



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

PL25413/1916

Customer: _____	Tested By: <u>L. McGraw</u>
SO No: _____	Temperature: <u>+25°C</u>
Model No: <u>P8T-0R5G18G-70-T-SFF</u>	Date: <u>04/15/19</u>
Serial No: <u>PL25413/1916</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	3.9dB (See Plot)																																					
3	Isolation	0.5 GHz TO 2 GHz: 60 dB Min 2 GHz TO 18 GHz: 70 dB Min	85dB (0.5-2 GHz) 81dB (2-18 GHz)																																					
4	VSWR	In/Out                    2.0:1 Typ. Terminated Out:       2.0:1 Typ.	2.3:1 (See Plot)																																					
5	Rise/Fall Time	10 nsec Typ. 15 nsec Max.	See Typical Characteristics																																					
6	Delay On/Off	+5 V @ 100 mA Maximum -15 V @ 75 mA Maximum	See Typical Characteristics																																					
7	DC Supply	+5 VDC @ 400 mA Max. -5 VDC @ 100 mA Max.	+67mA -18mA																																					
8	Control Signal	LOGIC TABLE 3 BIT DECODER <table border="0" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="padding: 0 10px;">E1</th> <th style="padding: 0 10px;">E2</th> <th style="padding: 0 10px;">E3</th> <th style="padding: 0 10px;">FUNCTION</th> </tr> </thead> <tbody> <tr><td style="padding: 0 10px;">0</td><td style="padding: 0 10px;">0</td><td style="padding: 0 10px;">0</td><td>J1 - J2 "Low Loss"</td></tr> <tr><td style="padding: 0 10px;">0</td><td style="padding: 0 10px;">0</td><td style="padding: 0 10px;">1</td><td>J1 - J3 "Low Loss"</td></tr> <tr><td style="padding: 0 10px;">0</td><td style="padding: 0 10px;">1</td><td style="padding: 0 10px;">0</td><td>J1 - J4 "Low Loss"</td></tr> <tr><td style="padding: 0 10px;">0</td><td style="padding: 0 10px;">1</td><td style="padding: 0 10px;">1</td><td>J1 - J5 "Low Loss"</td></tr> <tr><td style="padding: 0 10px;">1</td><td style="padding: 0 10px;">0</td><td style="padding: 0 10px;">0</td><td>J1 - J6 "Low Loss"</td></tr> <tr><td style="padding: 0 10px;">1</td><td style="padding: 0 10px;">0</td><td style="padding: 0 10px;">1</td><td>J1 - J7 "Low Loss"</td></tr> <tr><td style="padding: 0 10px;">1</td><td style="padding: 0 10px;">1</td><td style="padding: 0 10px;">0</td><td>J1 - J8 "Low Loss"</td></tr> <tr><td style="padding: 0 10px;">1</td><td style="padding: 0 10px;">1</td><td style="padding: 0 10px;">1</td><td>J1 - J9 "Low Loss"</td></tr> </tbody> </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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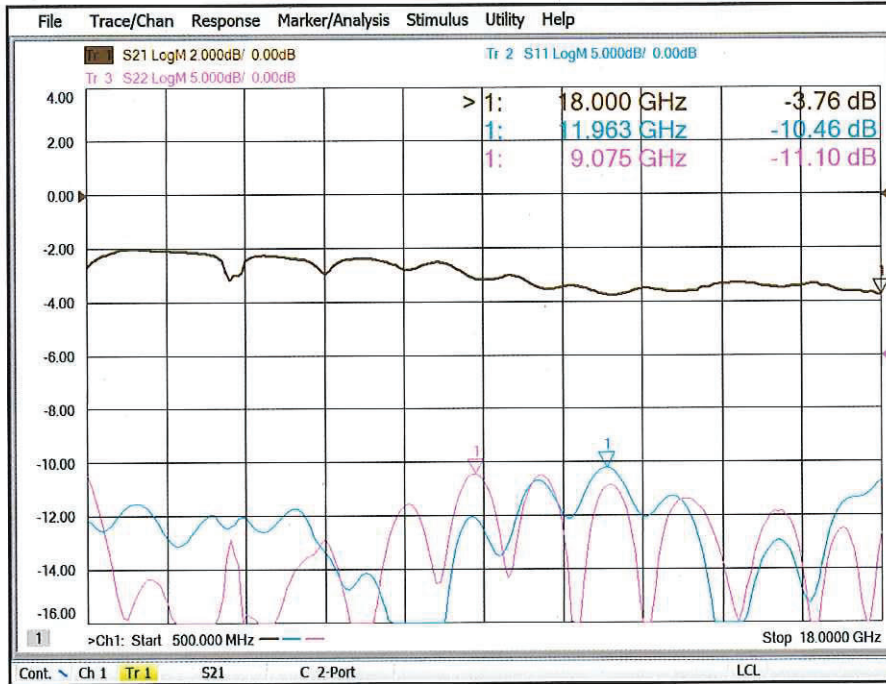
QA/QC Approval:  PMI QA1 Date: 4/30/19



