



**SUMMARY TEST DATA  
ON  
P16T-100M40G-100-T-I-292**

PL21330/1728

Customer: \_\_\_\_\_ Tested By: Jerry N.  
SO No: SO17-159-S-E Temperature: +25°C  
Model No: P16T-100M40G-100-T-I-292 Date: 07/24/17  
Serial No: PL21330/1728 Drawing No: 27632520 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	0.1 to 40 GHz	0.1 to 40 GHz	
2	Insertion Loss	10 dB (0.1 TO 18 GHz) MAX 15 dB (18 TO 40 GHz) MAX	8.23 dB 14.42 dB (See Plot)	
3	In/Out VSWR	2.5:1 (0.1 TO 18 GHz) MAX 2.75:1 (18 TO 40 GHz) MAX	2.49 :1 2.50 :1 (See Plot)	
4	Isolation	70 dB (0.1 TO 1 GHz) MIN 80 dB (1 TO 18 GHz) MIN 80 dB (18 TO 40 GHz) MIN	100.40 dB 93.82 dB 80.97 dB (See Plot)	
5	Input Power	20 dBm CW MAX	Pass	
6	Switching Speed	50 ns TYP, 100ns MAX	40 ns. See Typical Characteristics	
7	DC Supply	+5 V @ 800 mA MAX -5 V @ 700 mA MAX	+5 VDC @ 753 mA -5 VDC @ 495 mA	

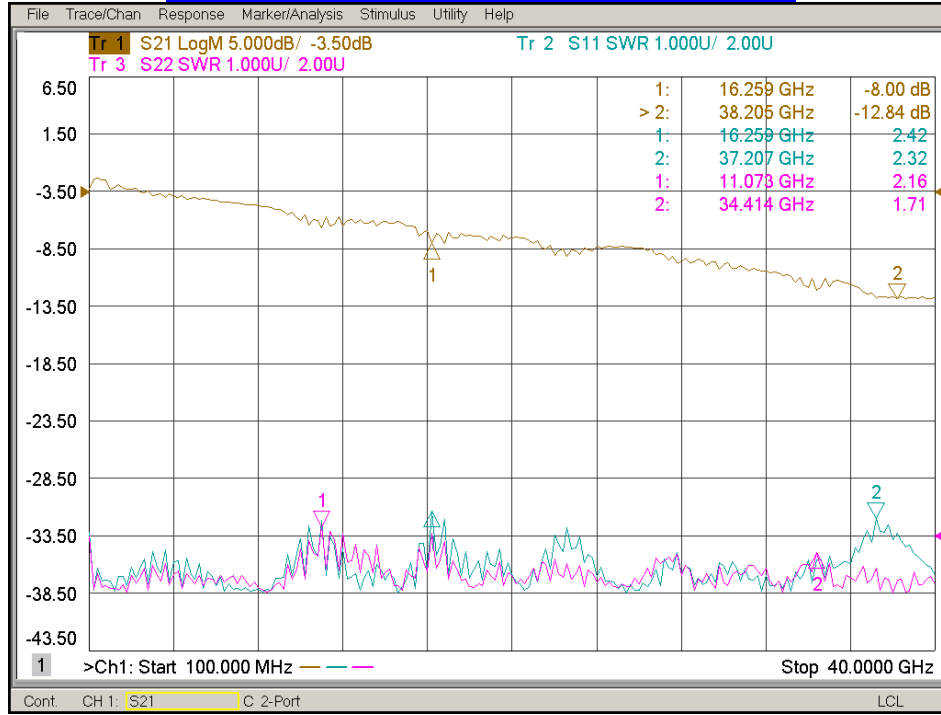
QA/QC Approval: \_\_\_\_\_ Date: \_\_\_\_\_



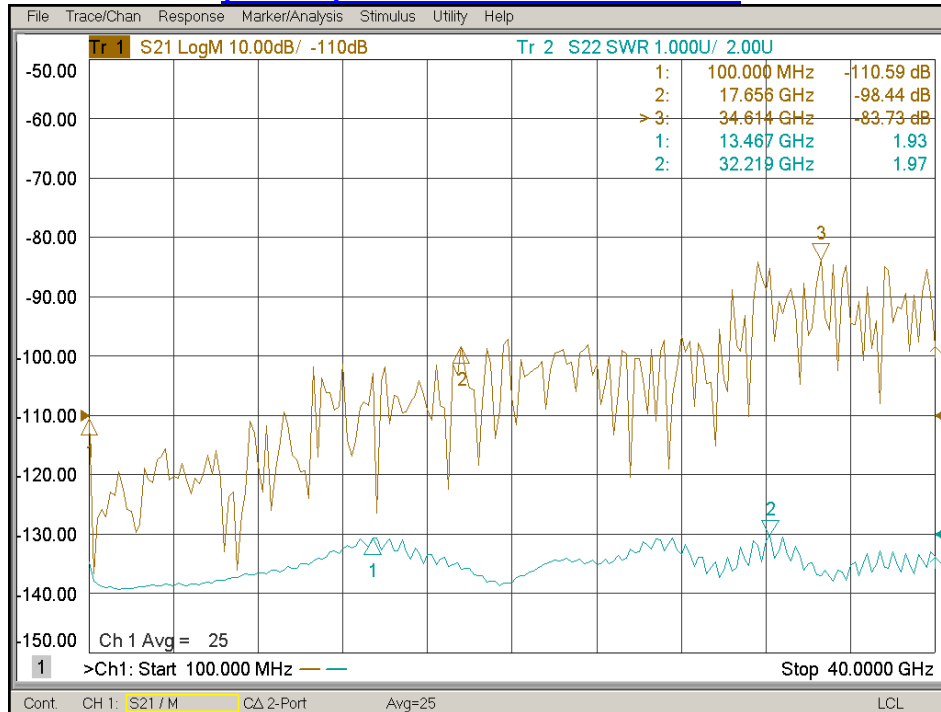
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**(J17-J1) Insertion Loss and Return Loss)**



