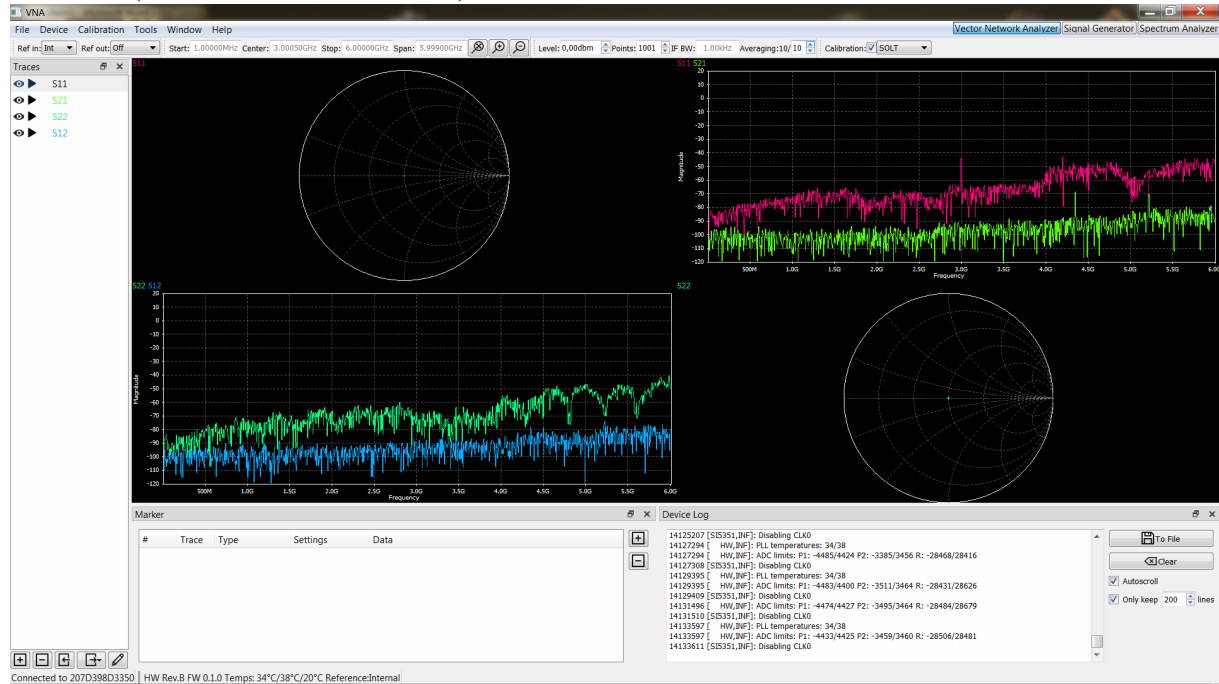


Few test measurements of VNA2 by Jan Käberich

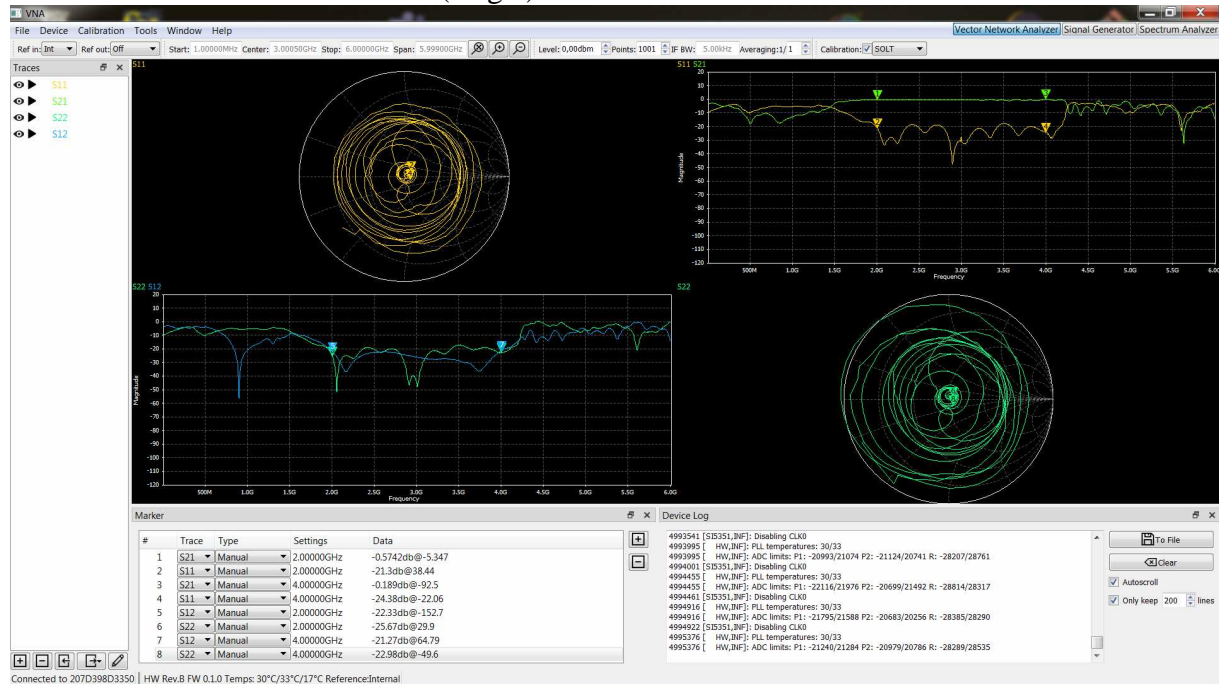
SP9BSL, Dec 2020.

