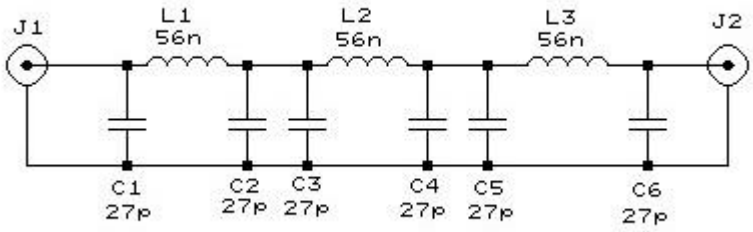
LOWPASS FILTER 150 MHz

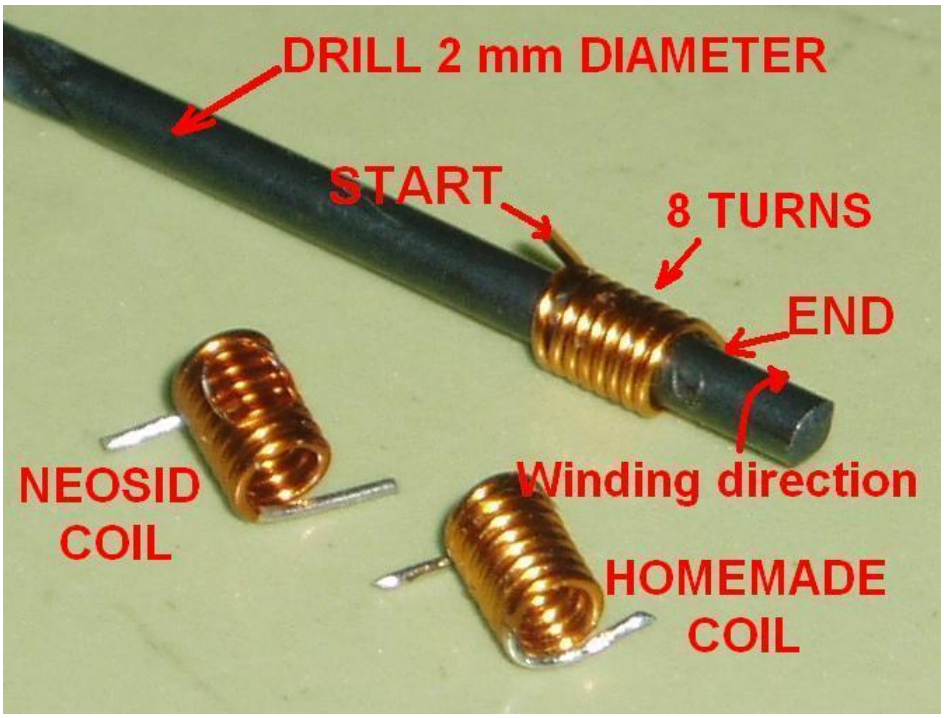


P1 SMA male for PCB Amphenol 132365-10 (Digikey ACX1915-ND)

P2 SMA female for PCB Amphenol 132357-11 (Digikey ACX1911-ND)

