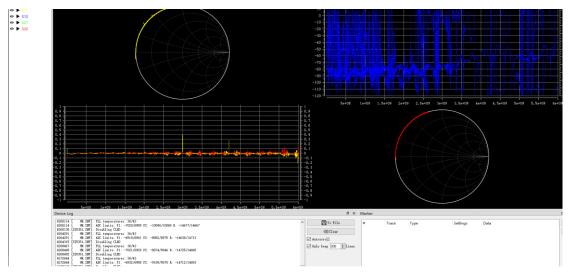
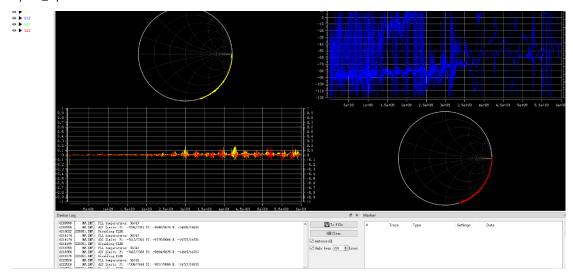


After the aluminum shell was installed, I measured the home-made calibrator again, and measured the 1NF capacitance.

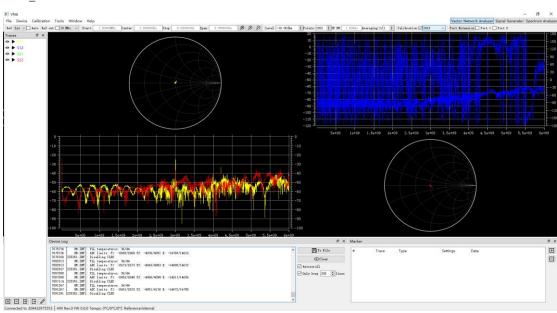
short_short



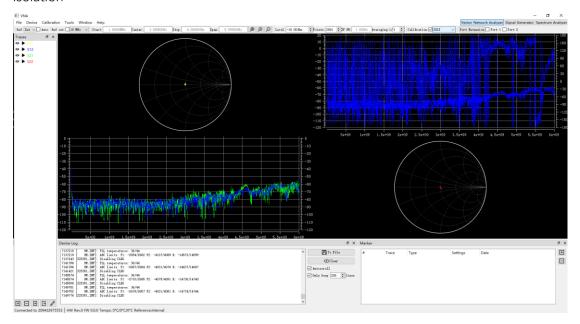
open_open



load_load

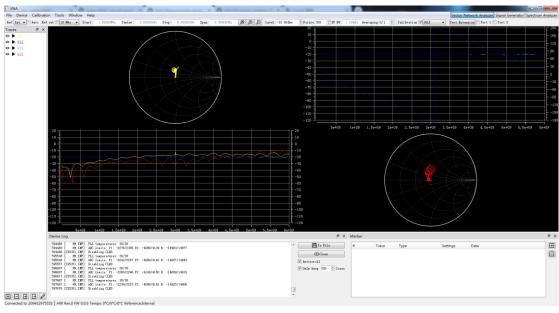


isolation



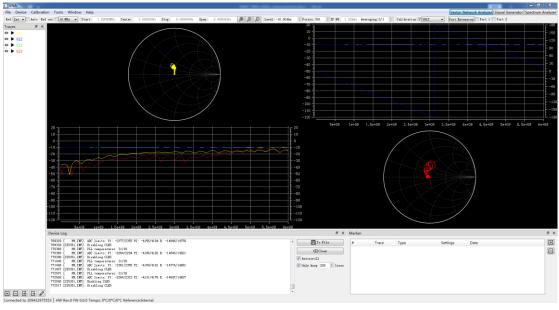
20db attenuator



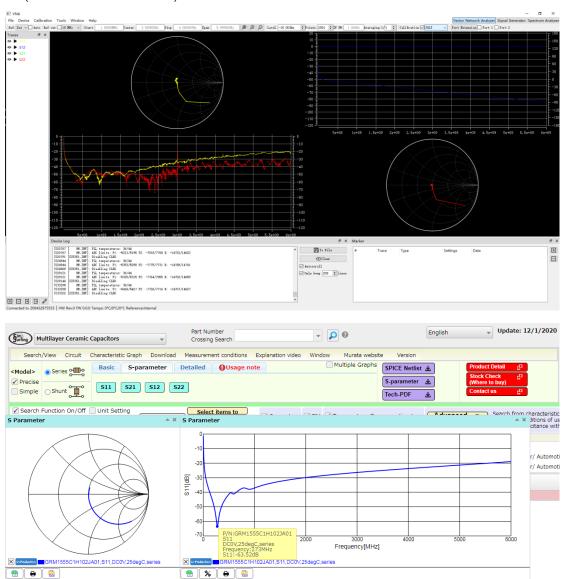


10db attenuator

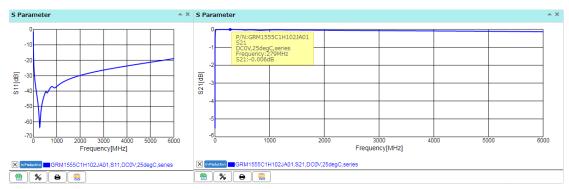




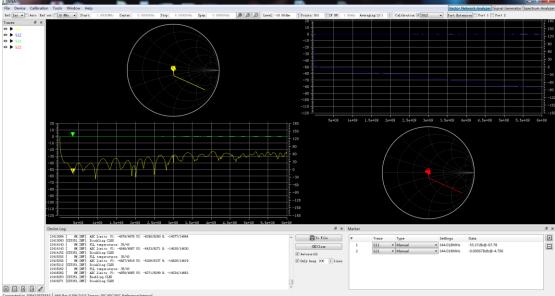
1nf(GRM1555C1H102JA01D)



The S21 at 273mhz is about 0.006db, and the normalized ESR is 0.069 Ω

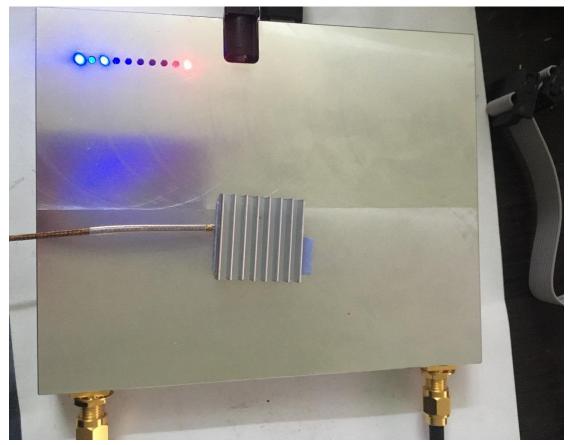






The values I tested is 0.00667db, and the normalized ESR is 0.0768 Ω , the error is 11.3%.

After the measurement, I used air thermocouple to make a rough temperature measurement on the metal surface.



The measured temperature was about 36 degrees, but it was still very high to feel the temperature by hand.