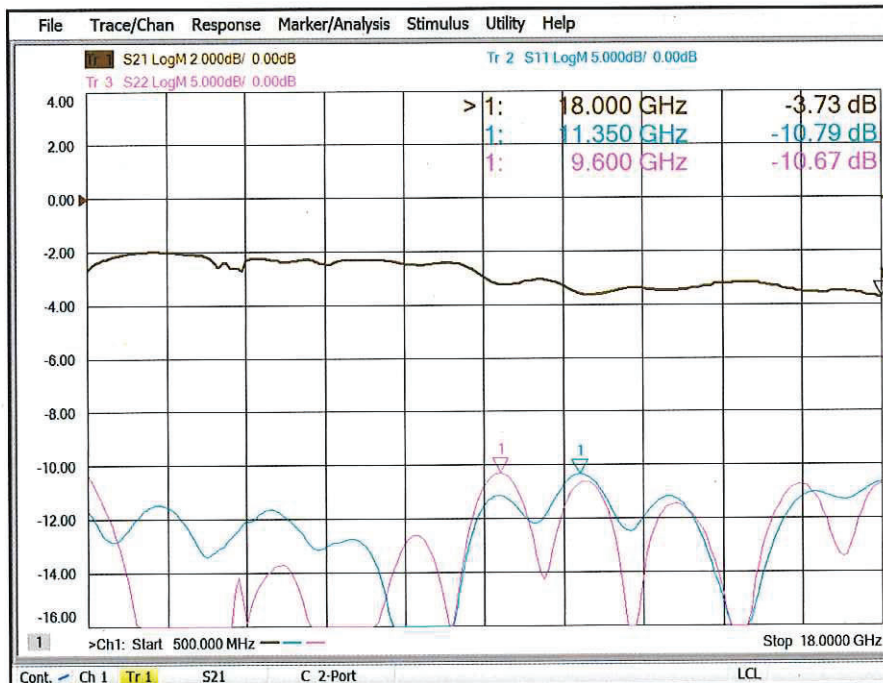
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**(J1 – J2) Insertion Loss and Return Loss**



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



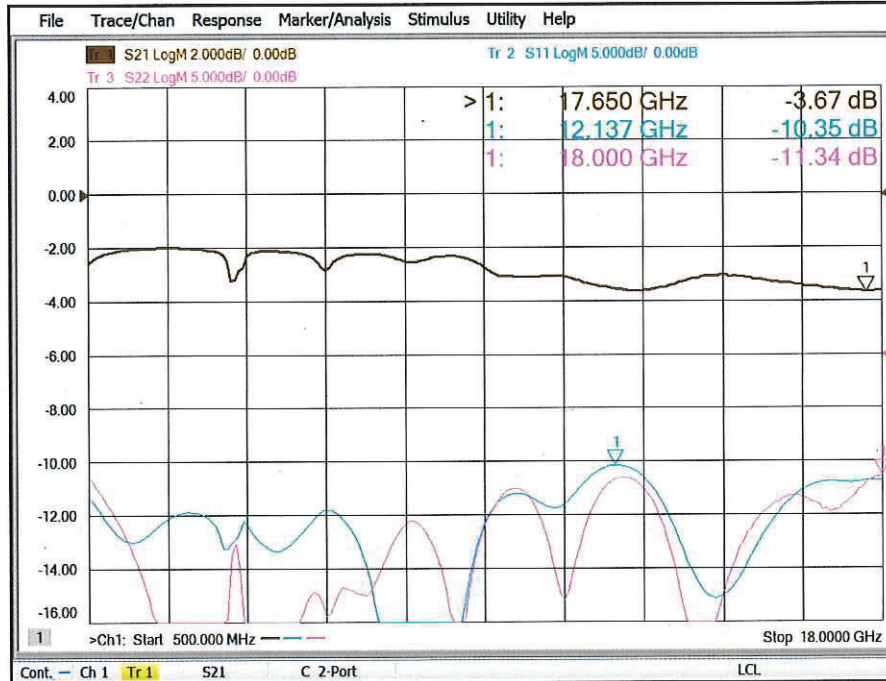
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)



