



**SUMMARY TEST DATA  
ON  
P8T-0R5G18G-70-T-SFF**

PL21685/1739

Customer: _____	Tested By: <u>Jerry N.</u>
SO No: _____	Temperature: <u>+25°C</u>
Model No: <u>P8T-0R5G18G-70-T-SFF</u>	Date: <u>03/09/18</u>
Serial No: <u>PL21685/1739</u>	Drawing No: <u>27614421</u> Rev: <u>A1</u>

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC																																													
1	Frequency Range	0.5 GHz to 18.0 GHz	0.5 GHz to 18.0 GHz	PMI QA1																																													
2	Insertion Loss	4.5 dB Maximum	4.01 dB (See Plot)																																														
3	Isolation	0.5 GHz TO 2 GHz: 60 dB Min 2 GHz TO 18 GHz: 70 dB Min	78.20 dB (0.5-2 GHz) 70.96 dB(2-18 GHz)																																														
4	VSWR	In/Out                    2.0:1 Typ. Terminated Out:       2.0:1 Typ.	1.96 :1 1.99 :1 (See Plot)																																														
5	Rise/Fall Time	10 nsec Typ. 15 nsec Max.	< 1 ns. See Typical Characteristics																																														
6	Delay On/Off	+5 V @ 100 mA Maximum -15 V @ 75 mA Maximum	24 ns. See Typical Characteristics																																														
7	DC Supply	+5 VDC @ 400 mA Max. -5 VDC @ 100 mA Max.	70 mA 20 mA																																														
8	Control Signal	LOGIC TABLE 3 BIT DECODER <table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;">E1</td> <td style="text-align: center;">E2</td> <td style="text-align: center;">E3</td> <td style="text-align: left;">FUNCTION</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td></td> <td>J1 – J2 "Low Loss"</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td></td> <td>J1 – J3 "Low Loss"</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td></td> <td>J1 – J4 "Low Loss"</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td></td> <td>J1 – J5 "Low Loss"</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td></td> <td>J1 – J6 "Low Loss"</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td></td> <td>J1 – J7 "Low Loss"</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td></td> <td>J1 – J8 "Low Loss"</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td></td> <td>J1 – J9 "Low Loss"</td> </tr> </table>			E1	E2	E3	FUNCTION	0	0	0		J1 – J2 "Low Loss"	0	0	1		J1 – J3 "Low Loss"	0	1	0		J1 – J4 "Low Loss"	0	1	1		J1 – J5 "Low Loss"	1	0	0		J1 – J6 "Low Loss"	1	0	1		J1 – J7 "Low Loss"	1	1	0		J1 – J8 "Low Loss"	1	1	1		J1 – J9 "Low Loss"	Pass
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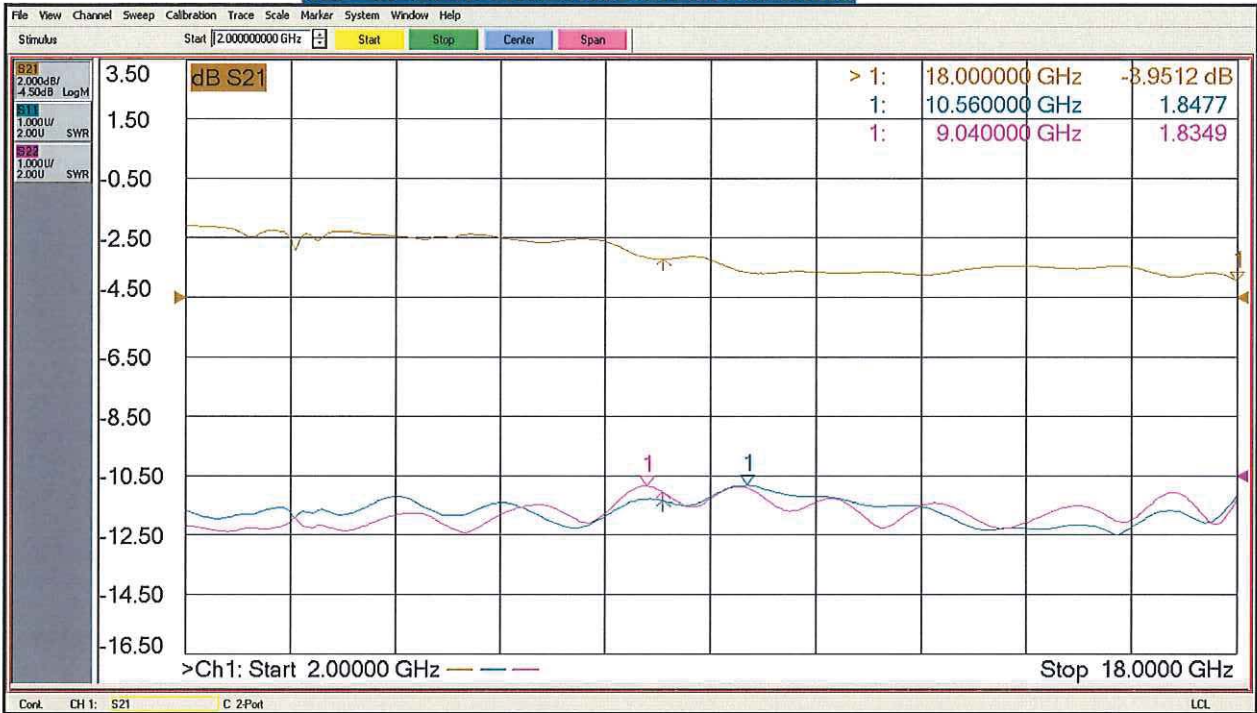
QA/QC Approval:  PMI QA1 Date: 3/12/18



