



TR S-Parameter 67 GHz PNA

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ELECTRONICS PARTS

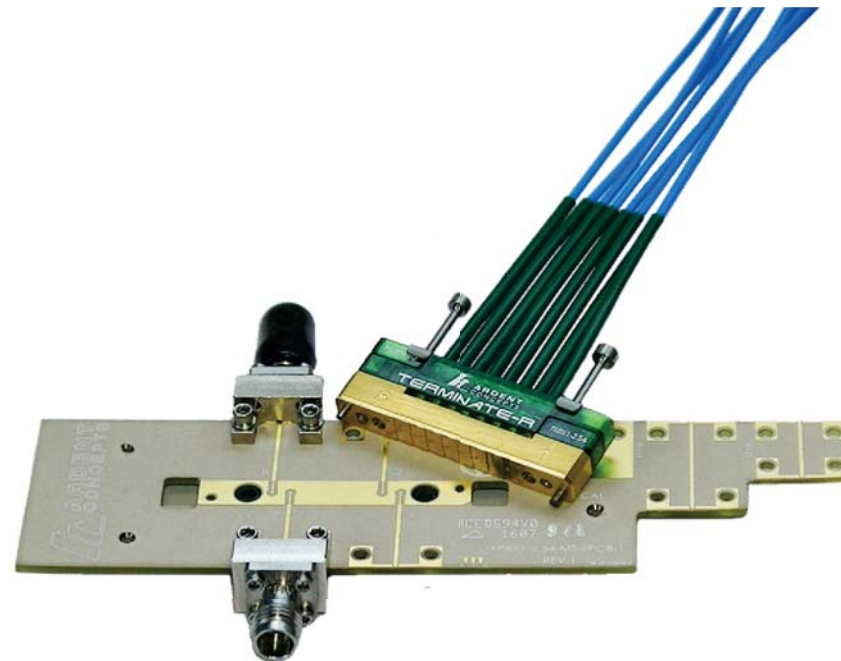


CUSTOMIZED
SOCKETS & CONNECTORS

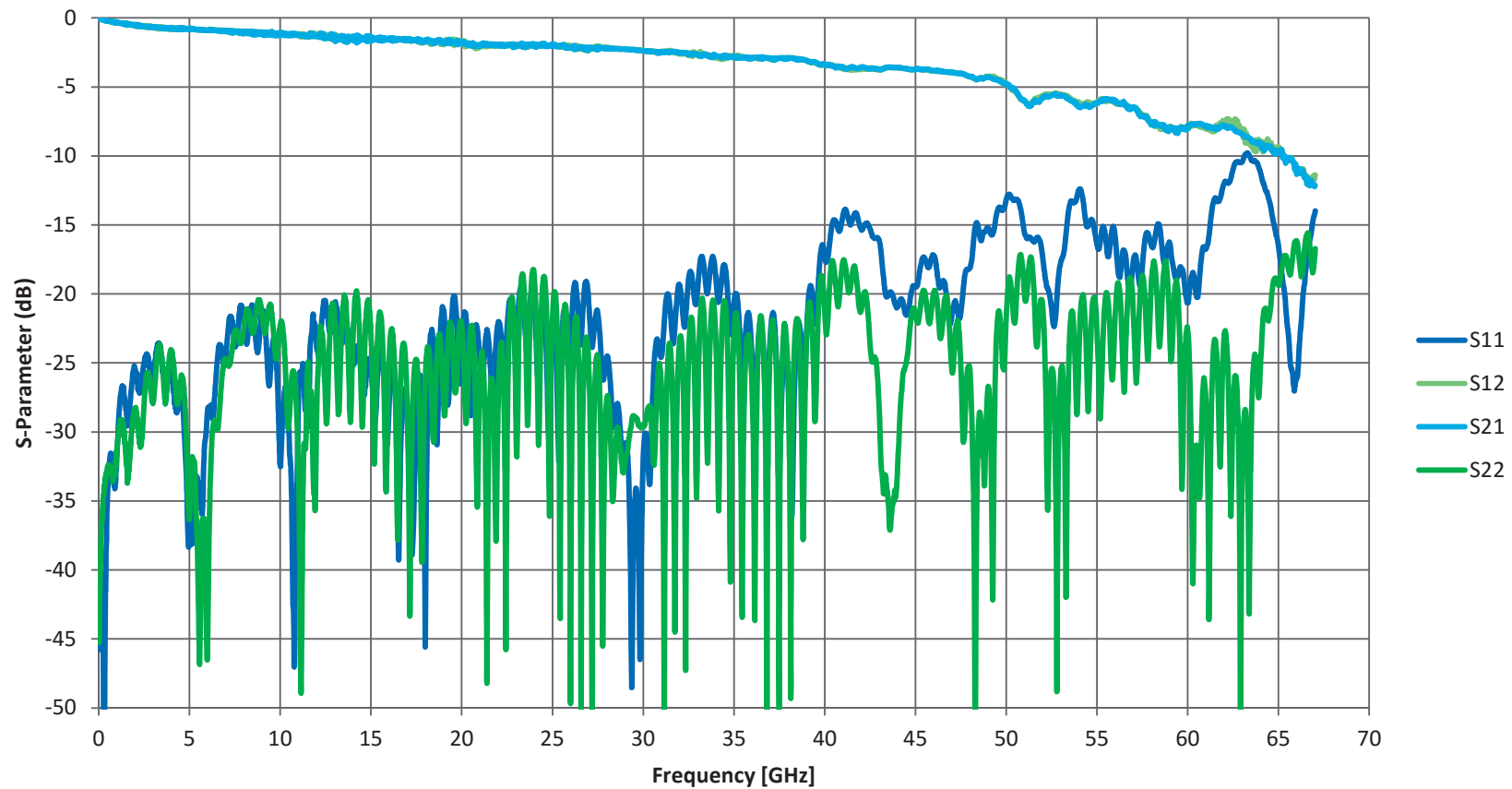
株式会社 エス・イー・アール

Measurement Setup

- ❖ Agilent E8361A PNA
- ❖ Sweep Type: Step
- ❖ Start: 0.0209375 GHz
- ❖ Stop: 67.0209375 GHz
- ❖ Points: 3201
- ❖ IF BW: 500 Hz