First prototype from Hugen, with few mods (additional 4 screws as proposed by Jan and EMI gasket around SMA connectors). Analyzer placed on 220x370mm, 2mm thick aluminium sheet (as a kind of heatsink).

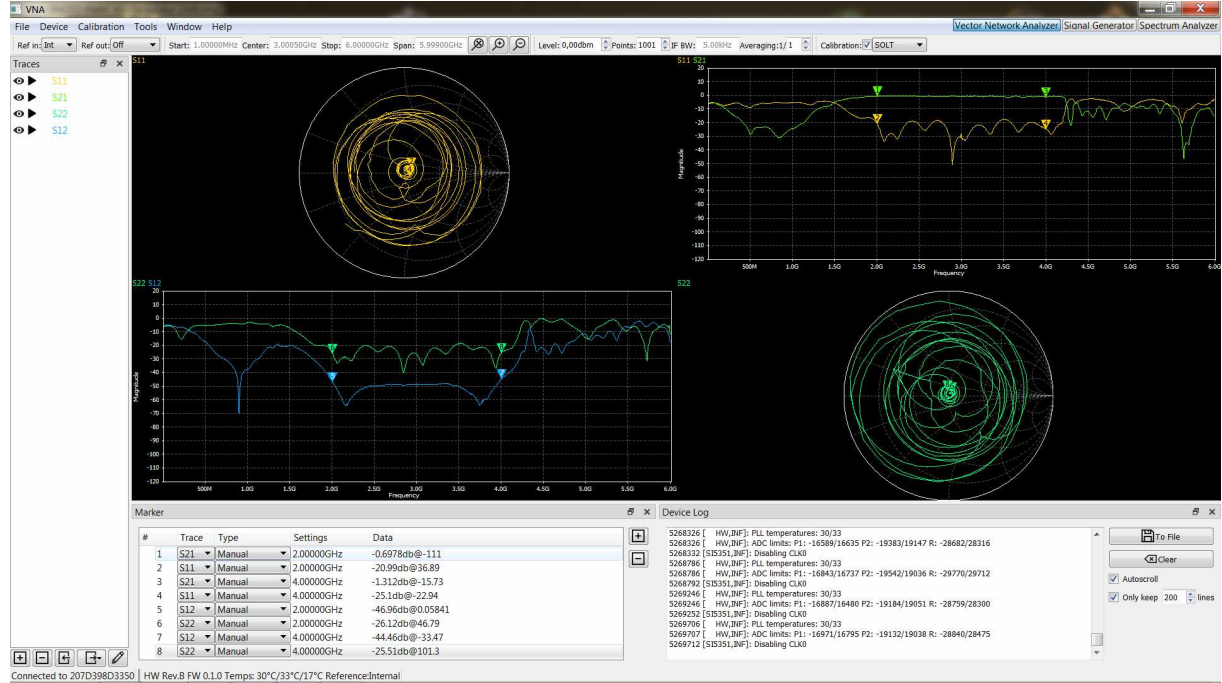
Isolation (loads on Port1 and Port2):