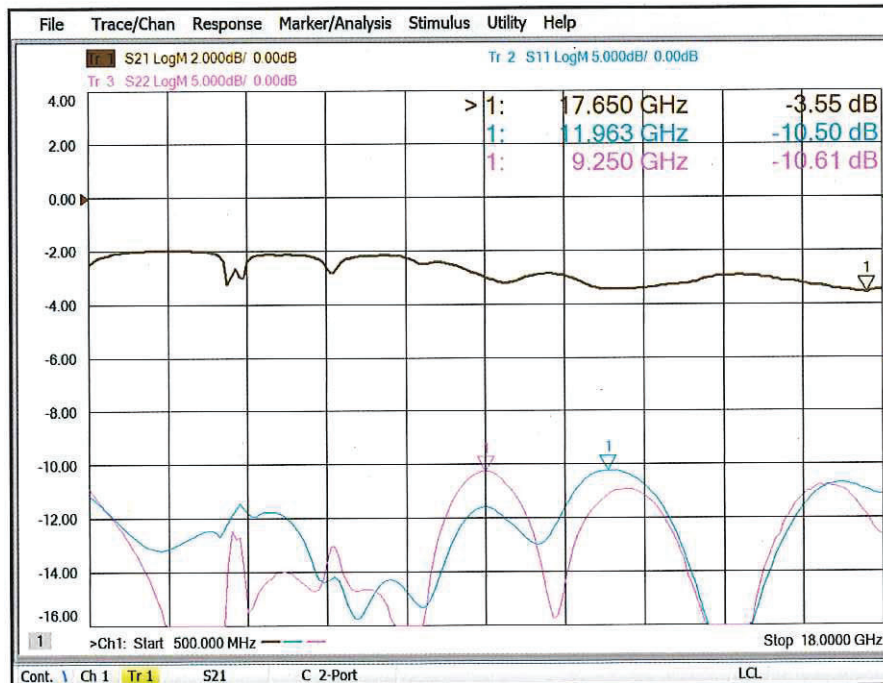
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**(J1 – J4) Insertion Loss and Return Loss**



