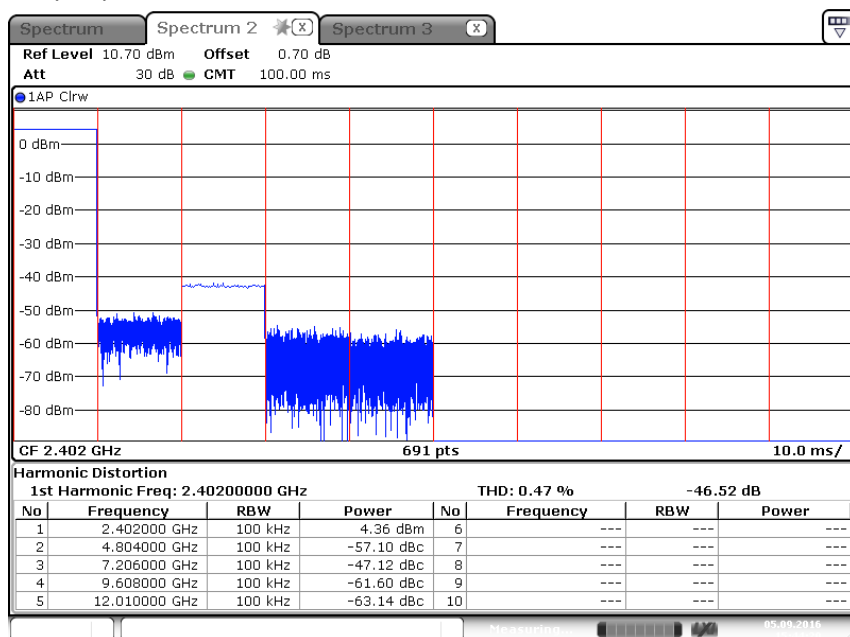


Customer: **Ruuvi Innovations Ltd.**
Case ID: 31132
Date: 2016/09/16
Engineer: Andreas Bognøy

