

Part No. WATT-6SR111

6GHz 11dB 1dB/Step 1W SMA Rotary Attenuator



Features:

- Smallest models made
- Low VSWR

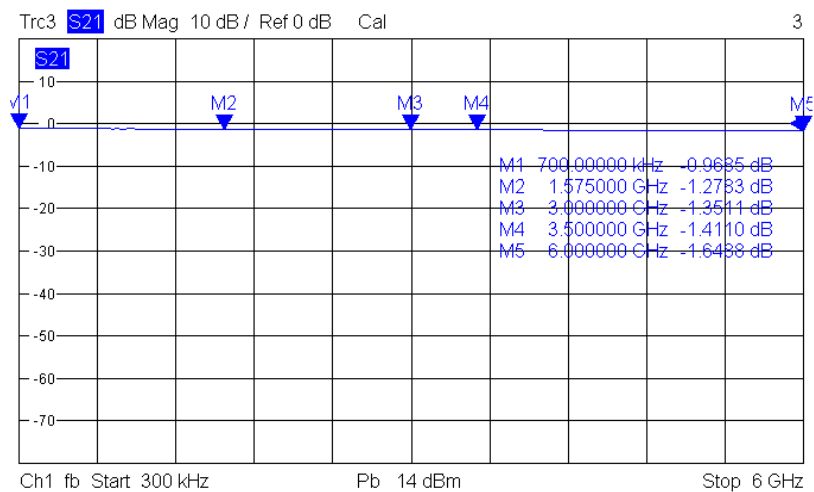
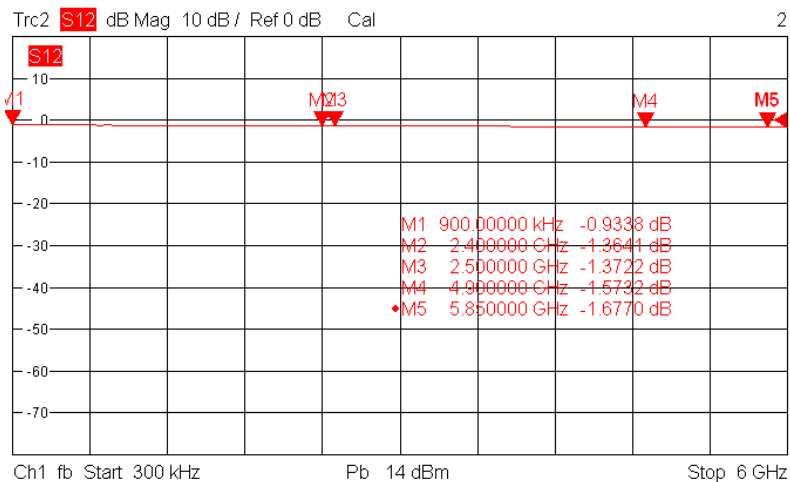
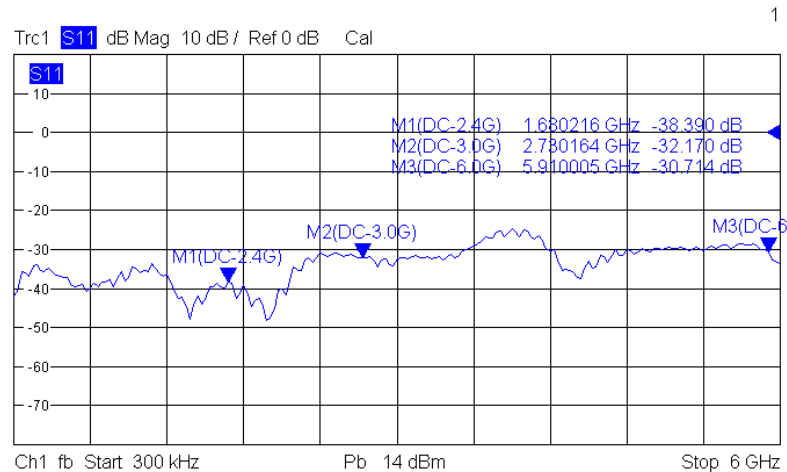


Electrical Specification	
Frequency	DC-6GHz
Attenuation Range	0-11dB 1dB/Step
Attenuation Accuracy	$\pm(\text{Attenuation Value} \times 5\% + 0.4)\text{dB}$
Insertion Loss	0.7dB +0.1dB/GHz
V.S.W.R	1.7:1 max
Input Power	1W (AVG) 100W(Peak)
Connector	SMA
Impedance	50 ohm

Mechanical Specification	
Switching Cycle	100,000 Times
Dimension	140mm x 75mm x 21mm

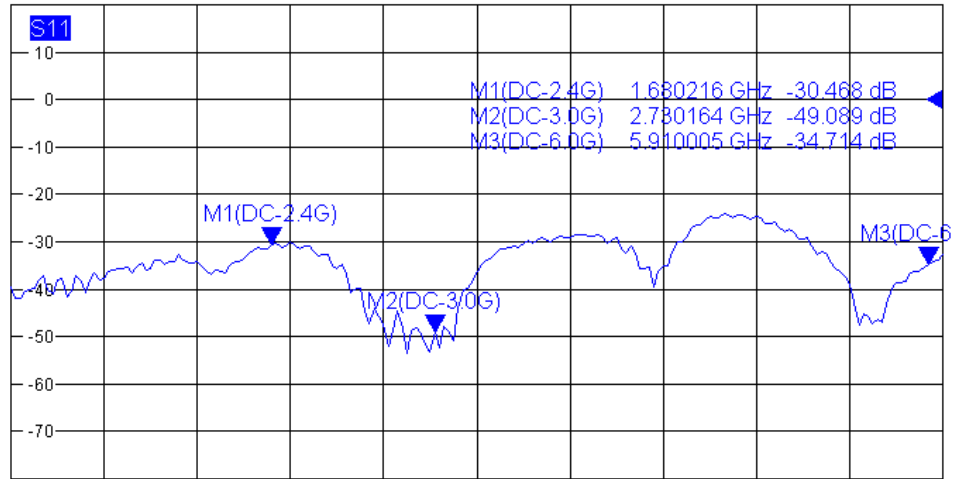
Test Report

1dB:



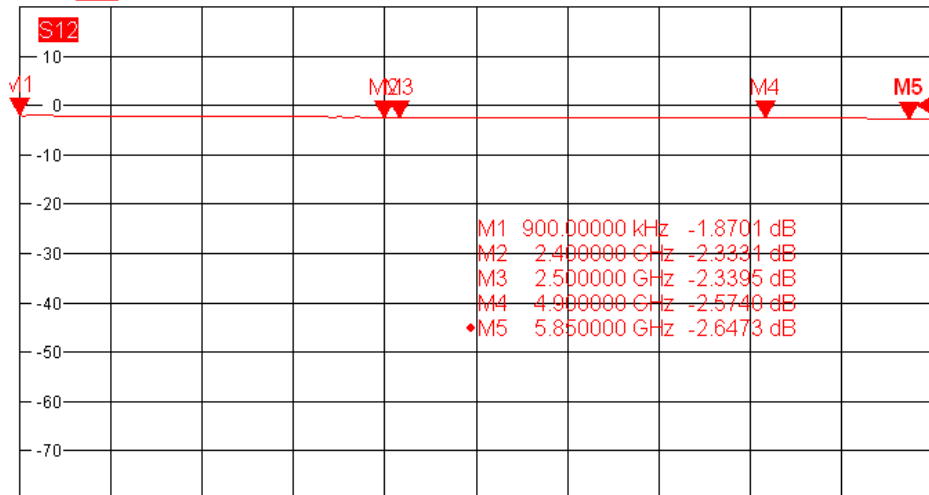
2dB:

Trc1 **S11** dB Mag 10 dB / Ref 0 dB Cal



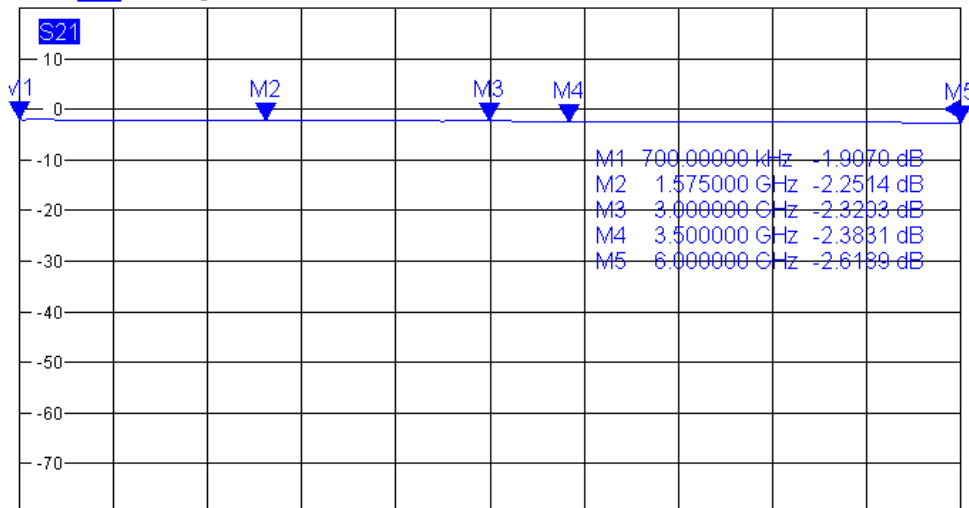
Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

Trc2 **S12** dB Mag 10 dB / Ref 0 dB Cal



Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

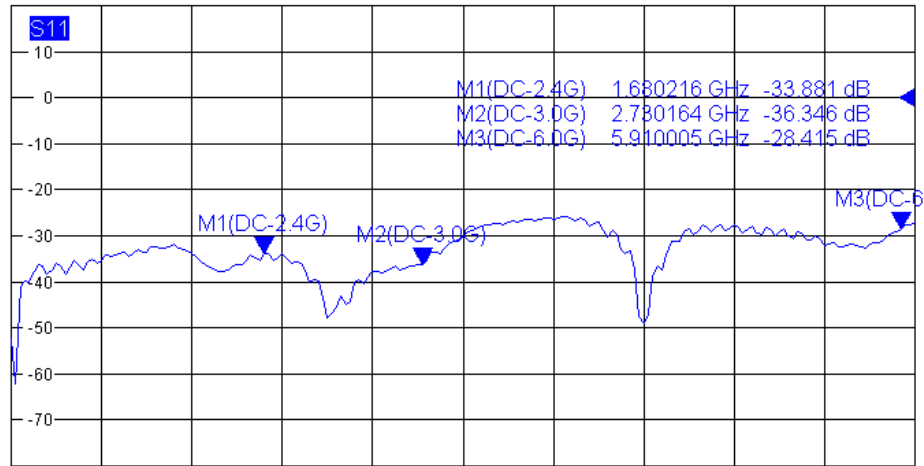
Trc3 **S21** dB Mag 10 dB / Ref 0 dB Cal



Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

3dB:

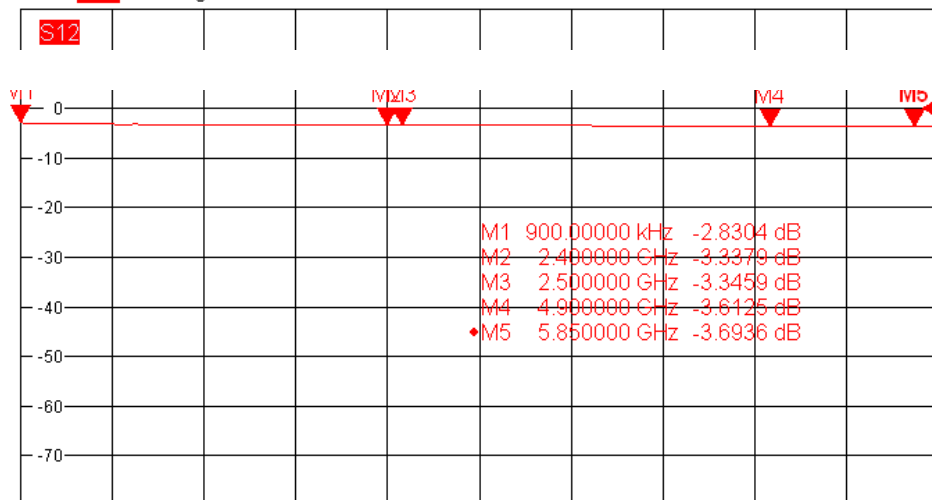
Trc1 S11 dB Mag 10 dB / Ref 0 dB Cal



Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

Trc2 S12 dB Mag 10 dB / Ref 0 dB Cal

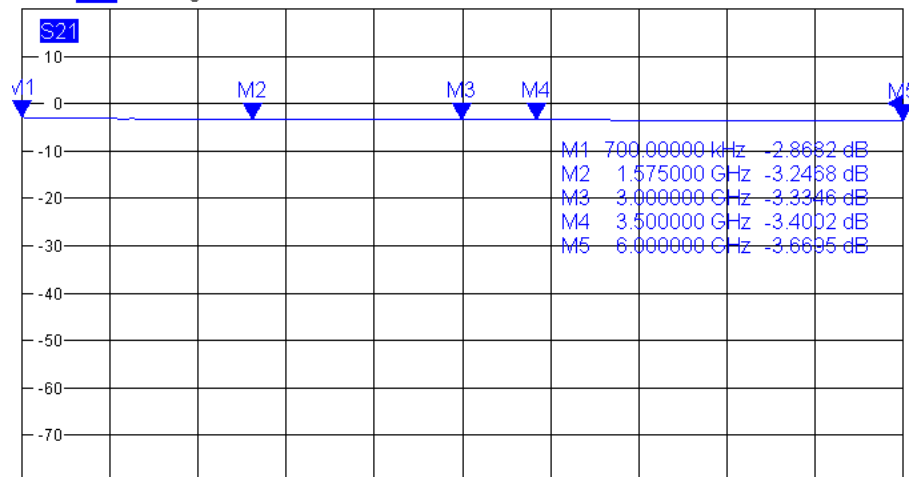
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Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

