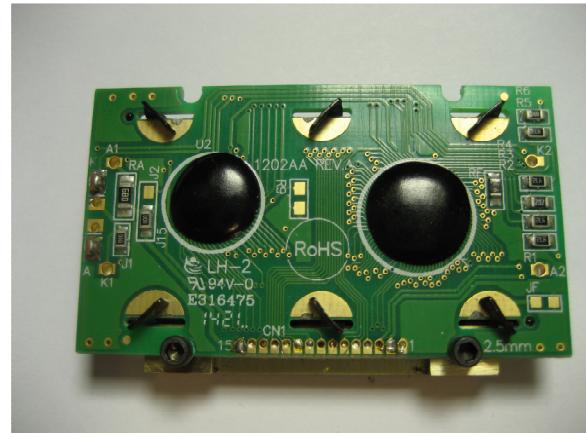
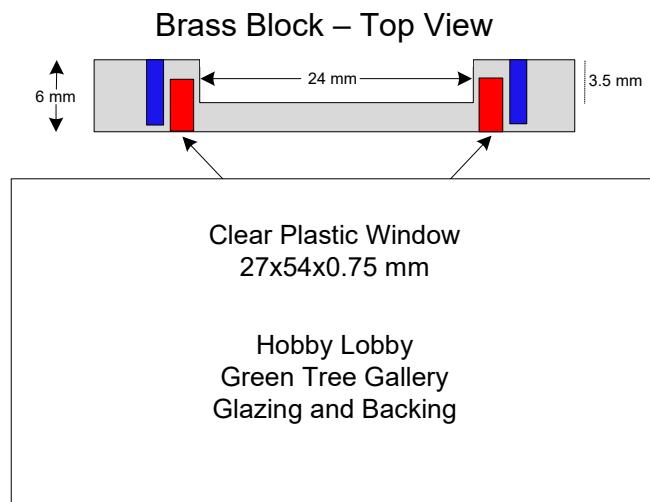
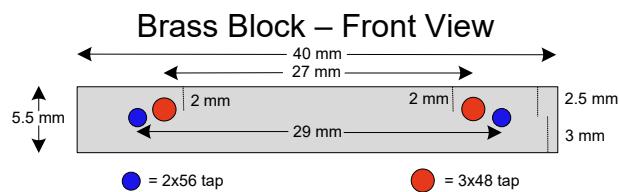
15000 .00 KHz
U 0 .00 KHz