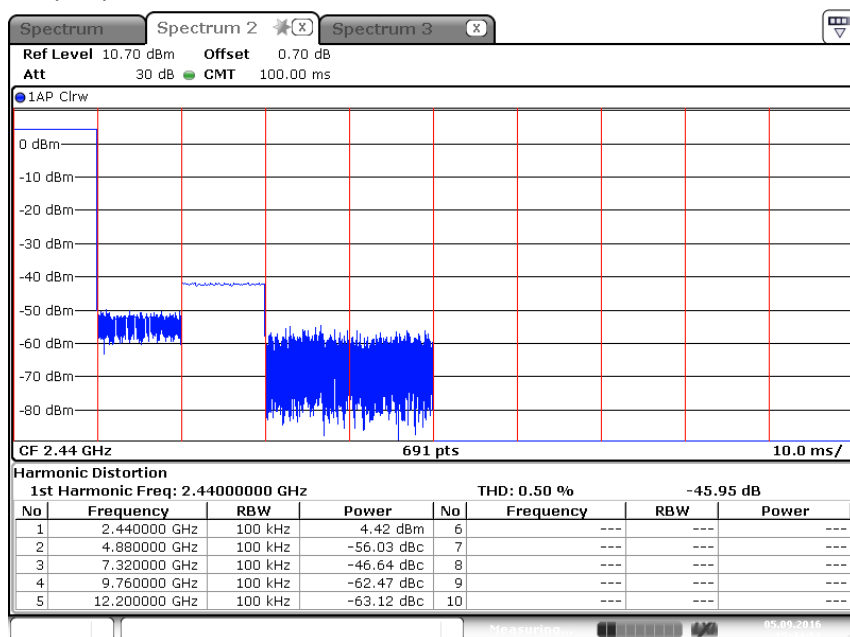
Radio measurements

Output power and harmonics, 4dBm, 2402MHz



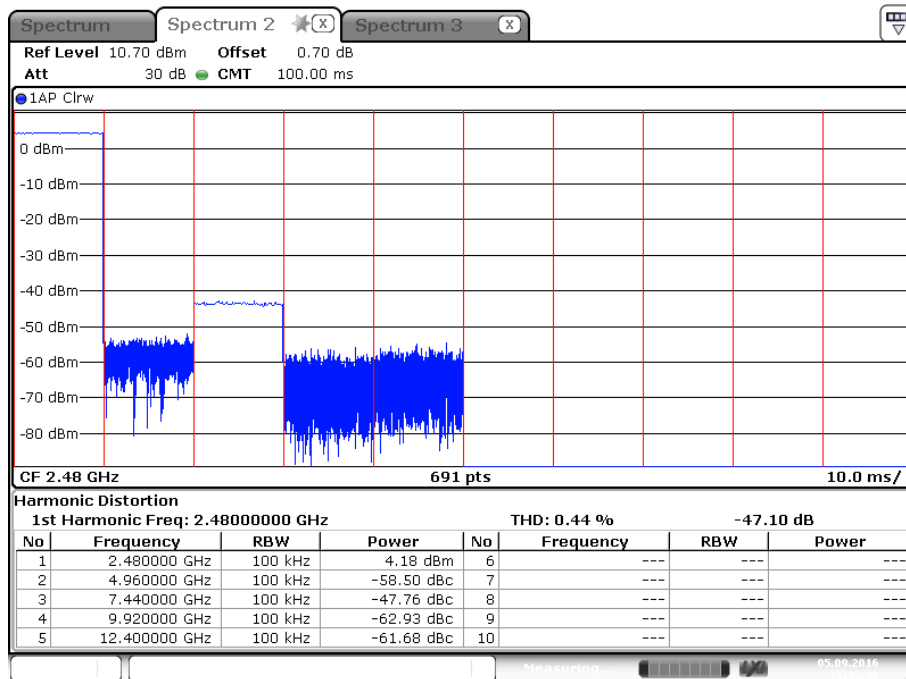
Date: 5.SEP.2016 15:44:20

Output power and harmonics, 4dBm, 2440MHz



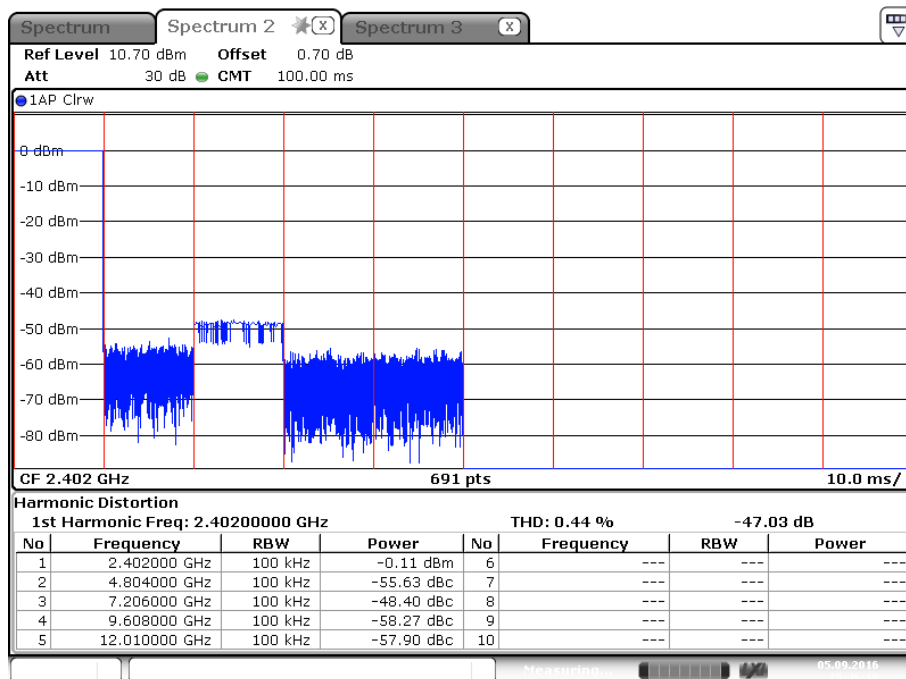