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

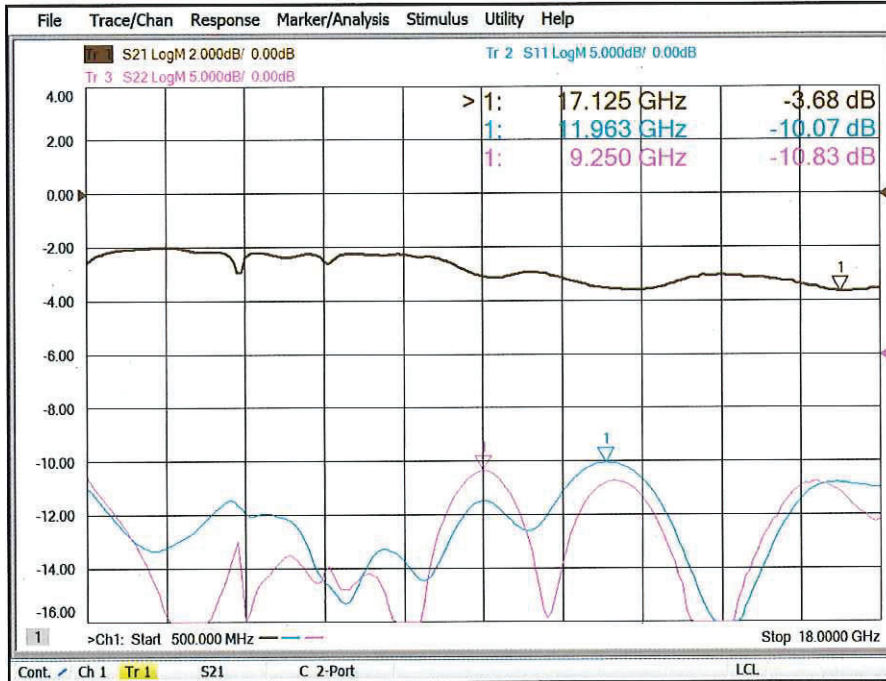




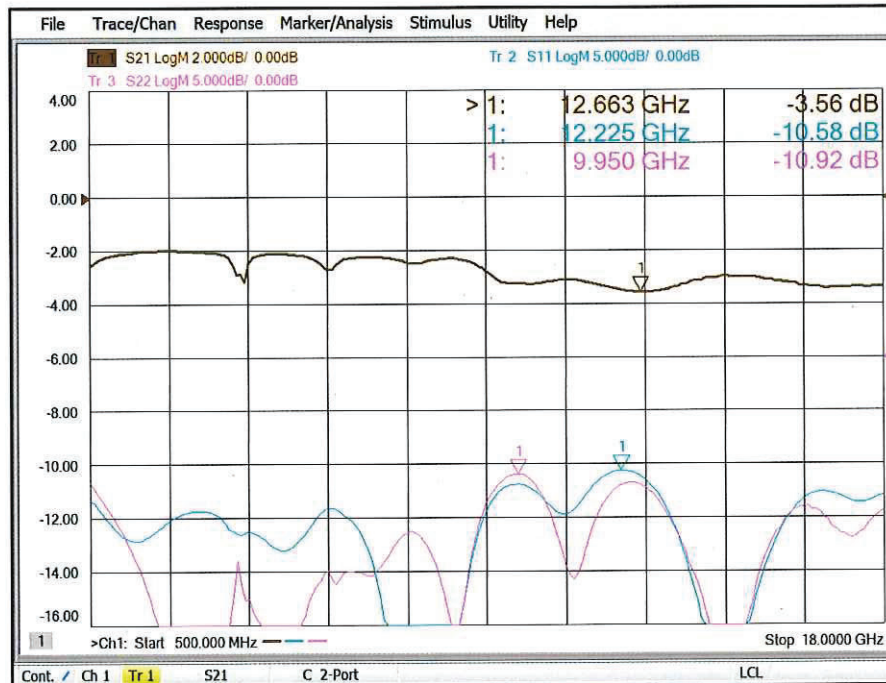
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**(J1 – J6) Insertion Loss and Return Loss**



