



**SUMMARY TEST DATA  
ON  
P4T-50M40G-55-T-292FF**

PL27144/1946

Customer: \_\_\_\_\_ Tested By: L. McGraw  
SO No: \_\_\_\_\_ Temperature: +25°C  
Model No: P4T-50M40G-55-T-292FF Date: 11/15/19  
Serial No: PL27144/1946 Drawing No: 27618988 Rev: A1

| TEST. ITEM NO | PARAMETERS       | SPECIFIED VALUE   | TEST RESULTS                            | QA QC       |
|---------------|------------------|---|---|-------------|
| 1             | Frequency Range: | 50MHz to 40GHz  | 50MHz to 40GHz                          | PMI<br>QA 1 |
| 2             | Insertion Loss:  | 8dB Max   | 6.4dB<br>(See Plot)                     |             |
| 3             | Isolation        | 55dB Min  | 74dB<br>(See Plot)                      |             |
| 4             | VSWR:            | 2.5:1 Max   | 2.4:1<br>(See Plot)                     |             |
| 5             | Speed:           | 50% TTL to 10%/90% RF<br>85ns Typ, 100ns Max                              | <20ns<br>See Typical<br>Characteristics |             |
| 6             | Input Power:     | +20dBm CW   | Pass<br>See Typical<br>Characteristics  |             |
| 7             | Survival Power:  | 0.5W CW, 5W Peak, 1us   | Pass<br>See Typical<br>Characteristics  |             |
| 8             | Control TTL      | 4 Line Independent<br>Logic "0" = Insertion Loss<br>Logic "1" = Isolation | Pass                                    |             |
| 9             | Power Supply:    | +12 to +15VDC @ 150mA *<br>-12 to -15VDC @ 100mA *                        | 75mA<br>100mA                           | PMI<br>QA 1 |

\*Voltage Regulation & Reverse Bias Protection Included

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

PMI  
QA 1

Date: \_\_\_\_\_

11/18/19

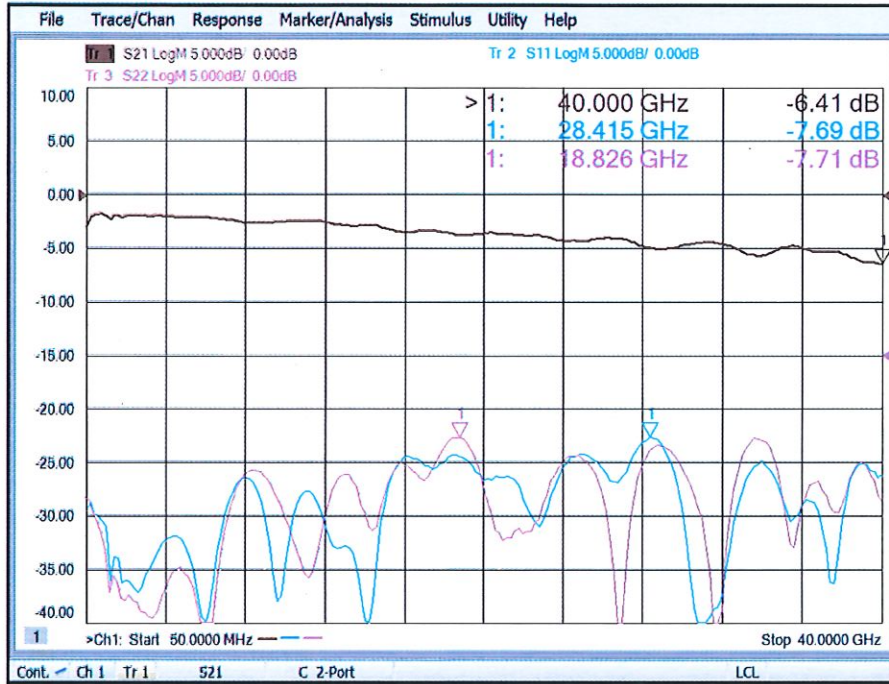
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)