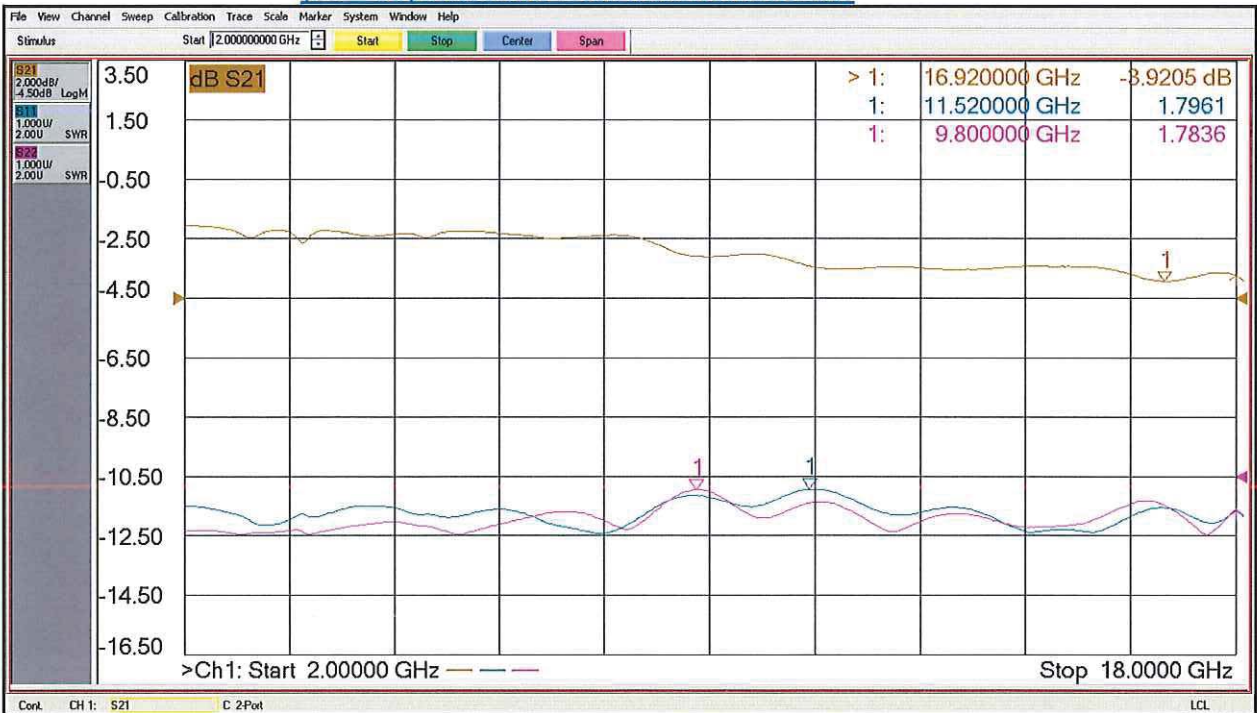
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**(J1 – J2) Insertion Loss and Return Loss**