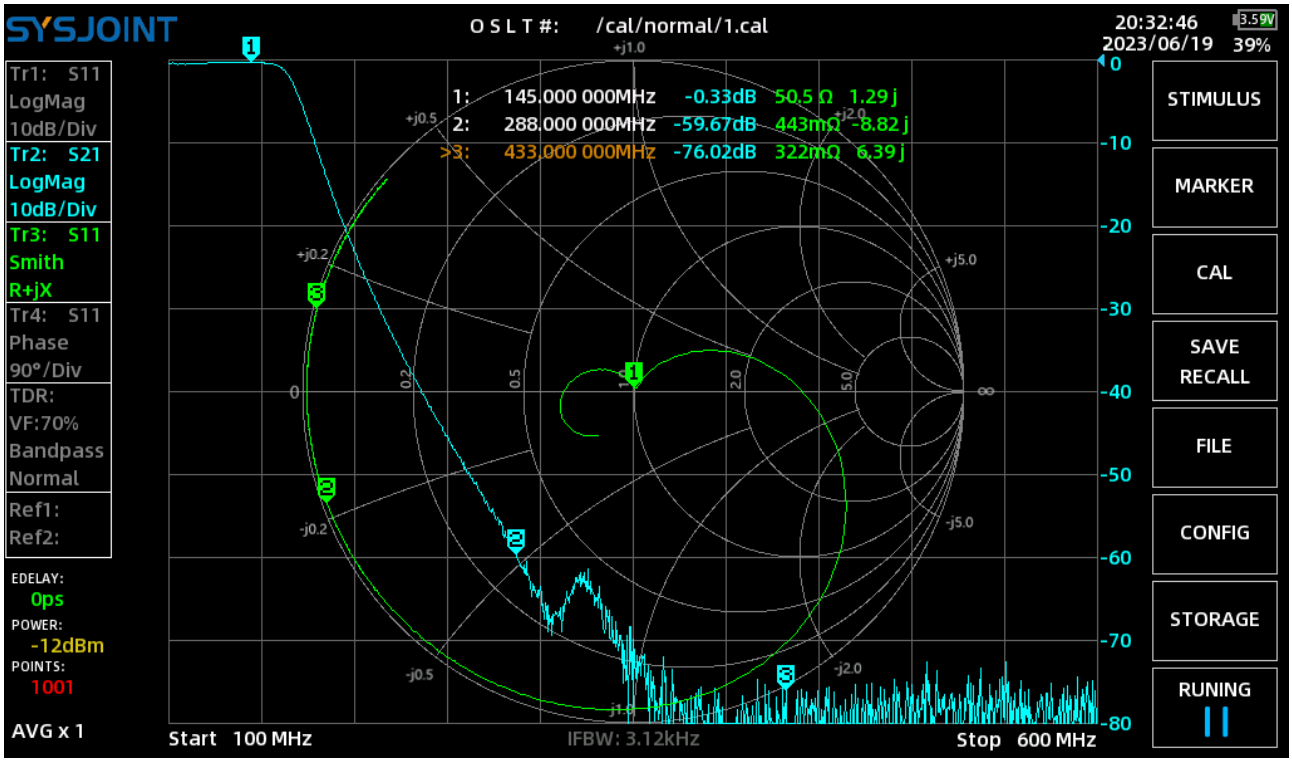
C1-C6 27pF COG/NPO 250V Size 805 (Farnell 1885439)

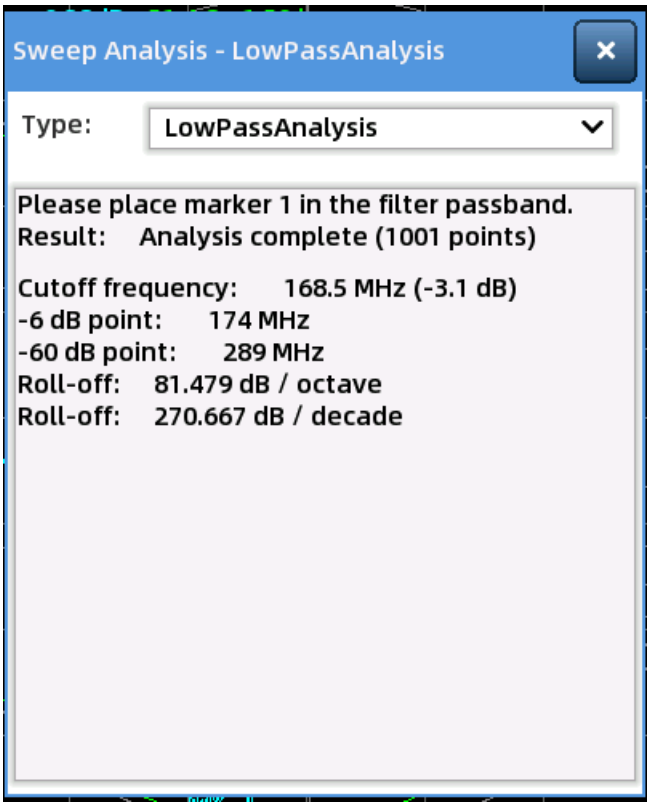
L1-L3 56nH Neosid SMD coil 00610235 or homemade (see below)

