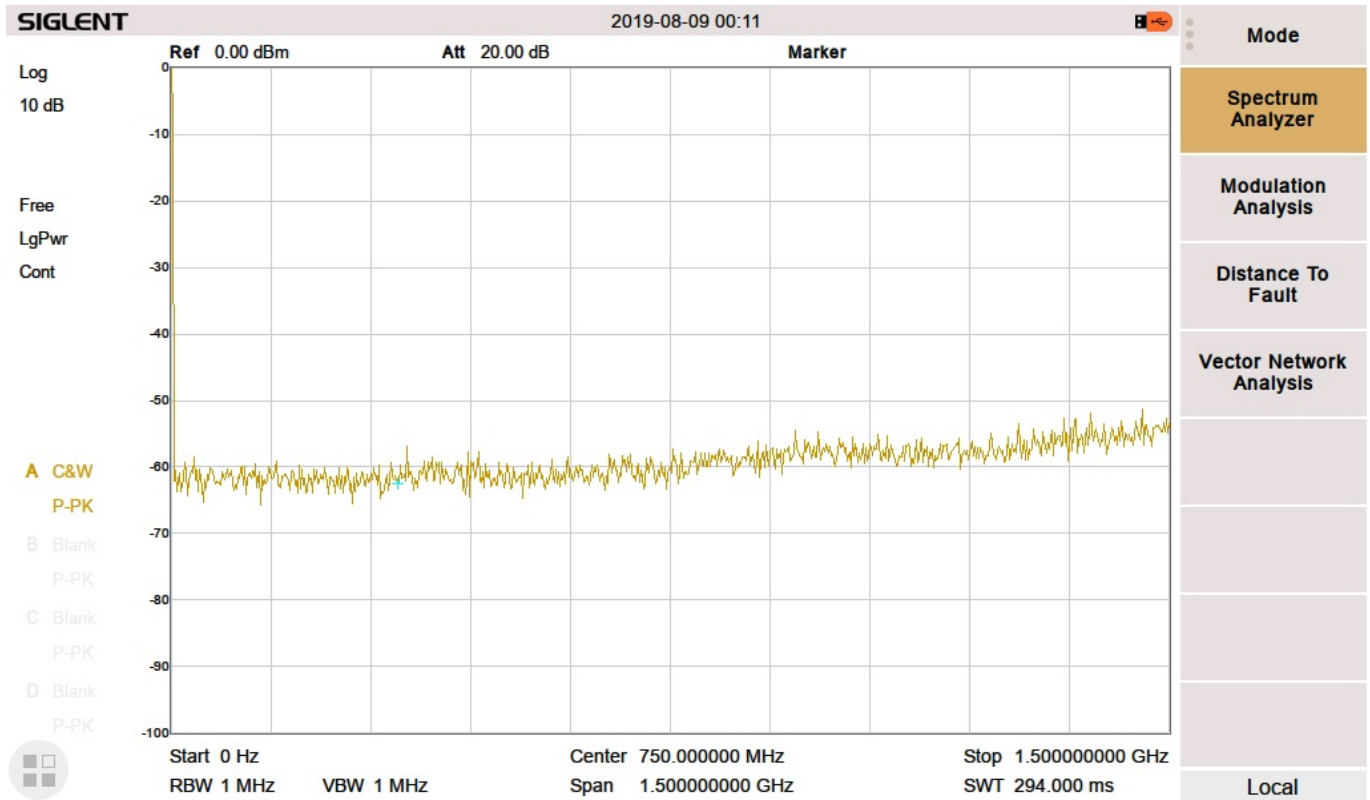


# How to configure the SVA1X for complex impedance measurements