**(J1 – J3) Insertion Loss and Return Loss**



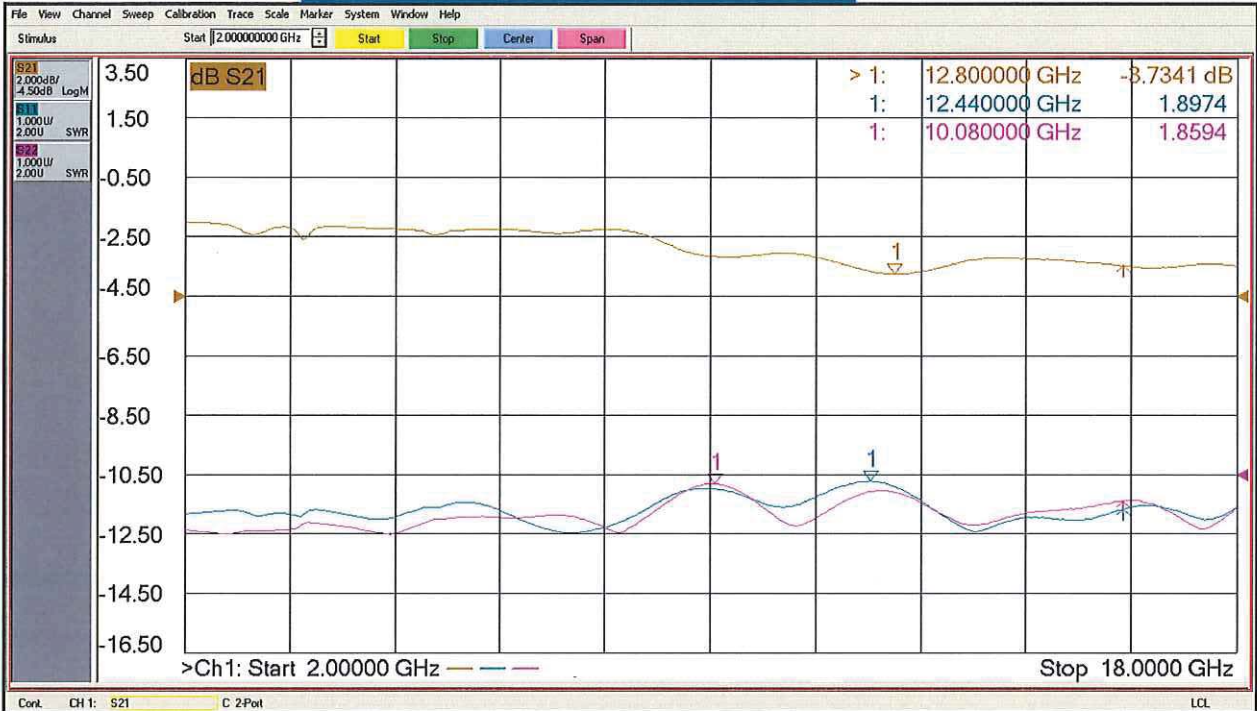




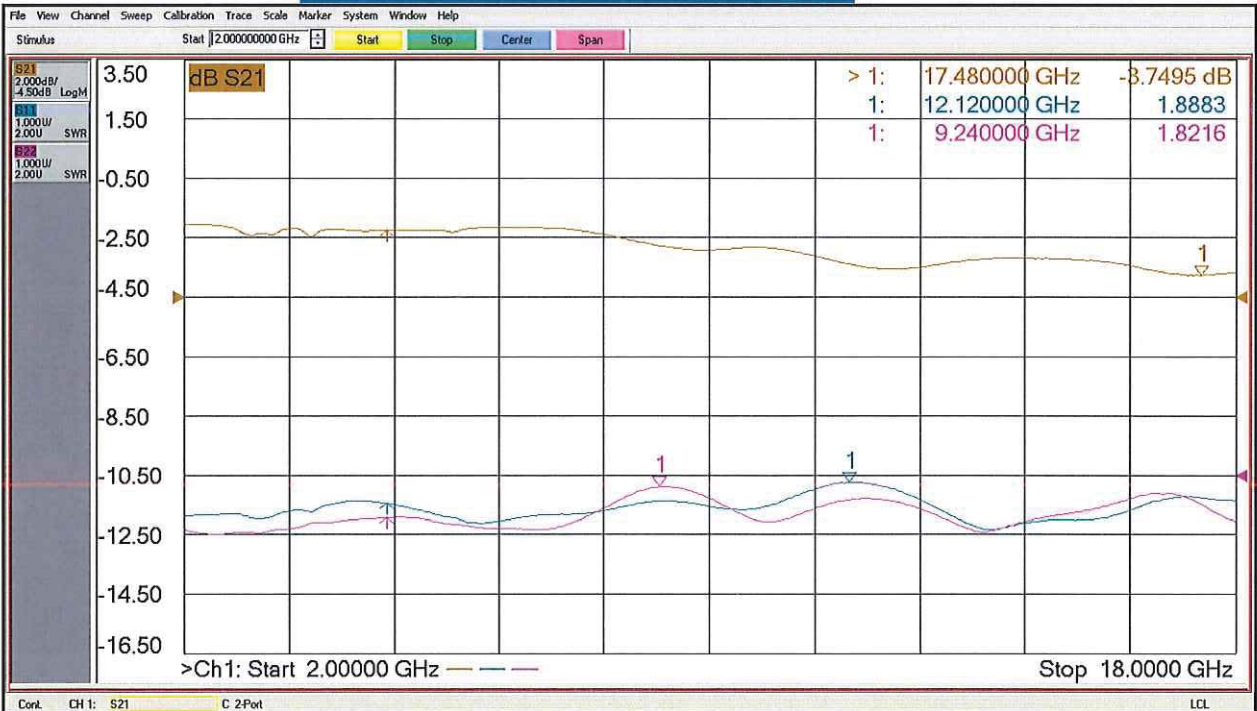
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**(J1 – J4) Insertion Loss and Return Loss**