**(J1 – J7) Insertion Loss and Return Loss**



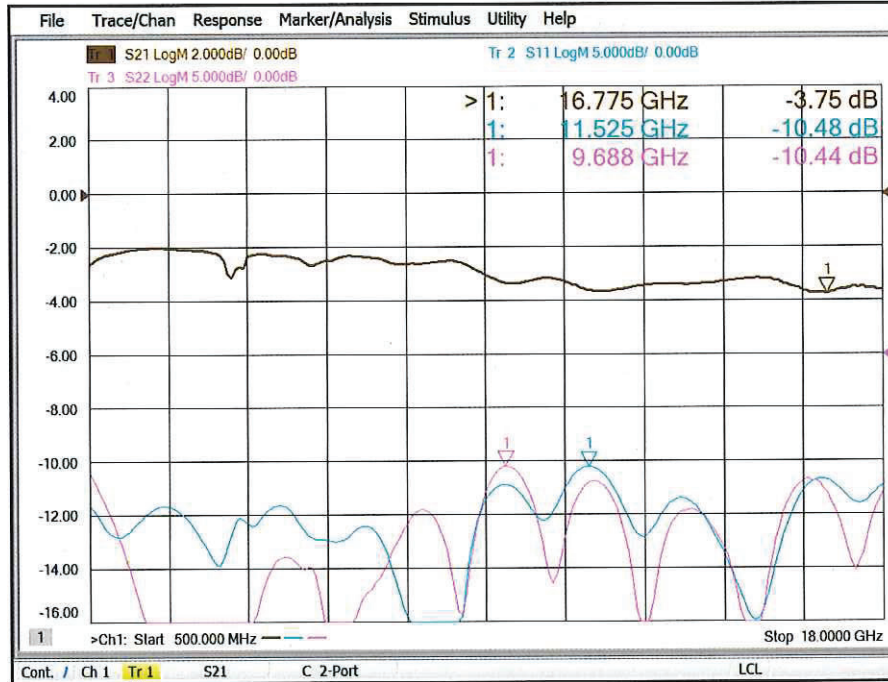
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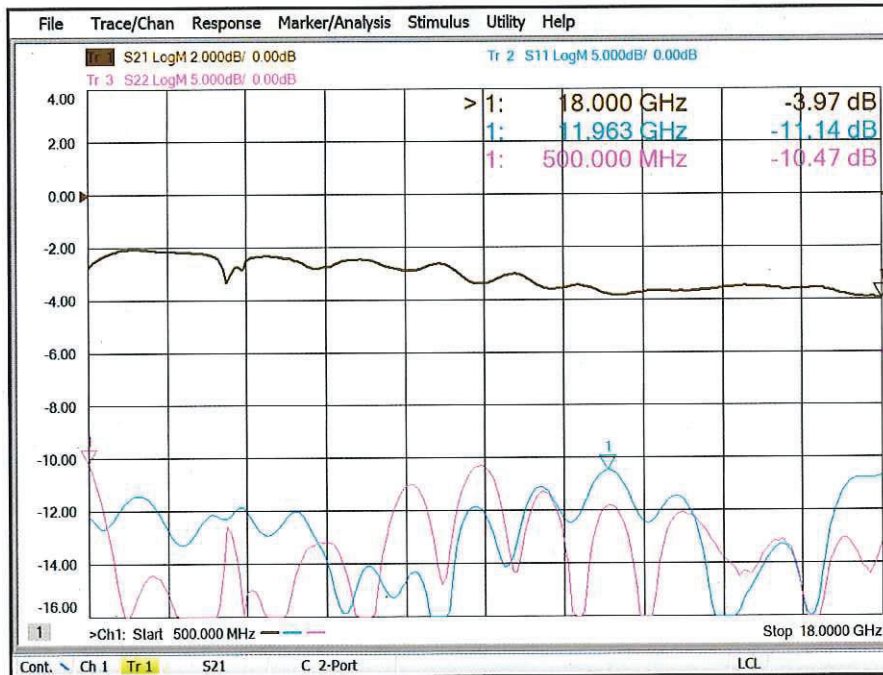
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**(J1 – J8) Insertion Loss and Return Loss**