Date: 5.SEP.2016 15:44:53

Output power and harmonics, 4dBm, 2480MHz



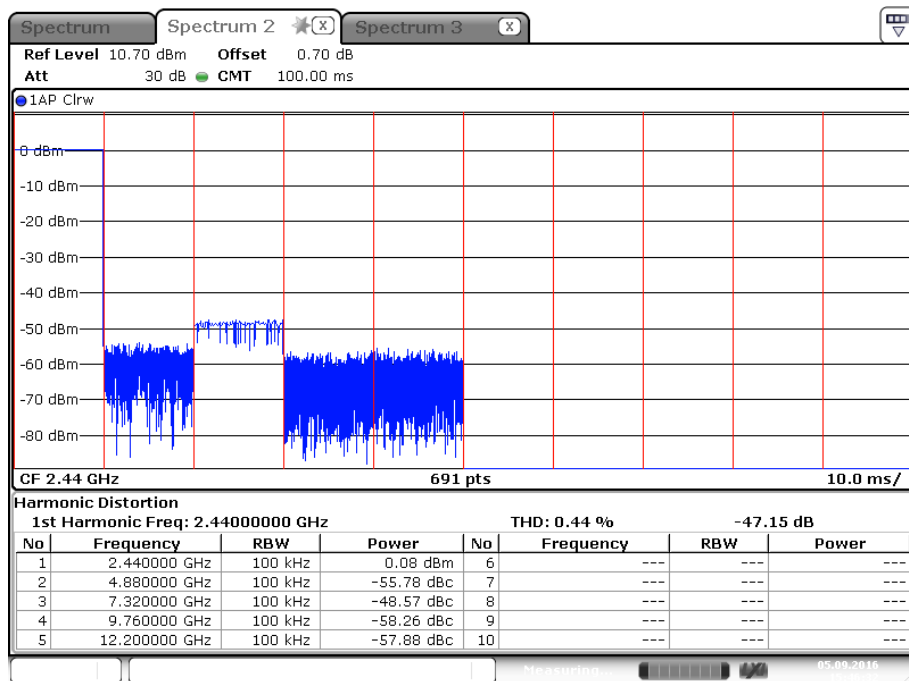
Date: 5.SEP.2016 15:45:46

Output power and harmonics, 0dBm, 2402MHz



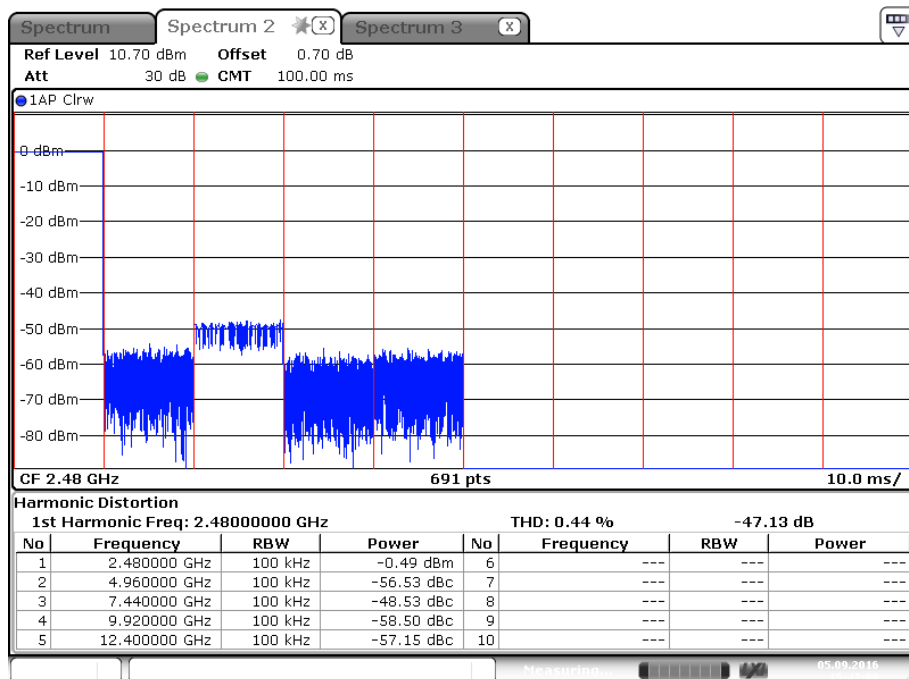
Date: 5.SEP.2016 15:46:11