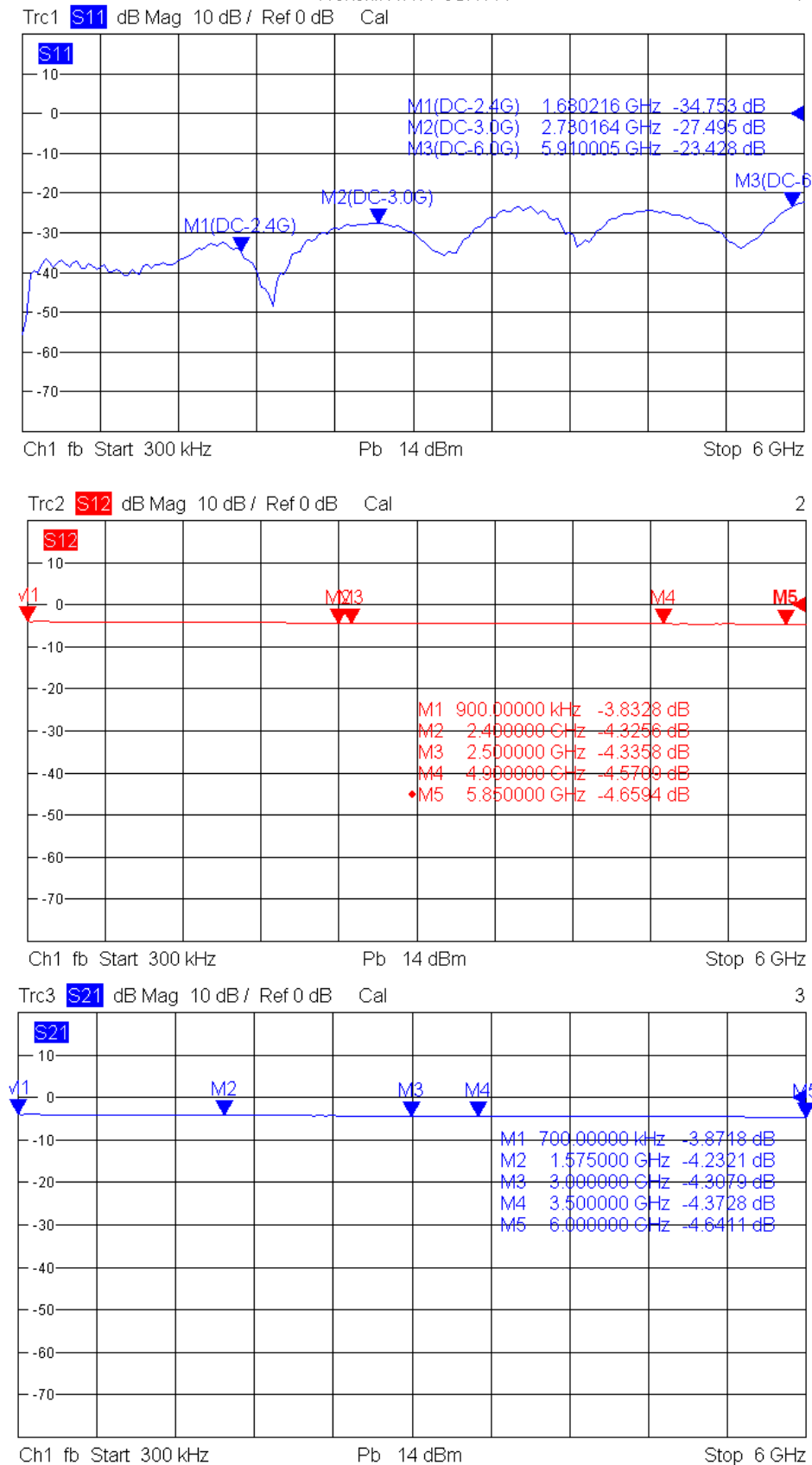
Trc3 S21 dB Mag 10 dB / Ref 0 dB Cal

3



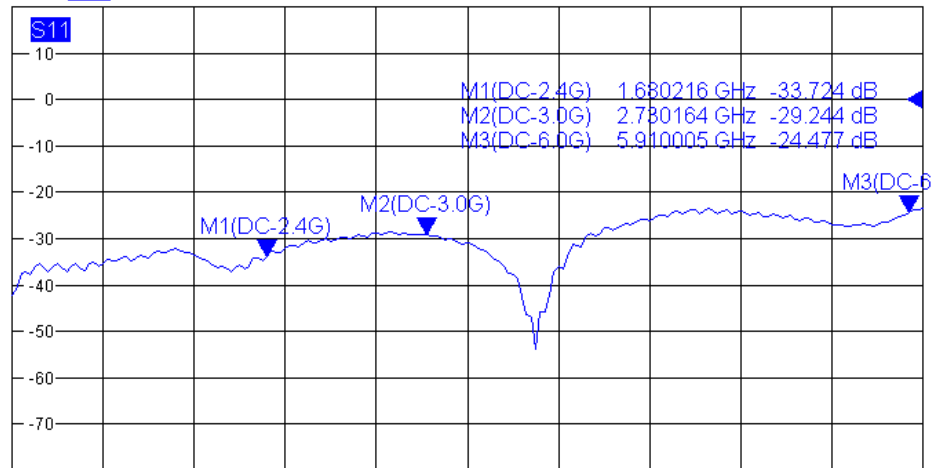
Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

4dB:



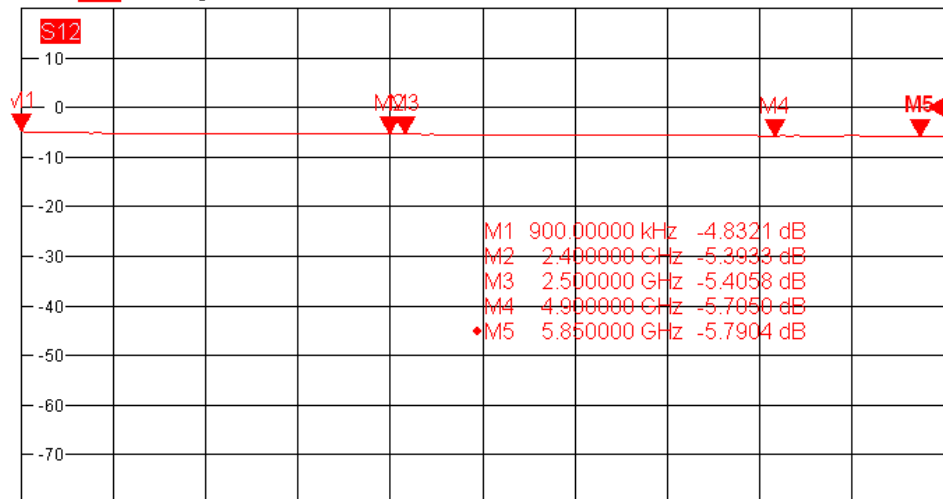
5dB:

Trc1 **S11** dB Mag 10 dB / Ref 0 dB Cal



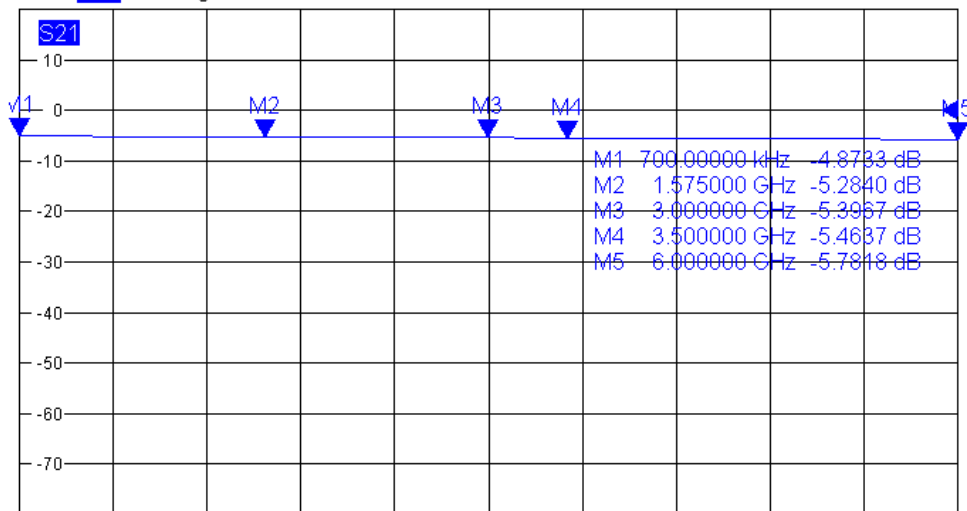
Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