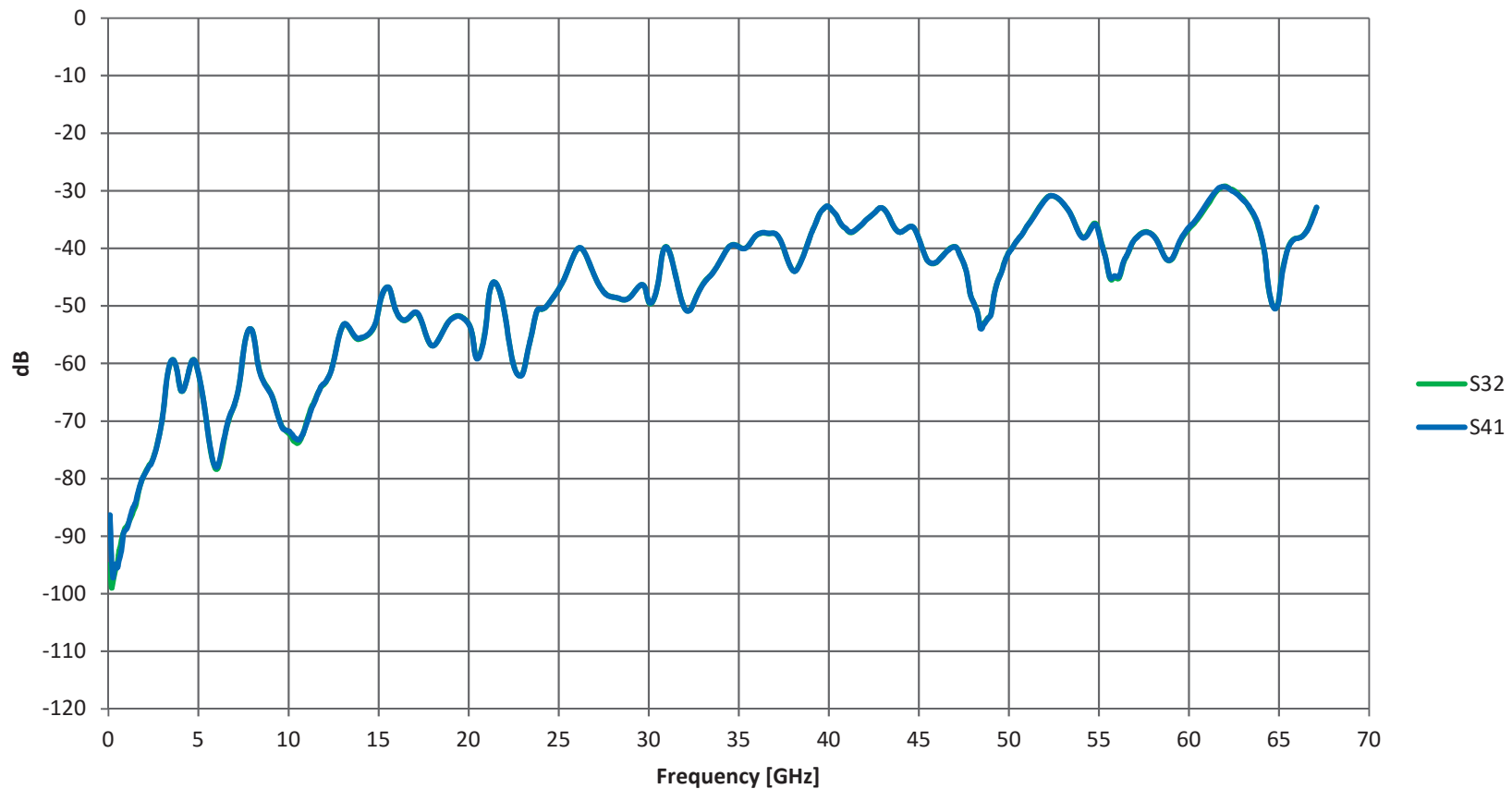


TR Evaluation Board



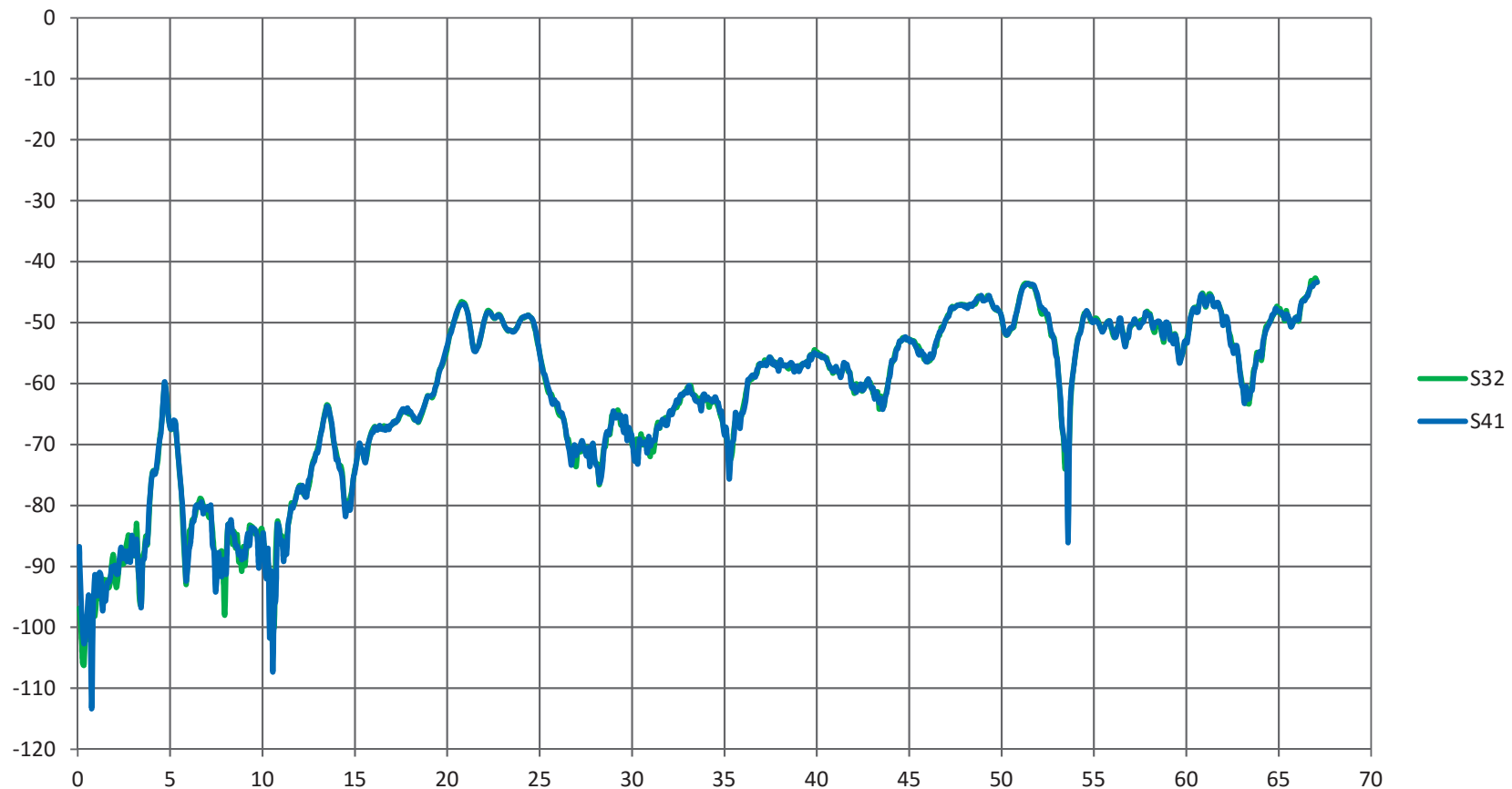
❖ Measurement of TR 06VF assembly on a board with a 0.5 inch microstrip and 1.85 mm end launch.

TR Evaluation Board Isolation with Microstrip 10 mil Substrate



- ❖ Transmission measurement of two microstrip channels spaced 100 mils apart with Rogers 3003 10 mil thickness substrate and ENIG plating. For up to 35 GHz, the victim sees less than 0.01% of the aggressor.