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

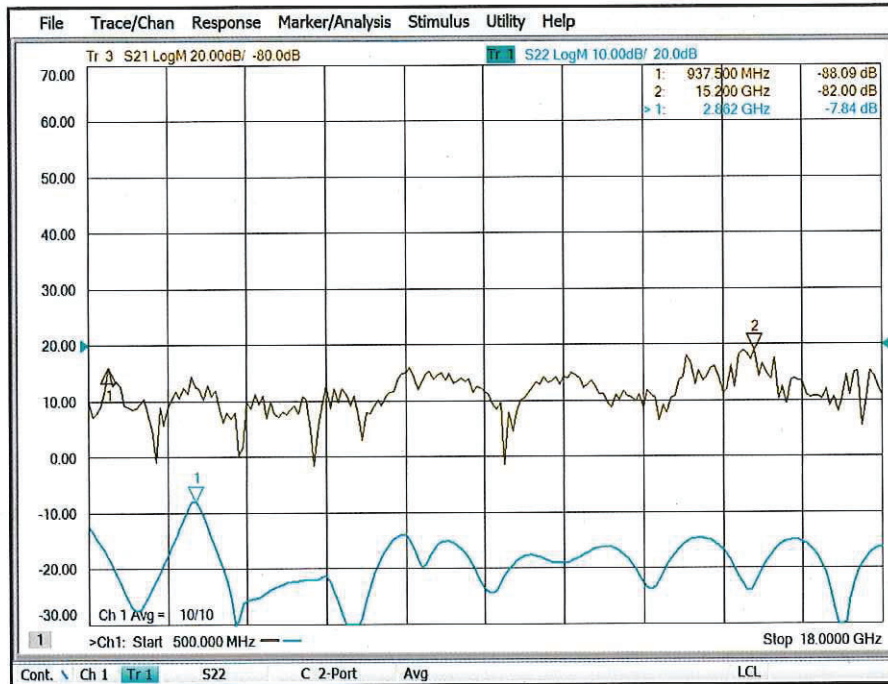




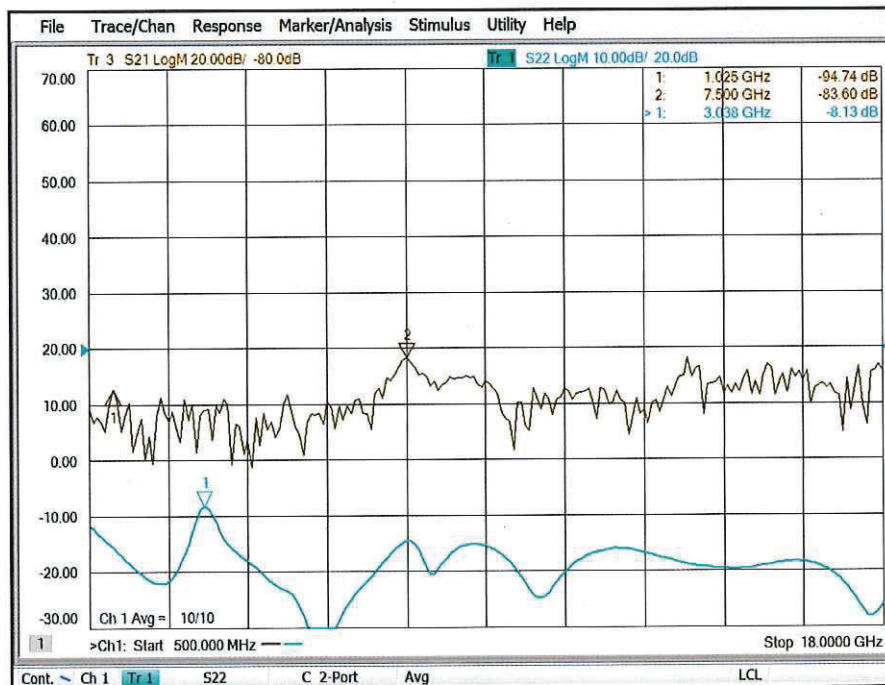
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**(J1 – J2) Isolation and Termination Return Loss**



