

# Measurement Condition

S-parameter is measured by using Network Analyzer, Agilent ENA E5071B/C.  
We use TRL calibration method to remove the fixture effect.

Frequency Range (MHz)	Number of Points	Sweep Type	Product	Page	Ref.
0.3 ~ 8500	201	Log	<a href="#">Ferrite Beads</a> <a href="#">Ferrite Inductors</a>	3	E5071B
10~ 10,000	201	Log	<a href="#">Ceramic Inductor</a>	4	E5071C
1 ~ 3,000	801	Log	<a href="#">Common mode choke/filter-1</a>	5	E5071C
10~ 10,000	801	Log	<a href="#">Common mode choke/filter-2</a>	6	E5071C
Examples				7	E5071C

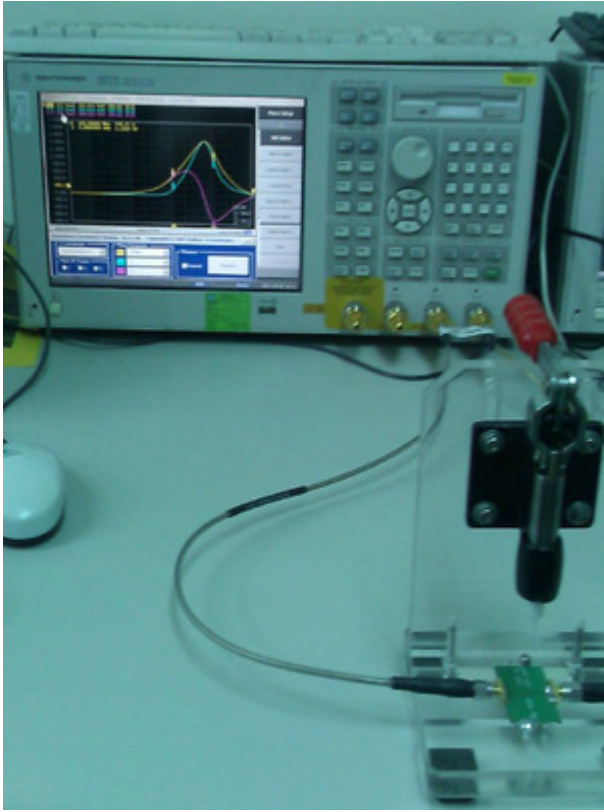
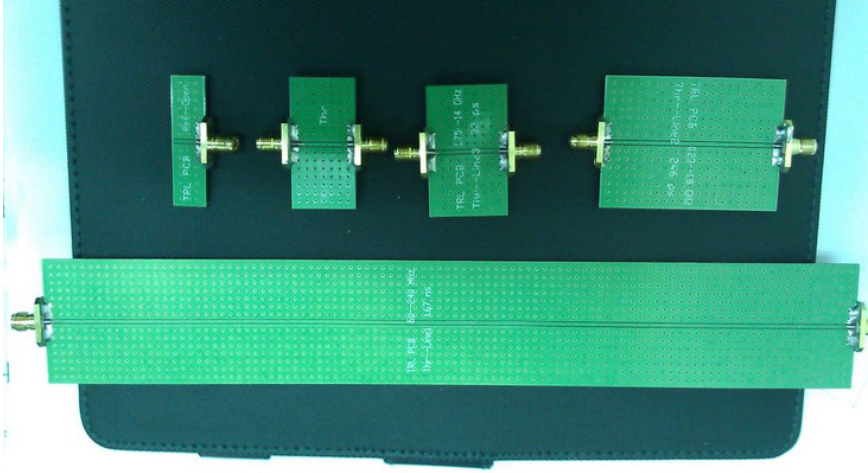
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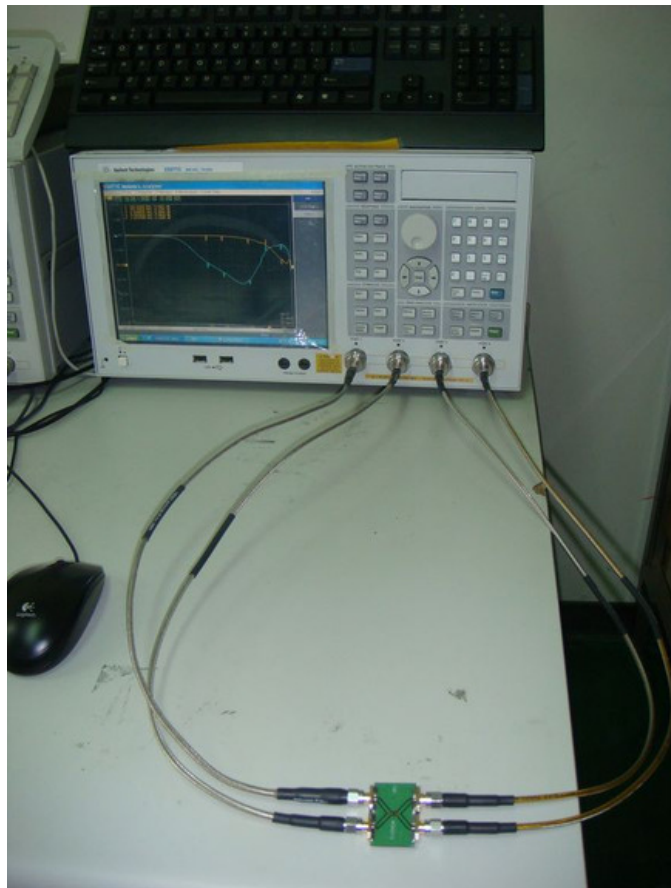
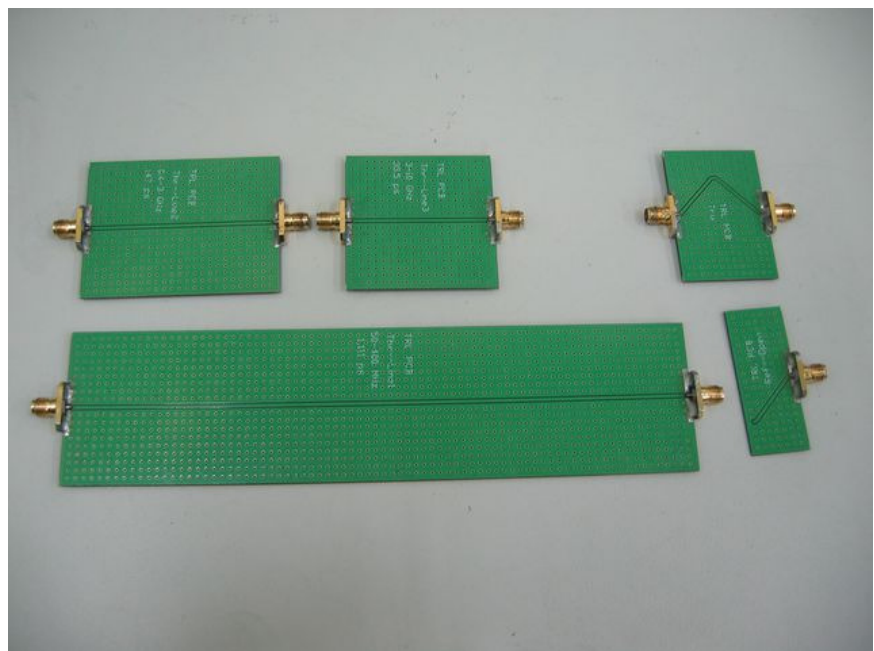
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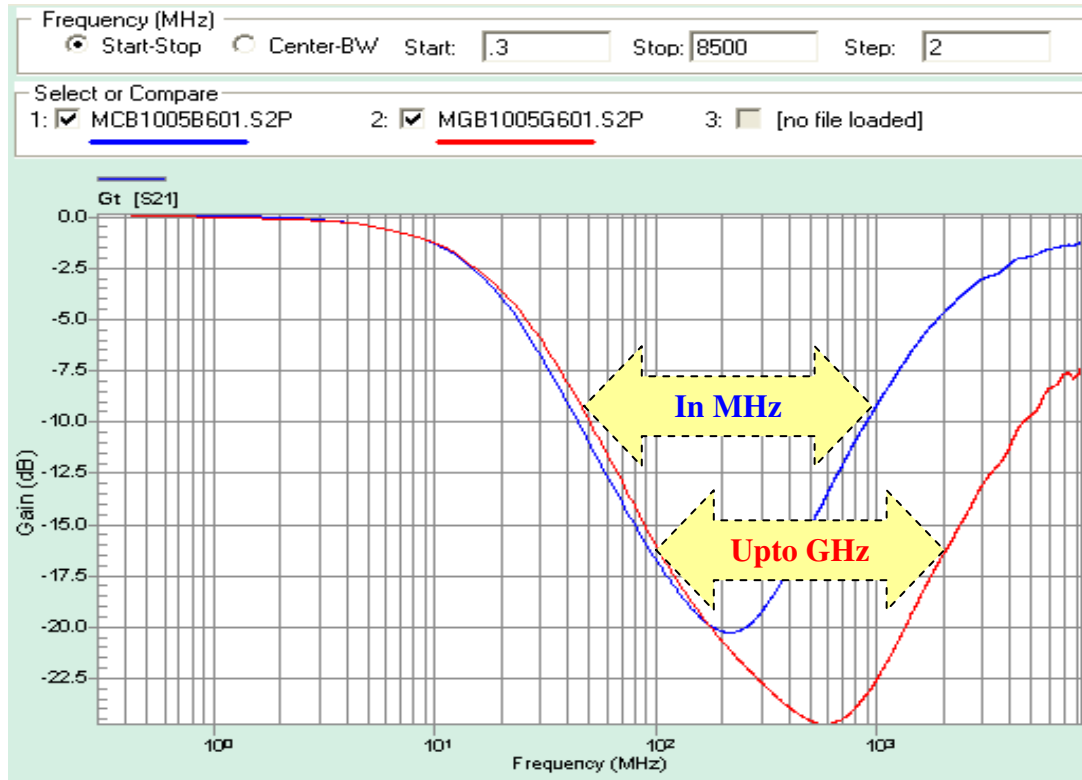
2-terminal for Beads 、 Inductor :