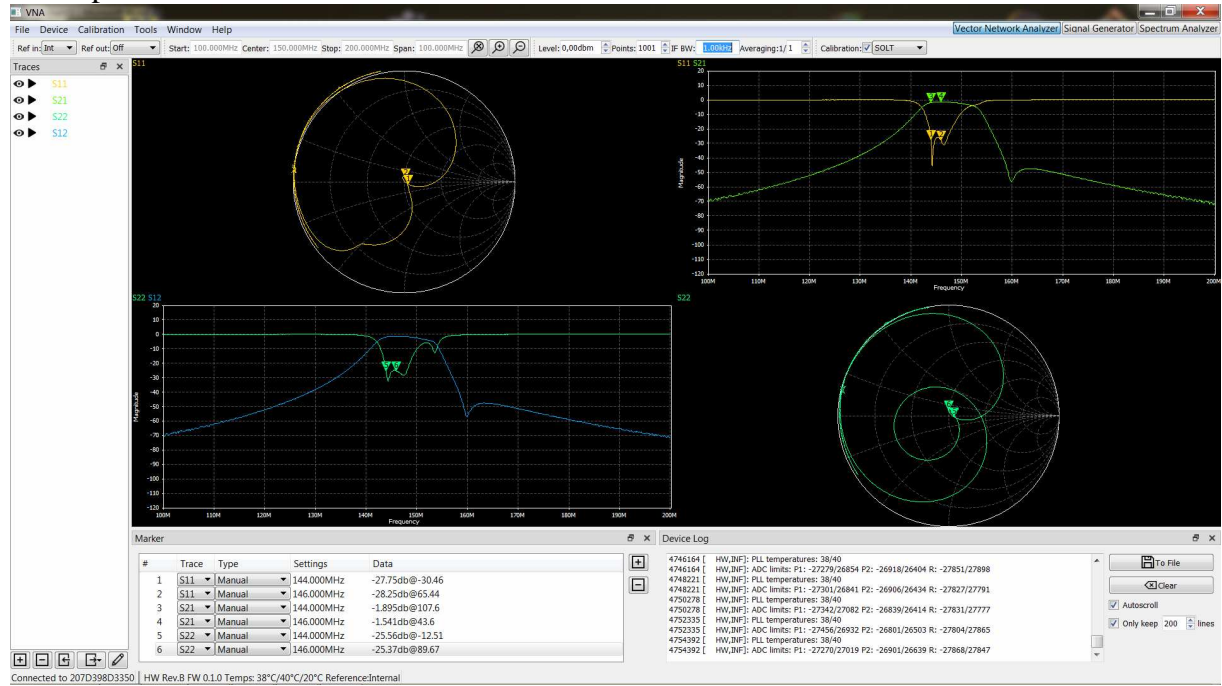
Innowave 2-4GHz 20dB Isolator (single):



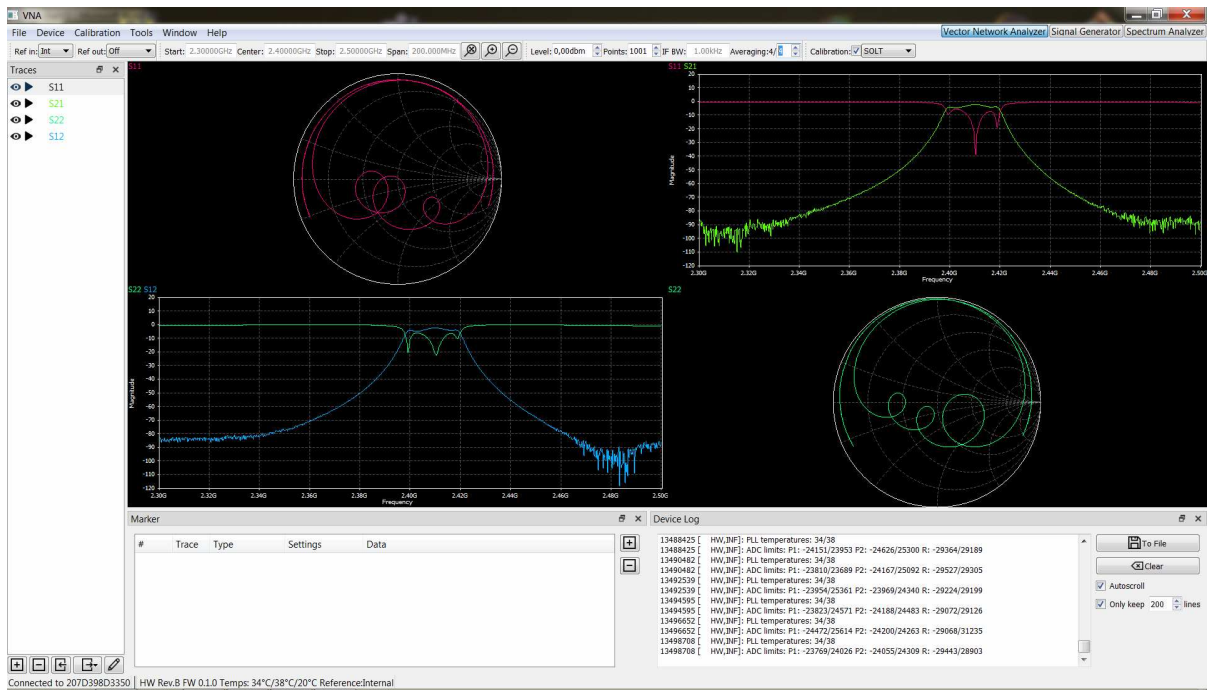
Two Innwave 20dB isolators in series:



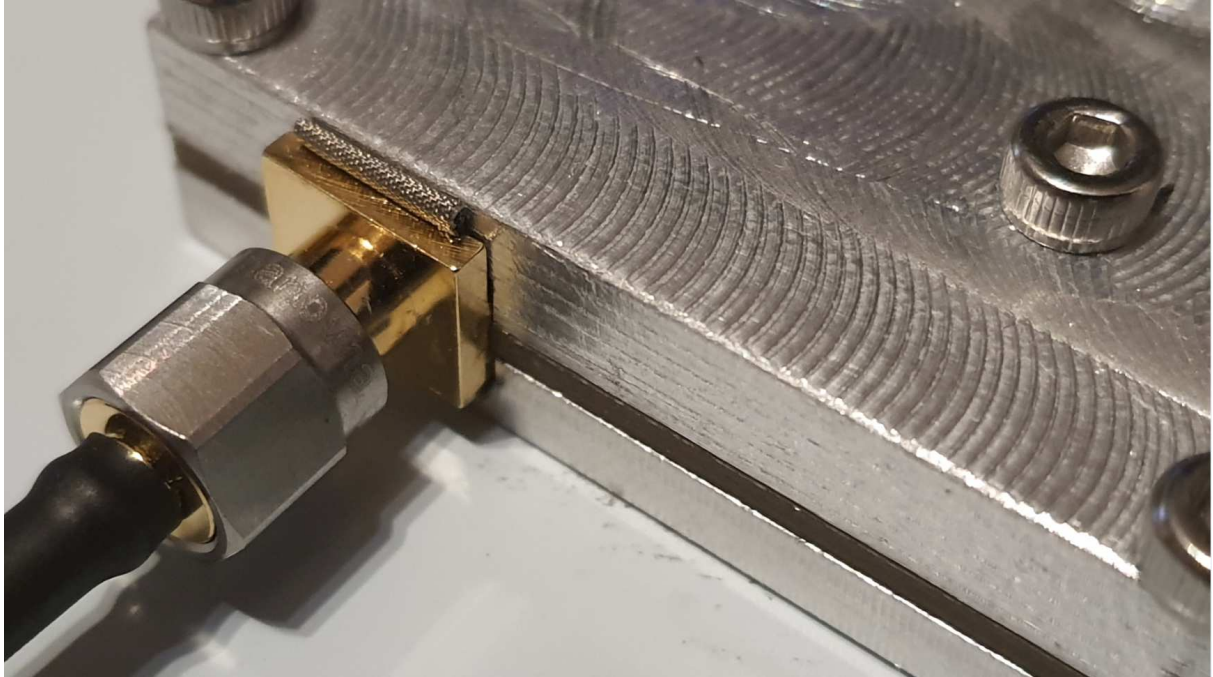
2m elliptical BPF:



2.4GHz cavity band pass filter, not the very best one :) :



Mod around Port SMA, self adhesive gasket (6mm Wurth 302 030 1), two 6mm pieces stuck to upper and lower case, same for both Port1 and Port2:



Above mod gives over 10dB improvement in S21 and S12 for frequencies above 3GHz.