**(J1 – J5) Insertion Loss and Return Loss**

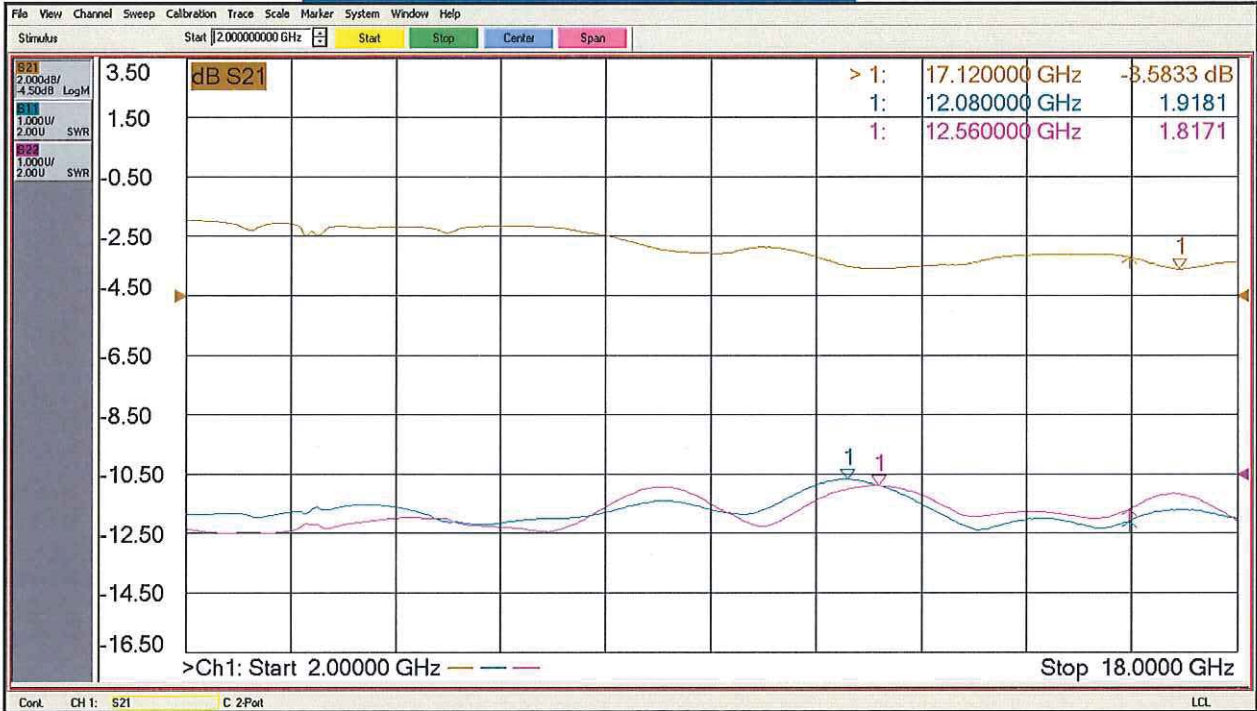




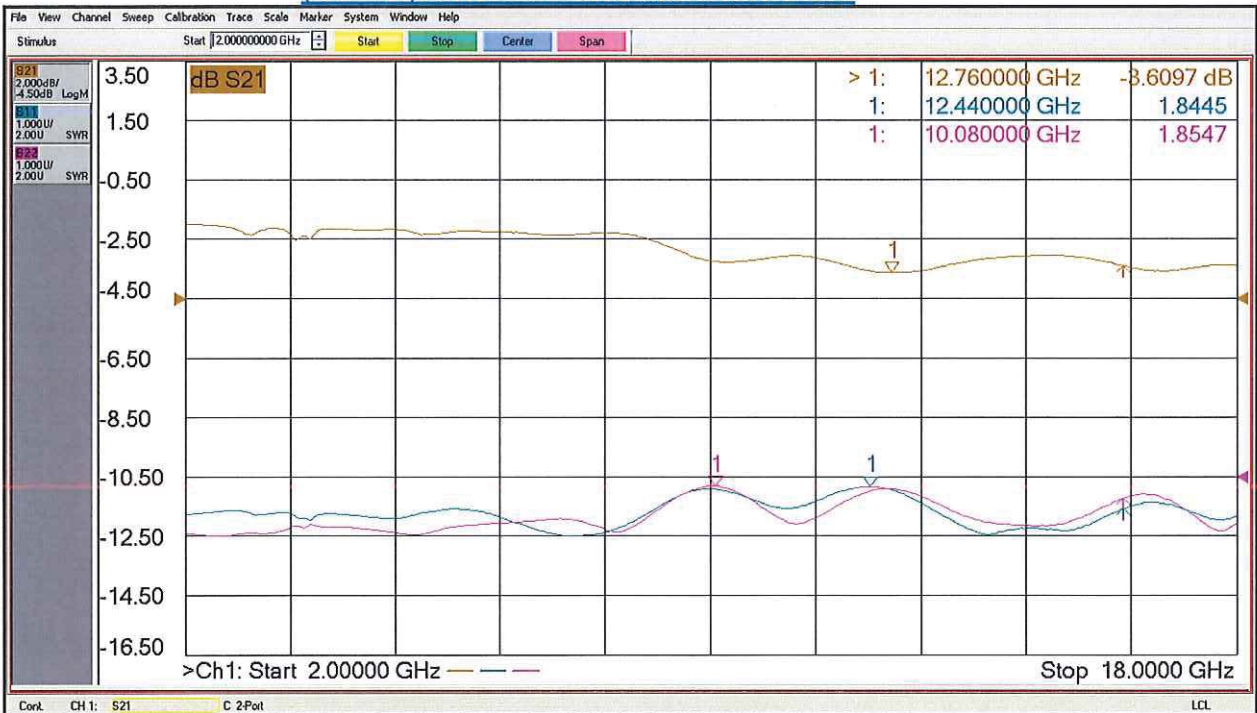
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## (J1 - J6) Insertion Loss and Return Loss



## (J1 - J7) Insertion Loss and Return Loss



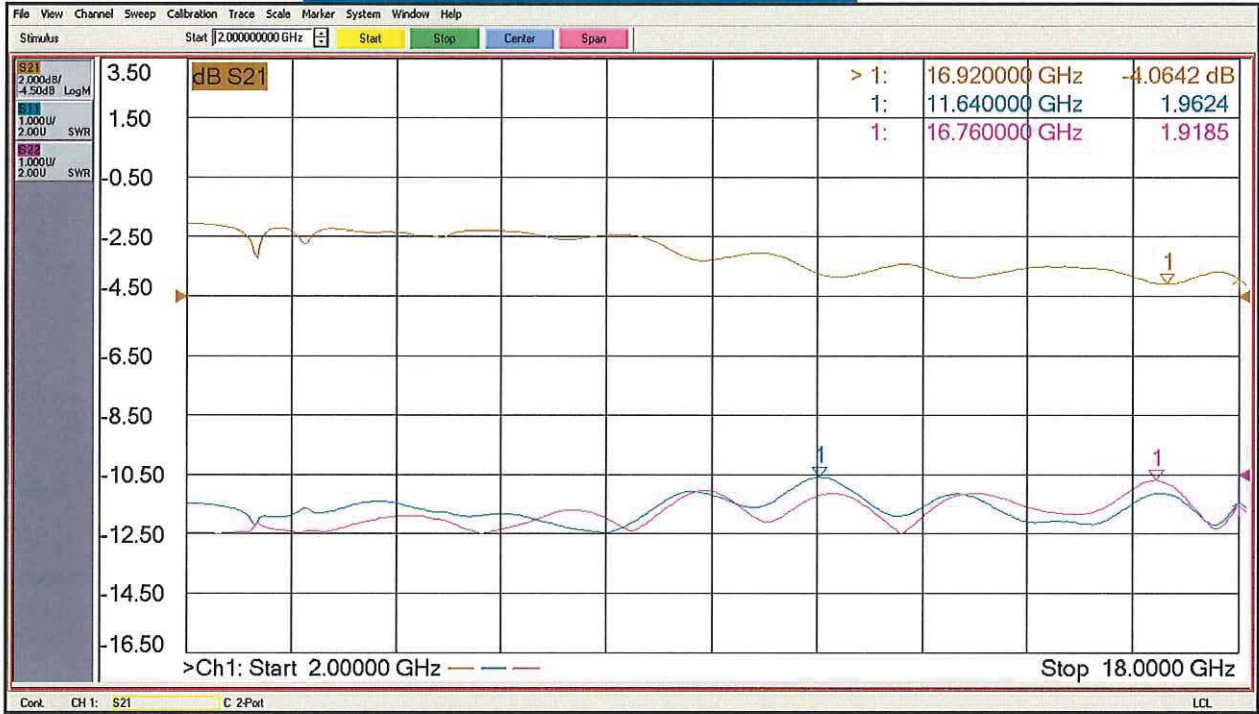




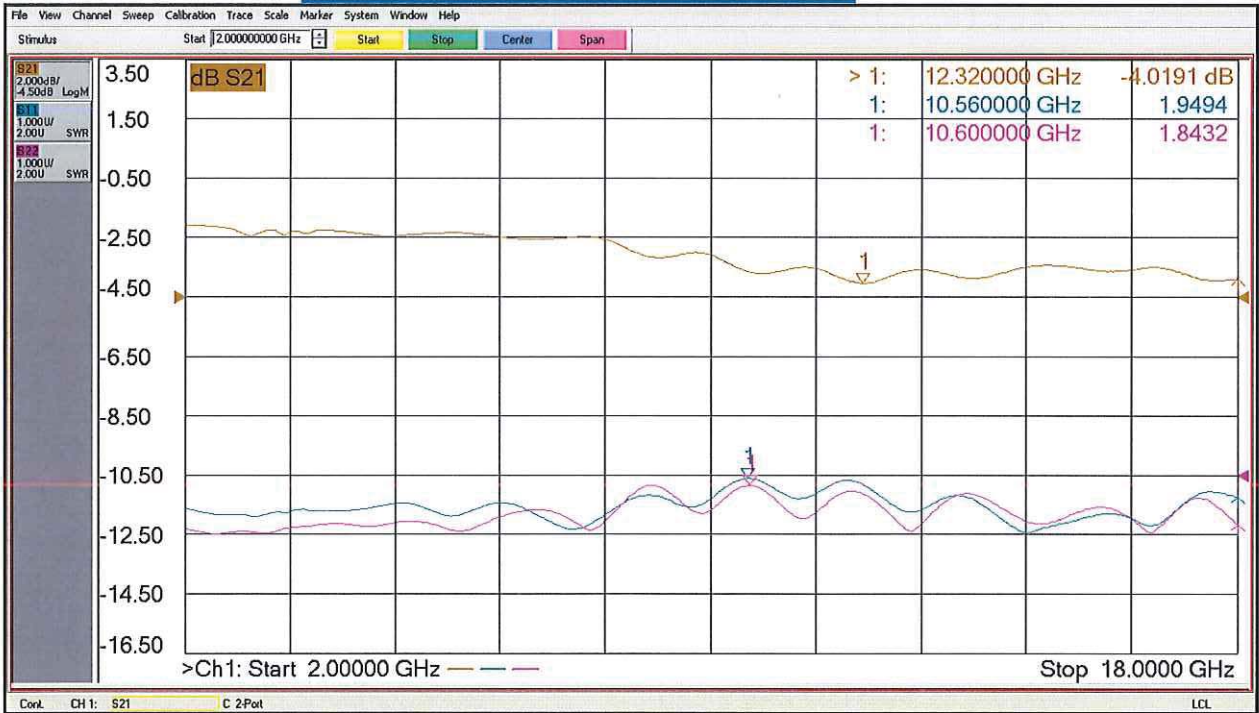
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**(J1 – J8) Insertion Loss and Return Loss**