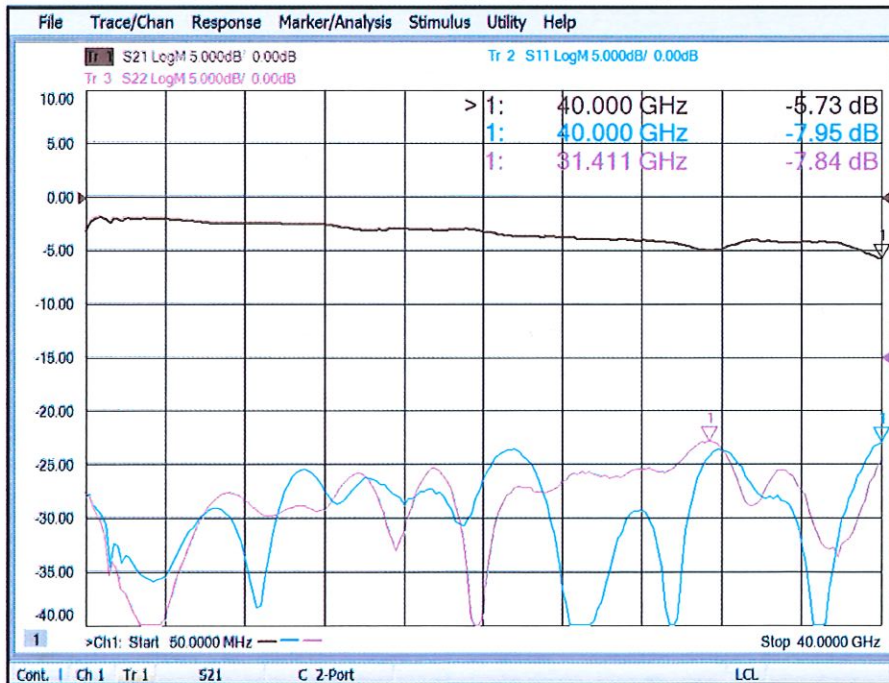
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**(J1-J2) Insertion Loss and Return Loss**



