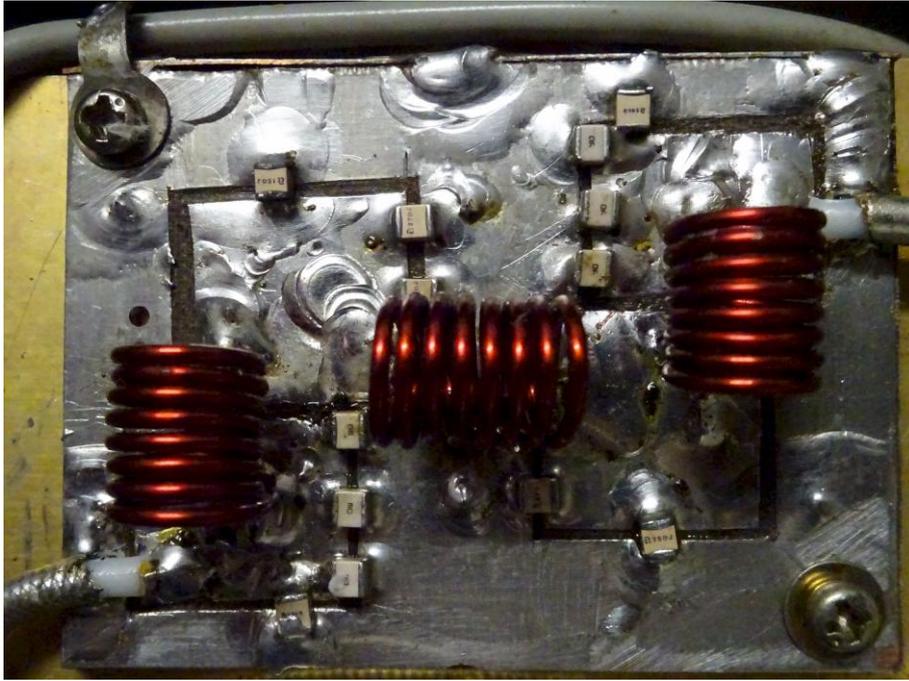
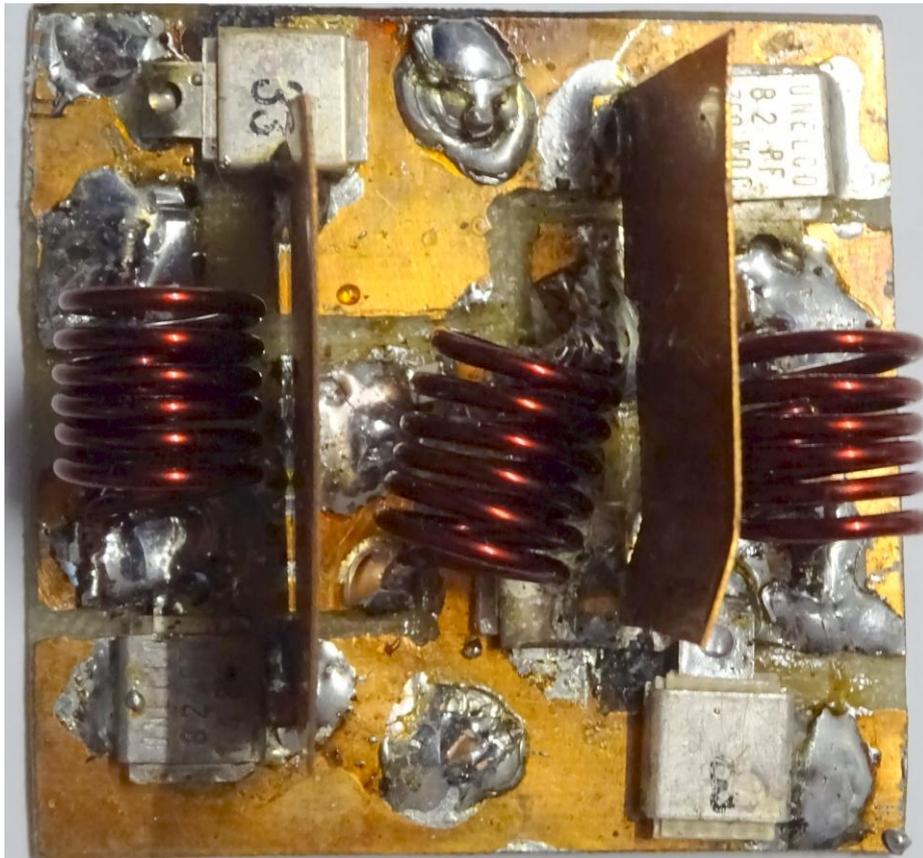