**(J17-J1) Isolation and Termination**

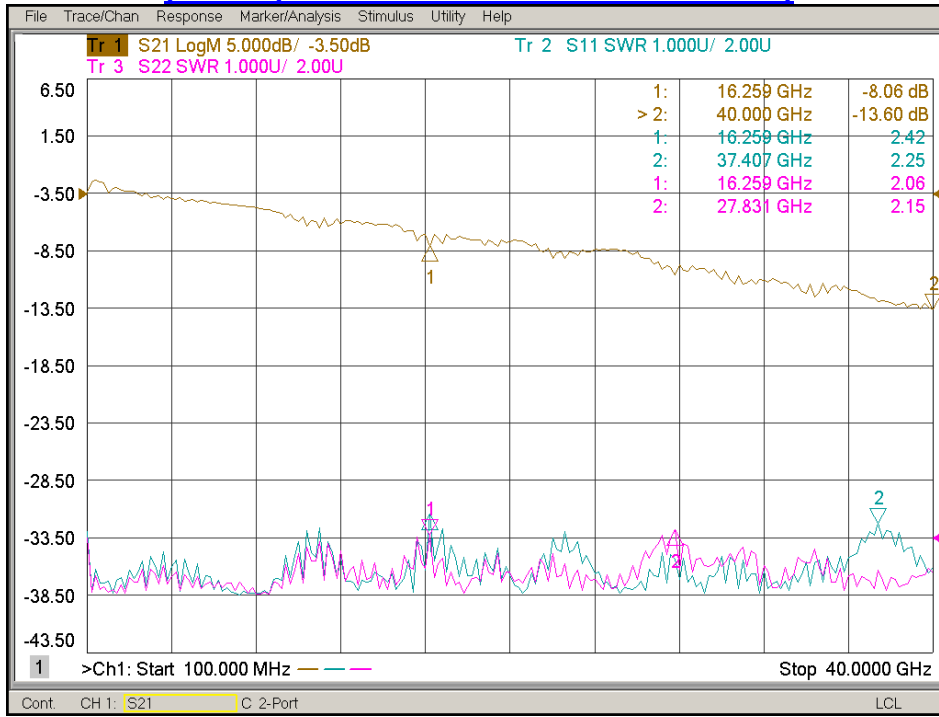




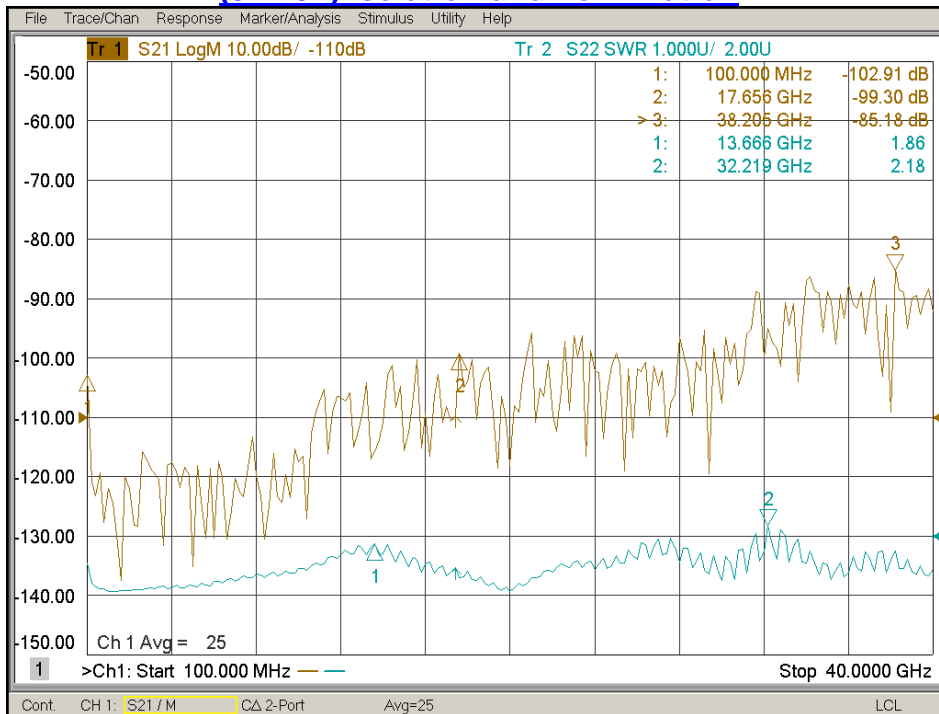
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**(J17-J2) Insertion Loss and Return Loss**



**(J17-J2) Isolation and Termination**

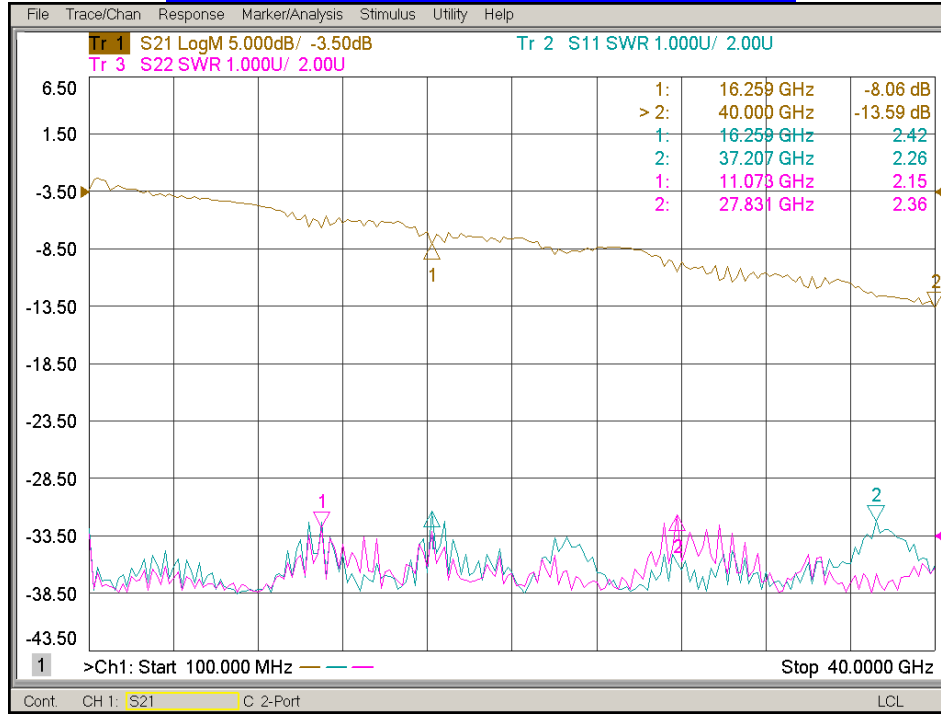




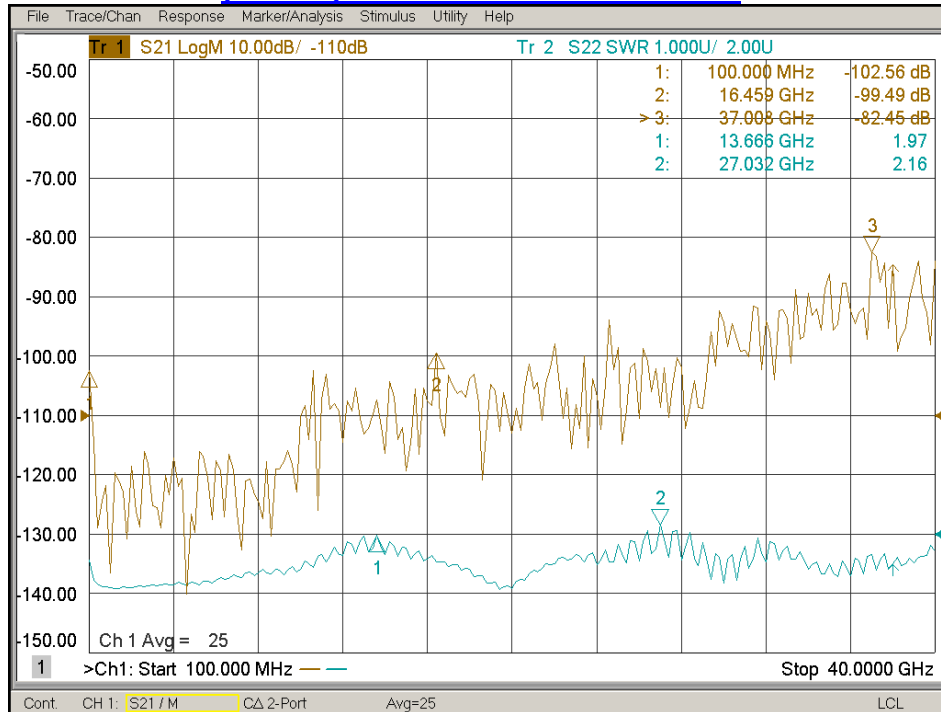
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**(J17-J3) Insertion Loss and Return Loss**