Output power and harmonics, 0dBm, 2440MHz



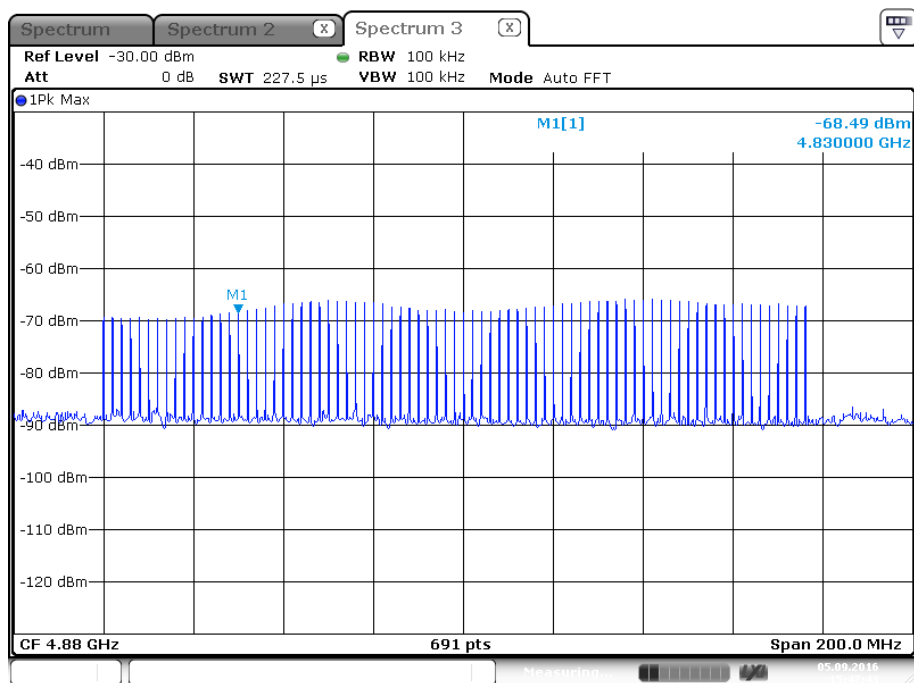
Date: 5.SEP.2016 15:46:32

Output power and harmonics, 0dBm, 2480MHz



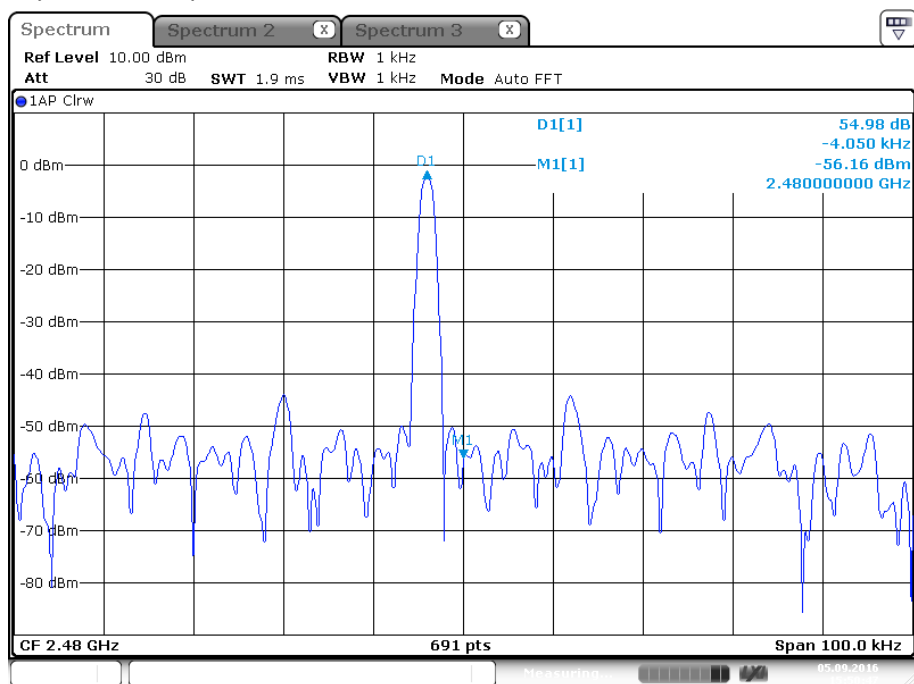
Date: 5.SEP.2016 15:47:00

RX LO (channel 02-80)