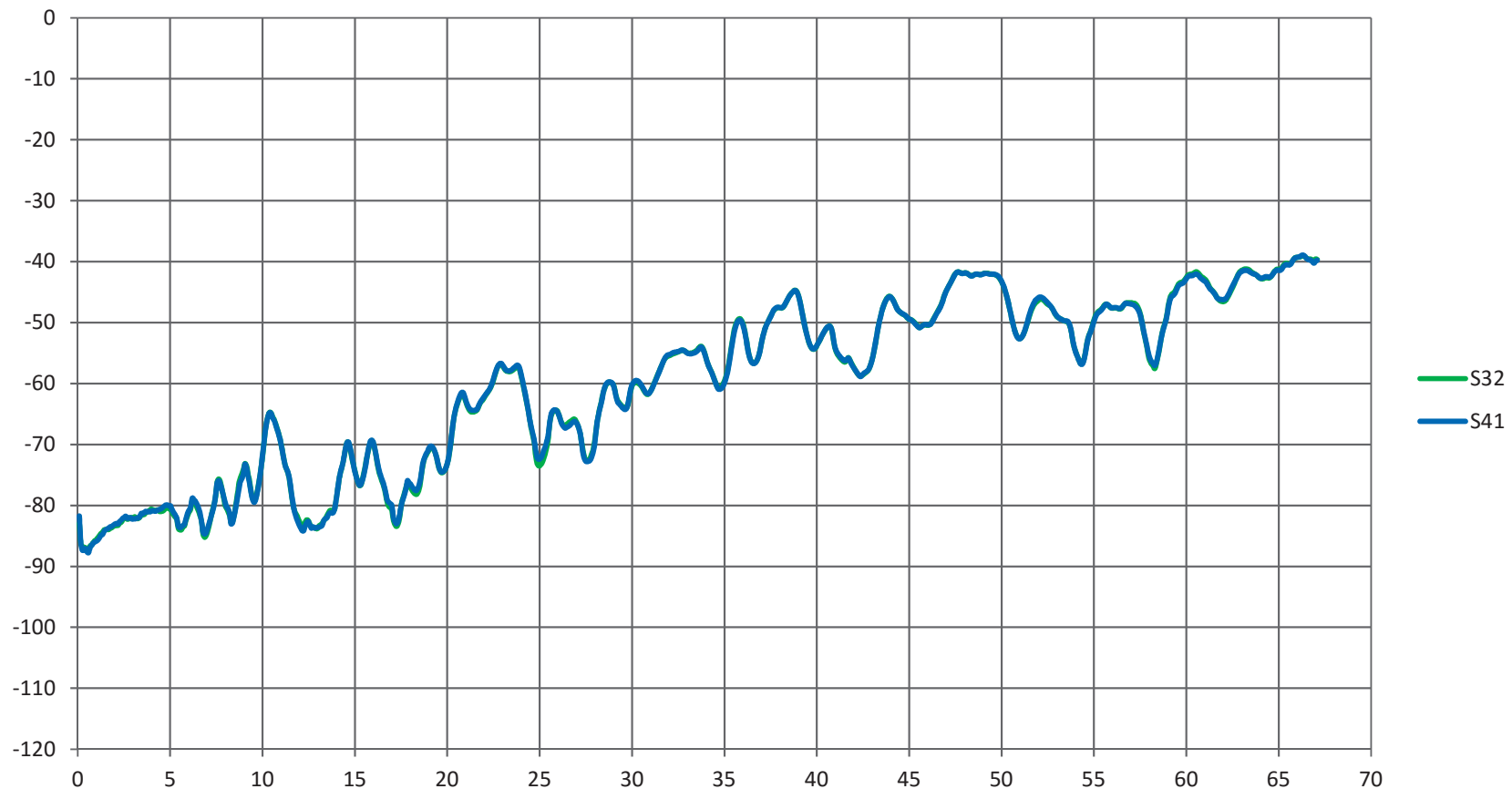
TR Board Isolation with Microstrip 5 mil Substrate



❖ Transmission measurement of two microstrip channels spaced 100 mils apart with Megtron 6 5 mil thickness substrate and IAg plating. For up to 67 GHz, the victim sees less than 0.01% of the aggressor.

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TR Board Isolation with Coplanar Waveguide 5 mil Substrate

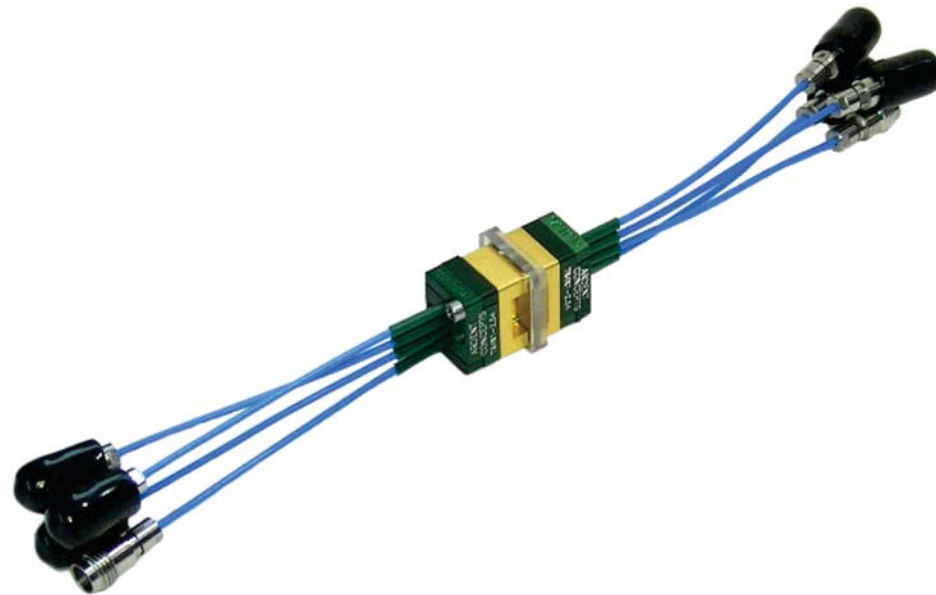


❖ Transmission measurement of two CPW channels spaced 100 mils apart with Megtron 6 5 mil thickness substrate and IAg plating. For up to 35 GHz, the victim sees less than 0.001% of the aggressor.