<p>Test Board :</p> <p>Micro-strip line with 50 ohm characteristic impedance (FR4 0.8mm thickness)</p>	
<p>Calibration :</p> <p><u>TRL method</u></p> <p>T : Thru kit R : Reflect kit L : Line Kit</p>	

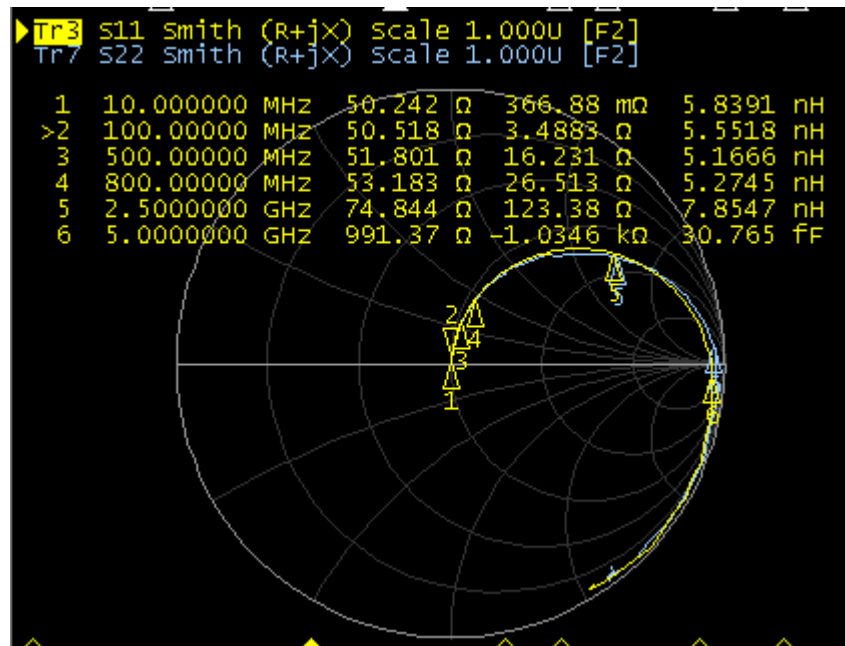
4-terminal for Common mode choke/filter :