**(J1 – J9) Insertion Loss and Return Loss**

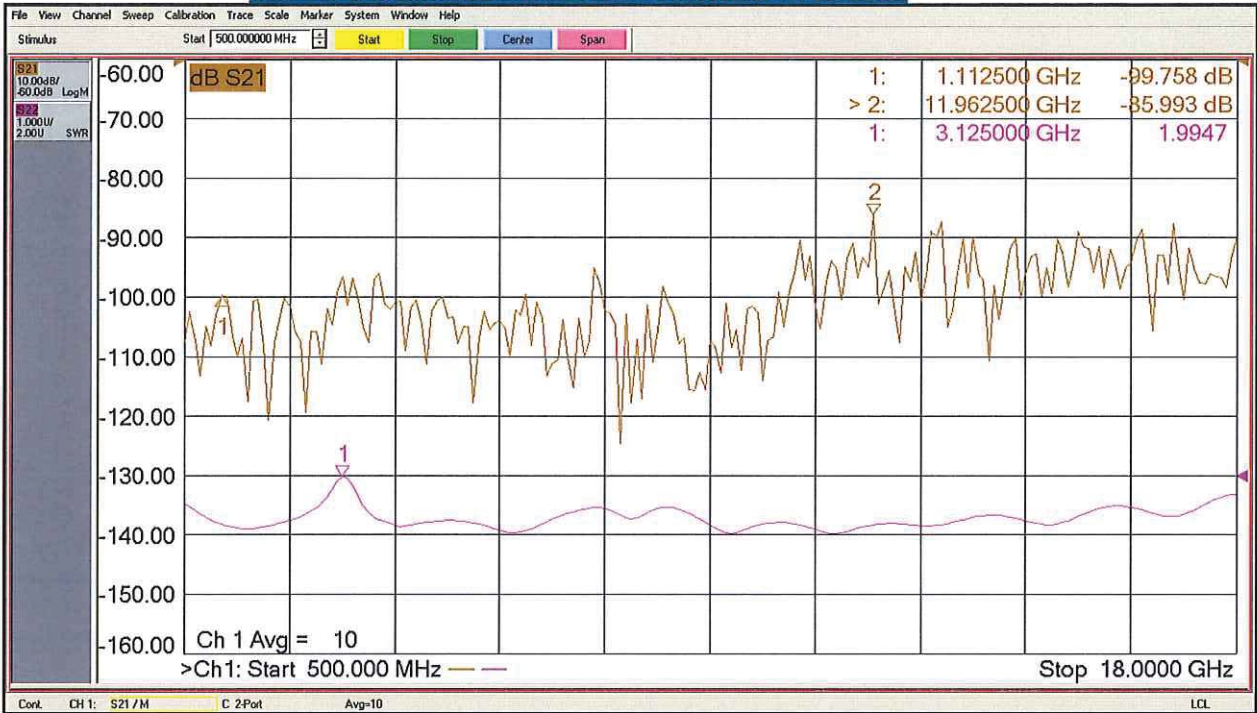




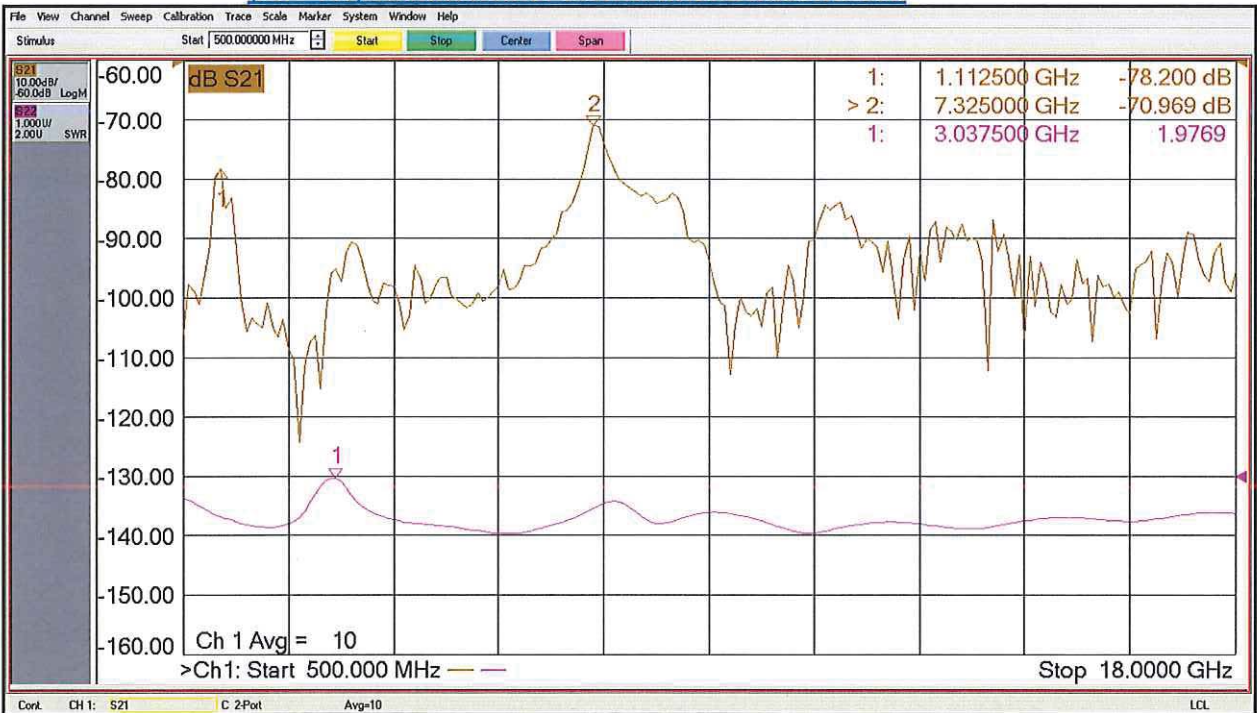
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**(J1 – J2) Isolation and Termination Return Loss**