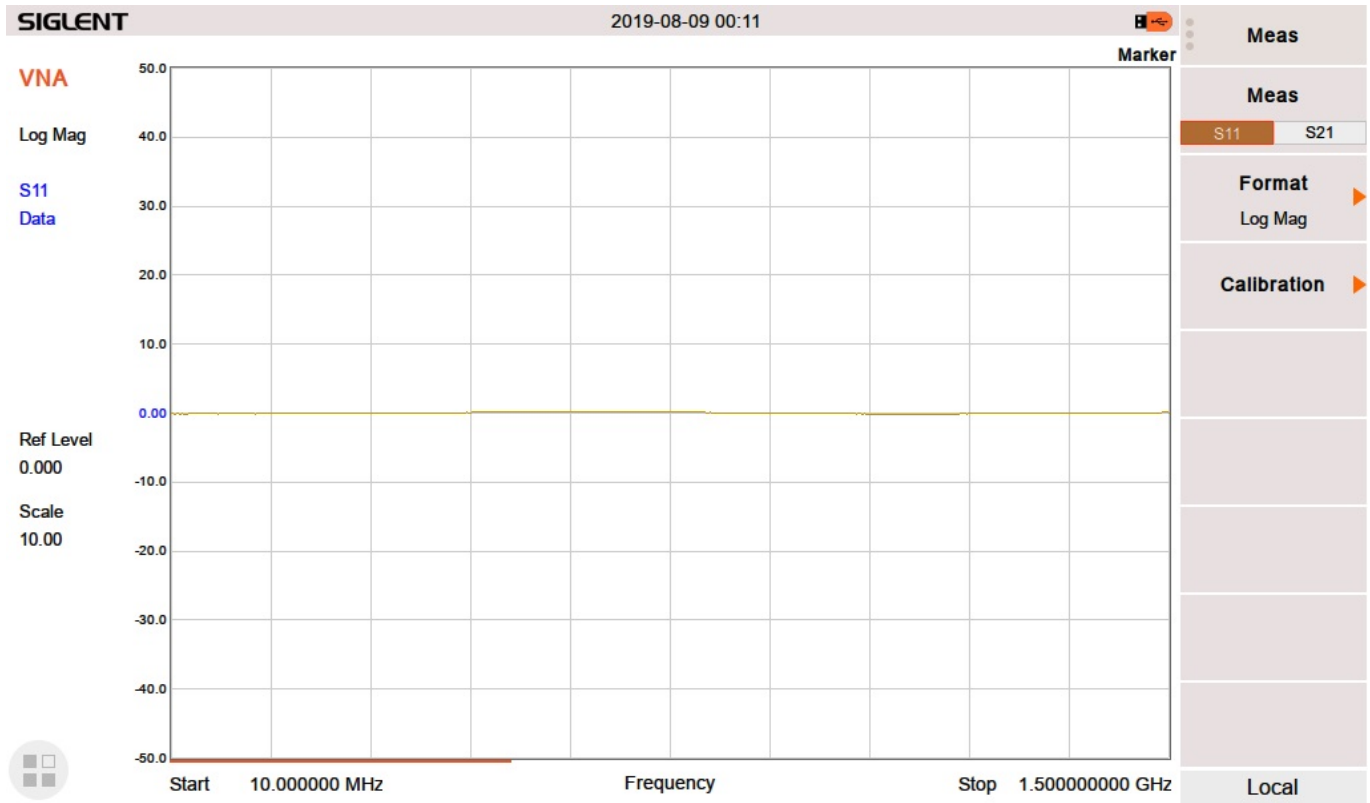
August 08, 2019

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:

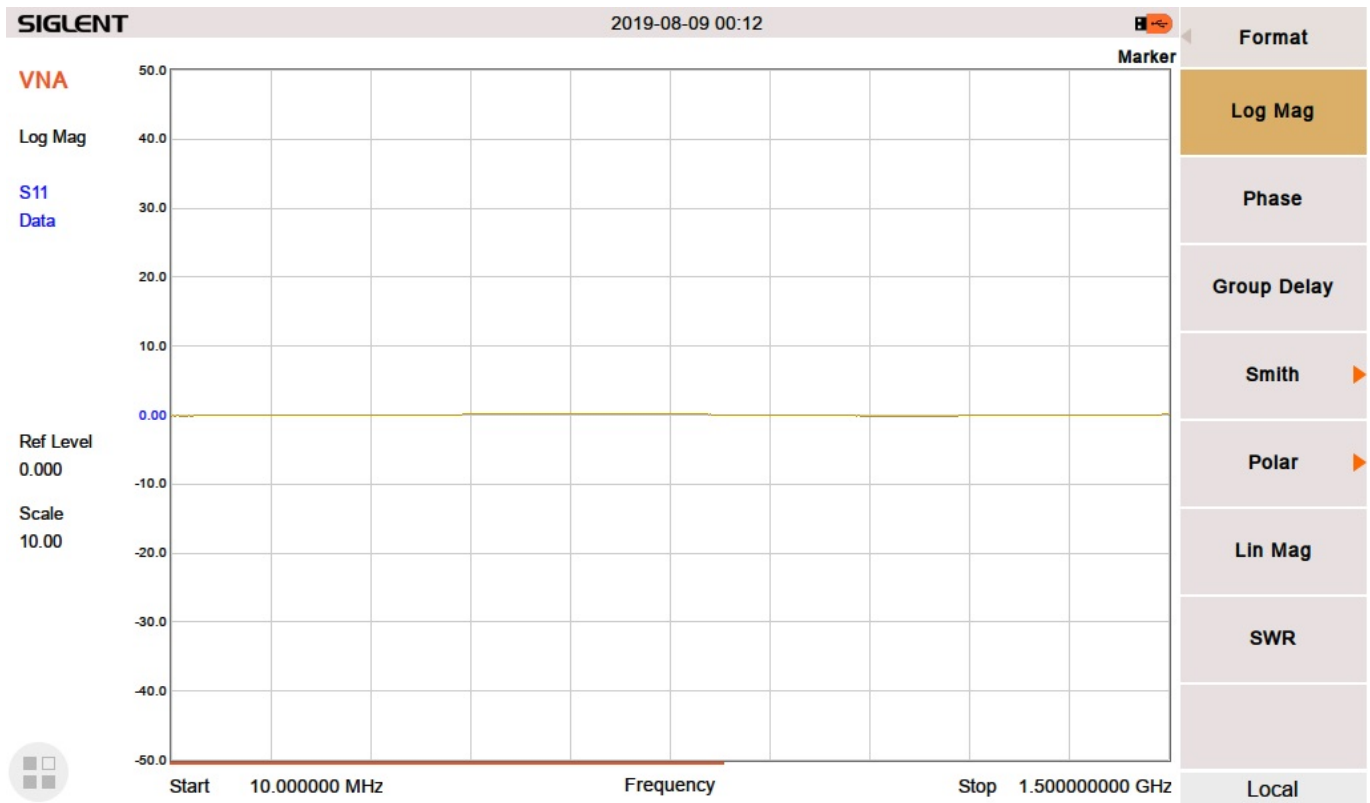
1. VNA mode - Press Mode > VNA



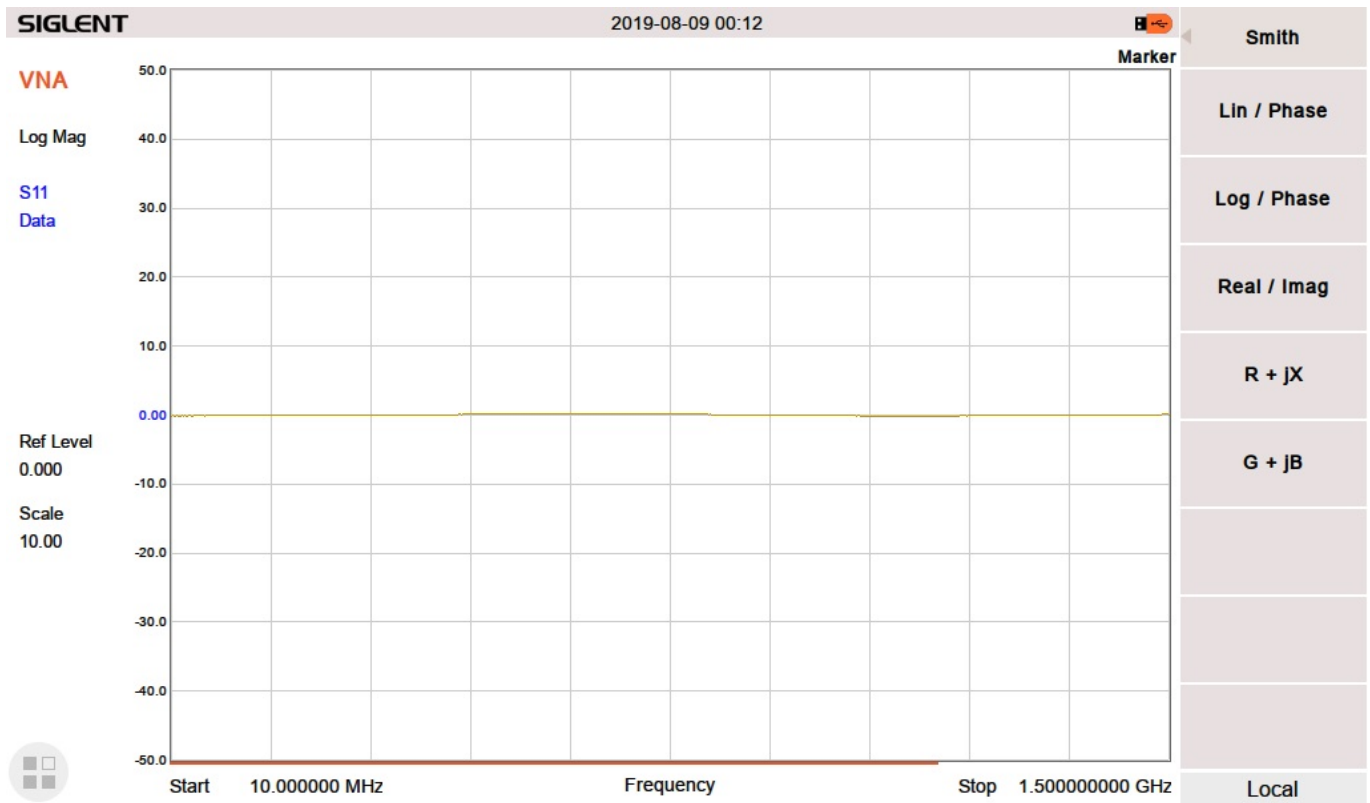
2. Set Meas type as S11 or S21



### 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

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2019-08-09 00:12



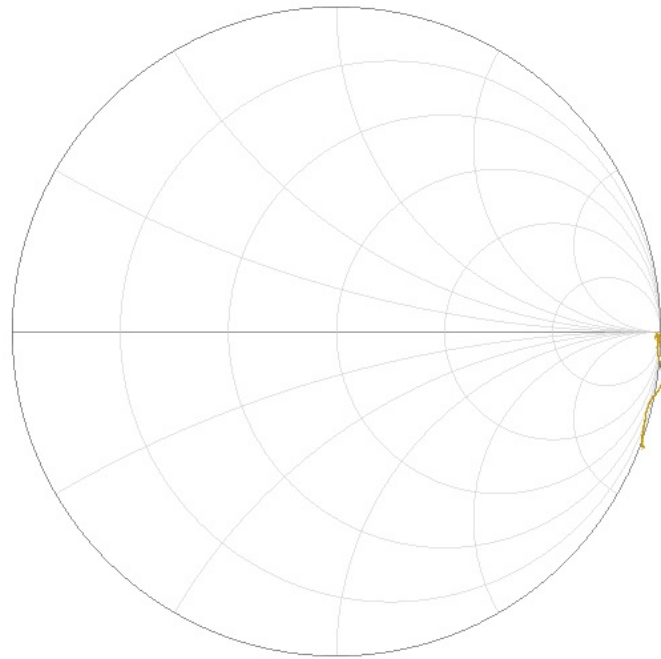
Marker M1 607.986667 MHz -108.51 Ω -693.70 Ω 377.36 fF

VNA

Smith  
R+jX

S11  
Data

Scale  
1.000



Start 10.000000 MHz Frequency Stop 1.50000000 GHz

Marker

Select Marker

1 2 3 4

Select Trace

A B

Normal

Delta

Off

All Off

Local





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