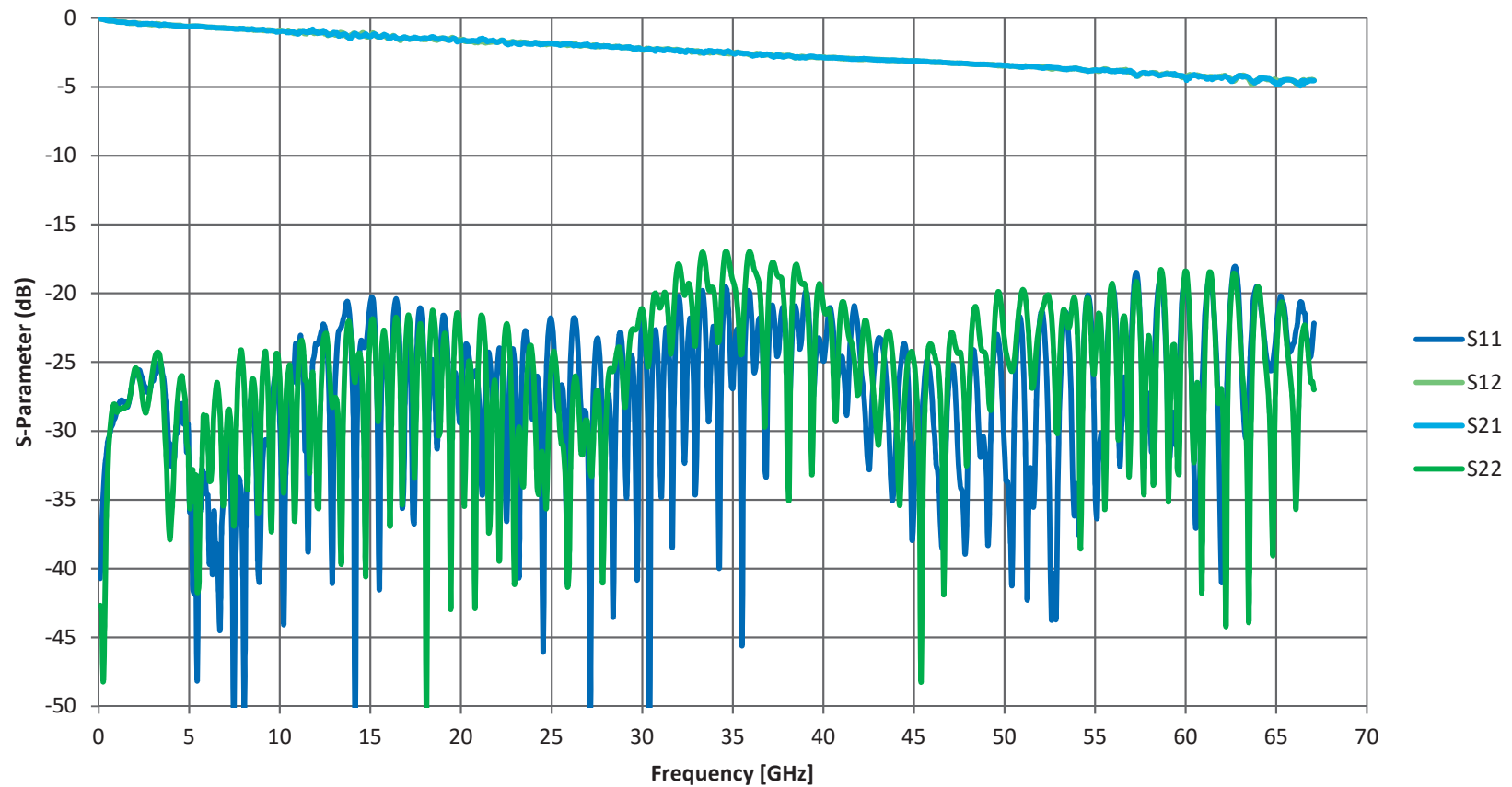
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Measurement Setup

- ❖ Agilent E8361A PNA
- ❖ Sweep Type: Step
- ❖ Start: 0.08375 GHz
- ❖ Stop: 67.08375 GHz
- ❖ Points: 801
- ❖ IF BW: 100 Hz