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

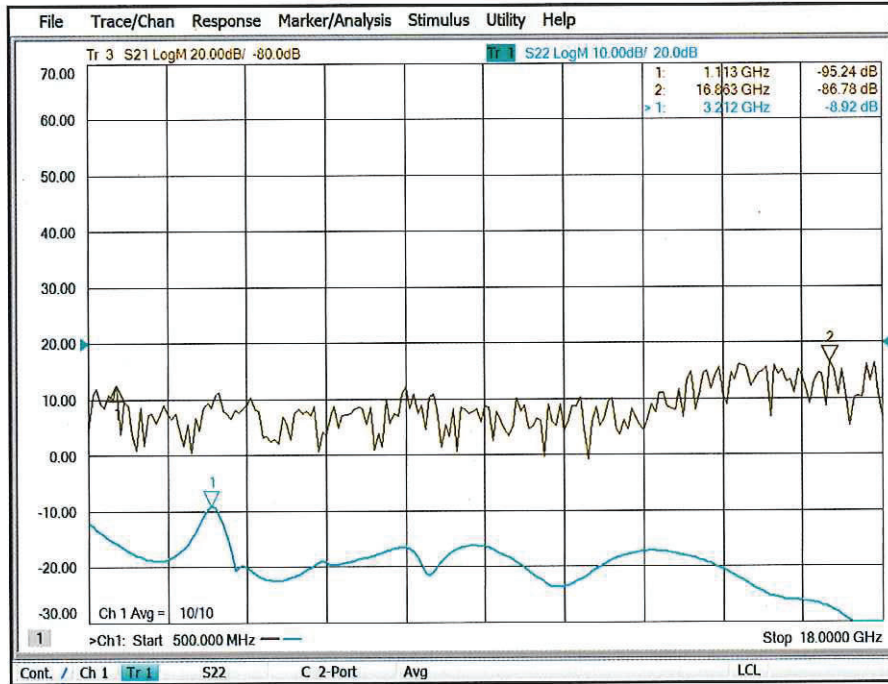




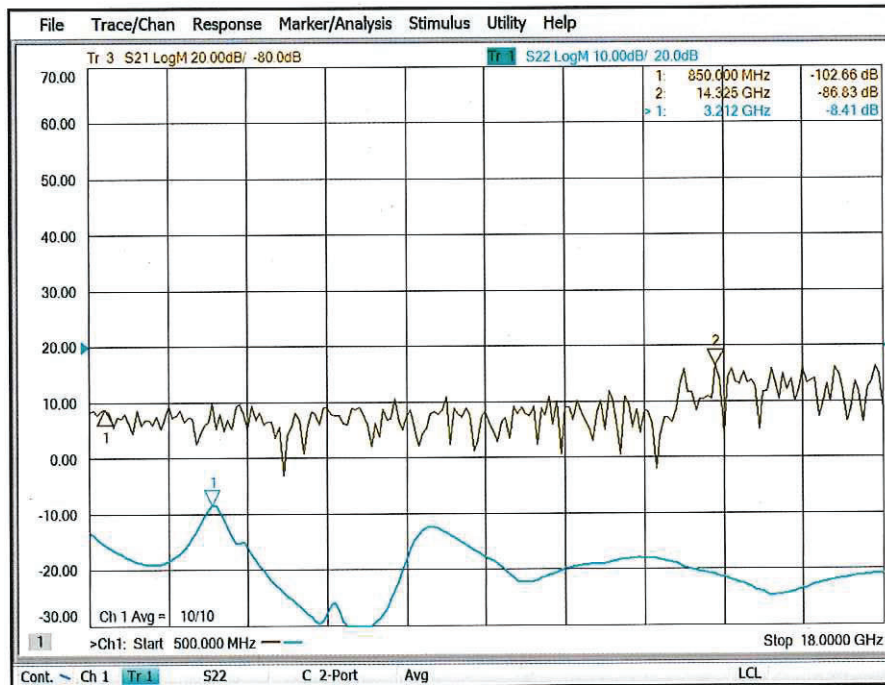
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**(J1 – J4) Isolation and Termination Return Loss**