Trc2 **S12** dB Mag 10 dB / Ref 0 dB Cal



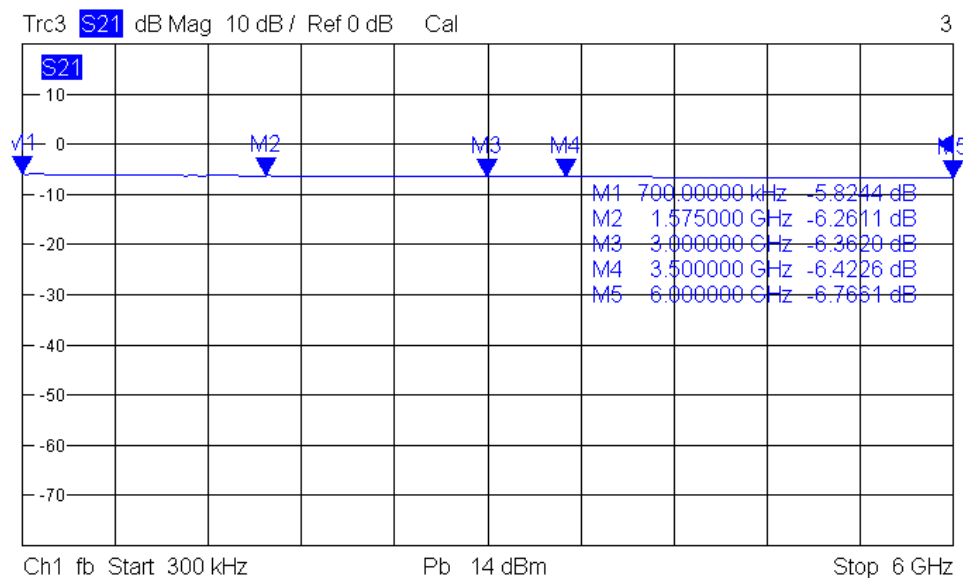
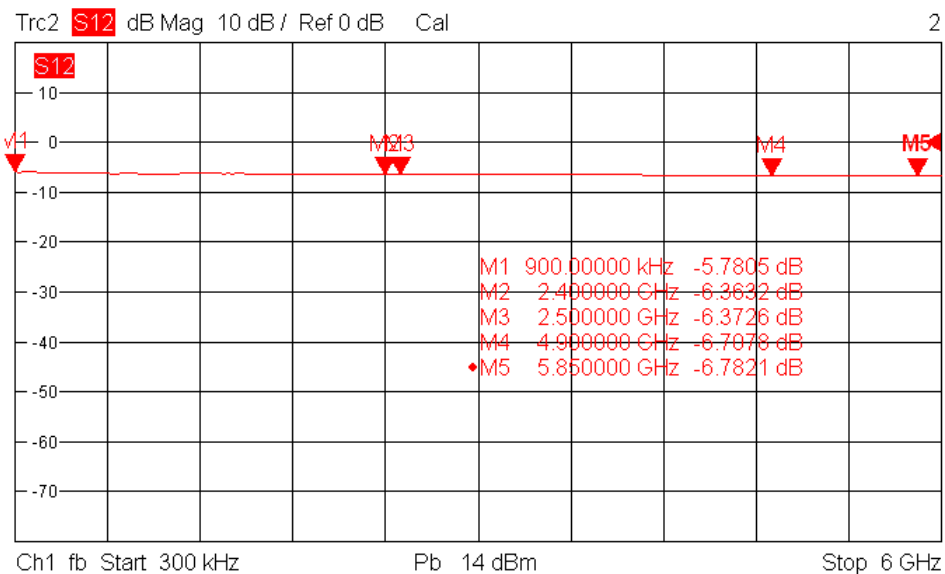
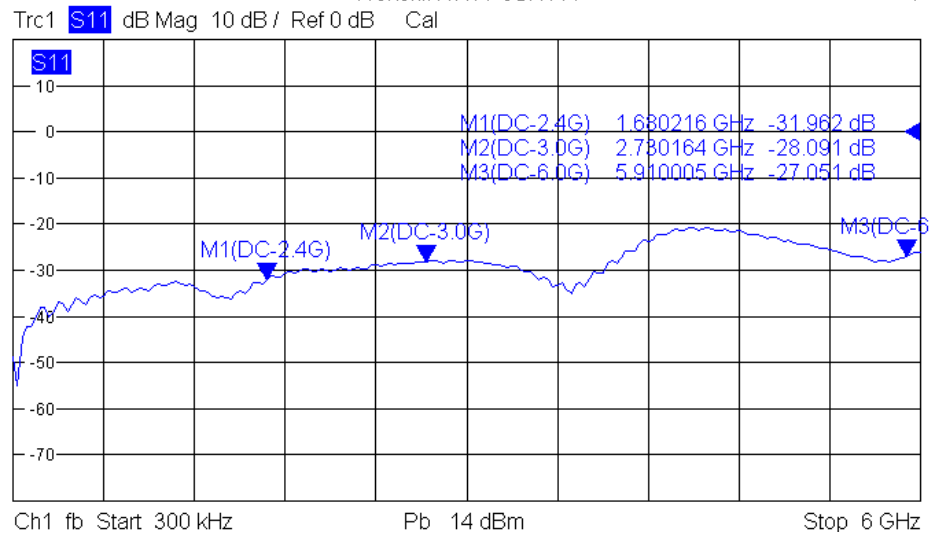
Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

Trc3 **S21** dB Mag 10 dB / Ref 0 dB Cal



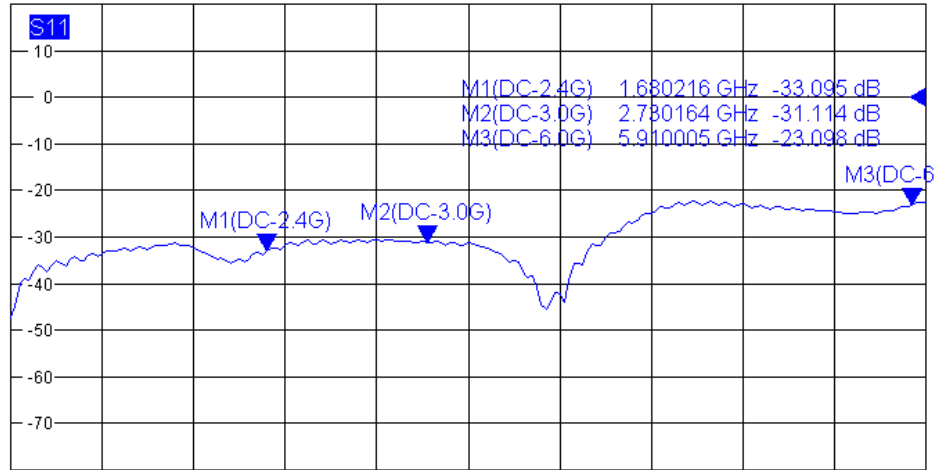
Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