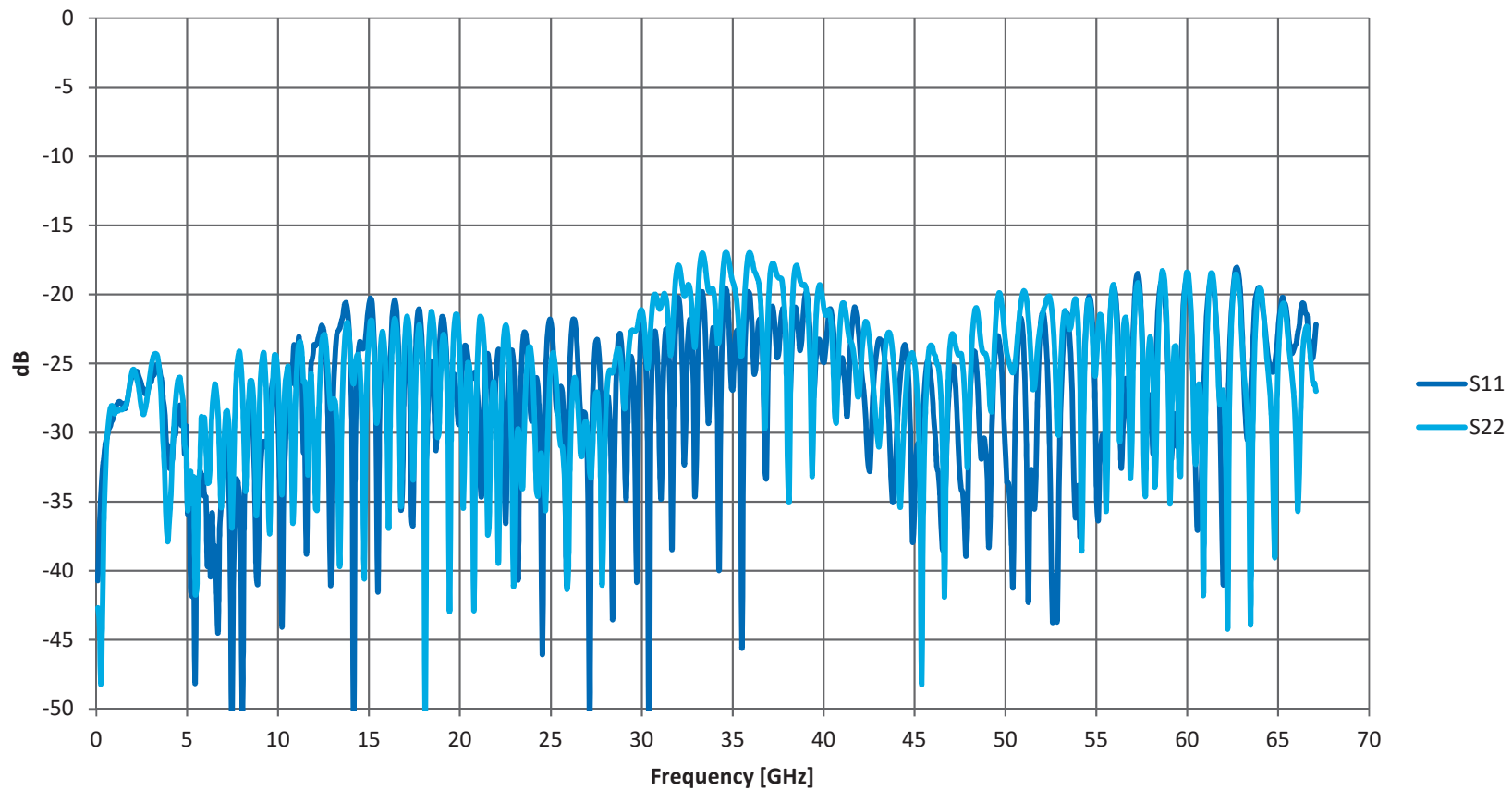


TR Block to Block 03VF



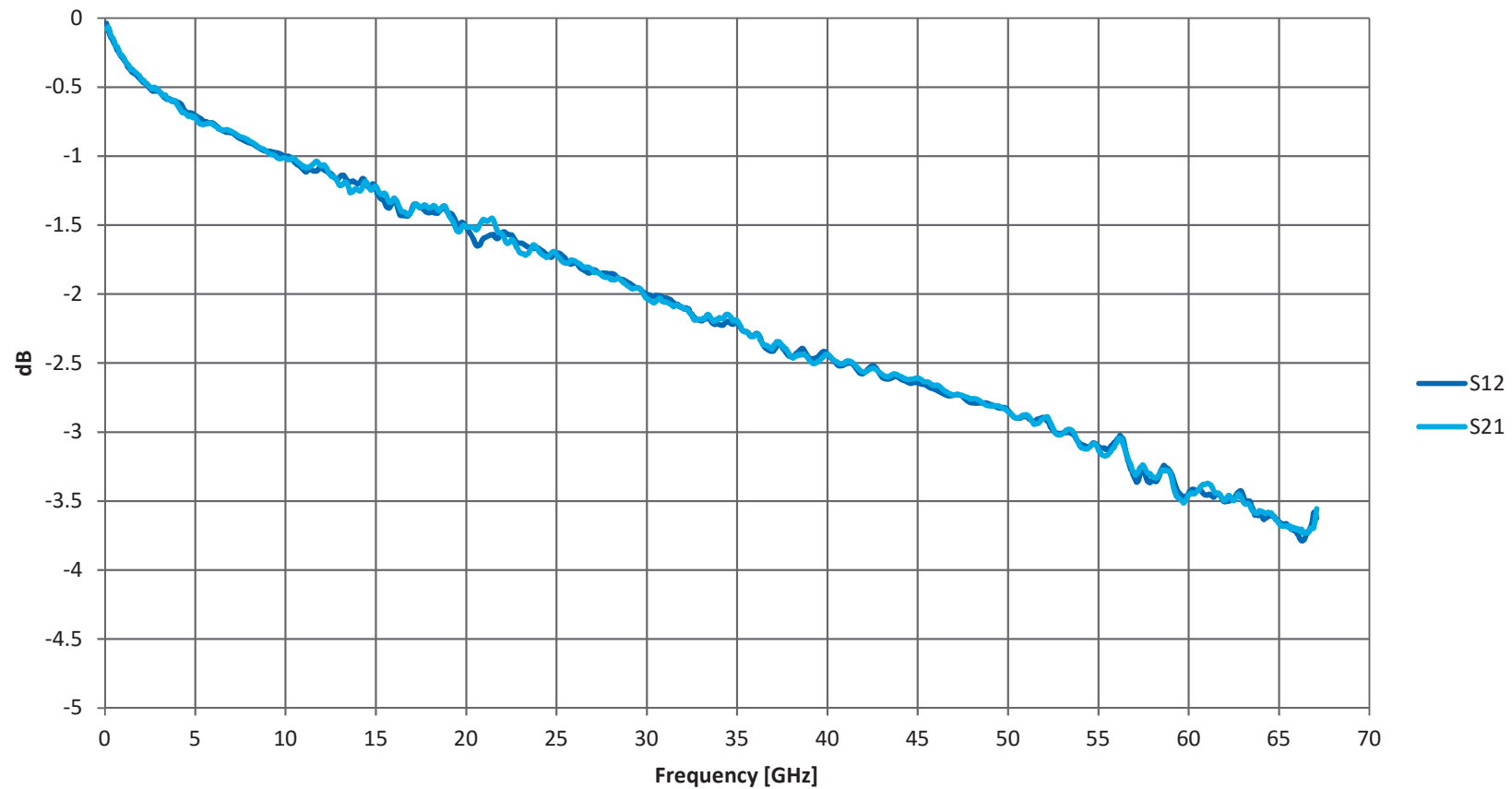
❖ Measurement of the TR interface between two 3 inch