## 7 pole Chebyshev 50 MHz Low Pass Filter



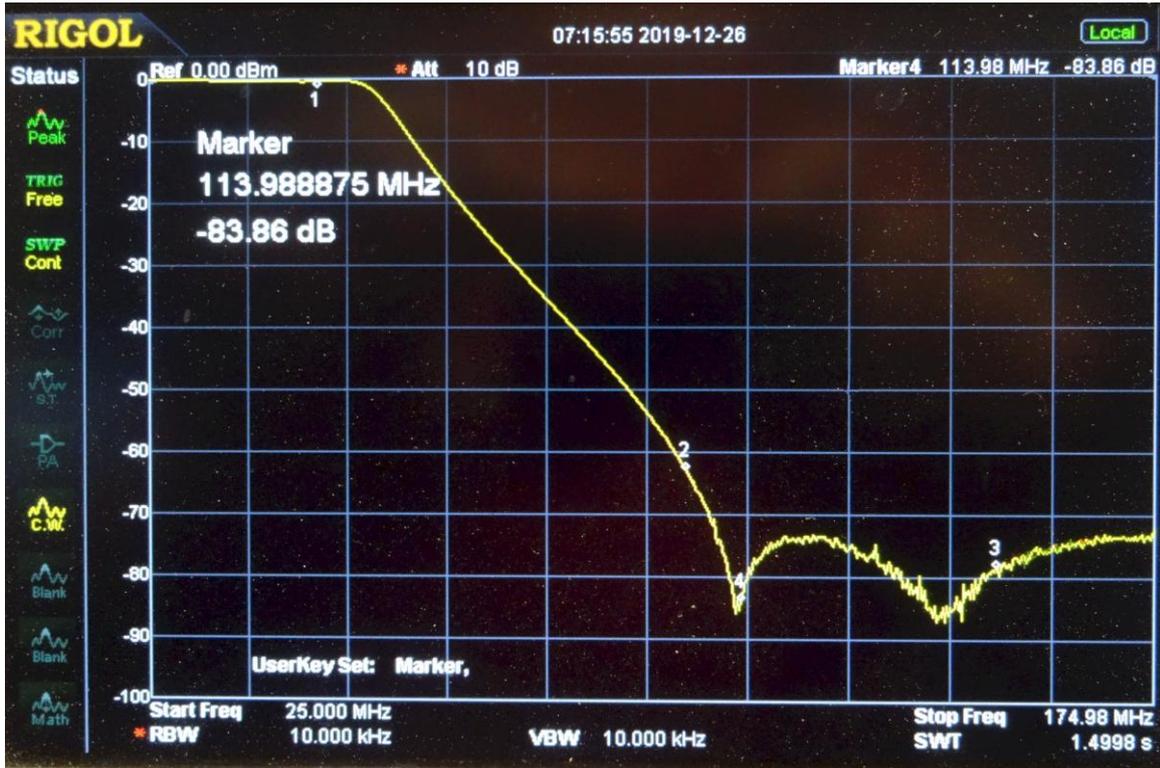
Construction ATC capacitors – PCB is single sided 5mm above chassis



