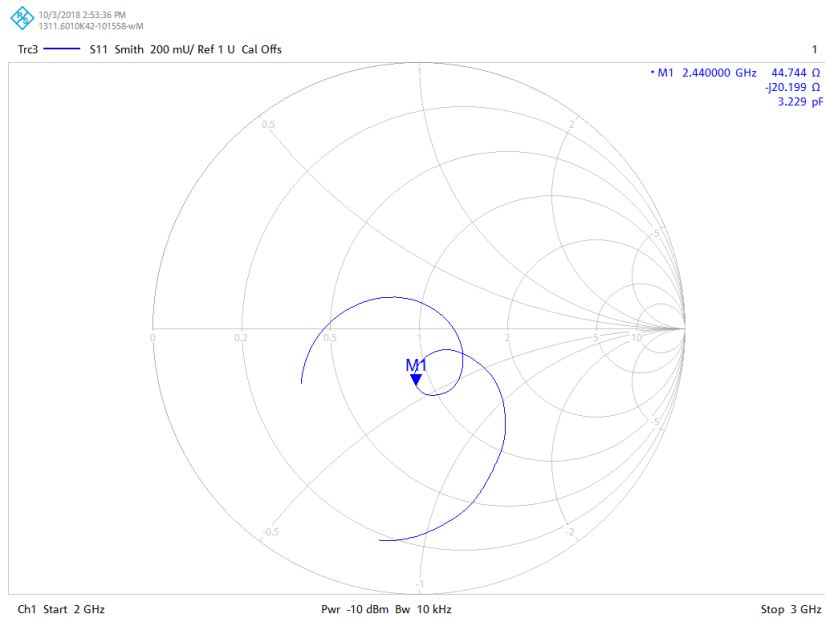


Device: nRF52840 QIAAC0
Date: 2018/10/03
Engineer: Ketil Aas-Johansen

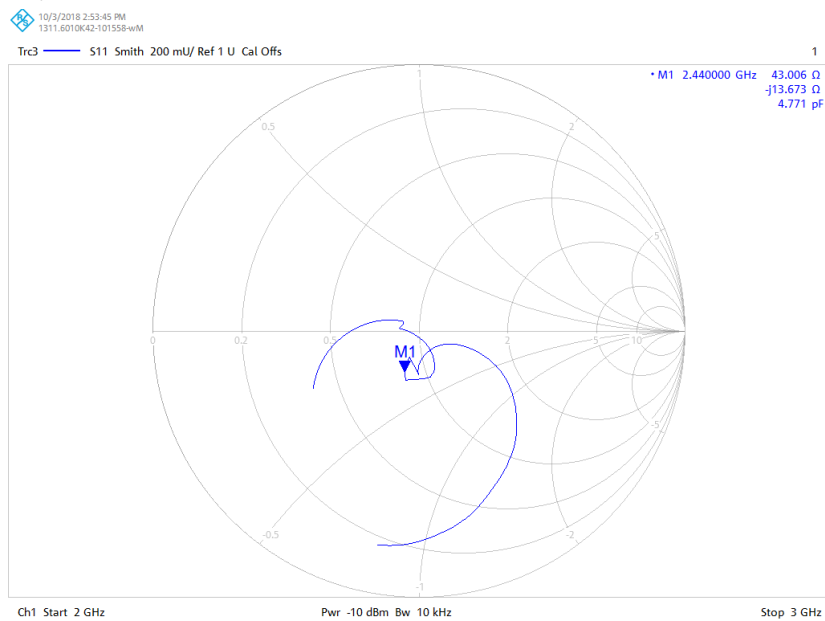
nRF52840 QIAAC0 matching network

Impedance seen into the matching network with the chip in place

Power off



RX, 2440 MHz:

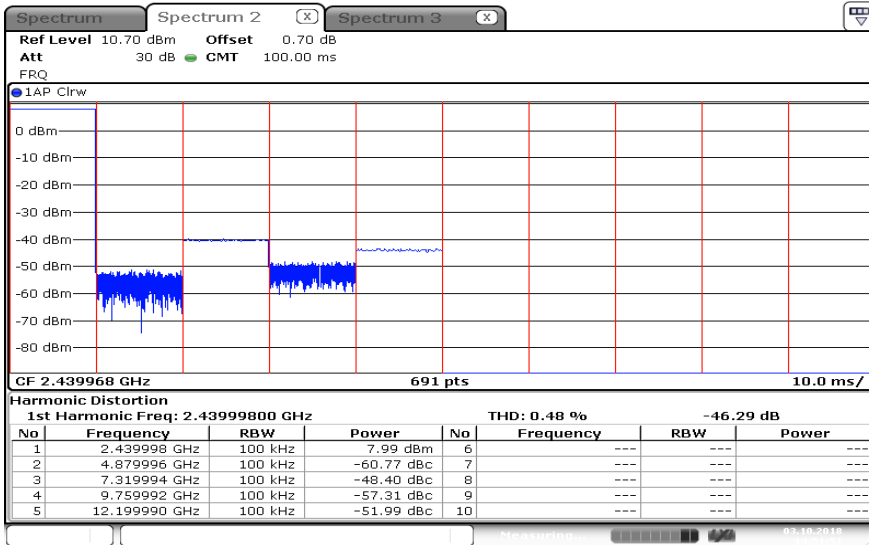
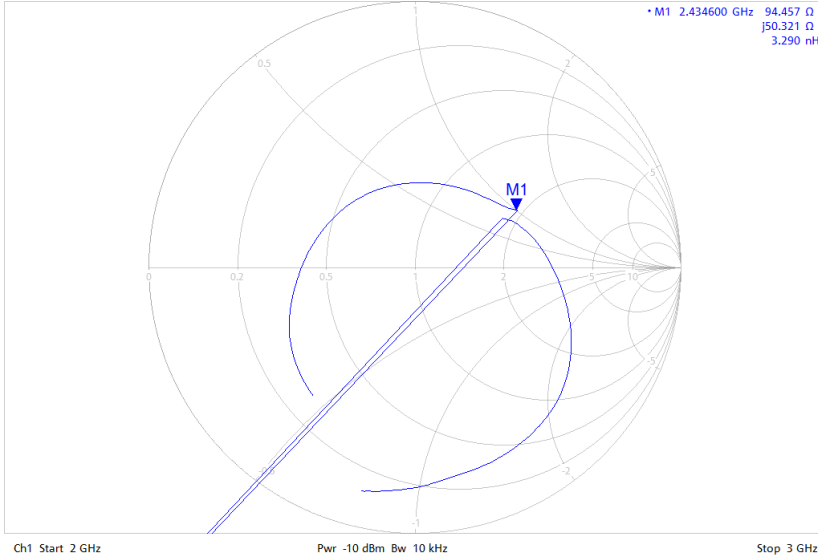