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

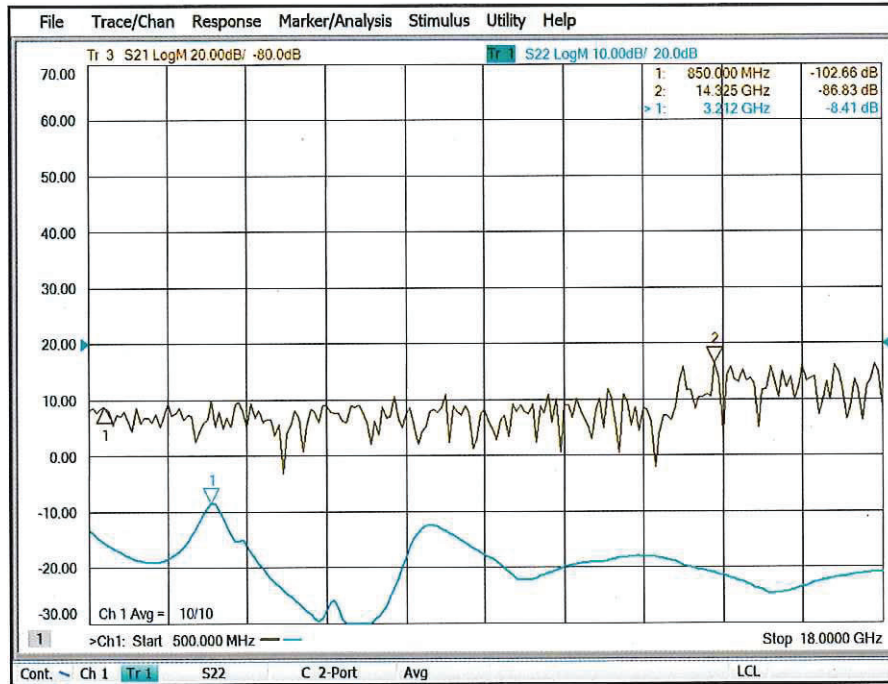




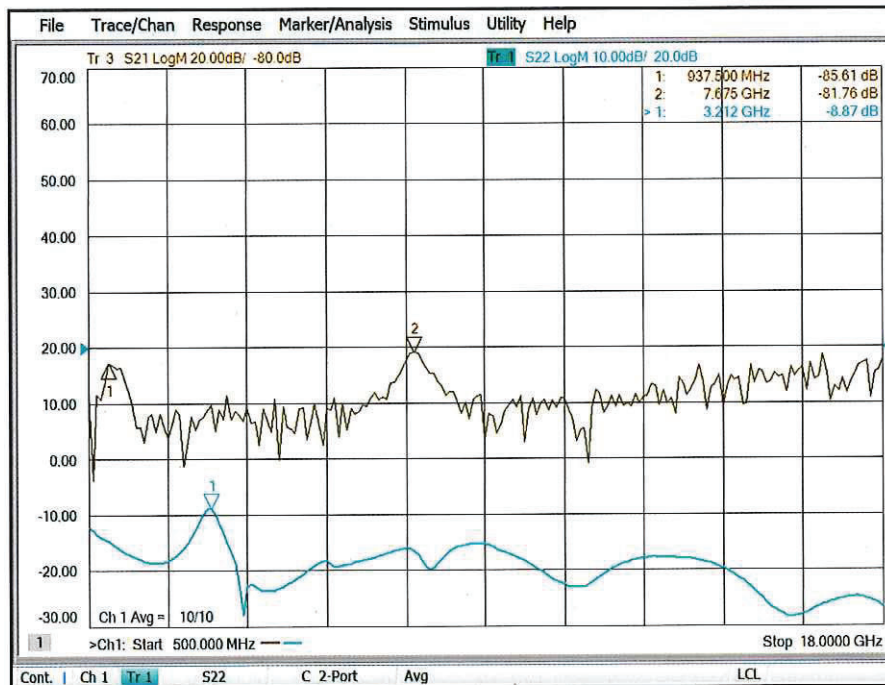
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**(J1 – J6) Isolation and Termination Return Loss**



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



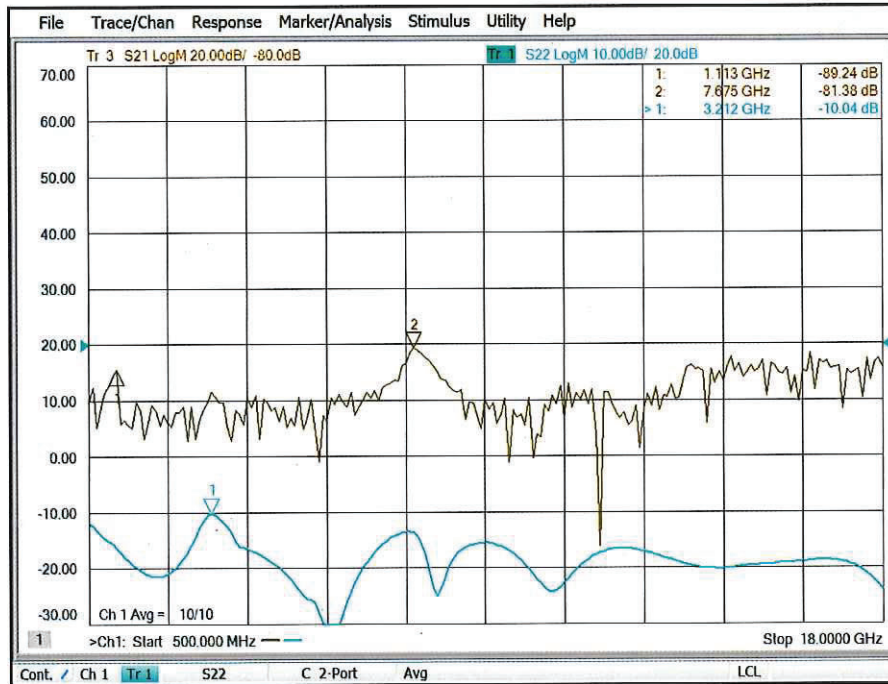
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**(J1 – J8) Isolation and Termination Return Loss**



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