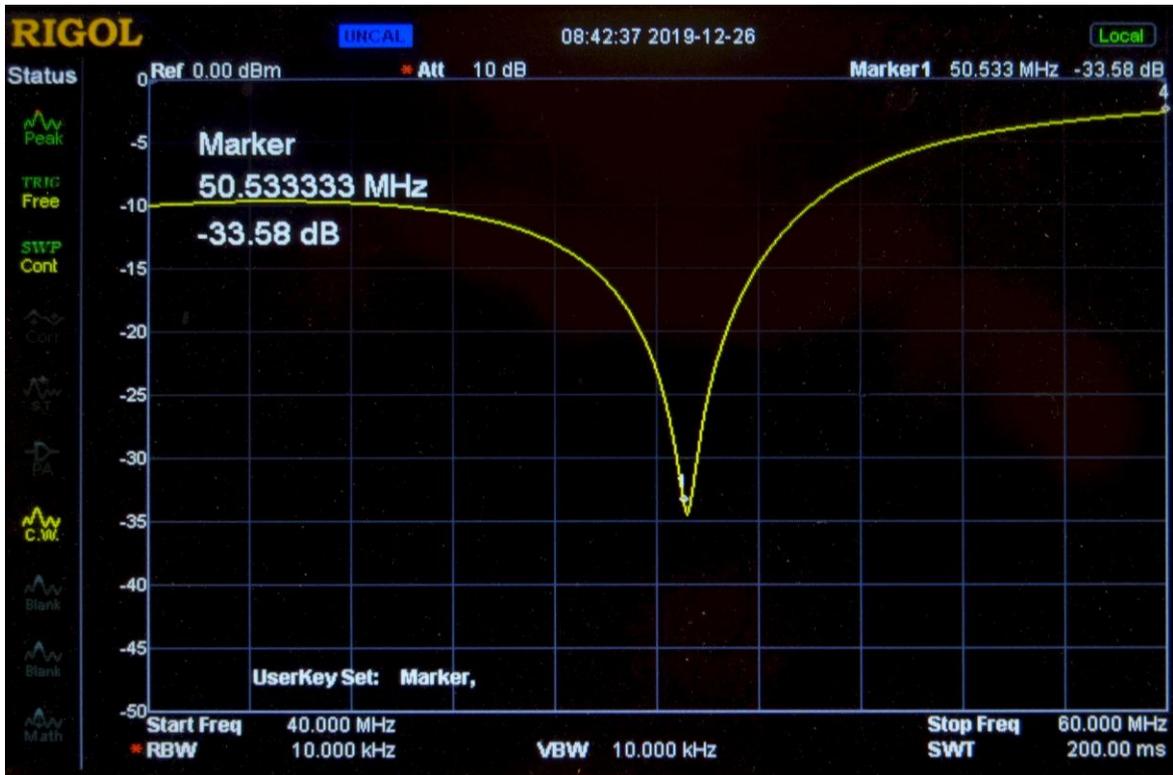
Construction Compressed Mica capacitors – PCB is single sided 5mm above chassis

