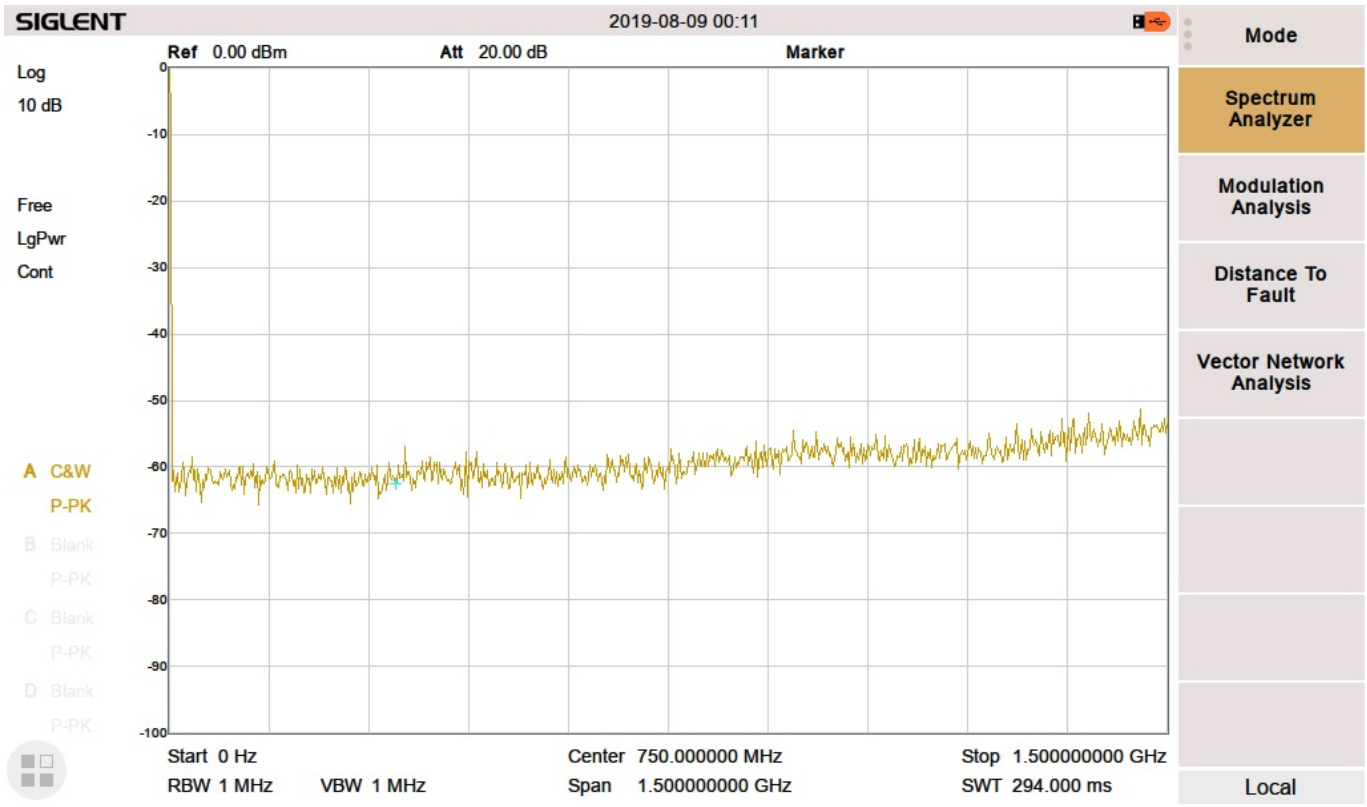
How to configure the SVA1X for complex impedance measurements

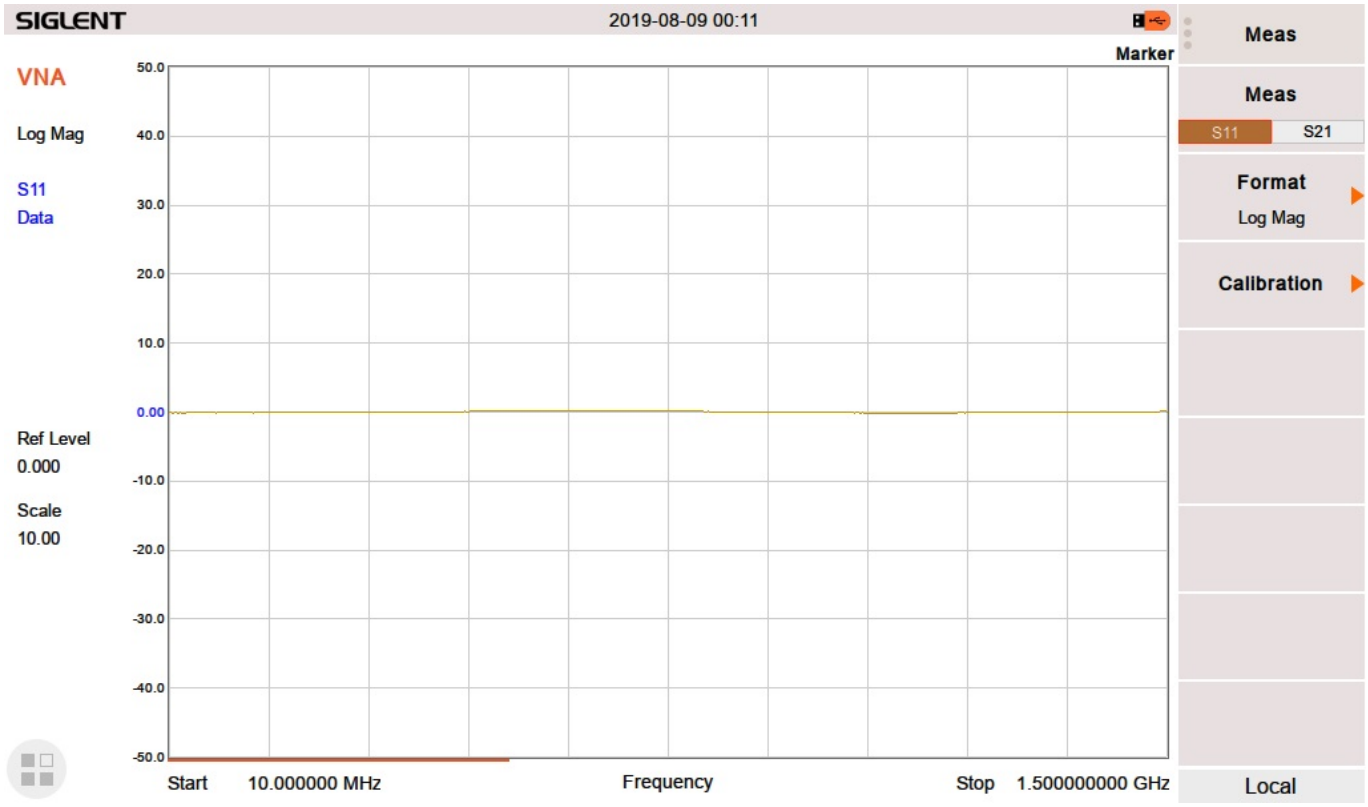
August 08, 2019

The SIGLENT SVA1X series is a multi-purpose RF measurement instrument. This operating tip shows you how to quickly configure the Vector Network mode to show a Smith chart displaying complex impedance:

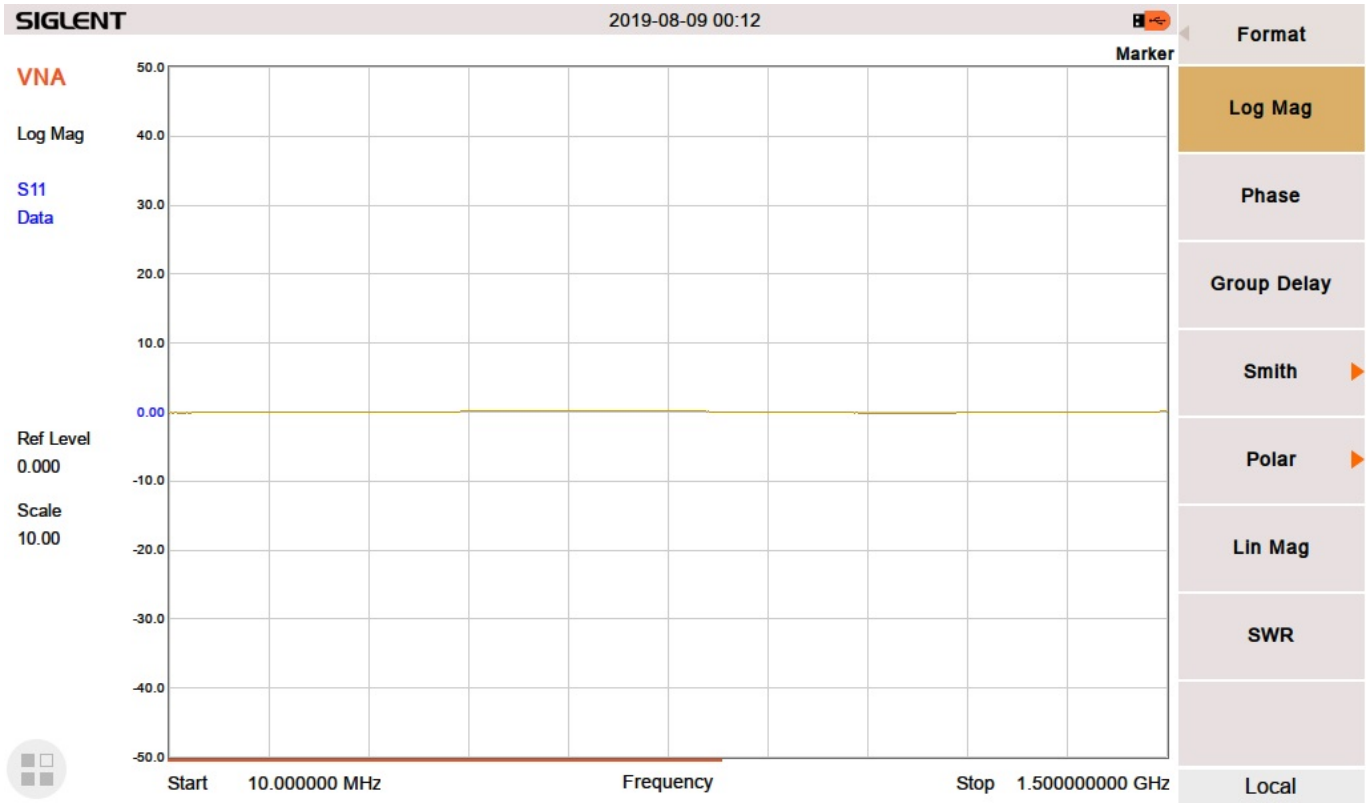
1. VNA mode – Press Mode > VNA



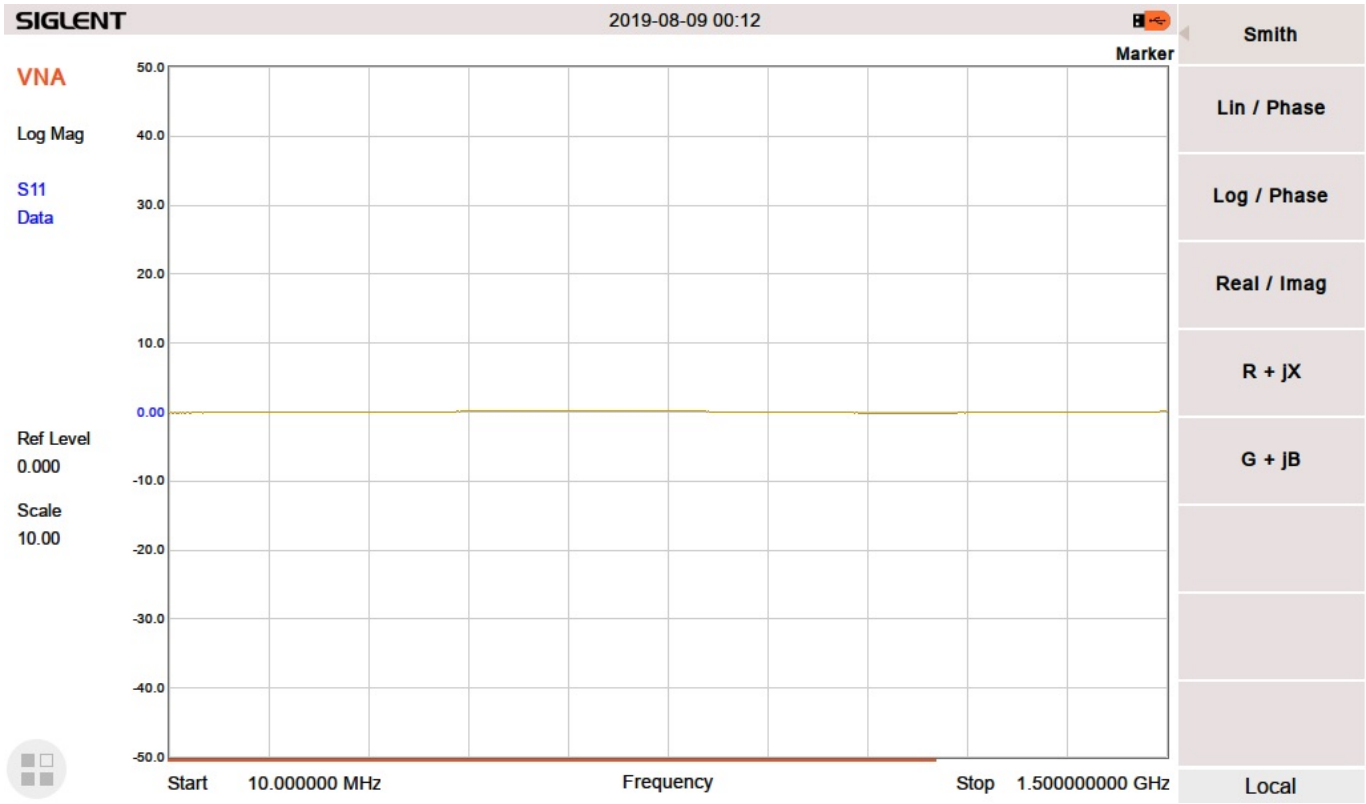
2. Set Meas type as S11 or S21



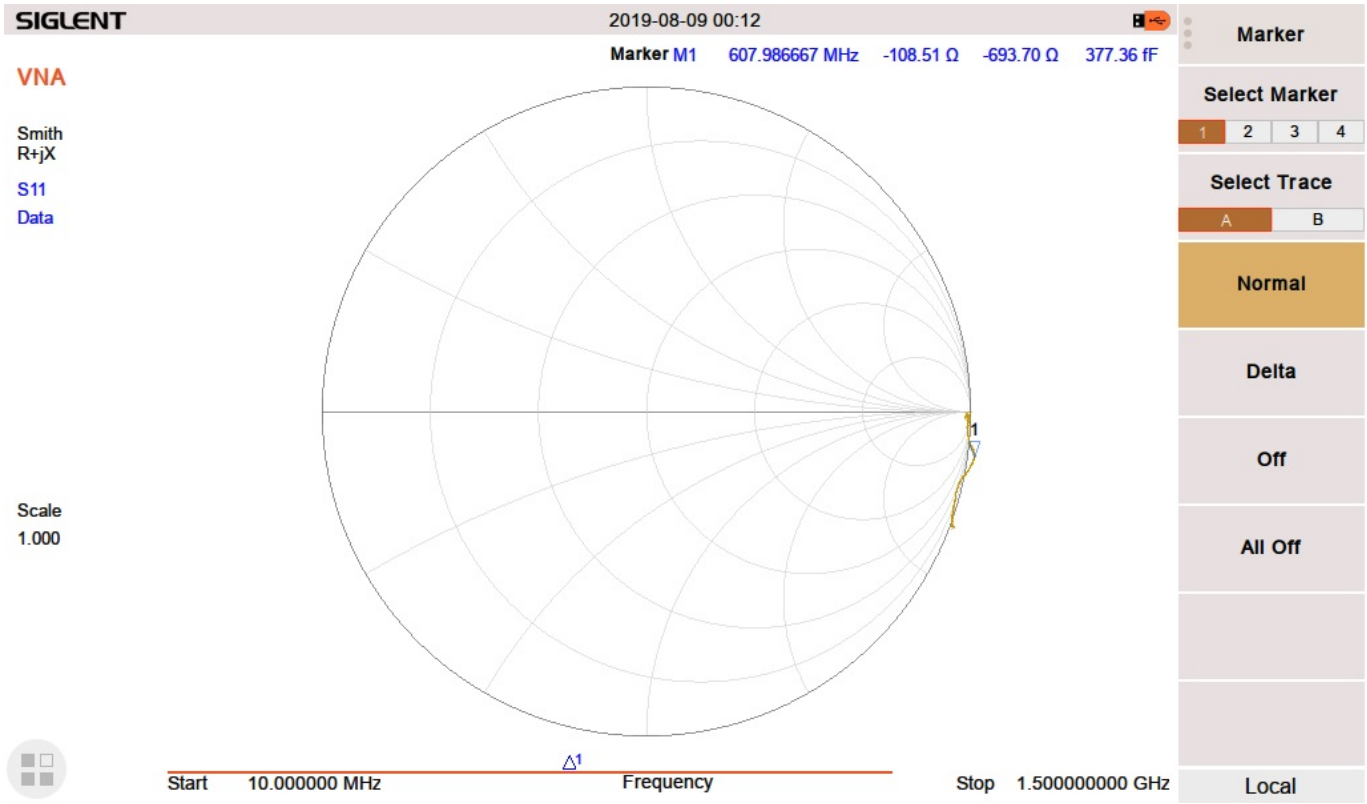
3. Set Format – Smith



4. Select R + jX



5. Now, you can activate markers (press Marker) and you can adjust the position of the marker on the screen to get the exact reading at that point


SIGLENT
2019-08-09 00:12
Marker M1 607.986667 MHz -108.51 Ω -693.70 Ω 377.36 fF
VNA
Smith
R+jX
S11
Data
Scale
1.000
Start 10.000000 MHz
Frequency
Stop 1.500000000 GHz
Marker
Select Marker
1 2 3 4
Select Trace
A B
Normal
Delta
Off
All Off
Local

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