V connector assemblies.

Return Loss



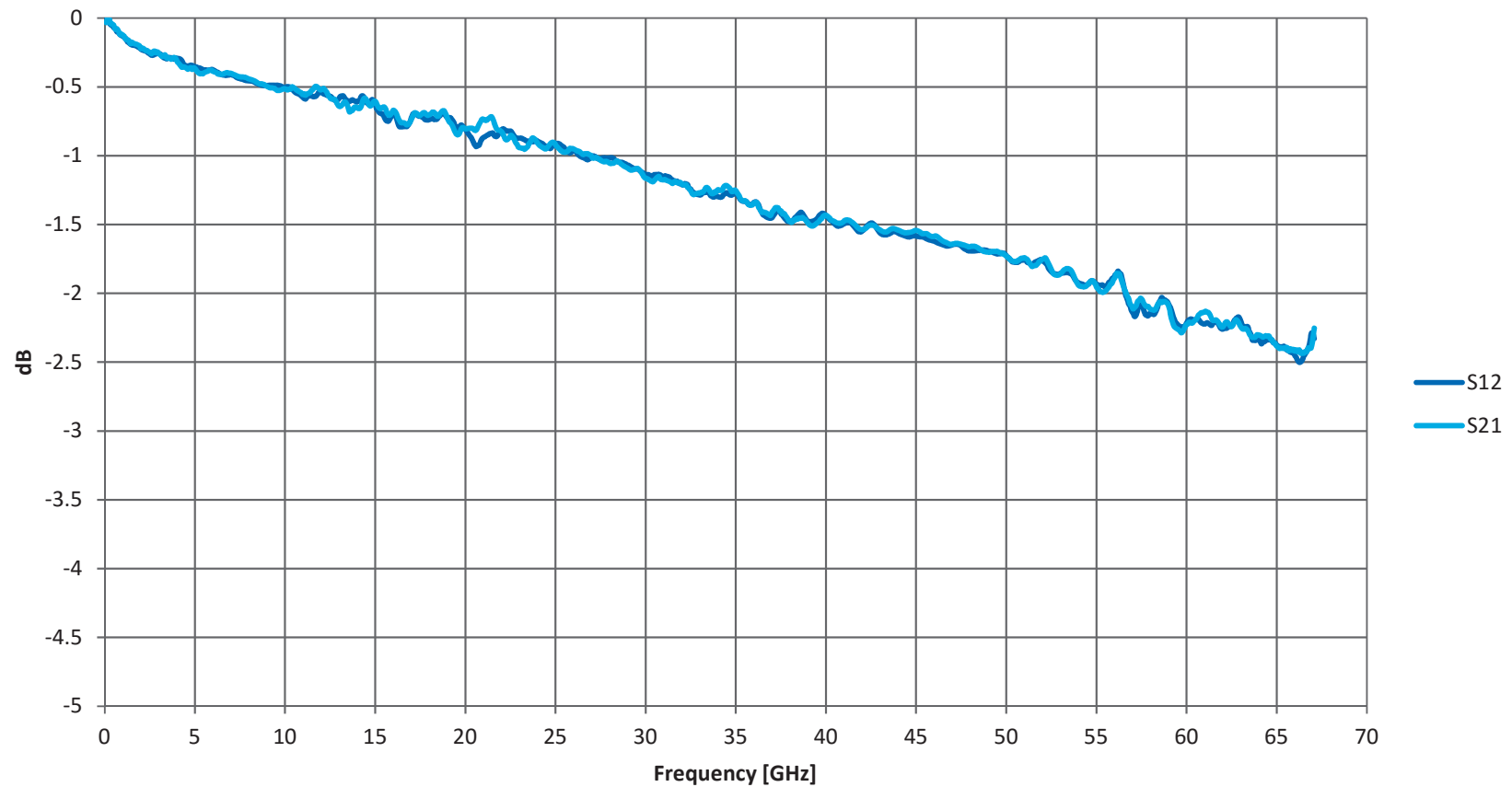
❖ Measurement of the TR interface between two 3 inch V connector assemblies.