**(J1 – J3) Isolation and Termination Return Loss**



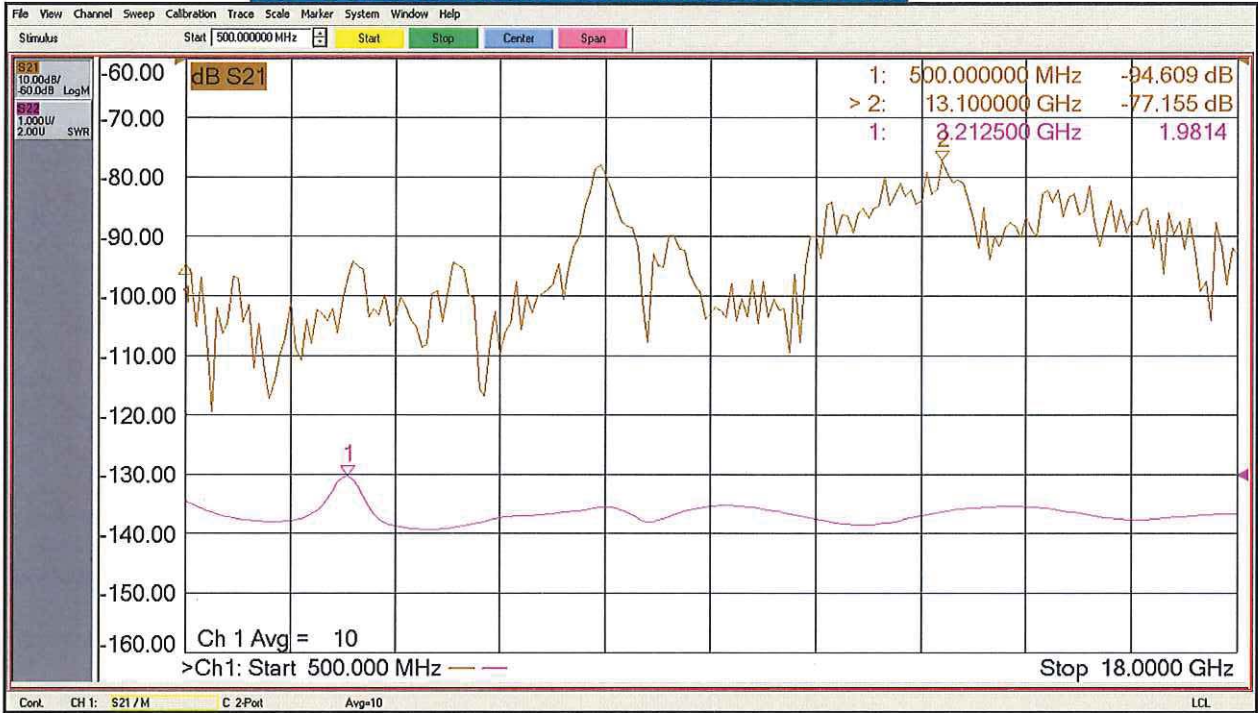




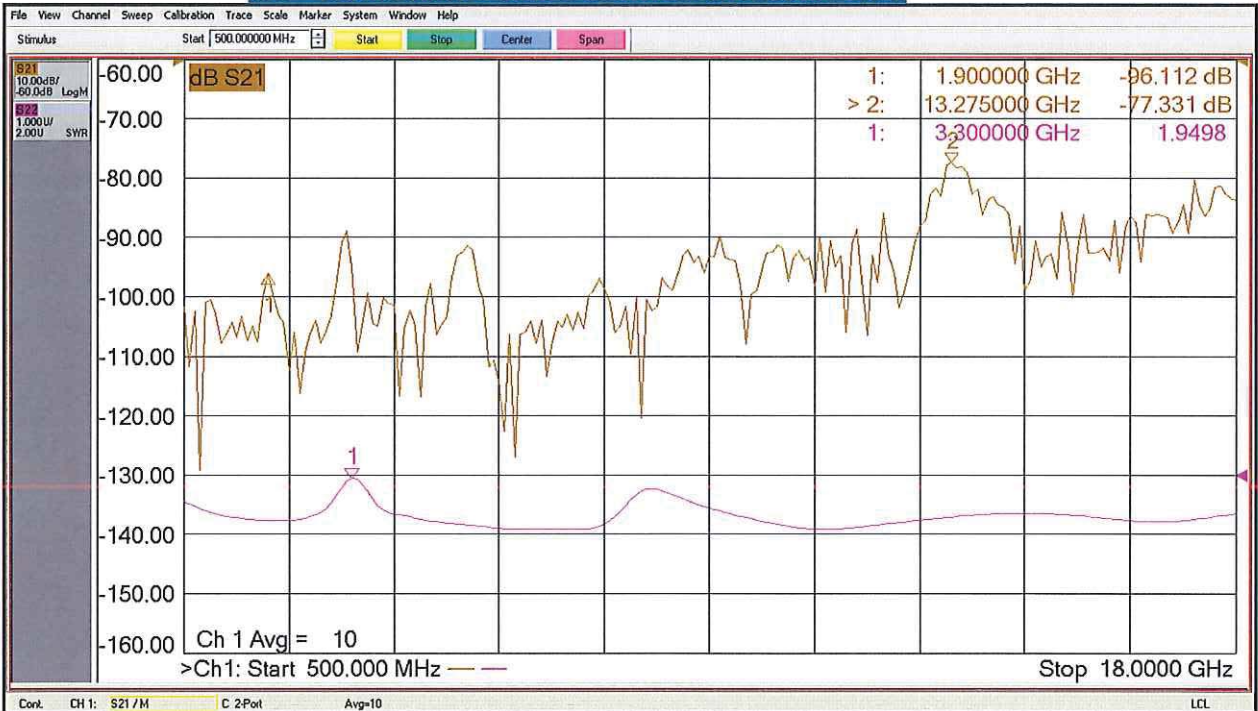
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**(J1 – J4) Isolation and Termination Return Loss**



**(J1 – J5) Isolation and Termination Return Loss**

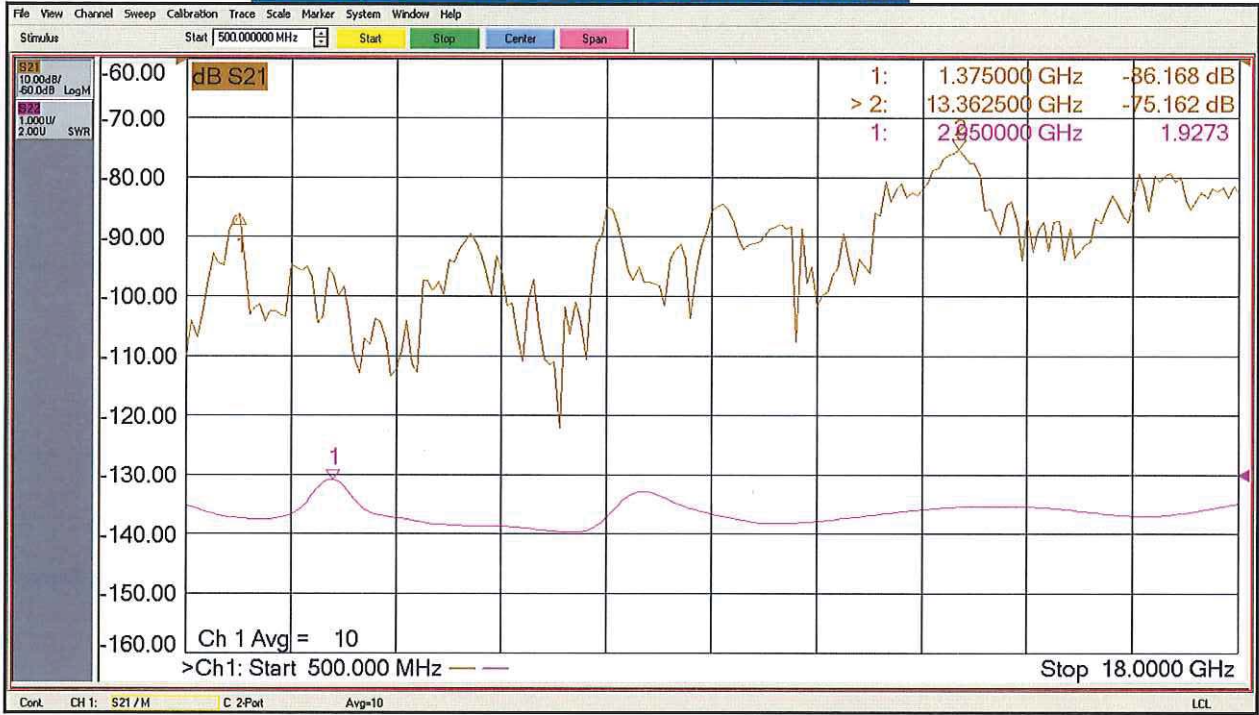




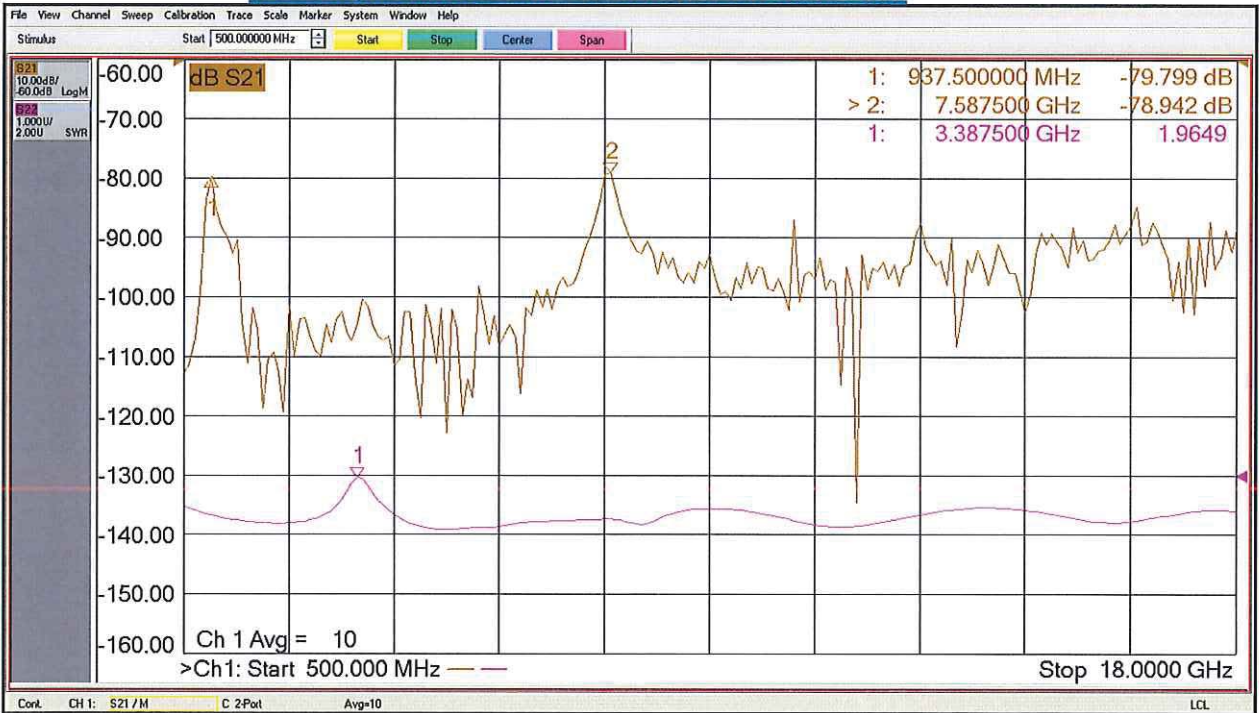
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**(J1 - J6) Isolation and Termination Return Loss**