**(J17-J3) Isolation and Termination**

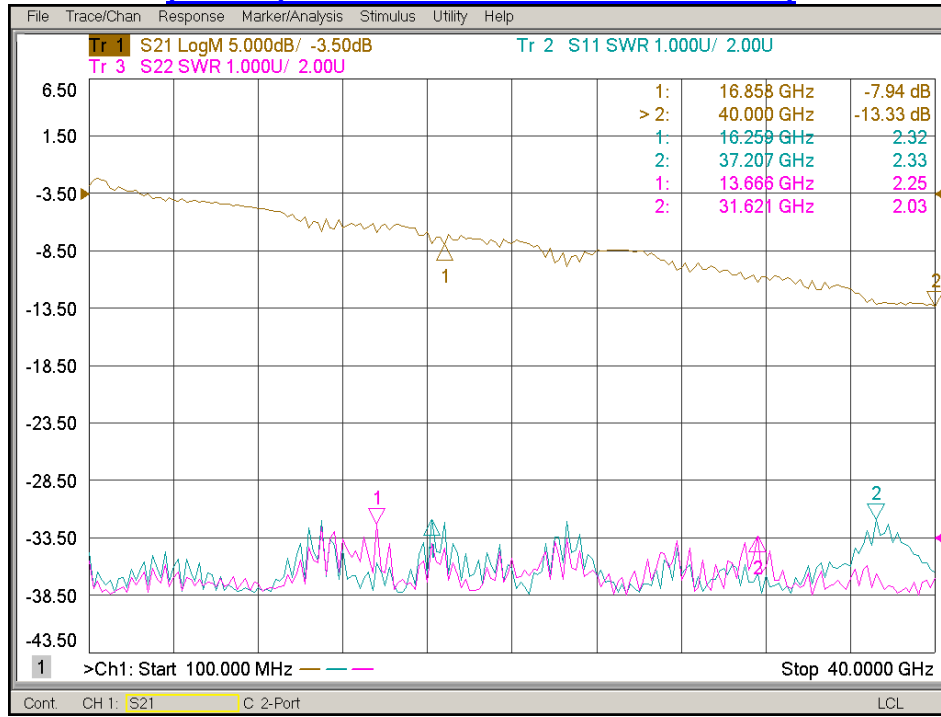




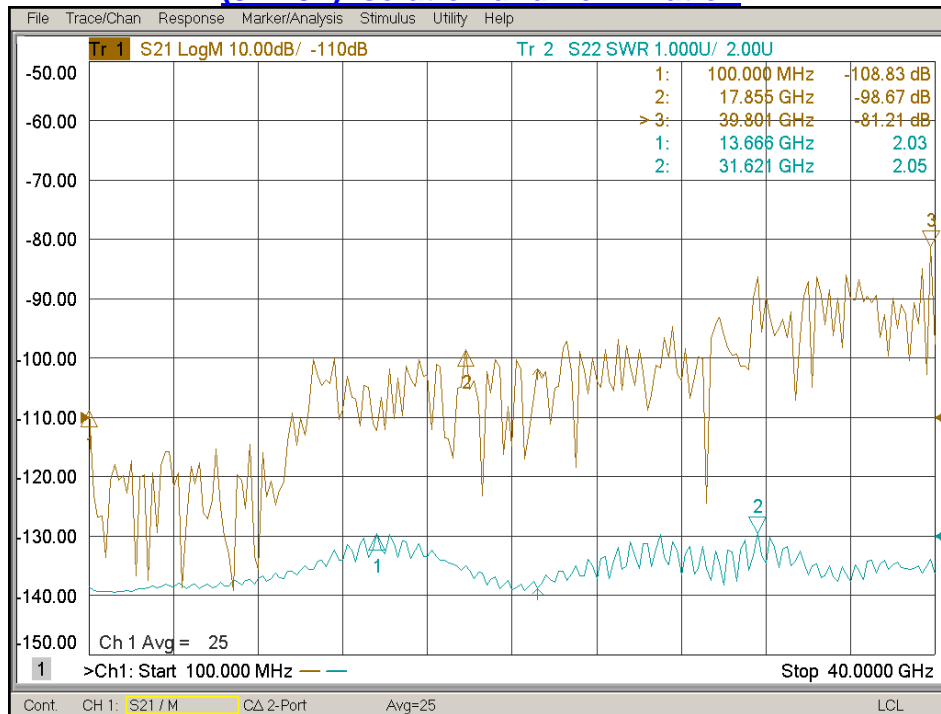
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**(J17-J4) Insertion Loss and Return Loss**



**(J17-J4) Isolation and Termination**

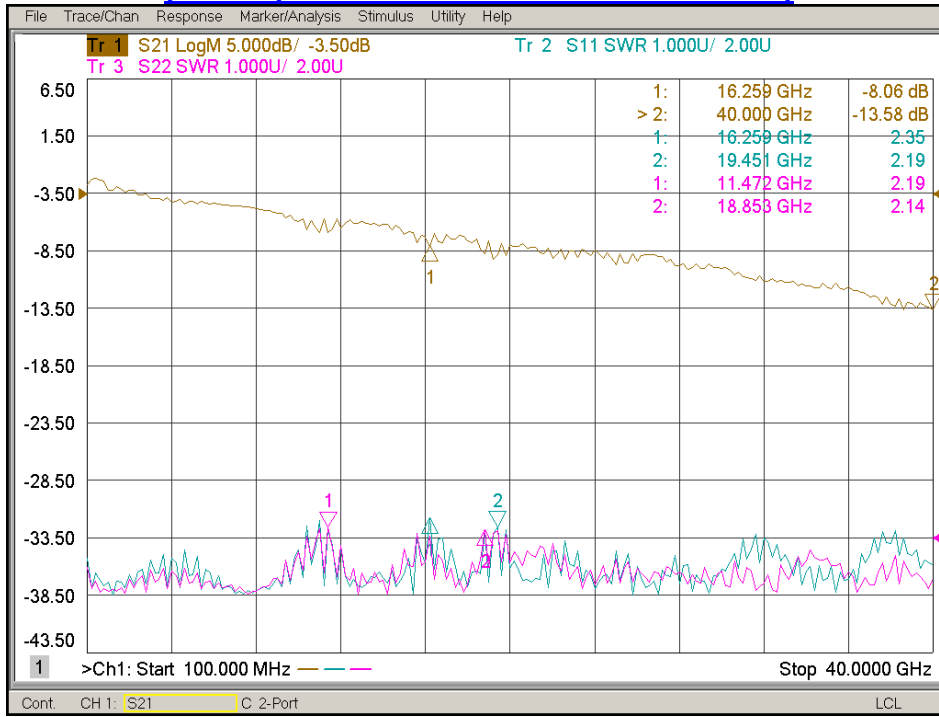




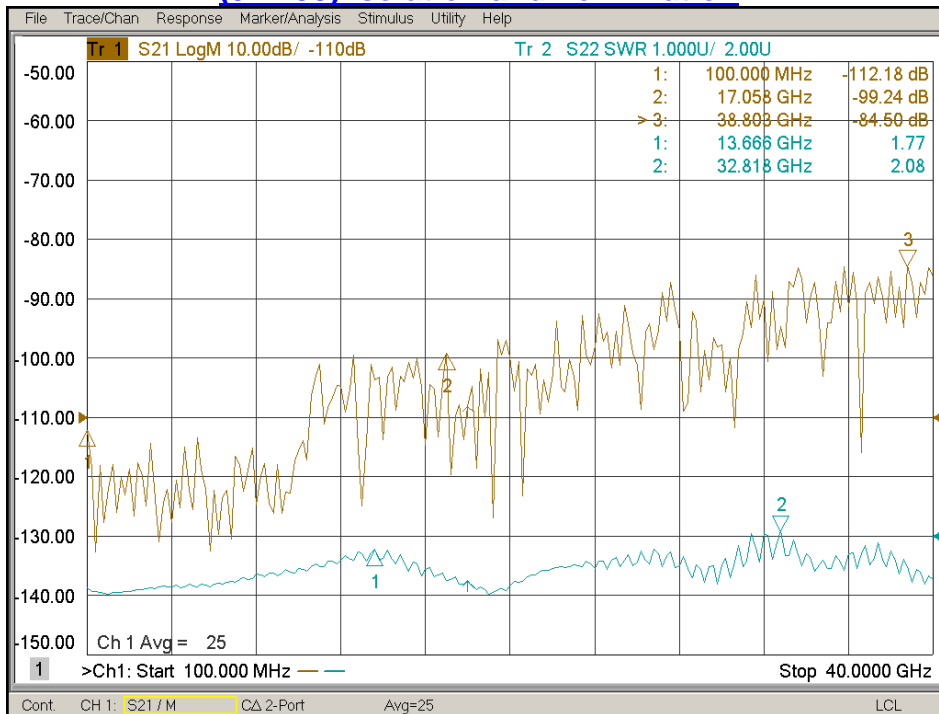
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**(J17-J5) Insertion Loss and Return Loss**