Insertion Loss



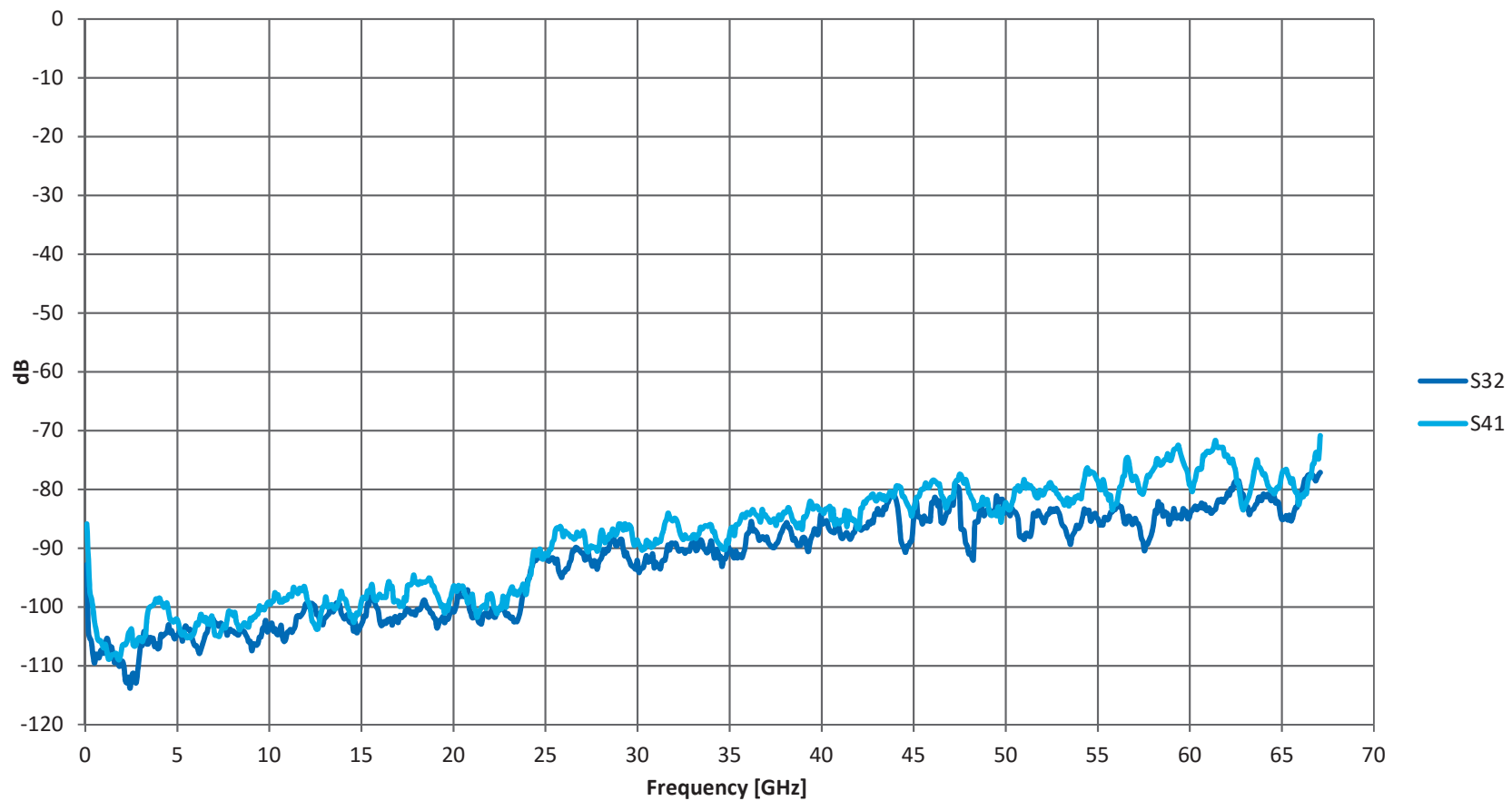
❖ Measurement of the TR interface between two 3 inch V connector assemblies.

Insertion Loss



❖ Measurement of the TR interface and one 3 inch V connector assembly.

Crosstalk (FEXT)



❖ Transmission measurement of two coaxial channels spaced 100 mils apart.