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

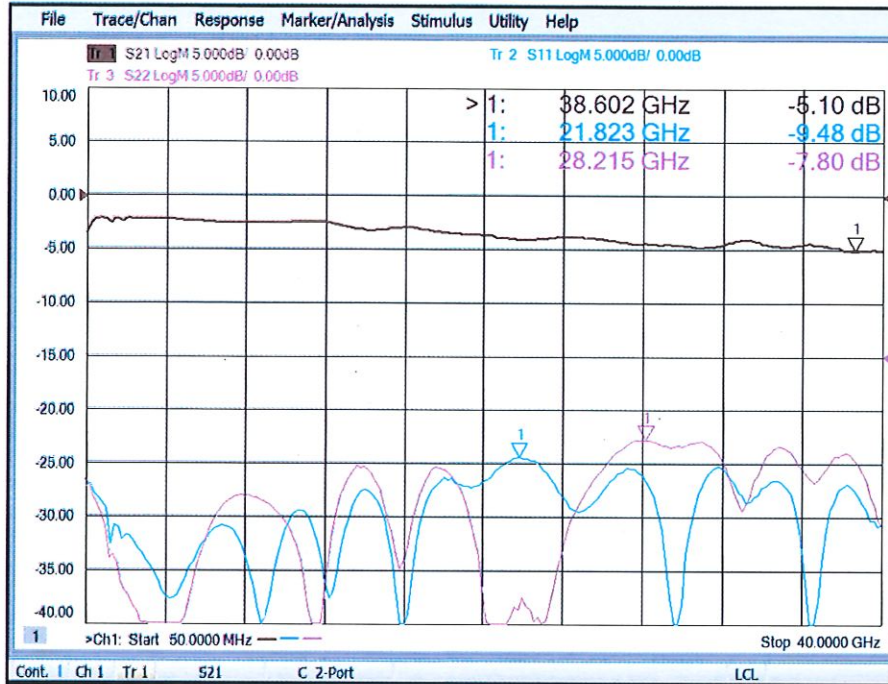




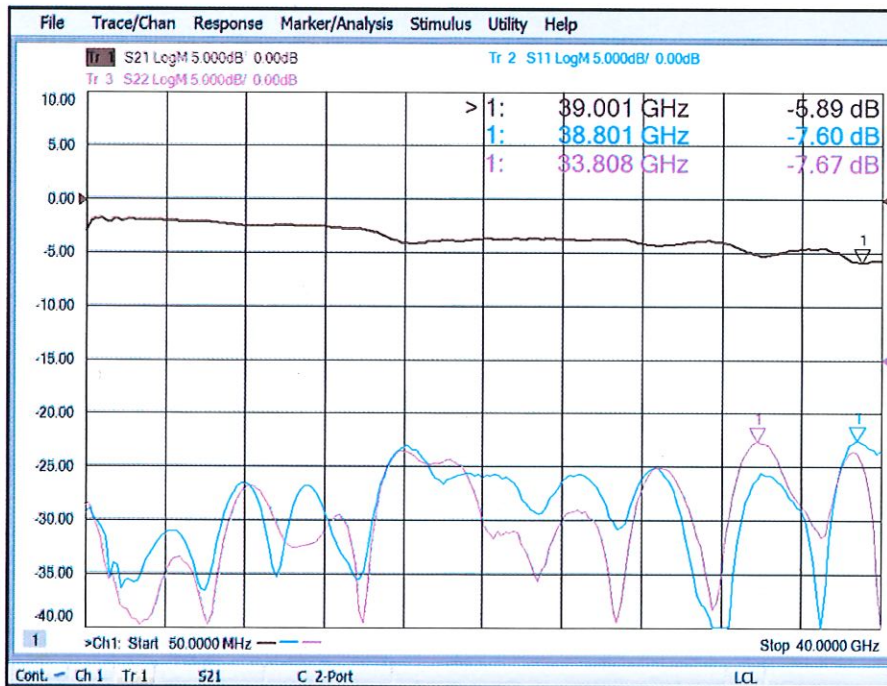
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## (J1-J4) Insertion Loss and Return Loss



## (J1-J5) Insertion Loss and Return Loss



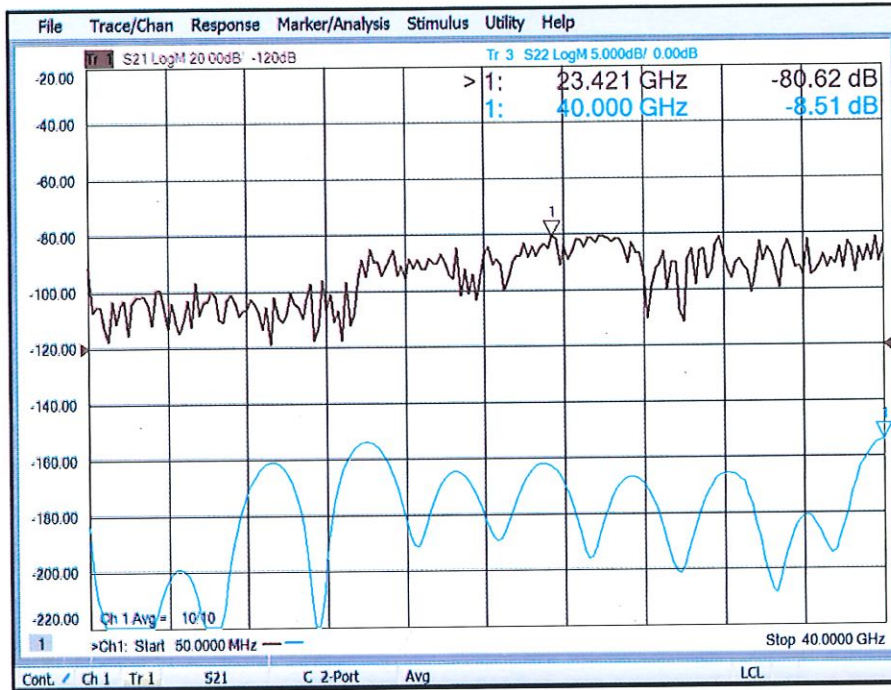
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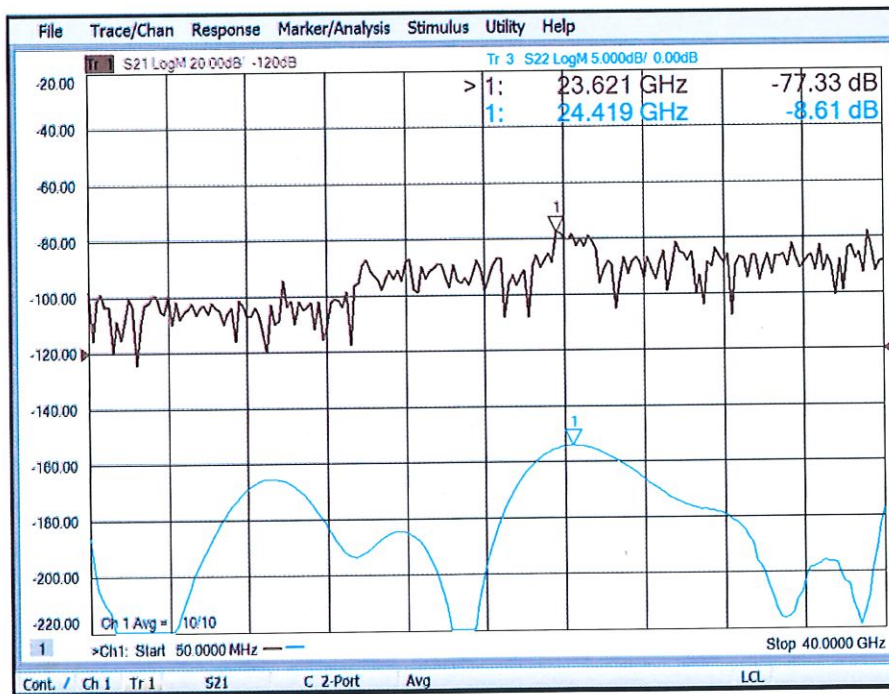
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(J1 – J2) Isolation and Termination Return Loss