TX, 8 dBm, 2440 MHz

10/3/2018 3:08:09 PM
1311.6010K42-101558-wM

Trc1 — S11 Smith 200 mU/ Ref 1 U Cal Offs

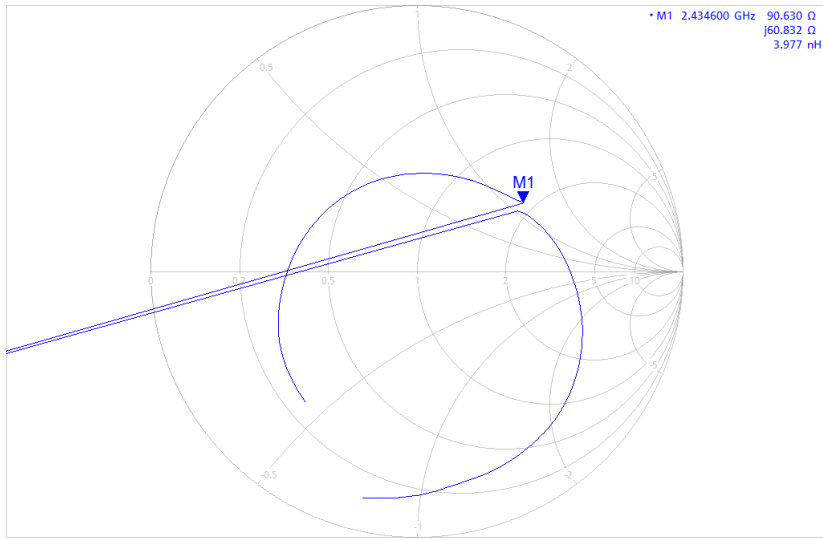
1



TX, 4 dBm, 2440 MHz

10/3/2018 3:08:41 PM
1311.6010K42-101558-wM

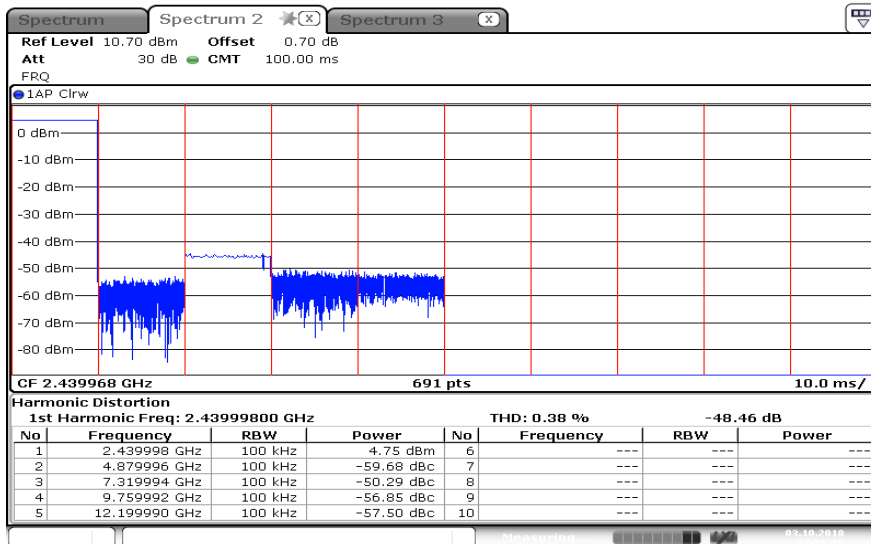
Trc1 — S11 Smith 200 mU/ Ref 1 U Cal Offs