**Recommendation is Distributed ATC.** Mica types failures at high power levels. Arc over.

# 7 pole Chebyshev 50 MHz Low Pass Filter

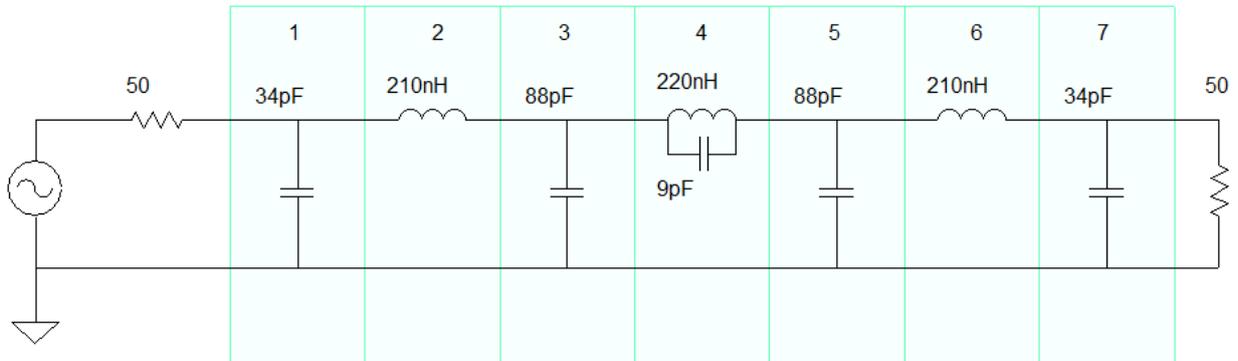


Transmission Loss: 0.5dB @ 50.5 MHz; 63dB @100MHz; 84 dB @ 114MHz

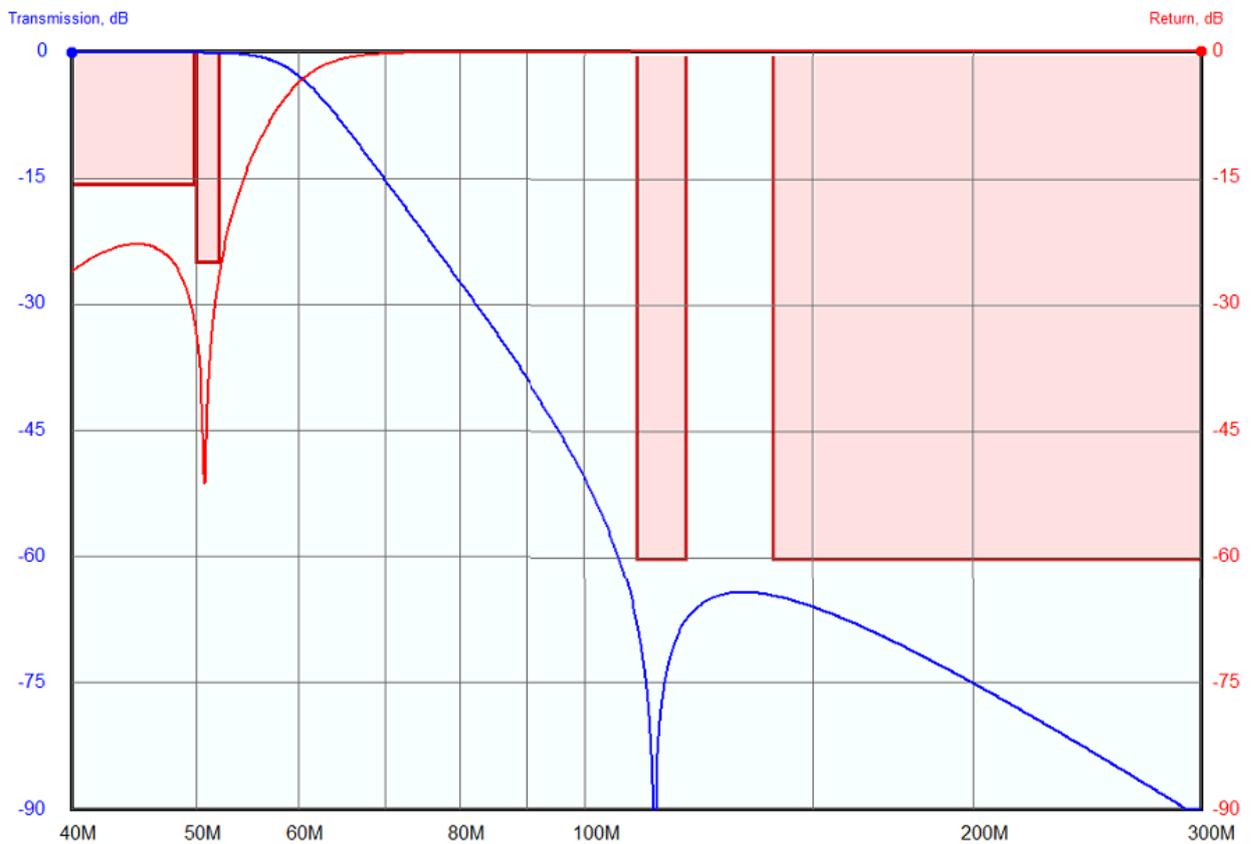


Reflection Coefficient (VSWR @ 50 - 52 MHz < 1.2:1)

## 7 pole Chebyshev 50 MHz Low Pass Filter



7 pole Chebyshev 50 MHz Low Pass Filter - Schematic



7 pole Chebyshev 50 MHz Low Pass Filter - Transmission and Return Loss