**(J17-J5) Isolation and Termination**

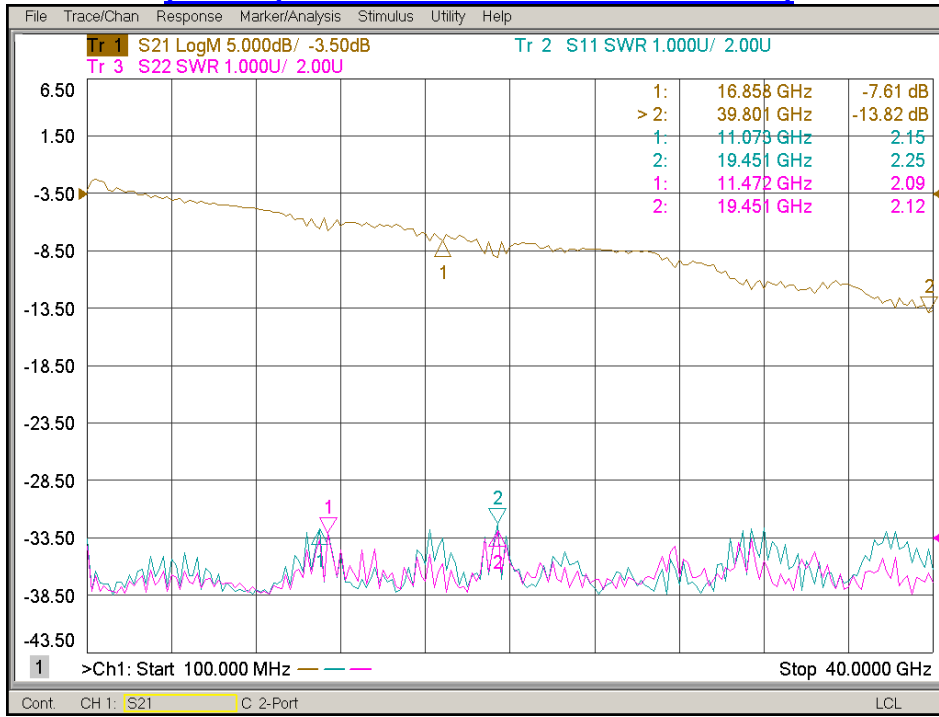




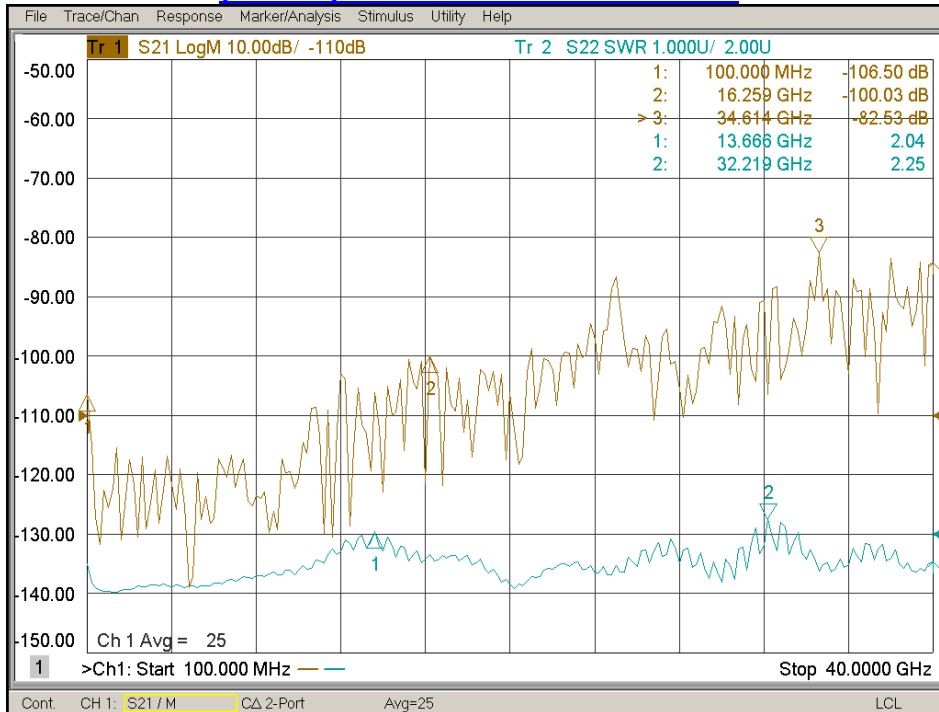
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**(J17-J6) Insertion Loss and Return Loss**



**(J17-J6) Isolation and Termination**

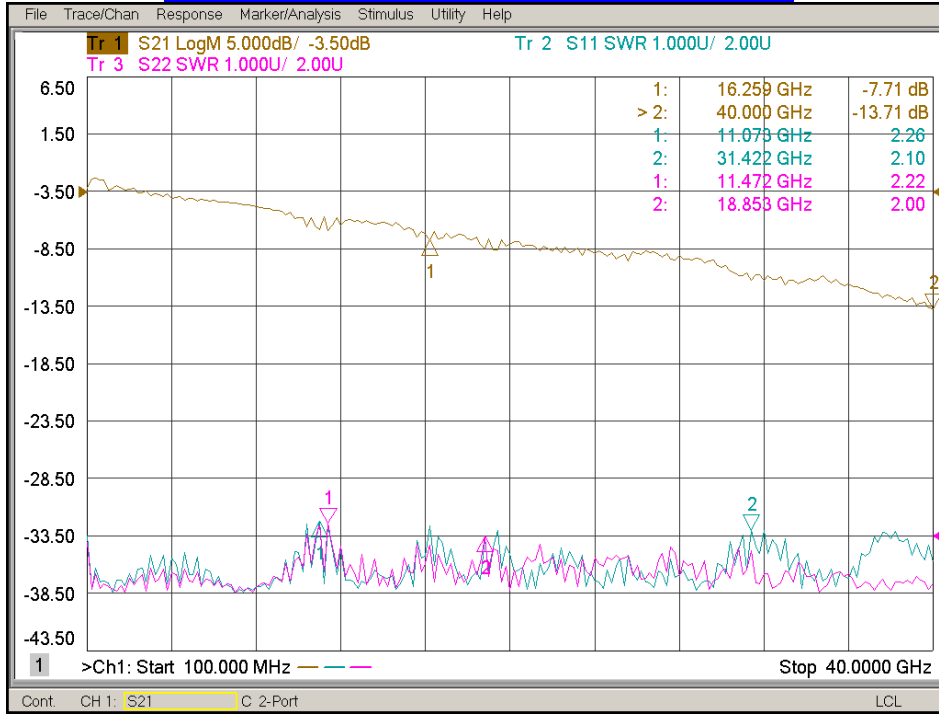




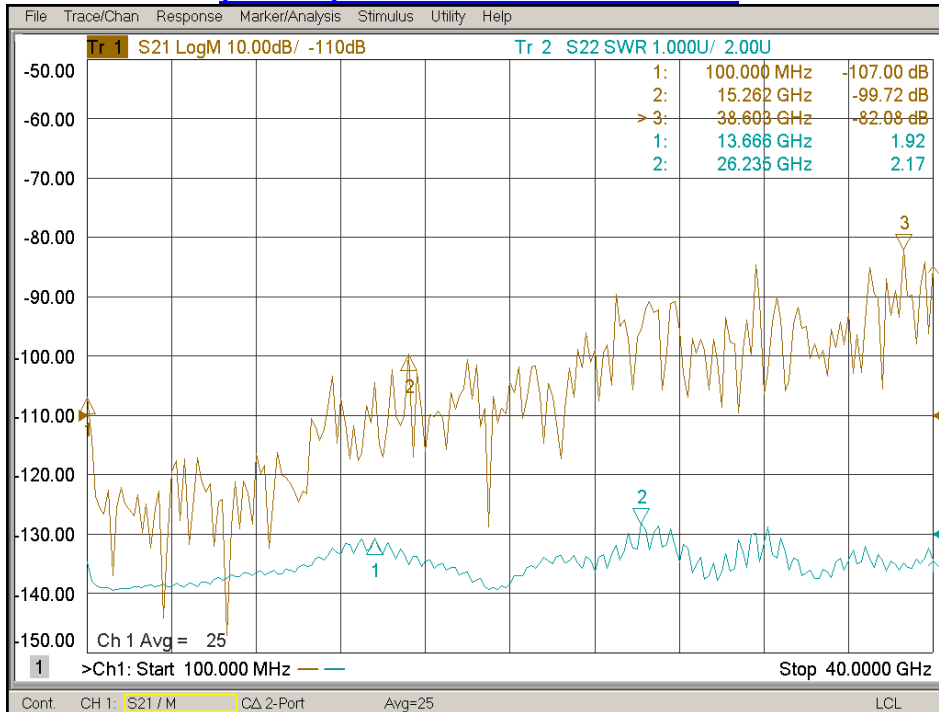
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**(J17-J7) Insertion Loss and Return Loss**



**(J17-J7) Isolation and Termination**



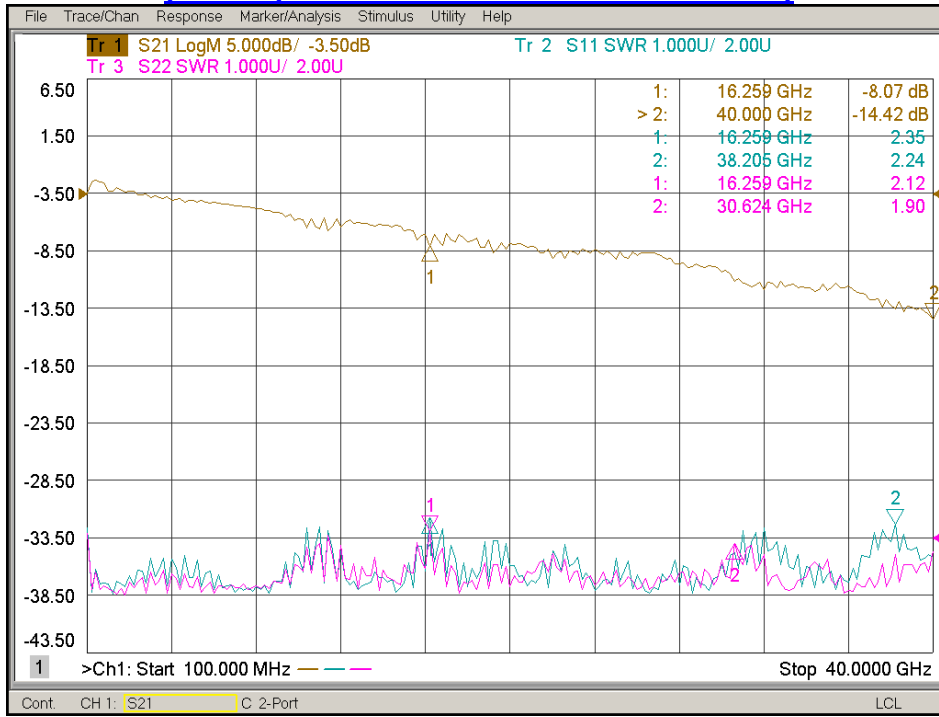
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)