6dB:



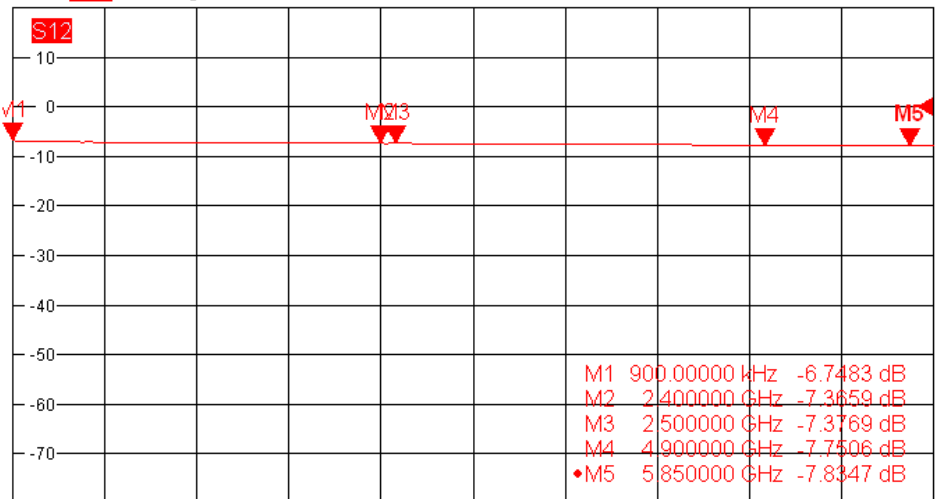
7dB:

Trc1 S11 dB Mag 10 dB / Ref 0 dB Cal



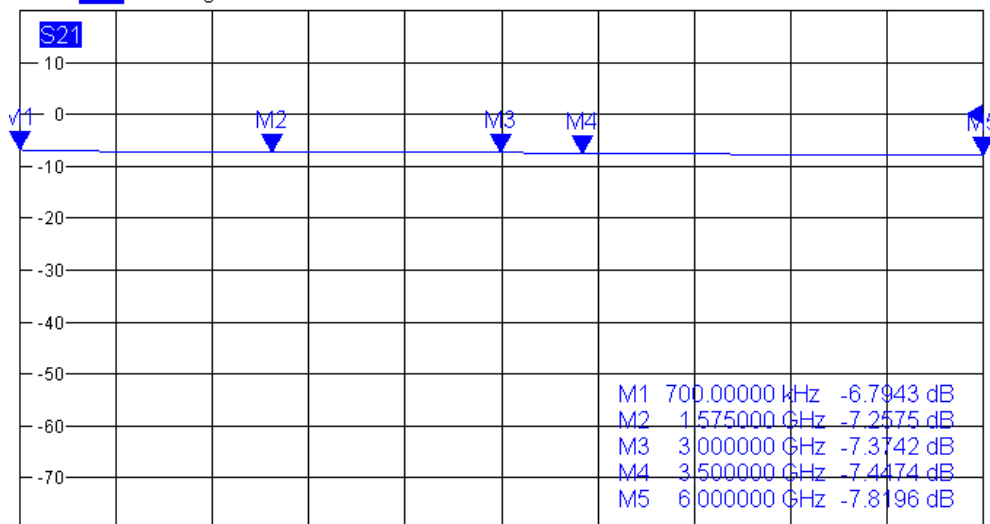
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Trc2 S12 dB Mag 10 dB / Ref 0 dB Cal