<p>Test Board :</p> <p>Micro-strip line with 50 ohm characteristic impedance (FR4 0.8mm thickness)</p>	
<p>Calibration :</p> <p><u>TRL method</u></p> <p>T : Thru kit R : Reflect kit L : Line Kit</p>	

Example for using the Ferrite Bead ( MGB or MCB ) to suppress the noise in MHz range, or upto GHz range.

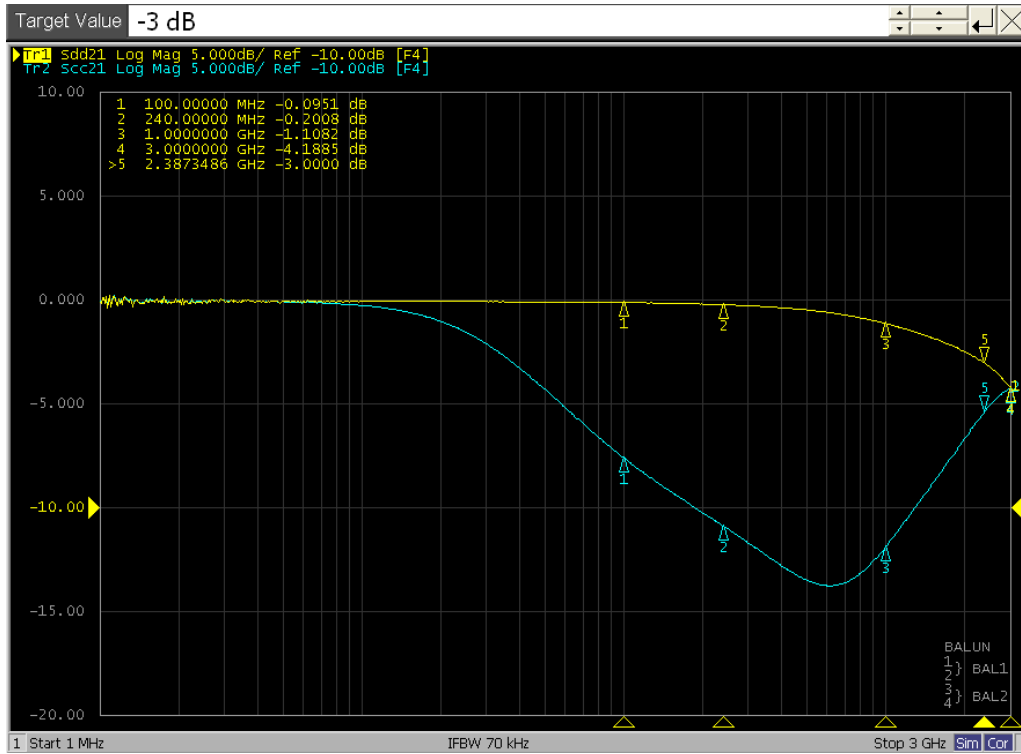


Example for using the Ceramic Inductor ( MCI ) to conjugate matching the impedance in Smith-chart.



Example for using the common mode filter ( MCM or HCM )  
to suppress the common noise.

MCM1012B900 : Sdd21 and Scc21 at frequency range 1 ~ 3,000MHz



HCM1012GD900 : Sdd21 and Scc21 at frequency 10 ~ 10,000MHz