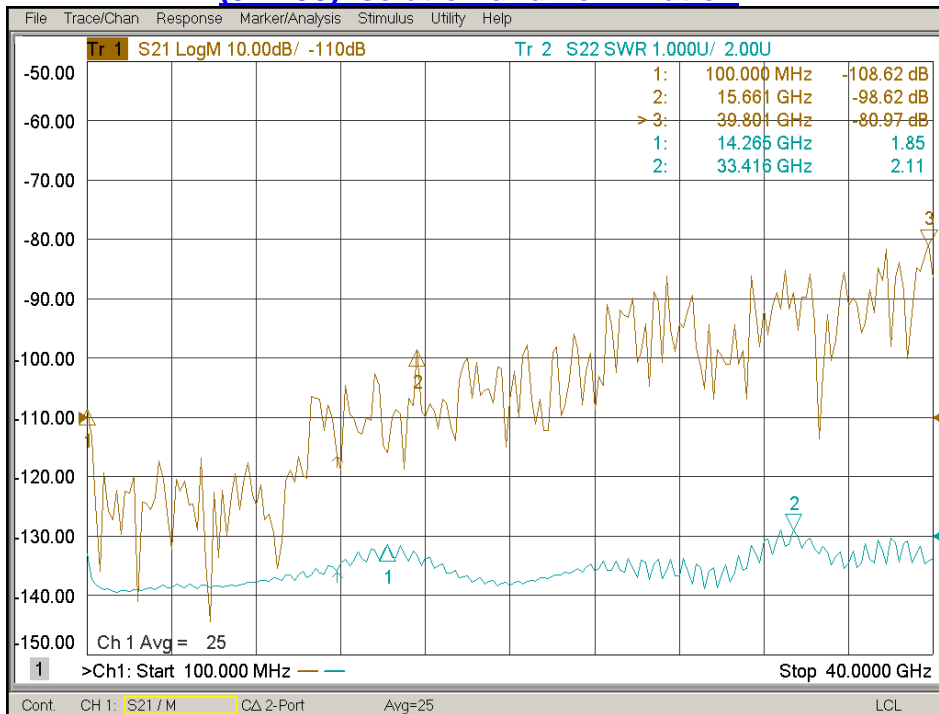
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**(J17-J8) Insertion Loss and Return Loss**



**(J17-J8) Isolation and Termination**

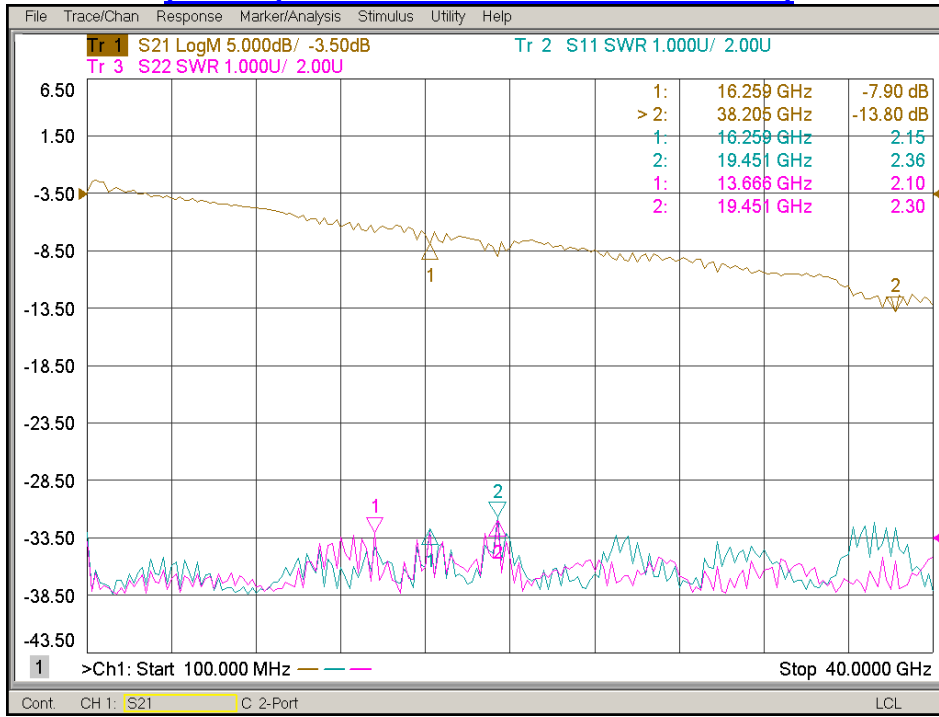




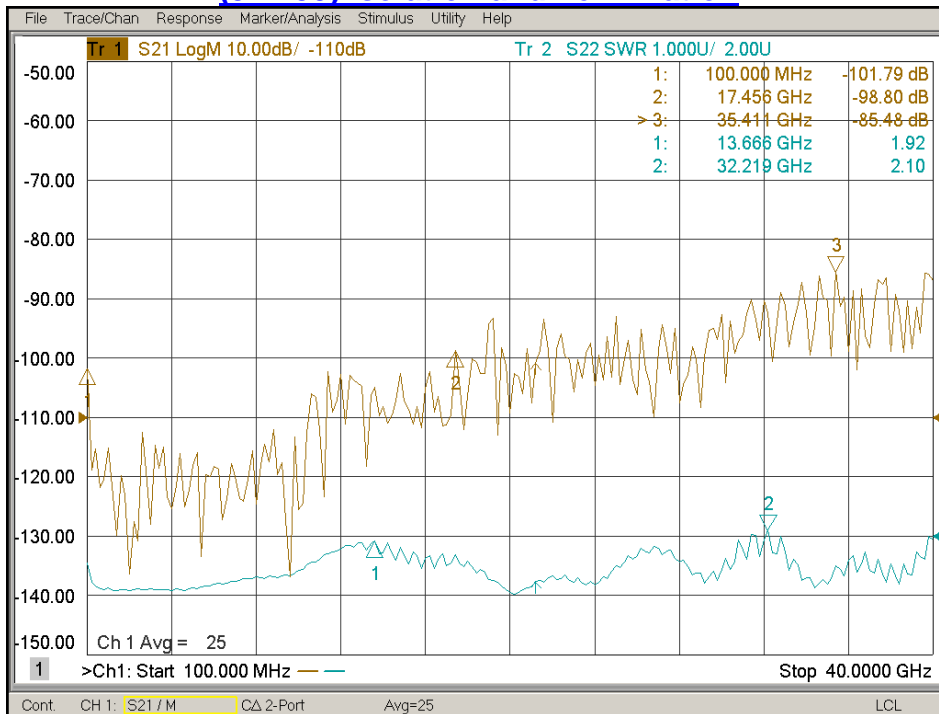
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**(J17-J9) Insertion Loss and Return Loss)**