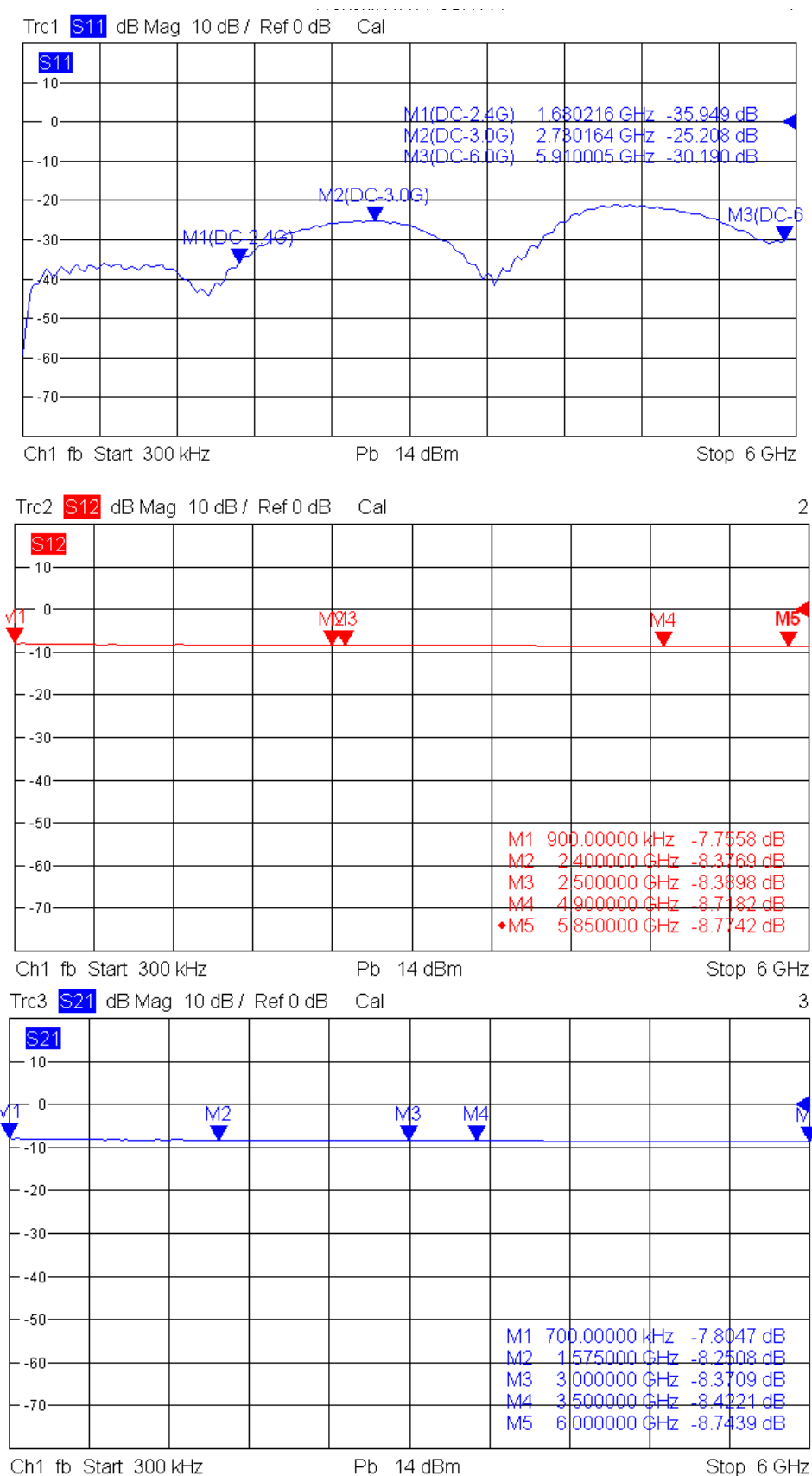
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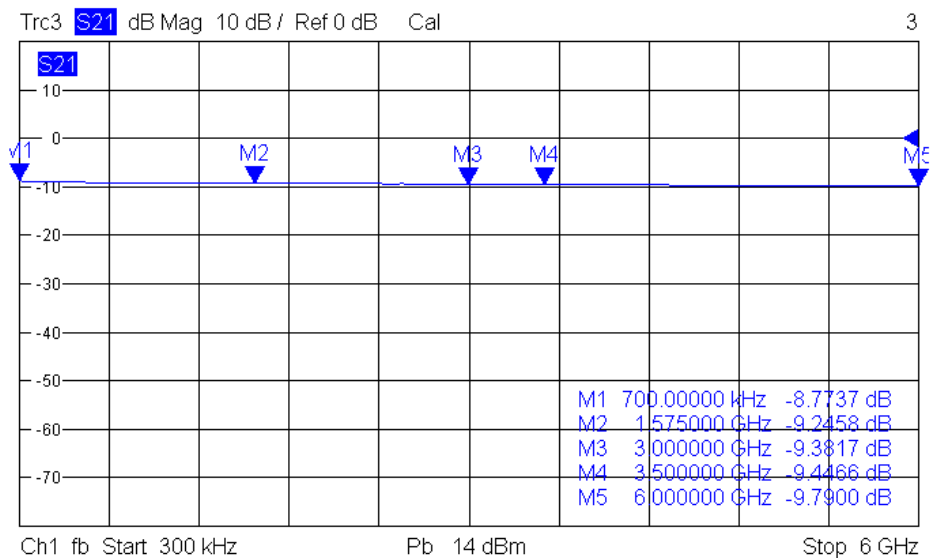
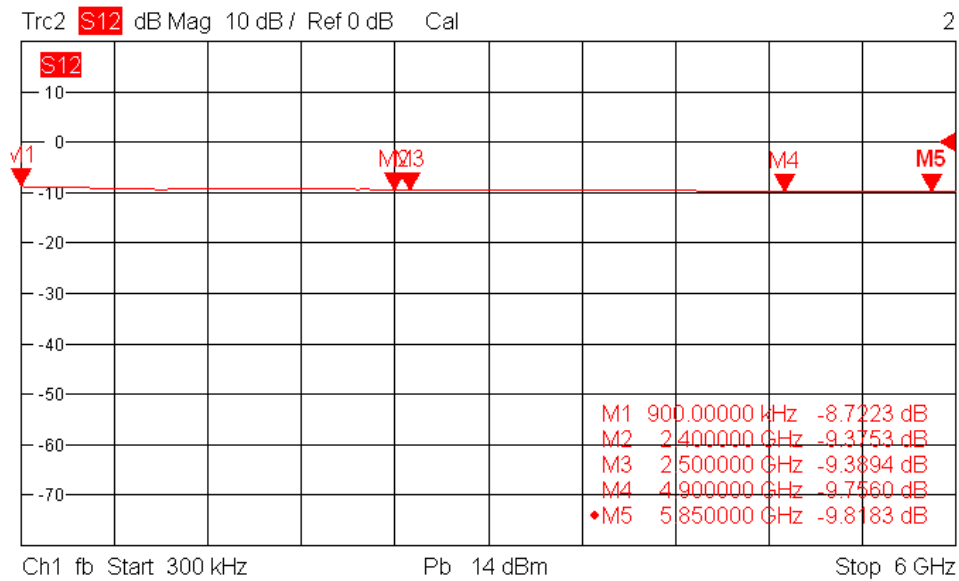
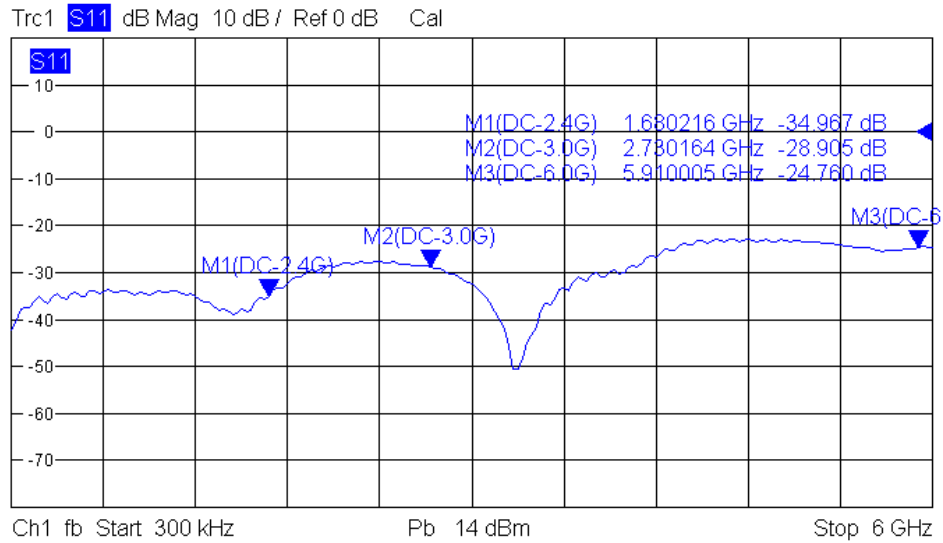