(J1 – J3) Isolation and Termination Return Loss



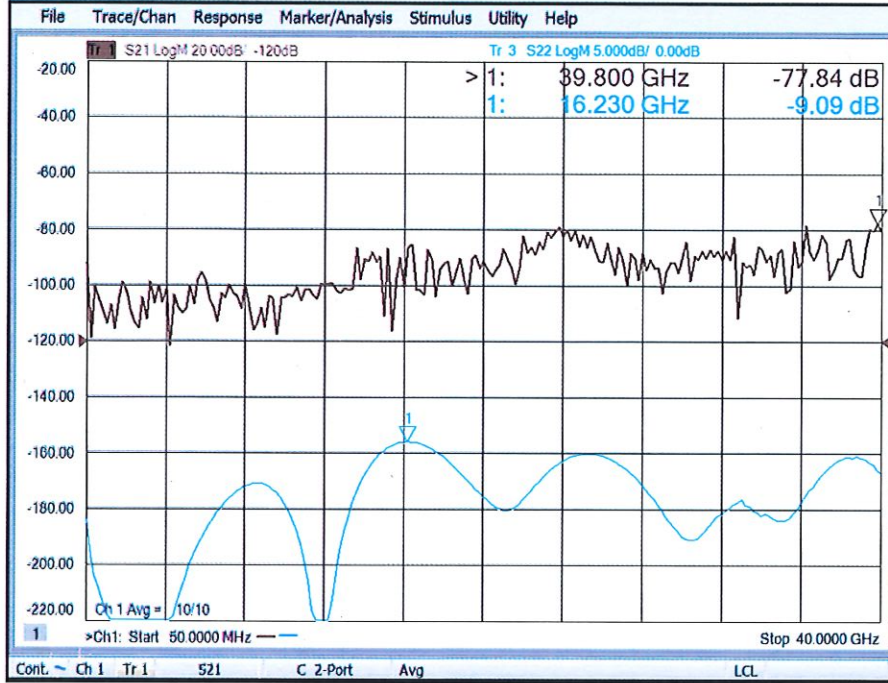
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**(J1 – J4) Isolation and Termination Return Loss**



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