Date: 5.SEP.2016 15:47:43

Crystal accuracy



Date: 5.SEP.2016 15:50:47

Antenna measurements

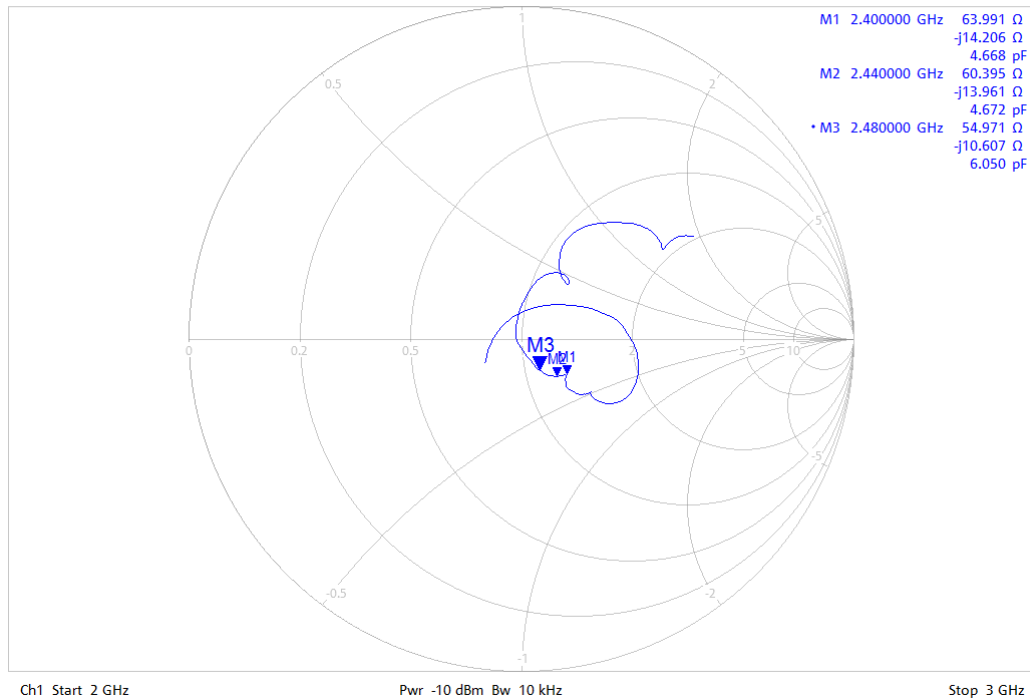
Length shortened by 10 mm

Impedance

9/5/2016 3:12:44 PM
1311.6010K42-101558-wM

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

1

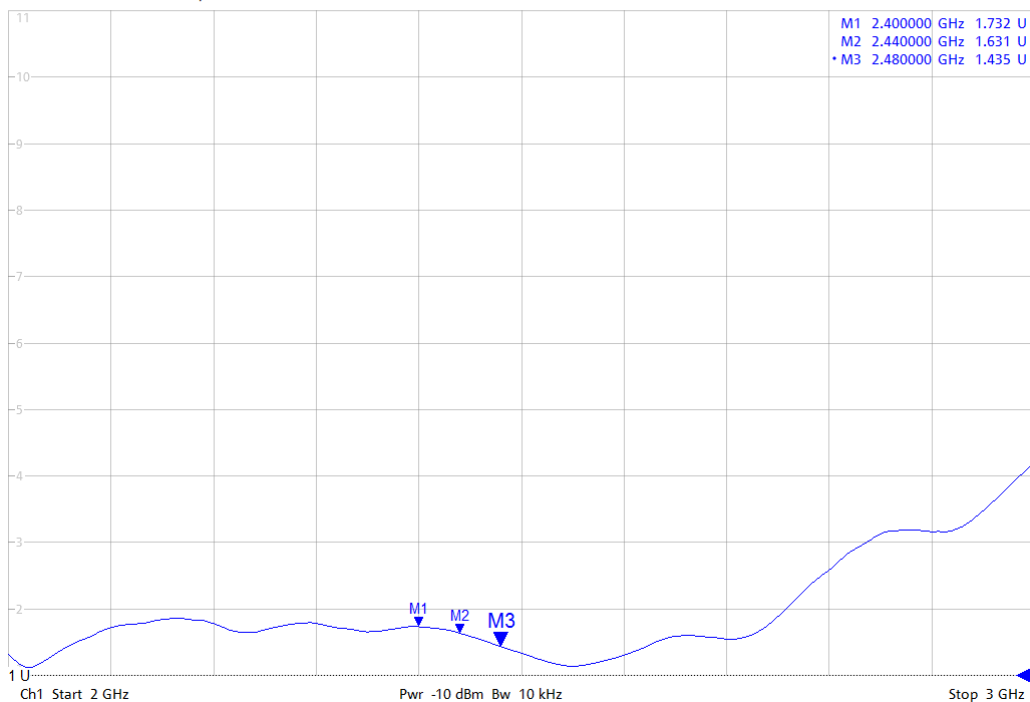


SWR

9/5/2016 3:12:58 PM
1311.6010K42-101558-wM