**(J1 - J7) Isolation and Termination Return Loss**



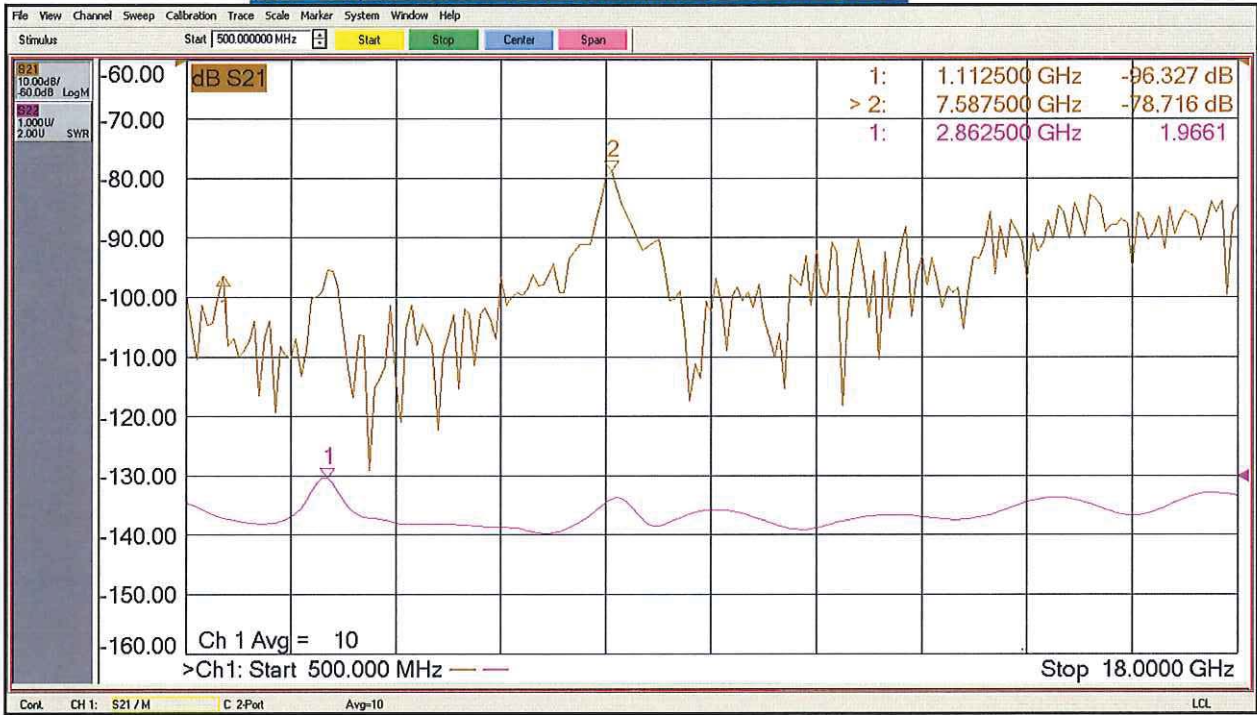




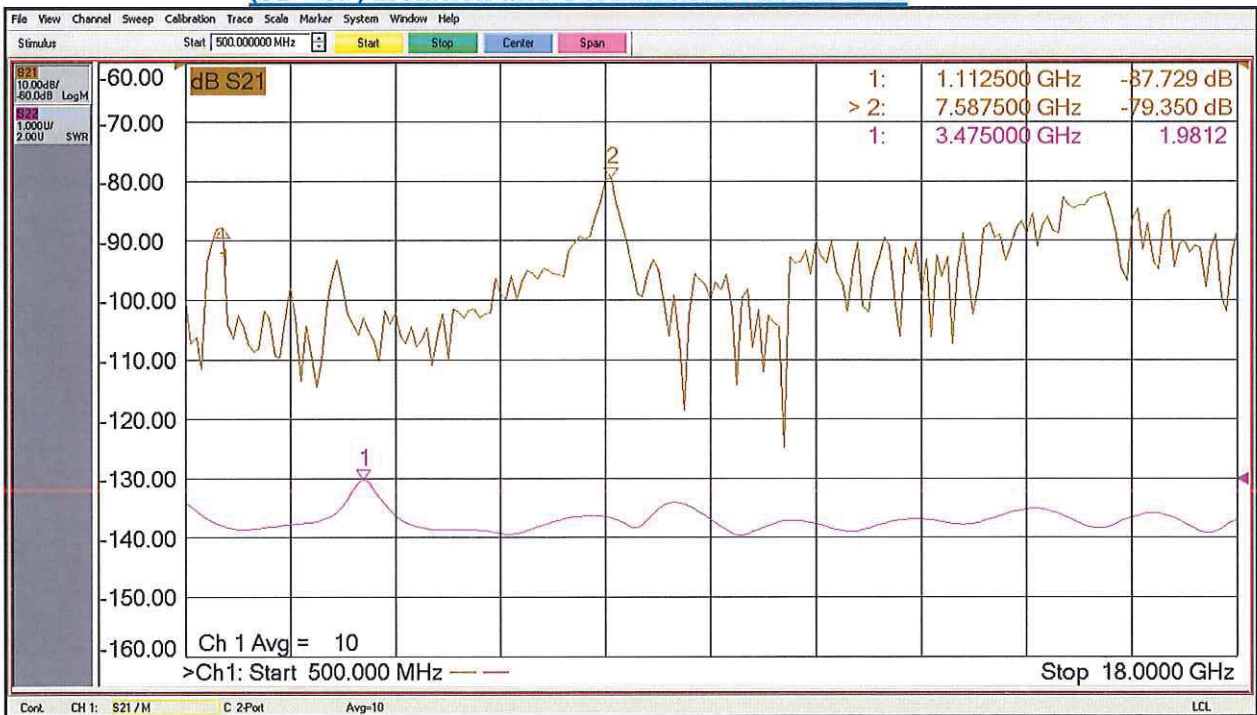
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**(J1 – J8) Isolation and Termination Return Loss**



**(J1 – J9) Isolation and Termination Return Loss**



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