**(J17-J9) Isolation and Termination**

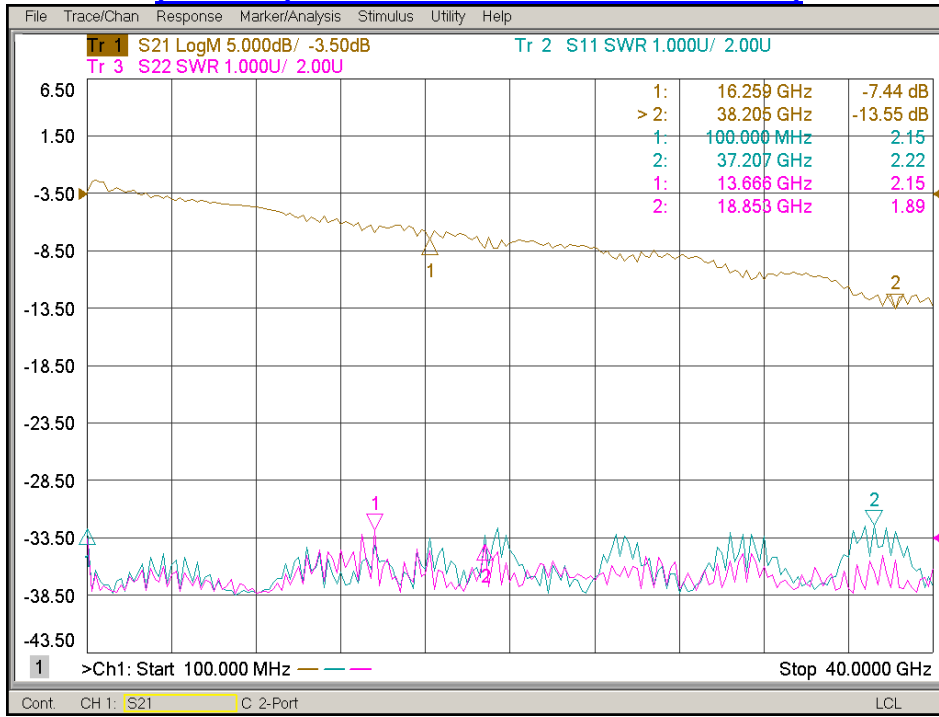




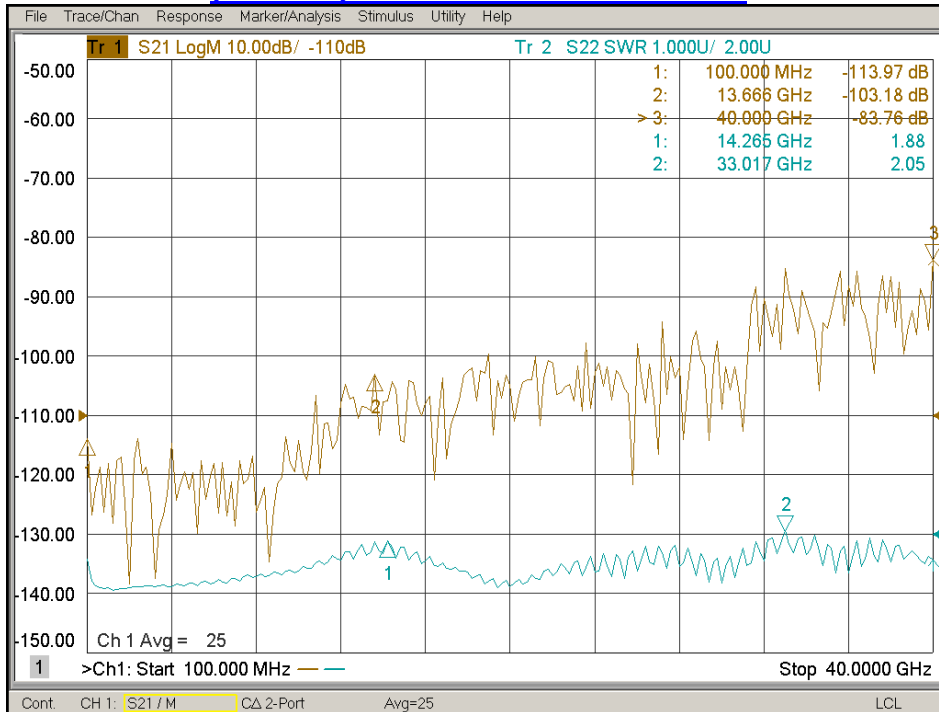
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**(J17-J10) Insertion Loss and Return Loss**



**(J17-J10) Isolation and Termination**

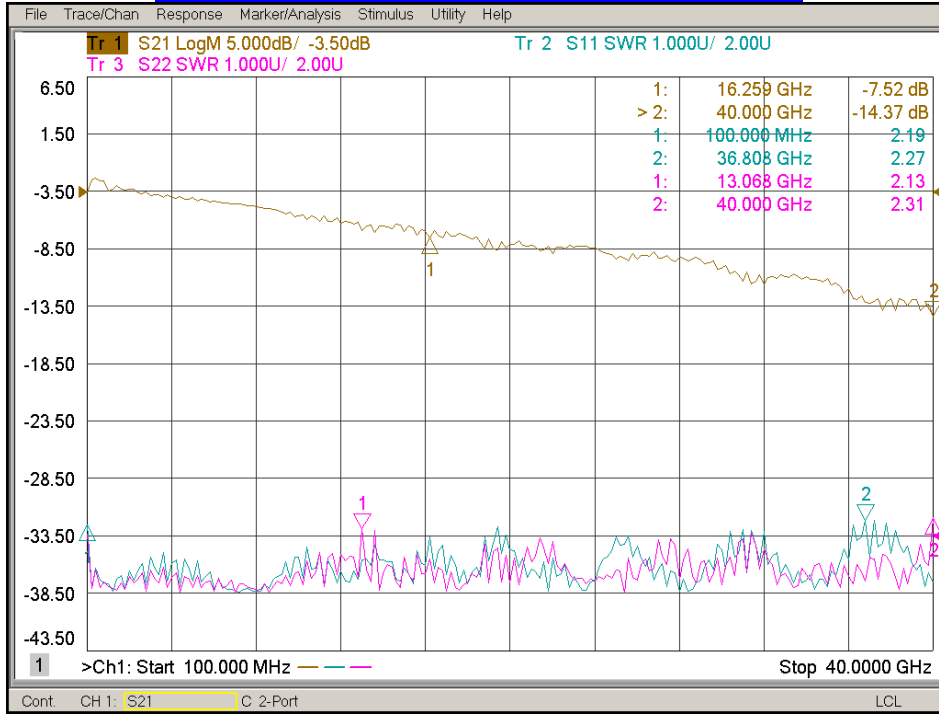




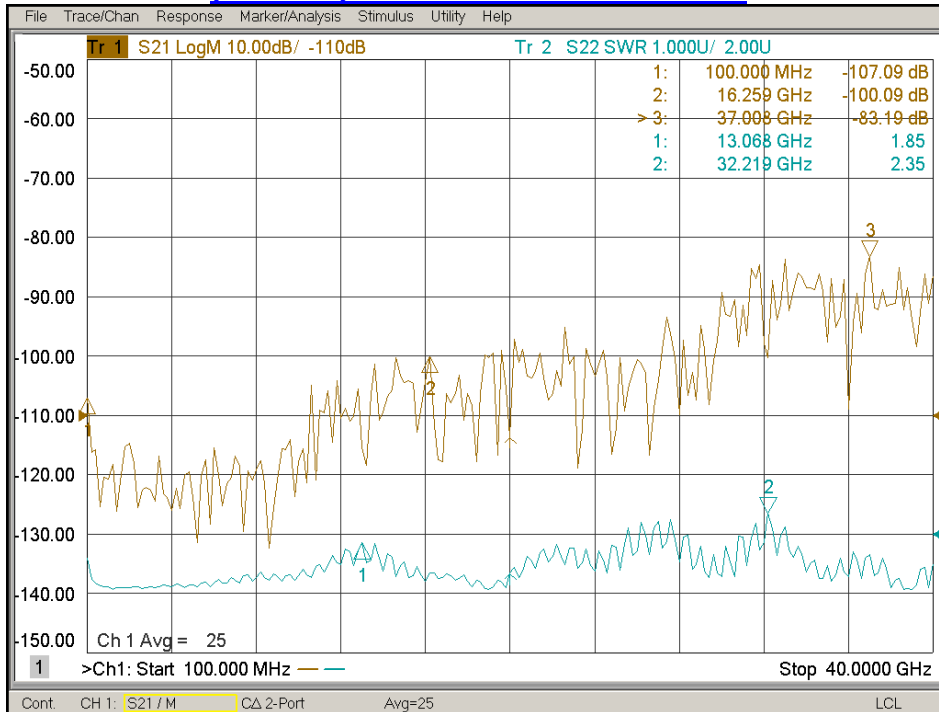
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**(J17-J11) Insertion Loss and Return Loss**



**(J17-J11) Isolation and Termination**

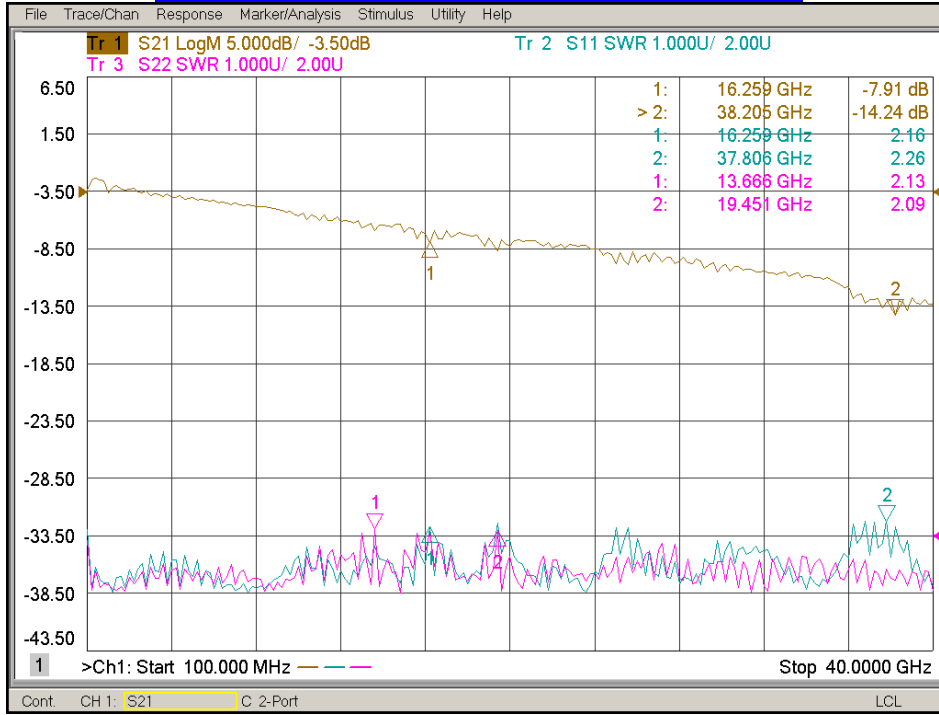




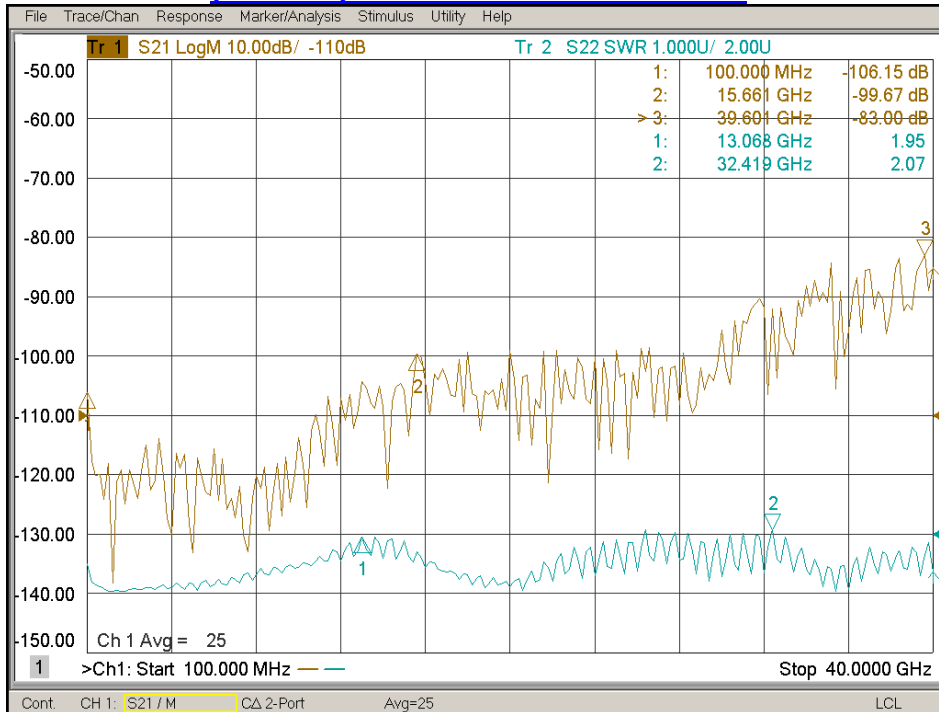
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**(J17-J12) Insertion Loss and Return Loss**



**(J17-J12) Isolation and Termination**

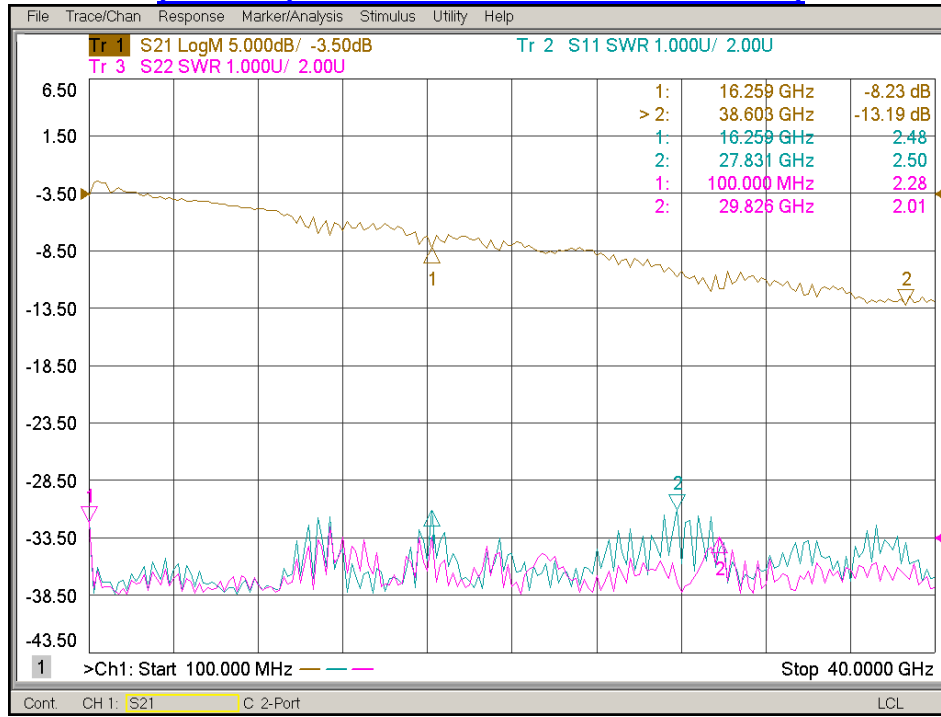




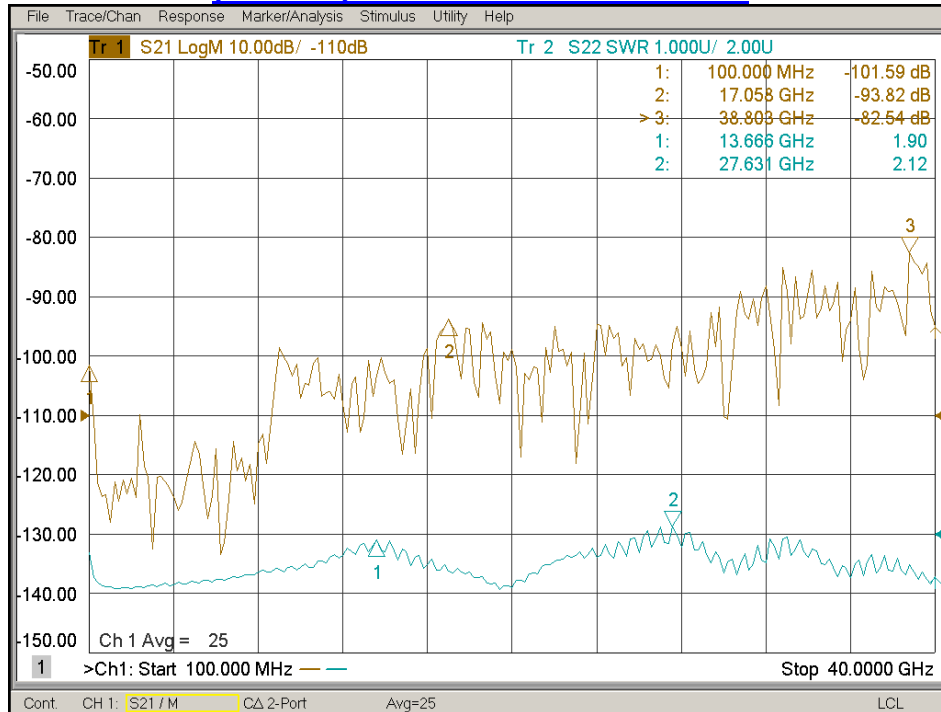
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**(J17-J13) Insertion Loss and Return Loss**