VFO B – 20M Band
15 MHz WWV

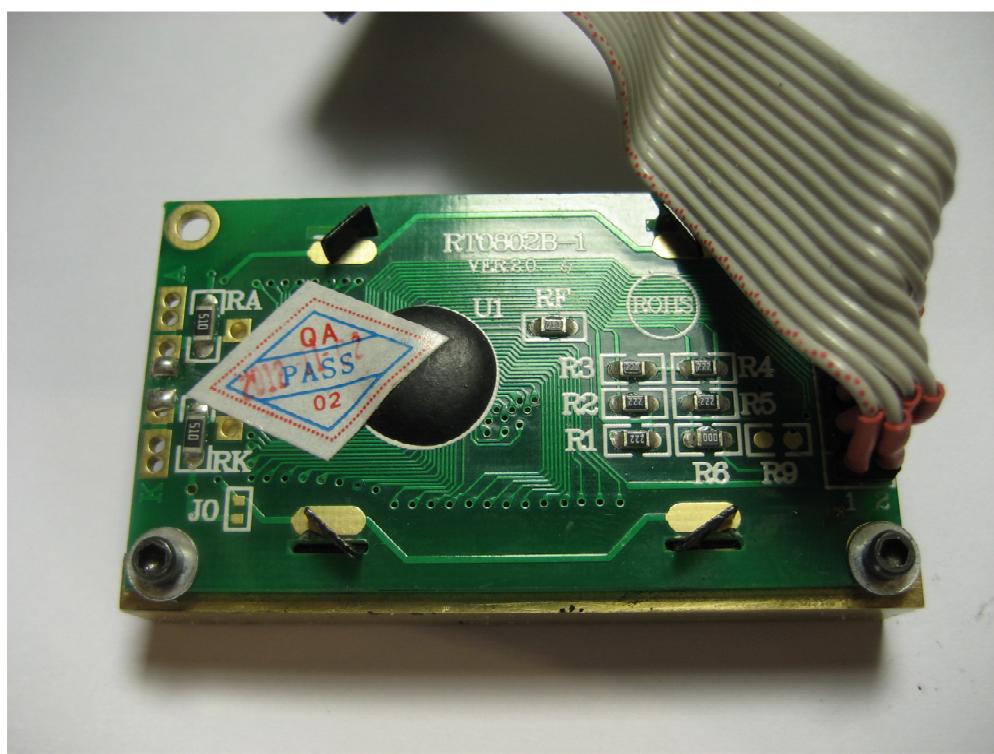
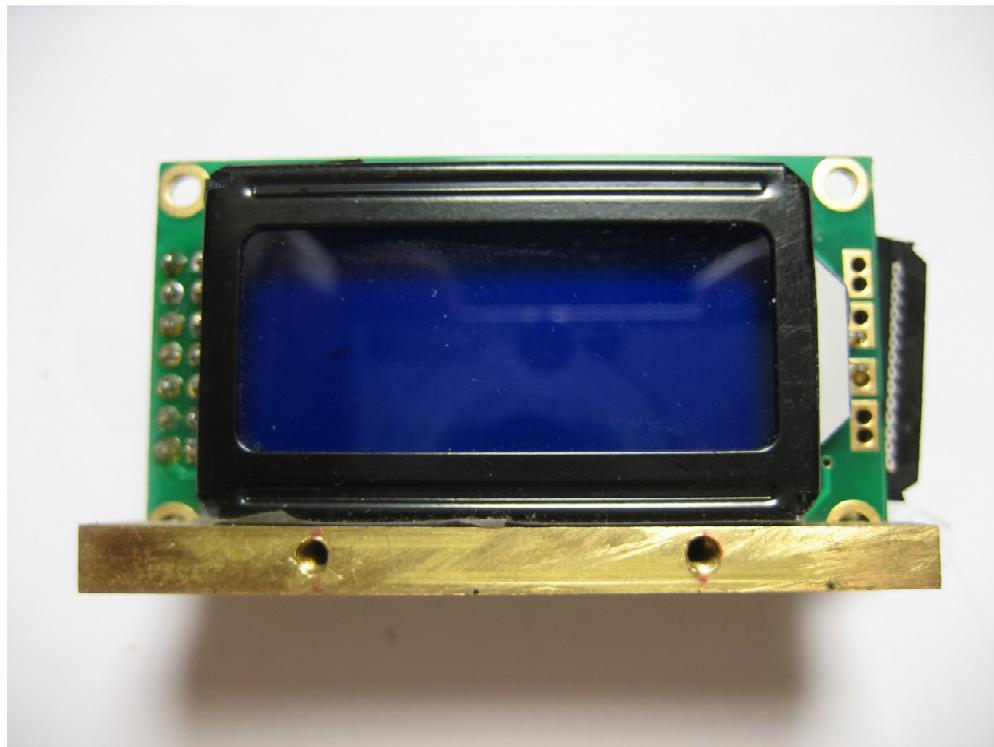
MCL Low Pass Filters PLP Series



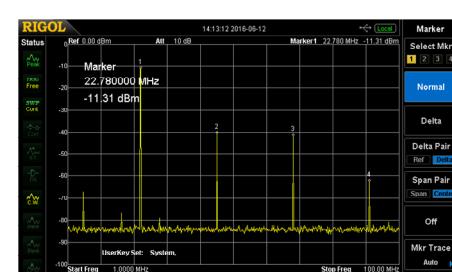
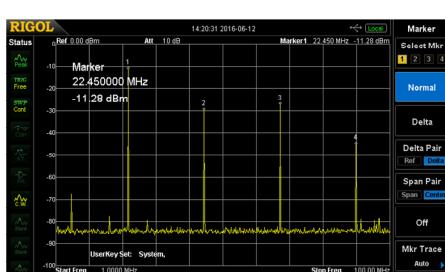
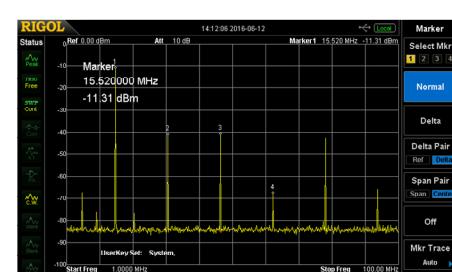
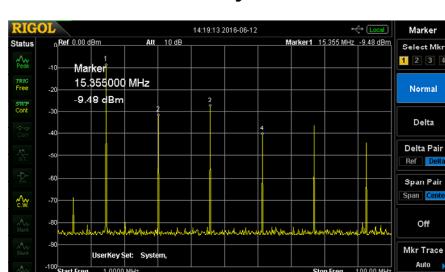
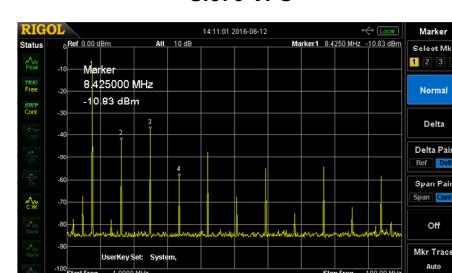
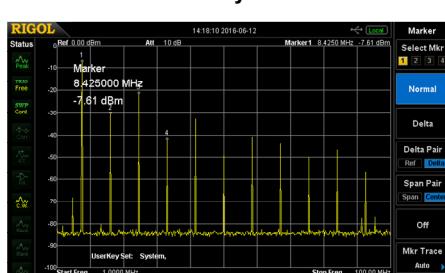
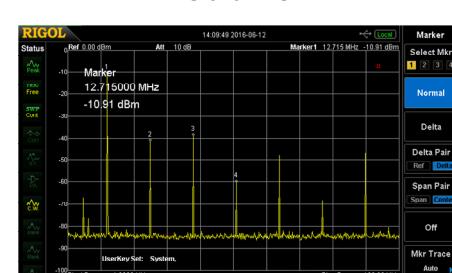
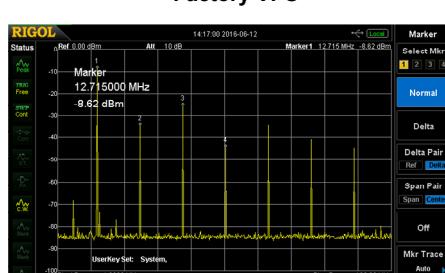
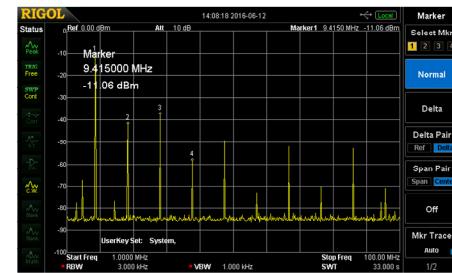
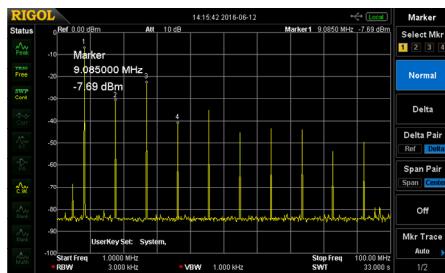
12x2 LCD Display Mounting Hardware