Ch1 Start 2 GHz

Pwr -10 dBm Bw 10 kHz

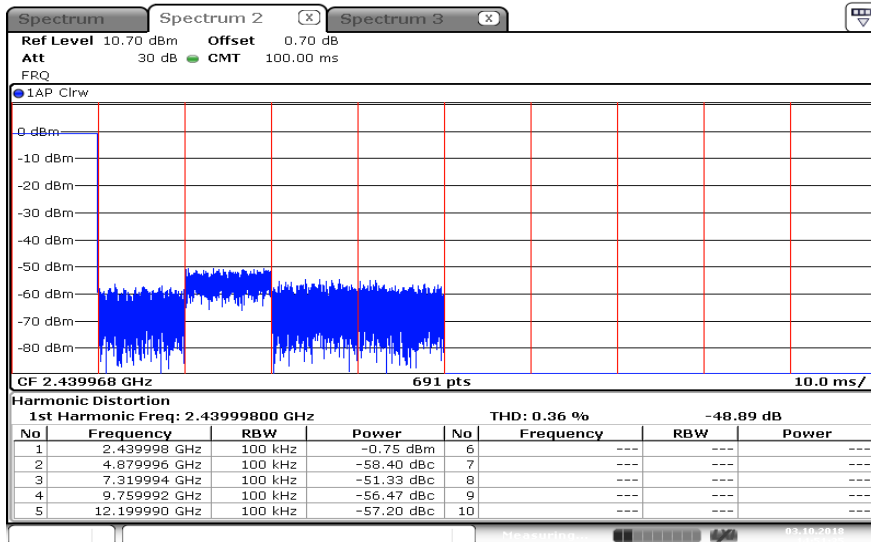
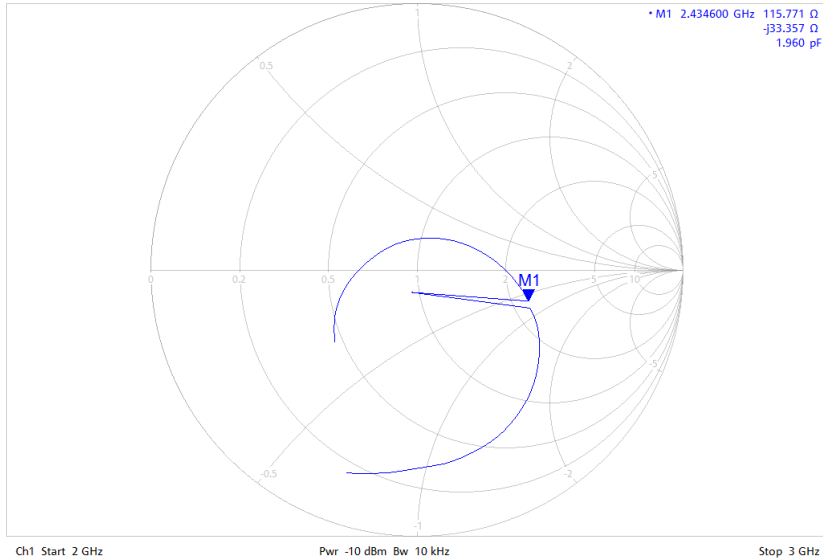
Stop 3 GHz



TX, 0 dBm, 2440 MHz

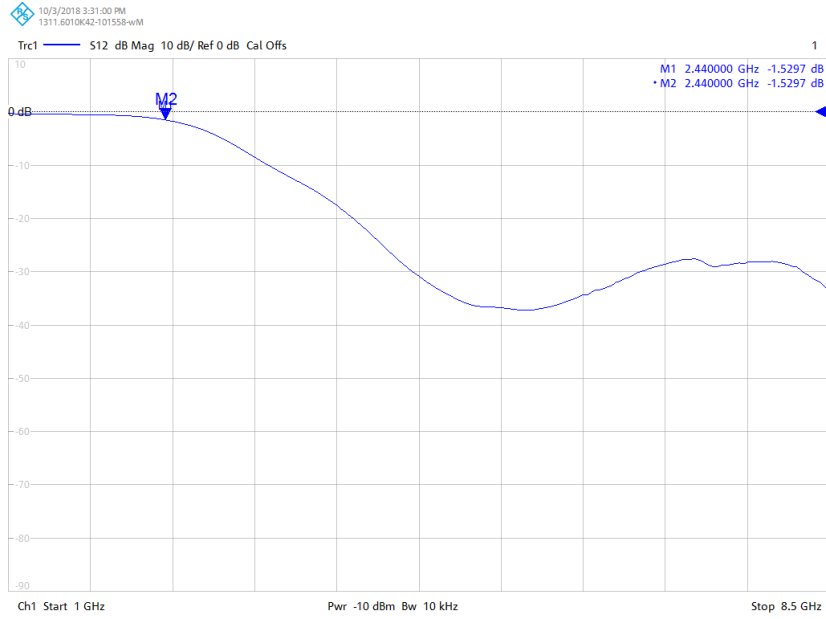
10/3/2018 3:07:25 PM
1311.6010K42-101558-wM