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8dB:

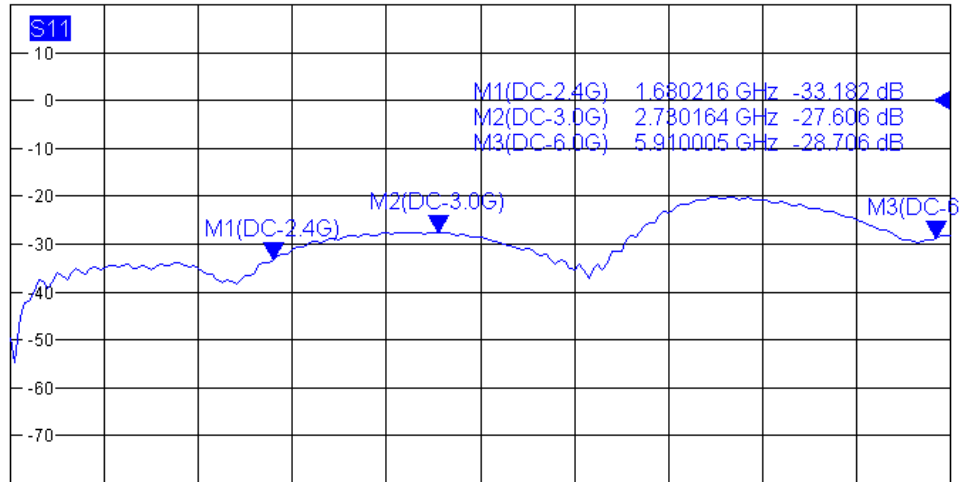


9dB:



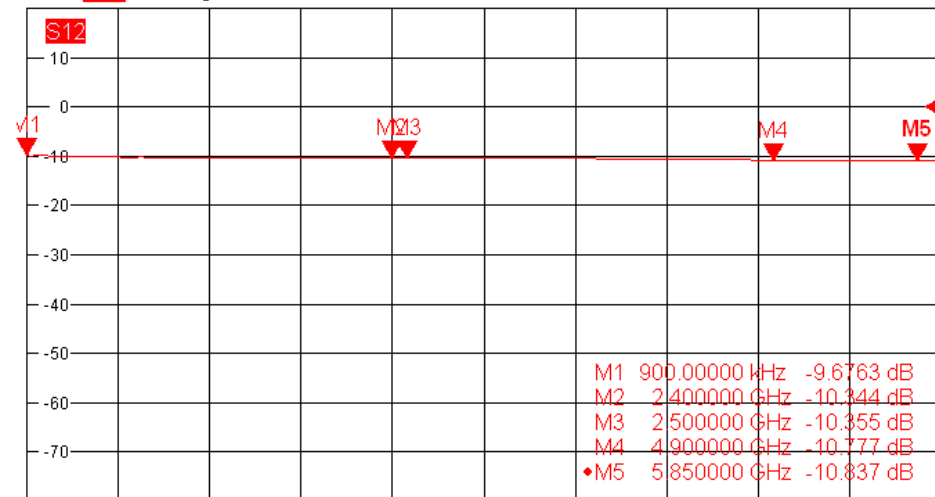
10dB:

Trc1 **S11** dB Mag 10 dB / Ref 0 dB Cal



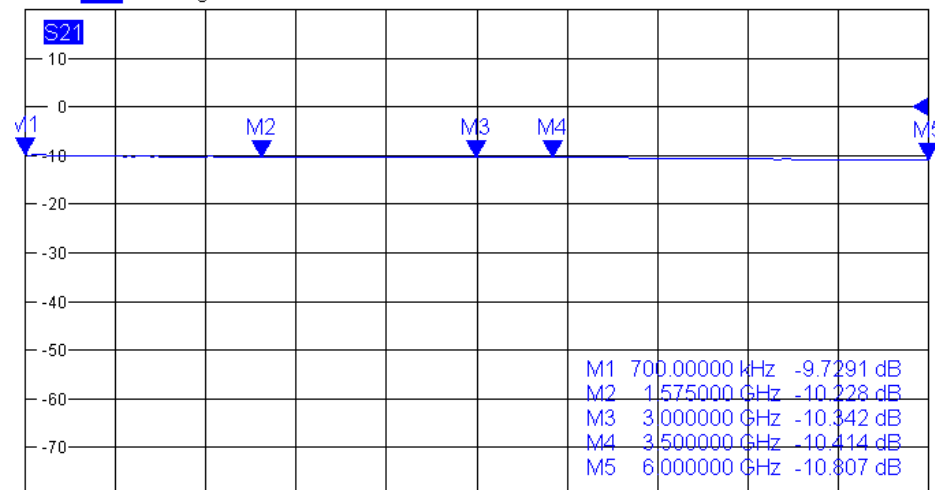
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Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

Trc3 **S21** dB Mag 10 dB / Ref 0 dB Cal



Ch1 fb Start 300 kHz Pb 14 dBm Stop 6 GHz

11dB:

