



**SUMMARY TEST DATA
ON
P8T-100M40G-85-T-512-292FF-
ROHS**

PL21892/1748

Customer:	_____	Tested By:	<u>A. Lopez</u>
SO No:	_____	Temperature:	<u>+25°C</u>
Model No:	<u>P8T-100M40G-85-T-512-292FF-ROHS</u>	Date:	<u>12/12/17</u>
Serial No:	<u>PL21892/1748</u>	Drawing No:	<u>27633460</u> Rev: <u>A1</u>

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.1GHz to 40GHz	0.1GHz to 40GHz (See Plots)	PMI QA 2
2	Insertion Loss:	10dB Max. 6dB Typ. (0.1 to 18 GHz) 7dB Typ. (18 to 26.5 GHz) 9.5dB Typ. (26.5 to 40 GHz).	(0.1 to 18 GHz) 4.74 dB (18 to 26.5 GHz) 5.80 dB (26.5 to 40 GHz) 8.32 dB (See Plots)	
3	Isolation:	90dB Min (0.1 to 18 GHz) 80dB Min (18 to 26.5 GHz) 70dB Min (26.5 to 40 GHz)	(0.1 to 18 GHz) 90.84 dB (18 to 26.5 GHz) 90.84 dB (26.5 to 40 GHz) 79.59 dB (See Plots)	
4	VSWR:	2.5:1 Typ.	Input 2.60 : 1 Output 2.60 : 1 (See Plots)	
5	Operating Input Power:	+20dBm CW Max	Pass See Typical Characteristics	
6	Switching Speed:	100ns Max	Pass See Typical Characteristics	
7	Control TTL	Logic "0" = Insertion Loss Logic "1" = Isolation	Pass	
8	Power Supply:	+5VDC @ 180mA -12VDC @ 65mA	+5VDC @ 161mA -12VDC @ 65mA	PMI QA 2

QA/QC Approval: Date: 12/13/17

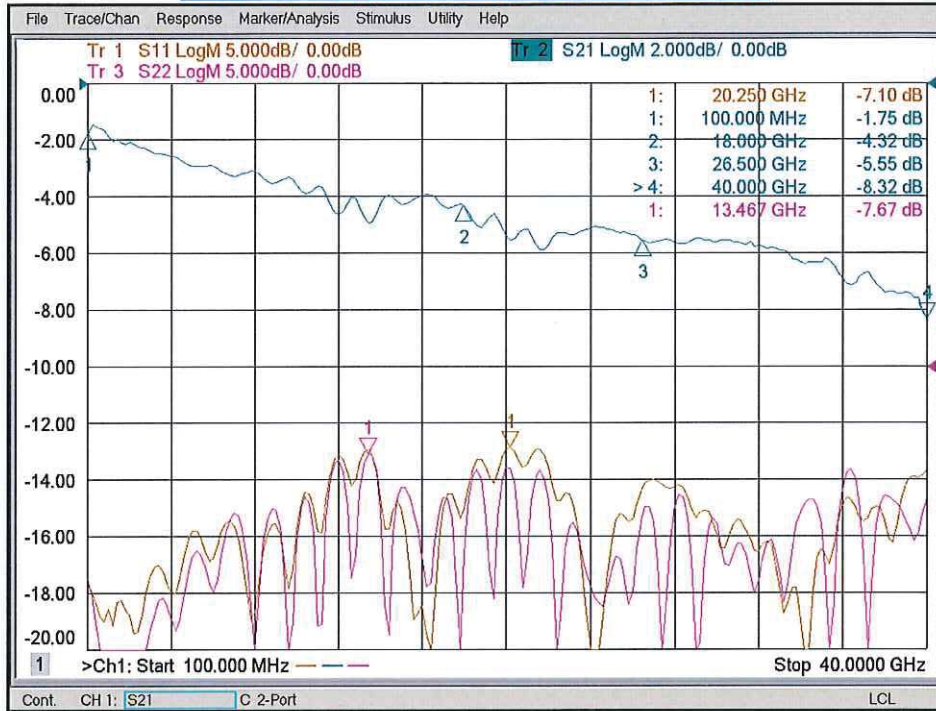
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com



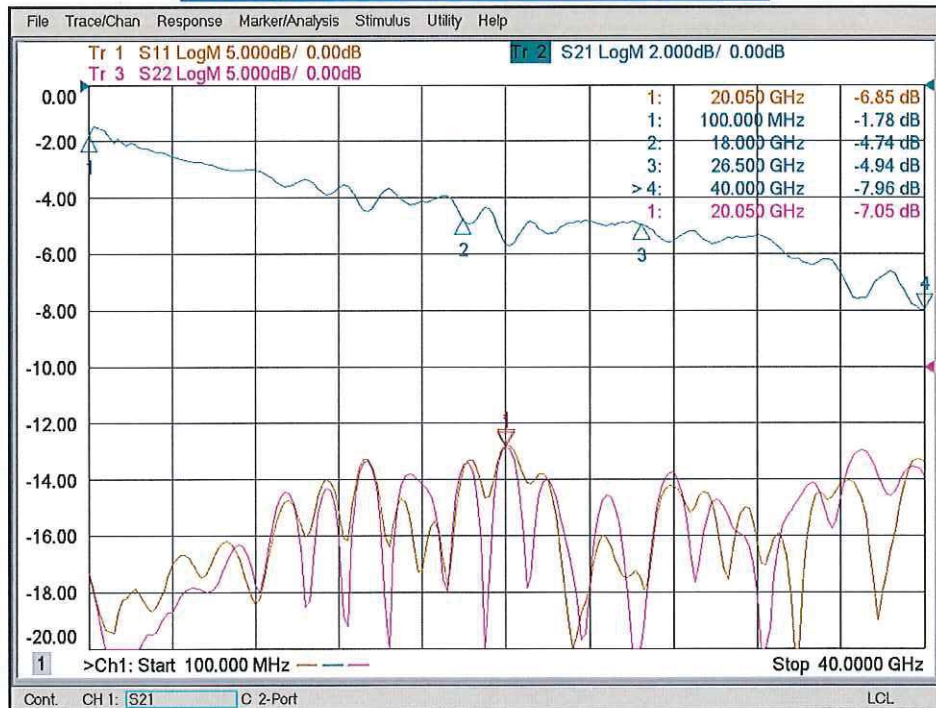
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(J1-J2) Insertion Loss and Return Loss



(J1-J3) Insertion Loss and Return Loss

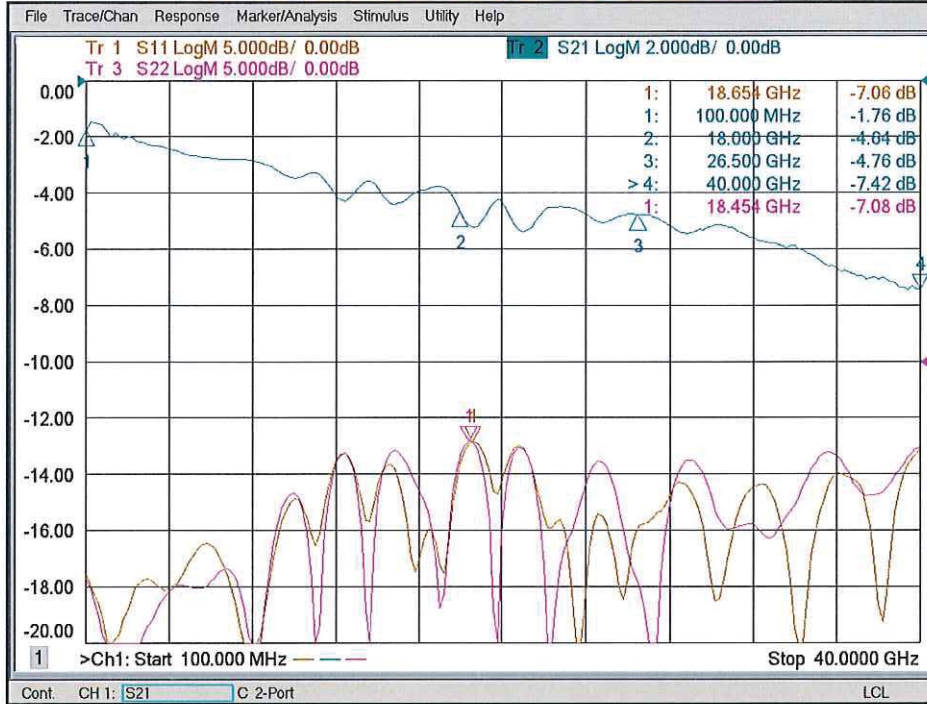




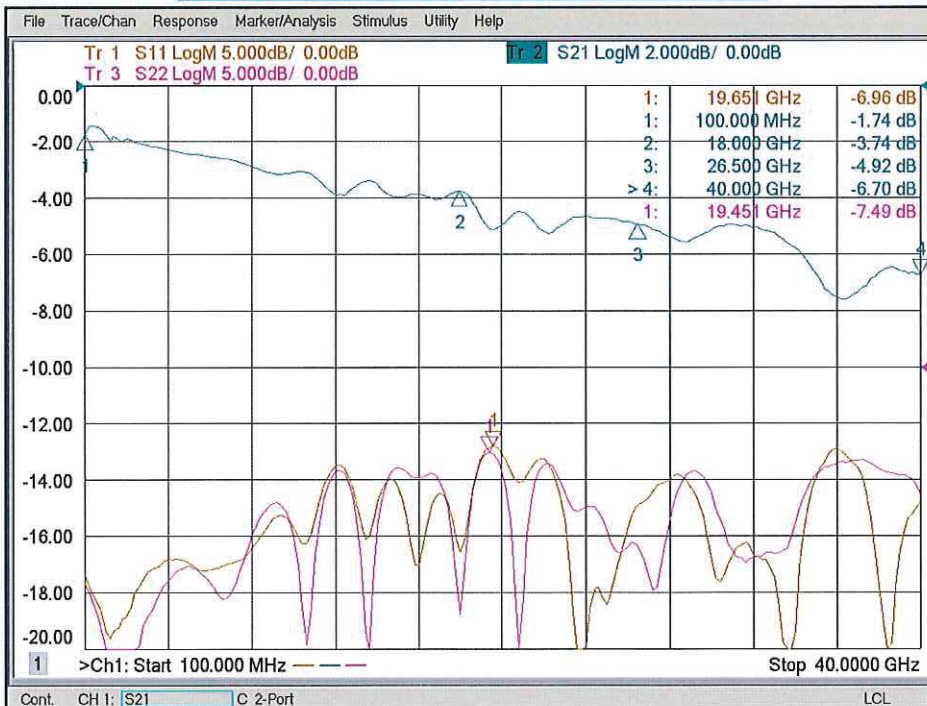
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(J1-J4) Insertion Loss and Return Loss



(J1-J5) Insertion Loss and Return Loss

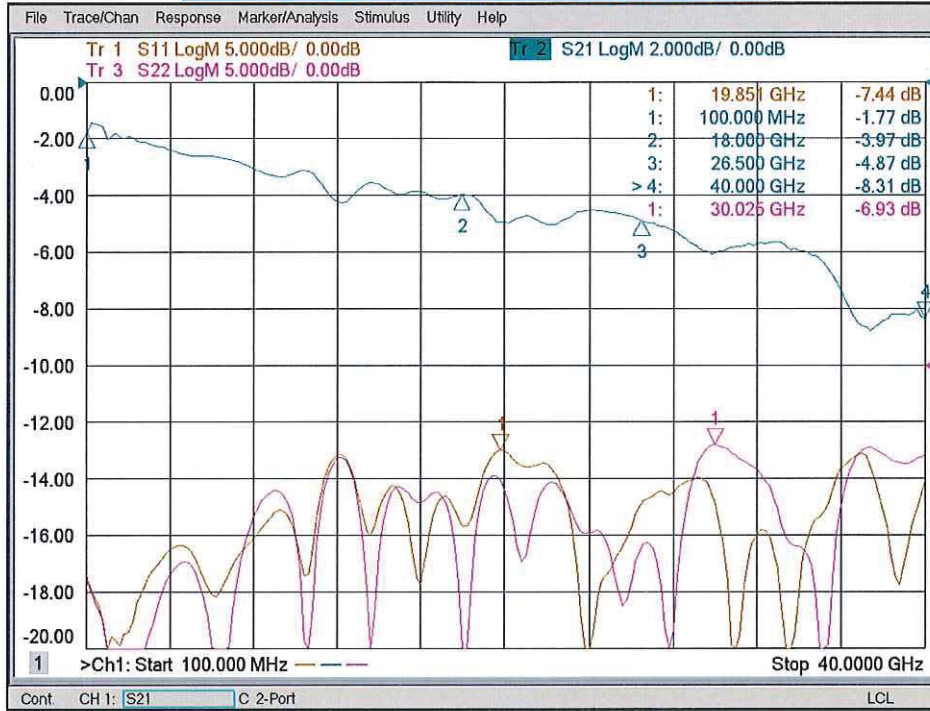




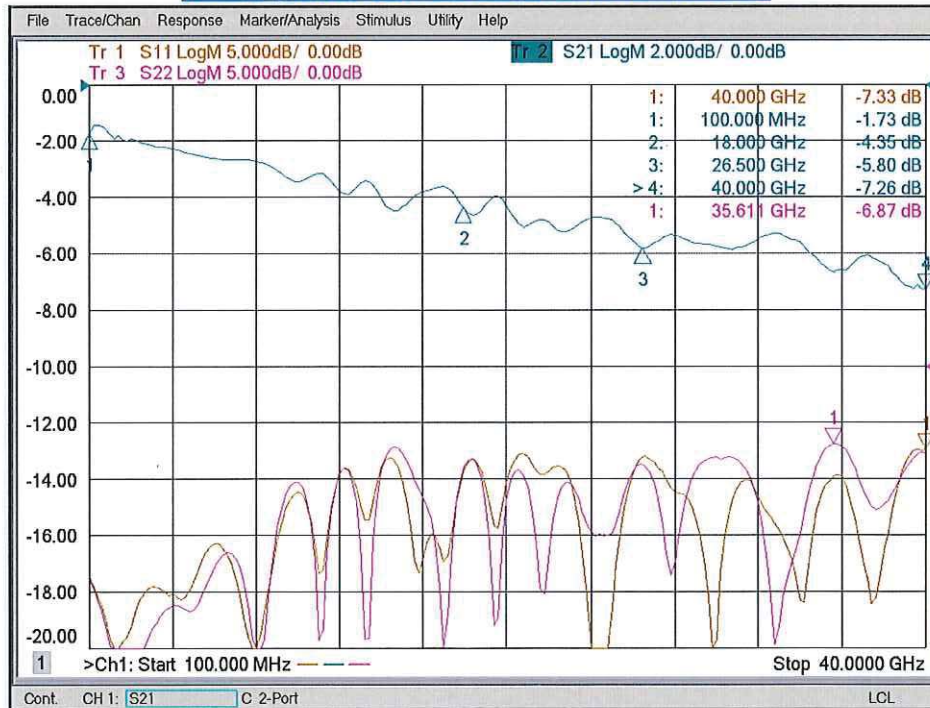
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(J1-J6) Insertion Loss and Return Loss



(J1-J7) Insertion Loss and Return Loss

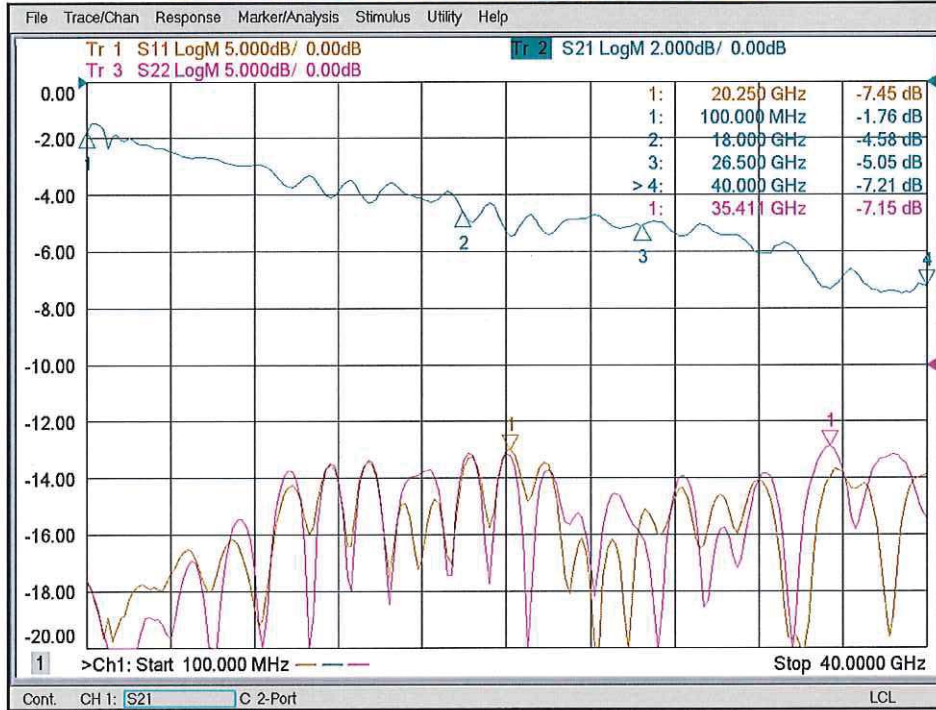




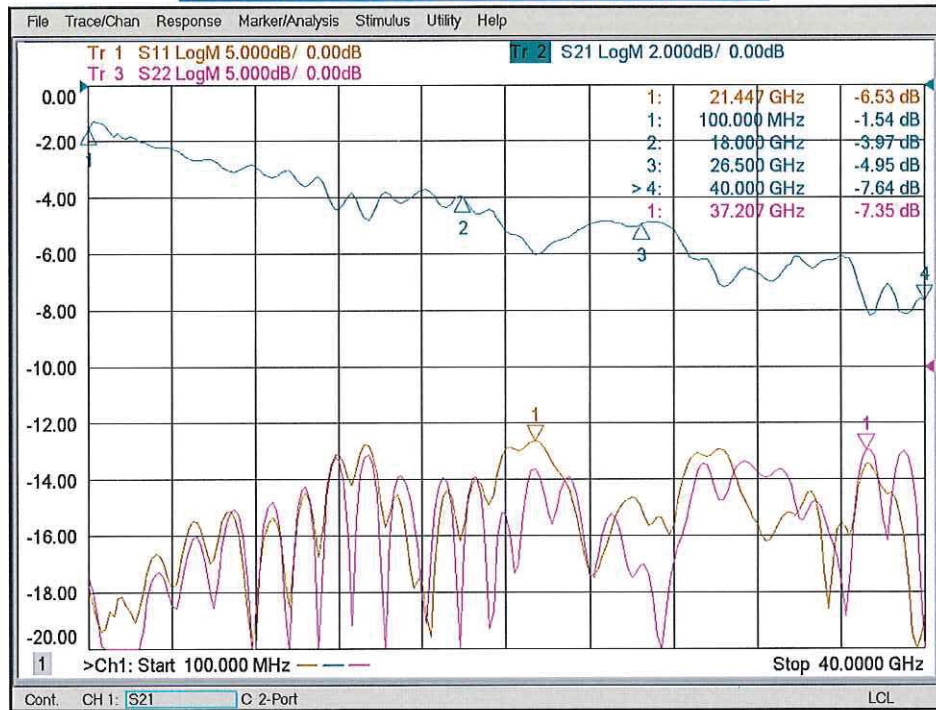
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(J1-J8) Insertion Loss and Return Loss



(J1-J9) Insertion Loss and Return Loss

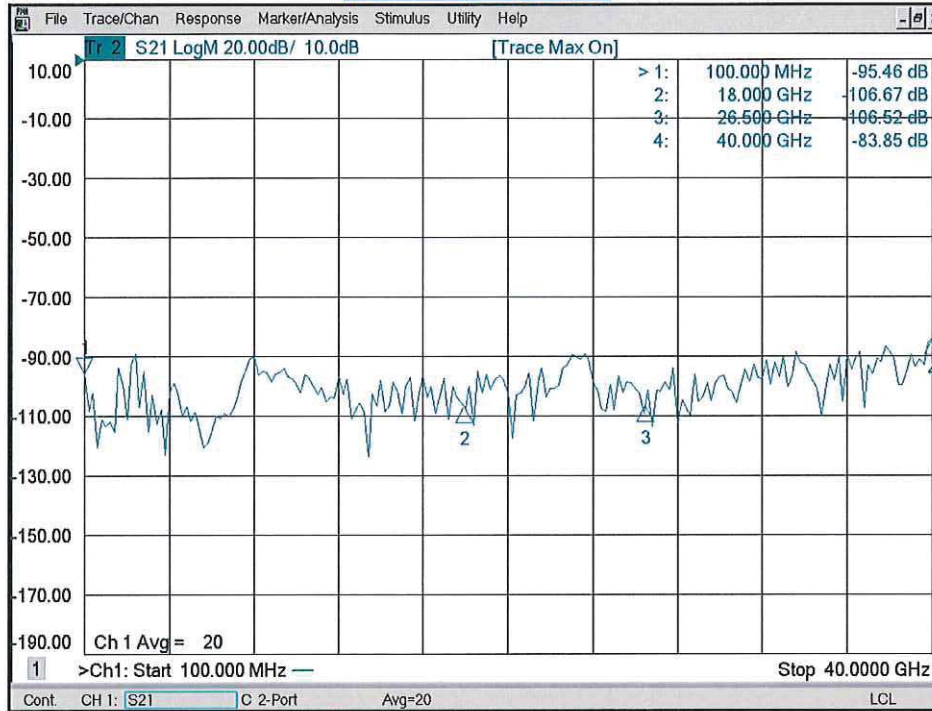




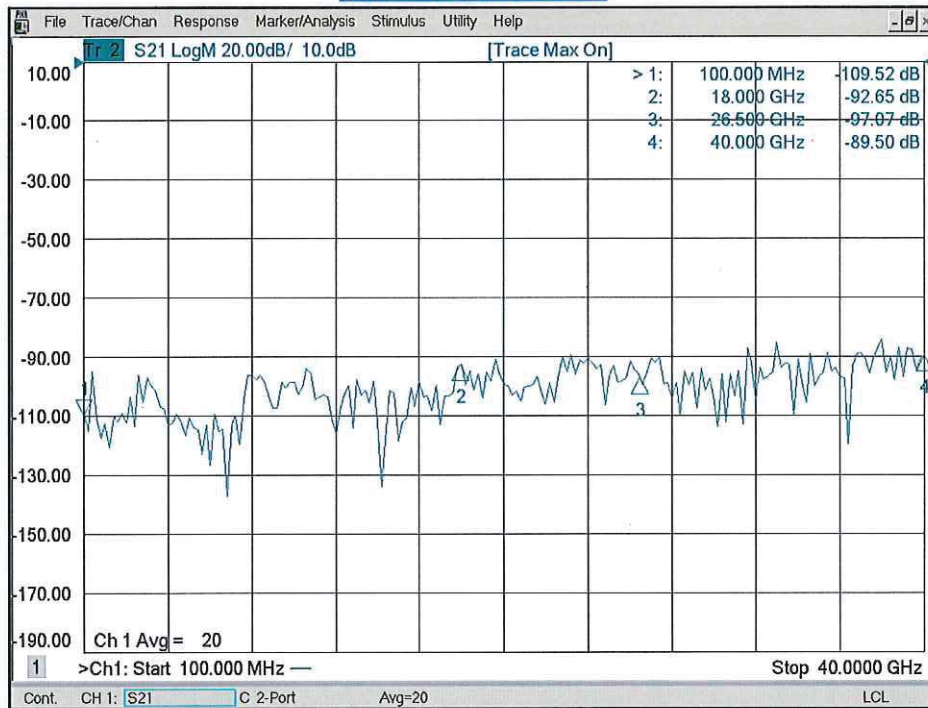
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(J1 – J2) Isolation



(J1 – J3) Isolation

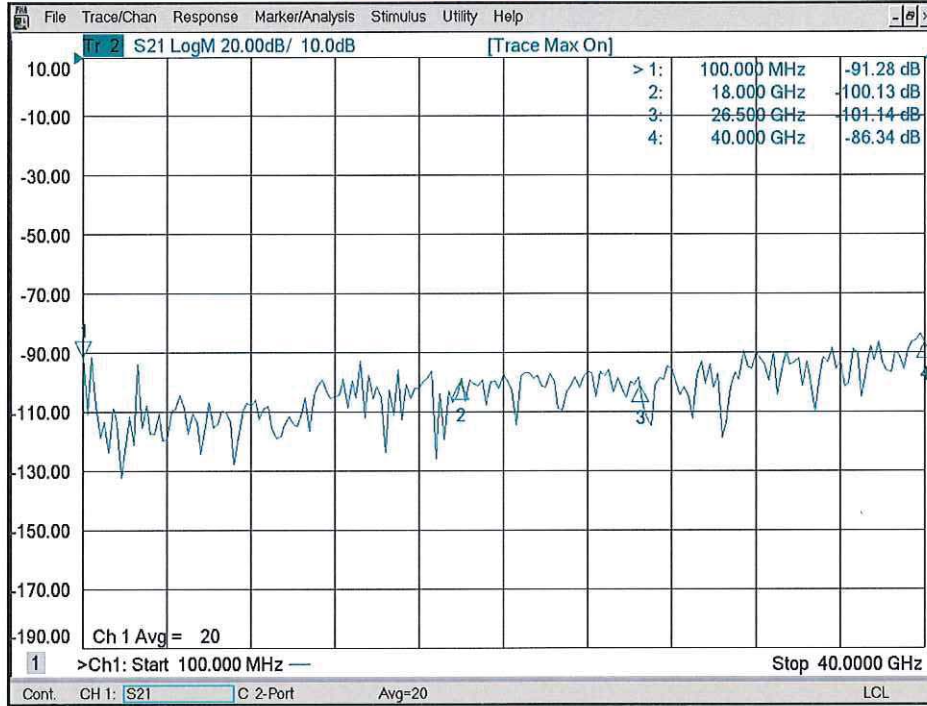




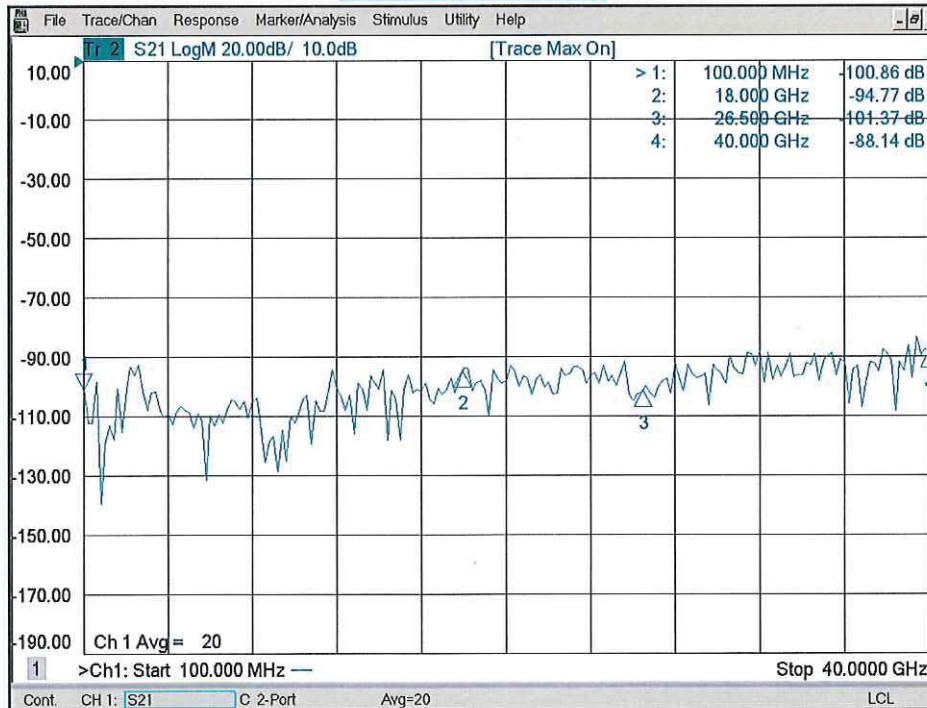
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(J1 – J4) Isolation



(J1 – J5) Isolation

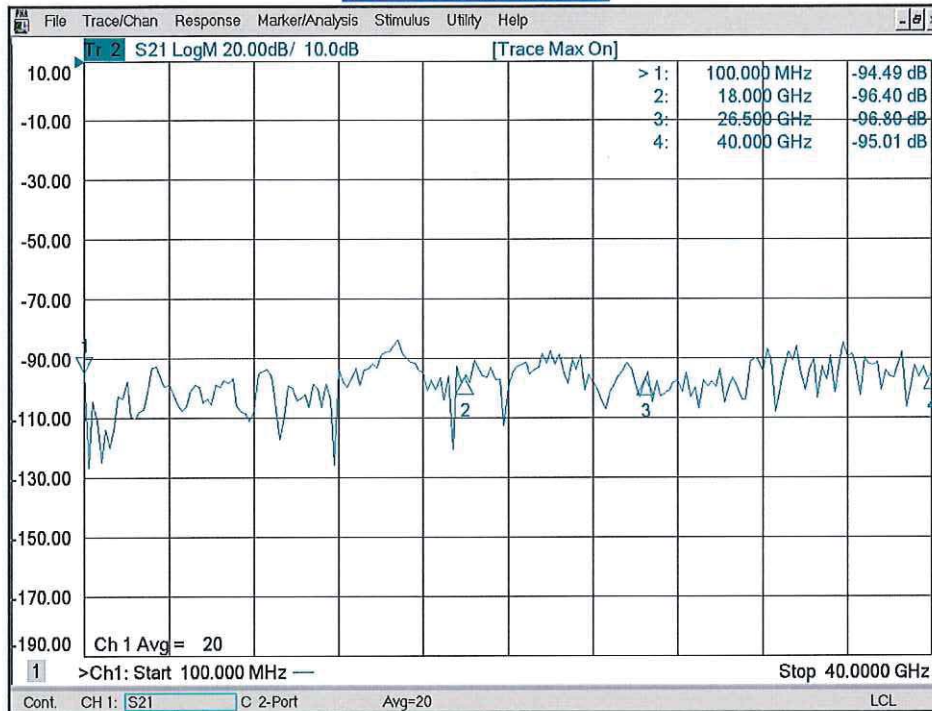




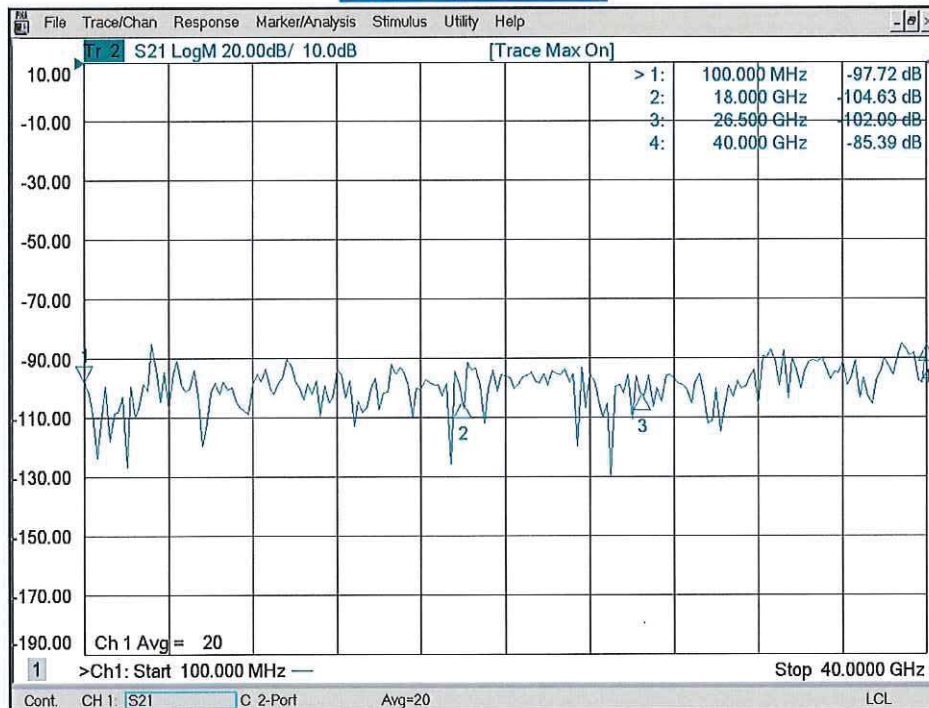
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(J1 – J6) Isolation



(J1 – J7) Isolation

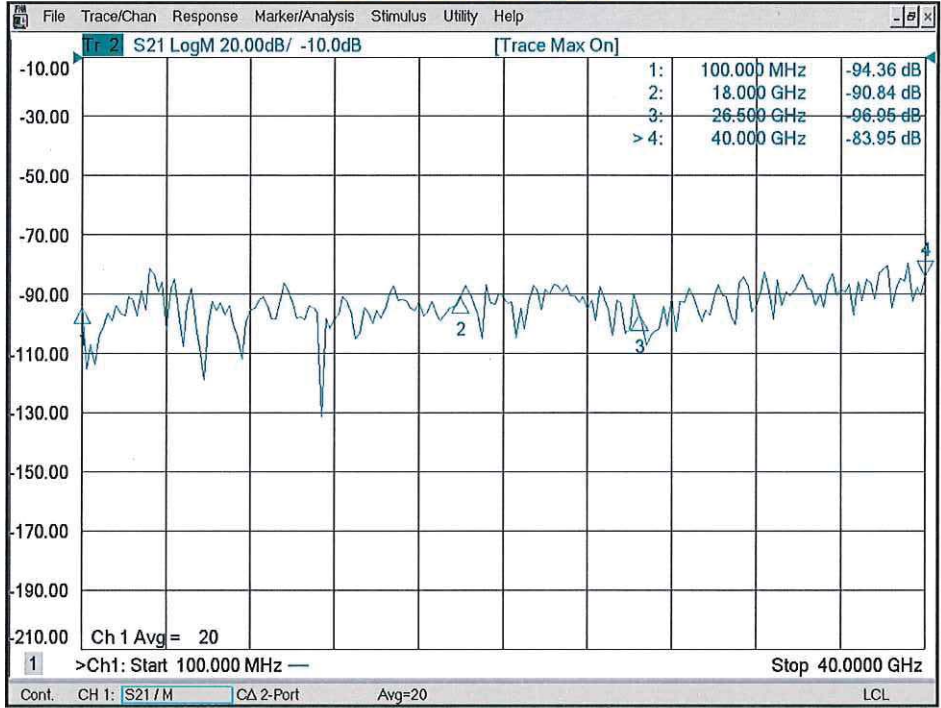




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(J1 – J8) Isolation



(J1 – J9) Isolation