Trc1 — S11 SWR 1 U/ Ref 1 U Cal Offs

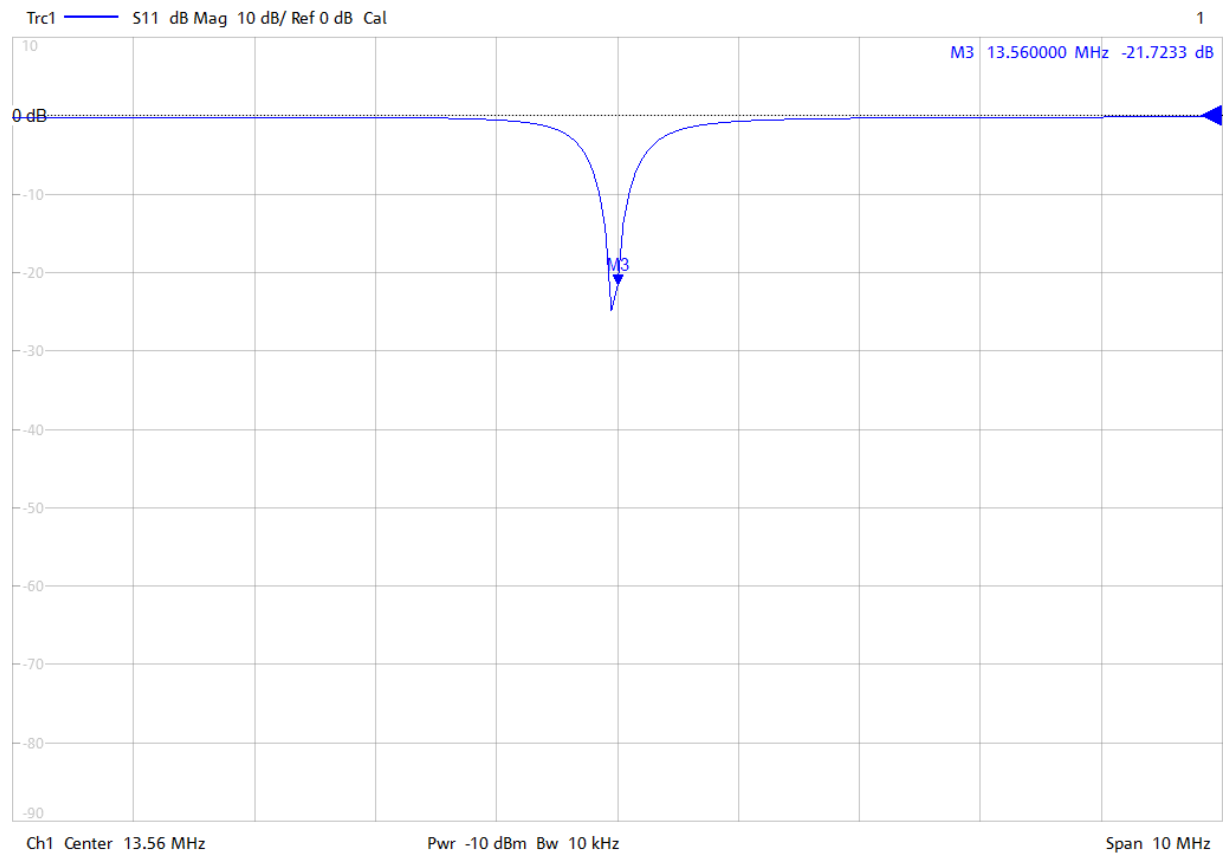
1



Antenna measurements

C_tune = 100 pF + 33 pF

9/16/2016 5:18:42 PM
1311.6010K42-101558-wM





Instruments:

Rohde&Schwarz	FSV13	Cal date 2016-01	Spectrum analyzer
Rohde&Schwarz	ZNB8	Cal date 2016-01	Vector Network analyzer
Agilent	E3646A	Cal date 2016-01	Power supply