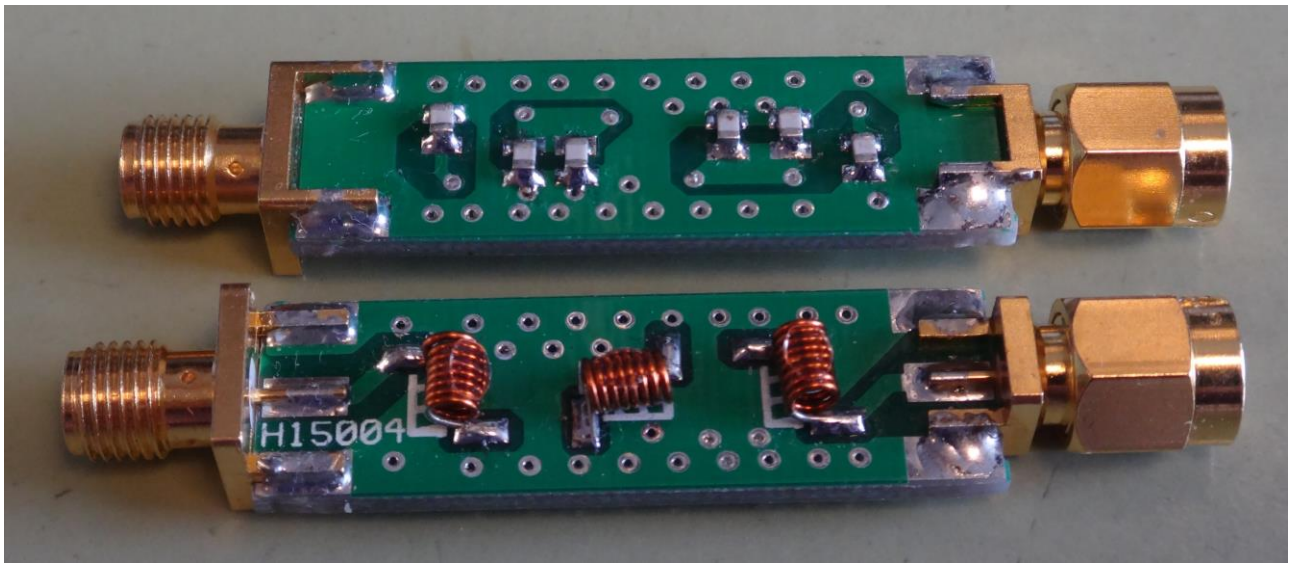


Wire size 0.4 mm CuL

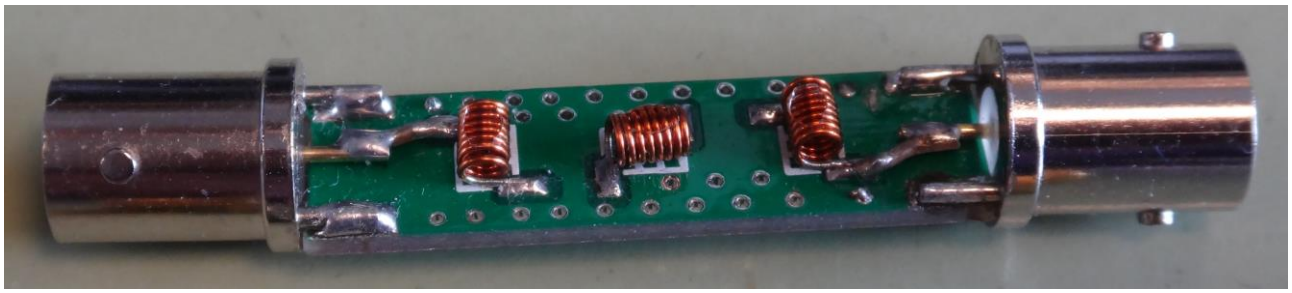
MEASUREMENTS (made with SV4401A)







Lowpass filter with SMA connectors (Bottom and top view)



Lowpass filter with BNC connectors for PCB Tyco 5-1634503-1 (Farnell 1020980)

If C1-C6 are replaced with 33pF COG/NPO 200V Size 805 (Farnell 2332725)

attenuation at 288 MHz is increased from 59 dB to 68 dB but insertion loss at

145 MHz will increase from 0.4 dB to 0.8 dB.

Updated 19 jun 2023 OZ4HZ , Hans