Trc1 — S11 Smith 200 mU/ Ref 1 U Cal Offs

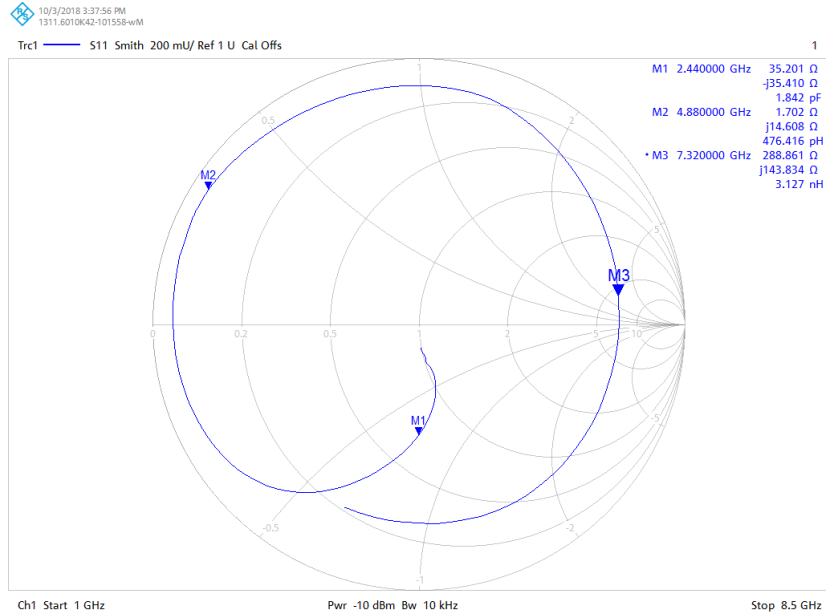


Matching network 2 port measurement. Port 1 = chip side, port 2 = antenna side

S21



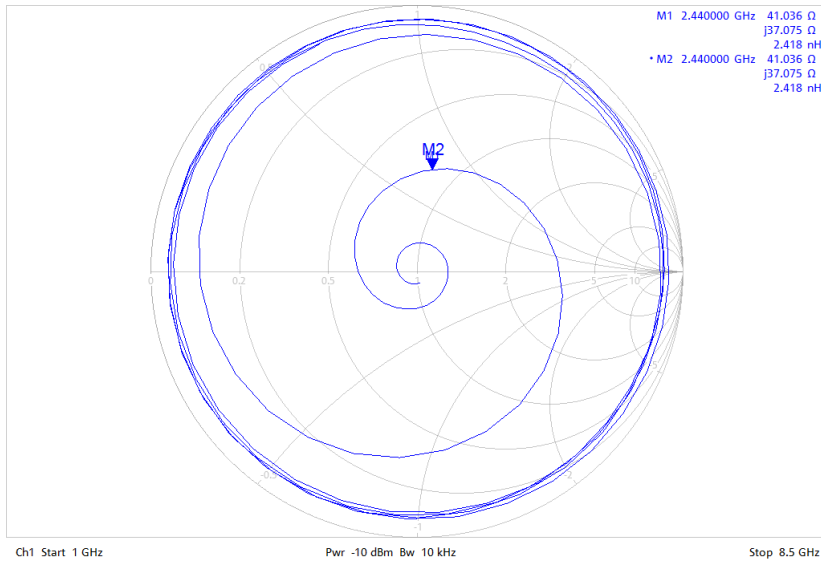
S11



S22

10/3/2018 3:37:30 PM
1311.6010K42-101558-wM

Trc1 — S22 Smith 200 mU/ Ref 1 U Cal Offs



Instruments:

Rohde&Schwarz

FSV13

Cal date 2018-01

Spectrum analyzer

Rohde&Schwarz

ZNB8

Cal date 2018-01

Vector Network analyzer