8x2 LCD Display Mounting Hardware



Harmonics By Band Factory VFO vs Si570



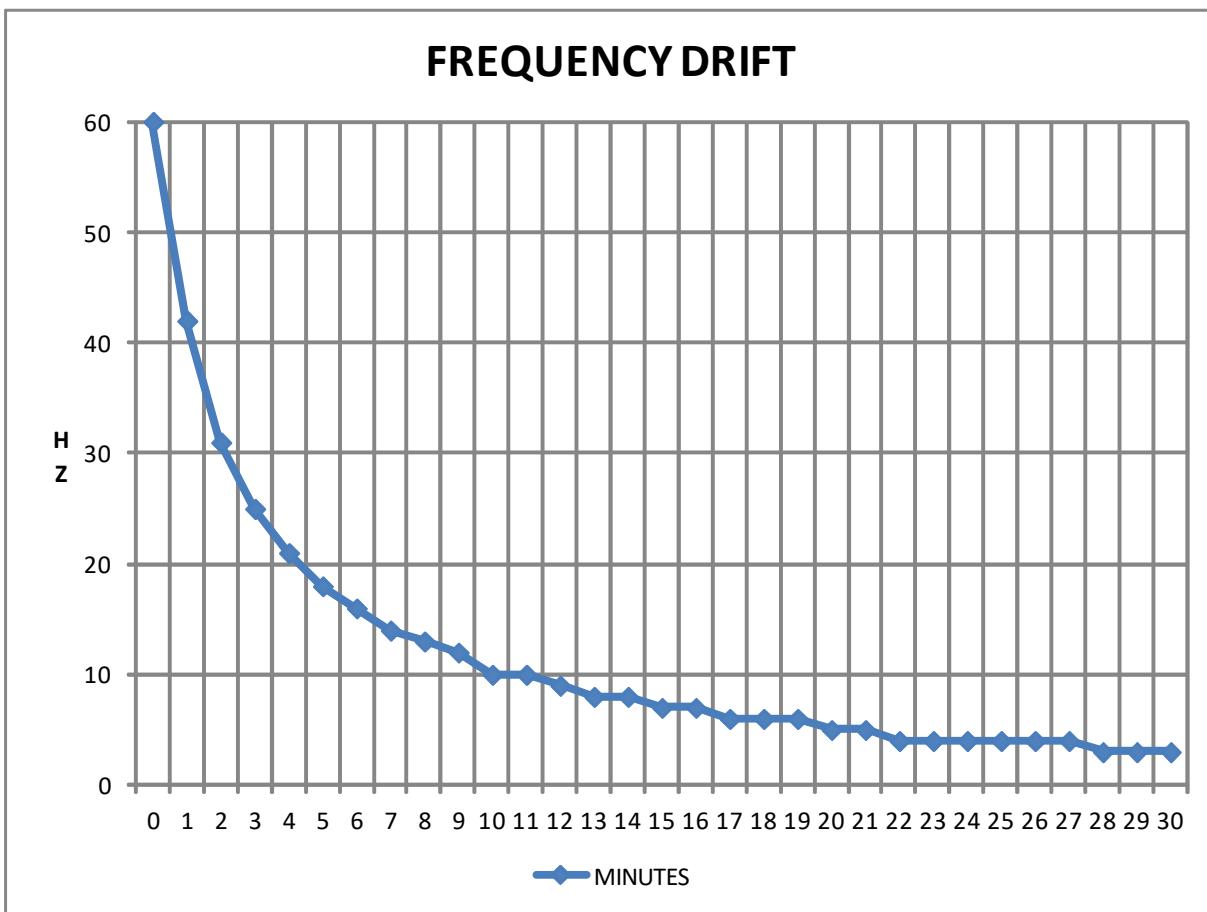
Si570 VFO Warmup Drift

Calibrate at 40M

80M	-1.5 HZ
40M	0.0 HZ
20M	+1.5 HZ
15M	-1.0 HZ
10M	+6.0 HZ

Calibrate at 10M

80M	-4.0 HZ
40M	-3.0 HZ
20M	-1.5 HZ
15M	-5.0 HZ
10M	+0.0 HZ



NOTES:

Unit calibrated on 40M band @ 7200 KHz (12845 KHz LO)

Unit powered on and frequency offset measured from 12845 KHz

Frequency offset measured in 1 minute intervals

Frequency offset after 12 hours 0 HZ

Ambient room temperature was 78 degrees F