**(J17-J13) Isolation and Termination**

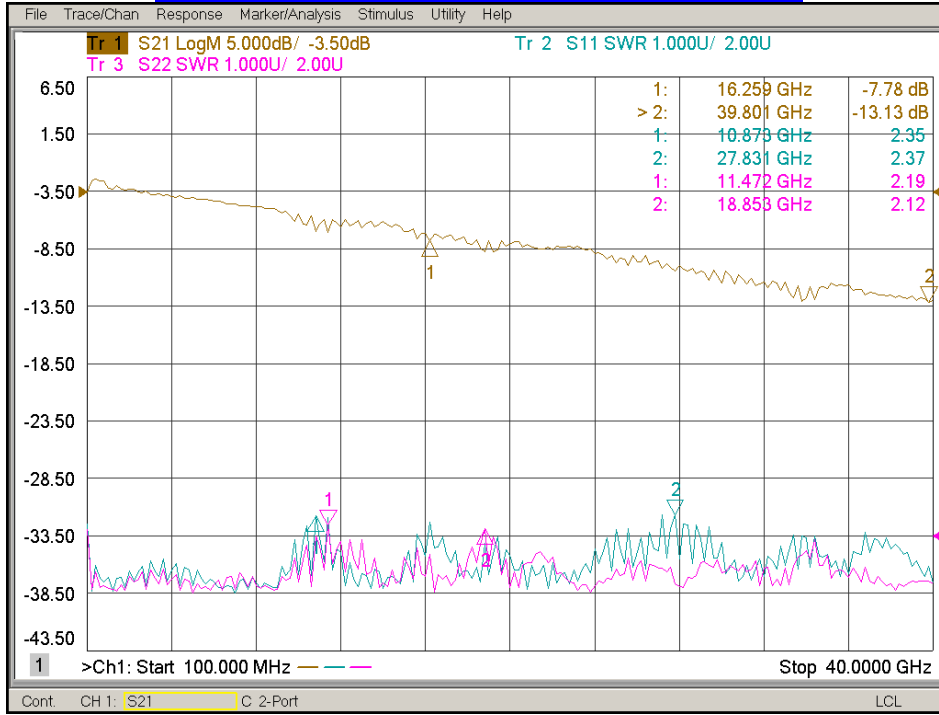




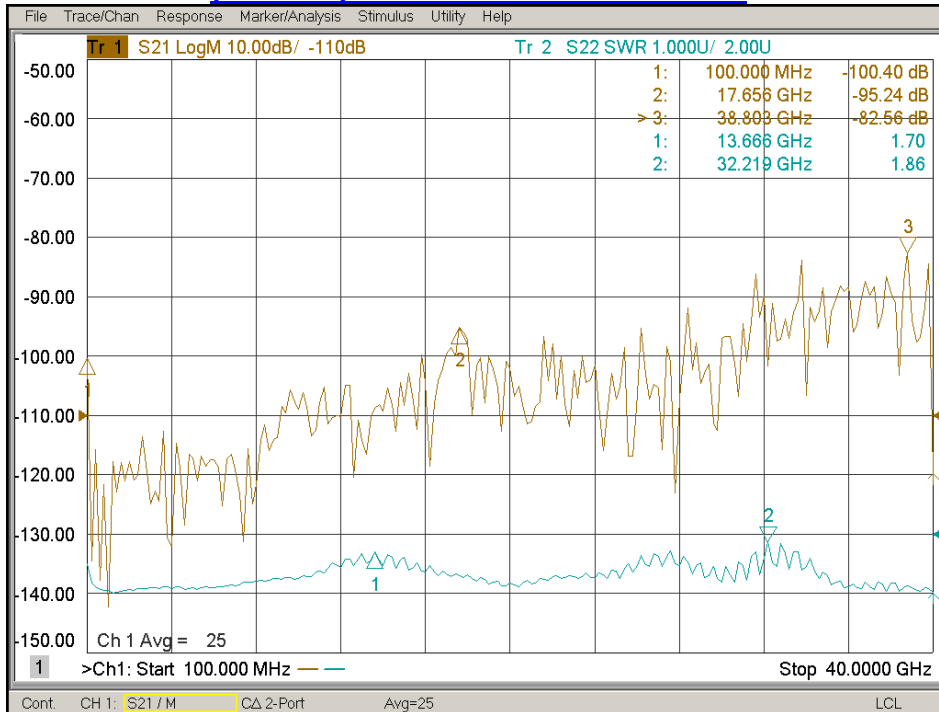
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**(J17-J14) Insertion Loss and Return Loss**



**(J17-J14) Isolation and Termination**

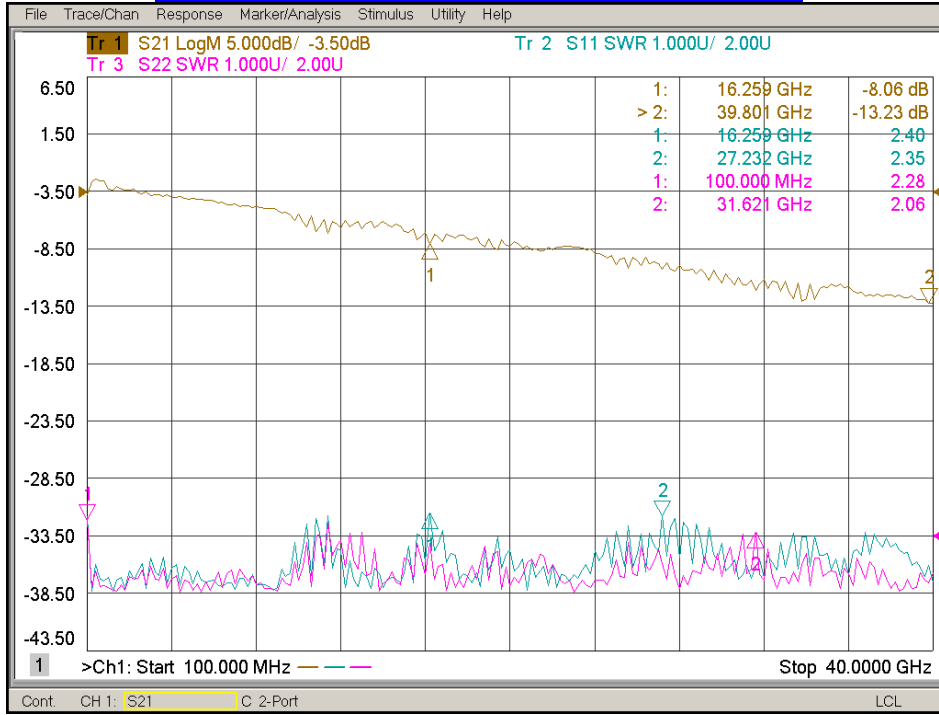




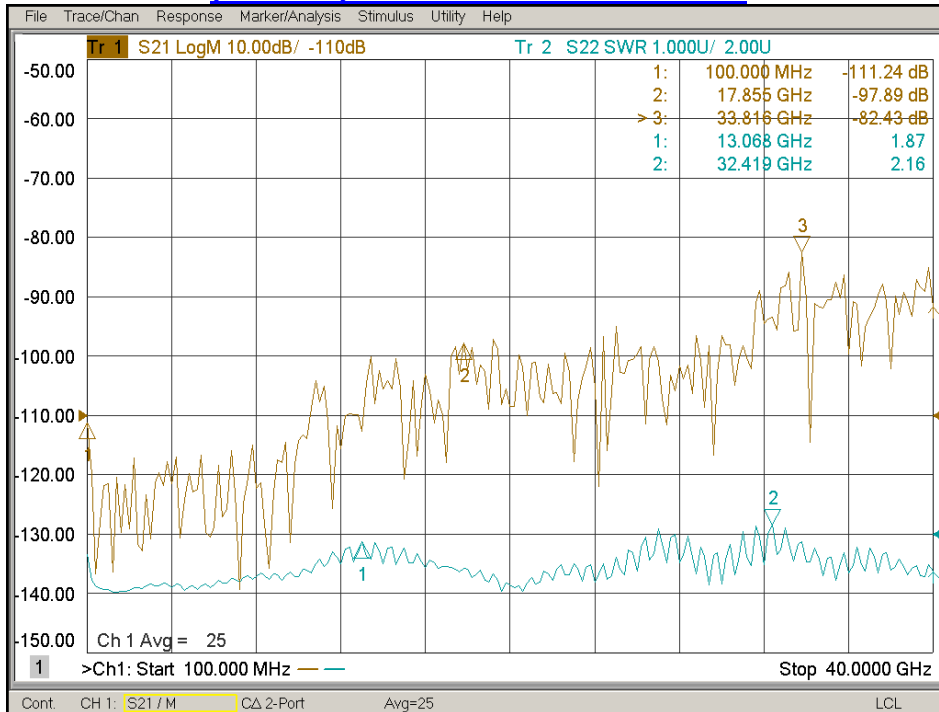
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**(J17-J15) Insertion Loss and Return Loss**



**(J17-J15) Isolation and Termination**

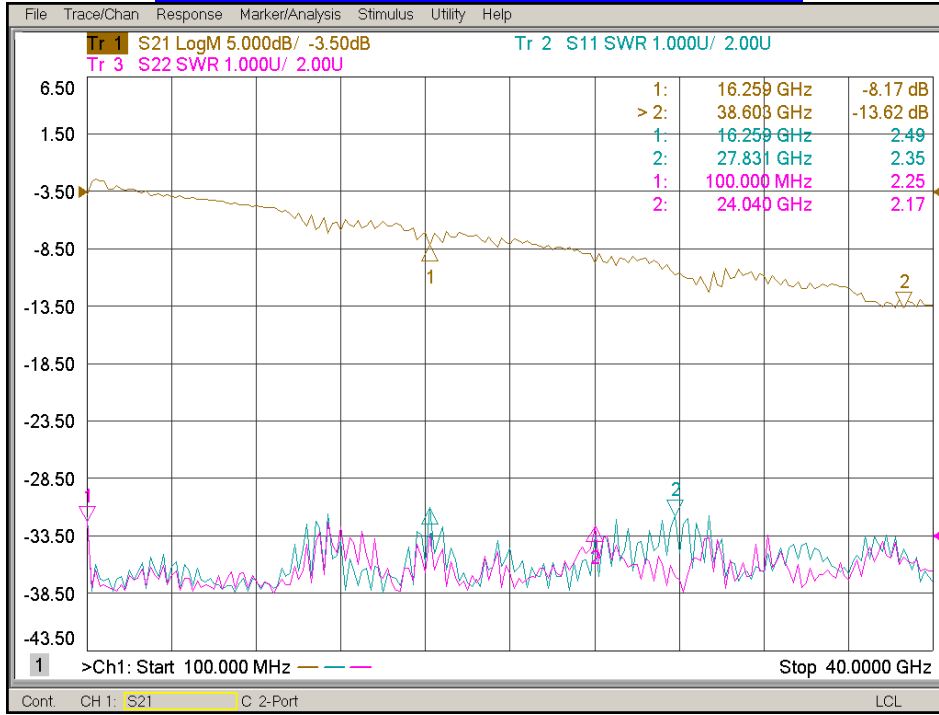




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**(J17-J16) Insertion Loss and Return Loss**



**(J17-J16) Isolation and Termination**

