



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

PL21933/1751

Customer: _____ Tested By: A. Lopez
 SO No: _____ Temperature: +25°C
 Model No: P8T-100M40G-85-T-512-292FF-ROHS Date: 03/26/19
 Serial No: PL21933/1751 Drawing No: 27633460 Rev: A1

| TEST. ITEM NO | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | QA QC |
|---------------|------------------------|--|---|------------|
| 1 | Frequency Range: | 0.1GHz to 40GHz | 0.1GHz to 40GHz (See Plots) | PMI QA1 |
| 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) 4.82 dB (18 to 26.5 GHz) 5.90 dB (26.5 to 40 GHz) 7.92 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) 90.41 dB (18 to 26.5 GHz) 91.31 dB (26.5 to 40 GHz) 83.64 dB (See Plots) | |
| 4 | VSWR: | 2.5:1 Typ. | Input 2.90 : 1 Output 3.07 : 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 @ 74mA -12VDC @ 68mA | |

QA/QC Approval: PMI
QA1 Date: 3/26/19

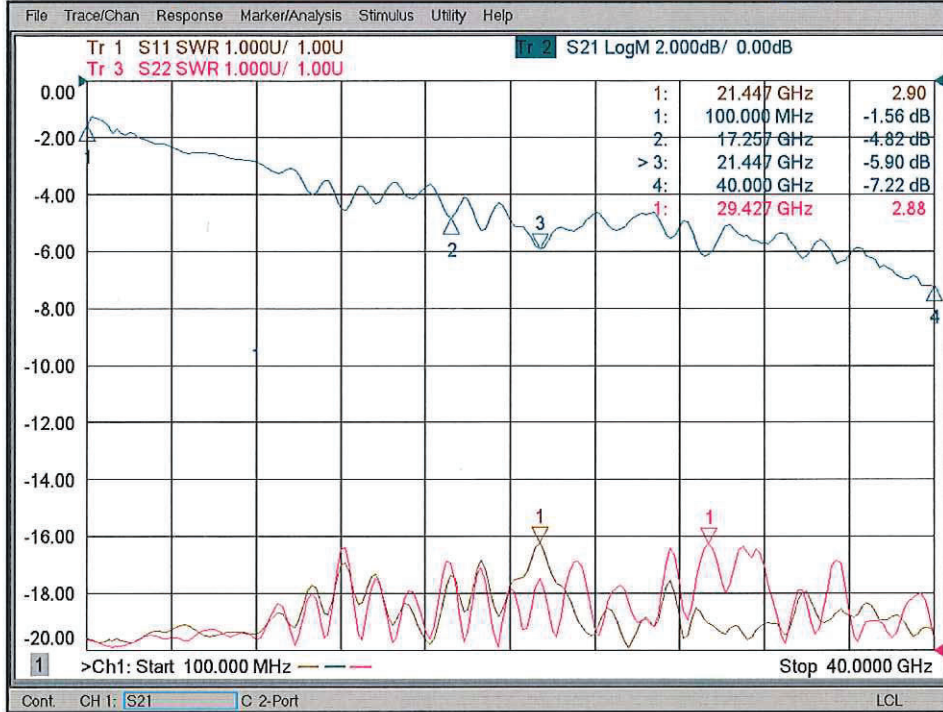
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 Email: sales@pmi-rf.com



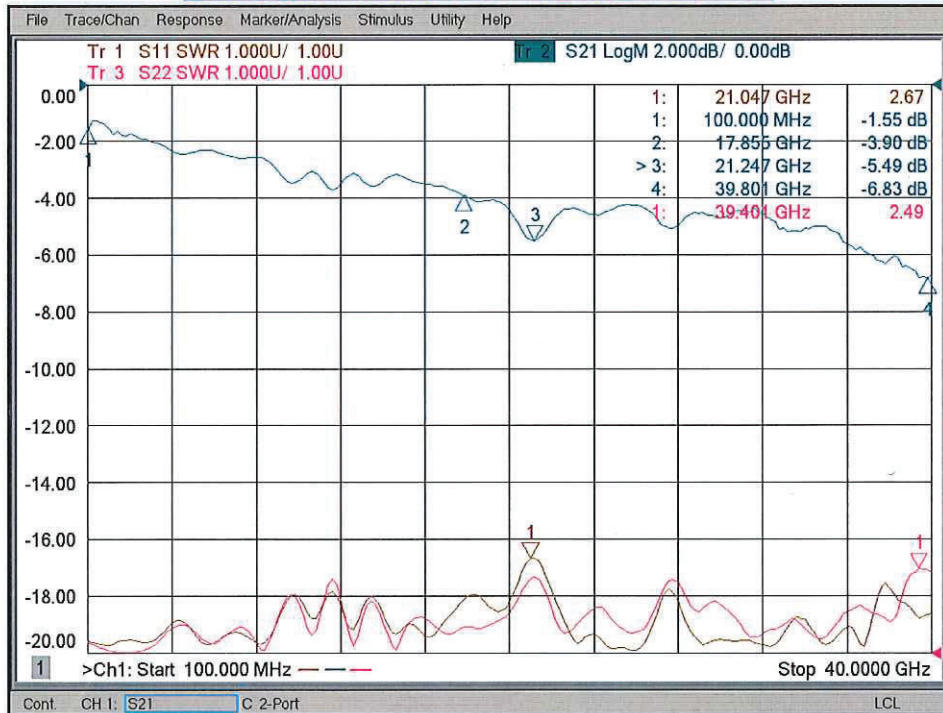
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(J1-J2) Insertion Loss and Return Loss



(J1-J3) Insertion Loss and Return Loss

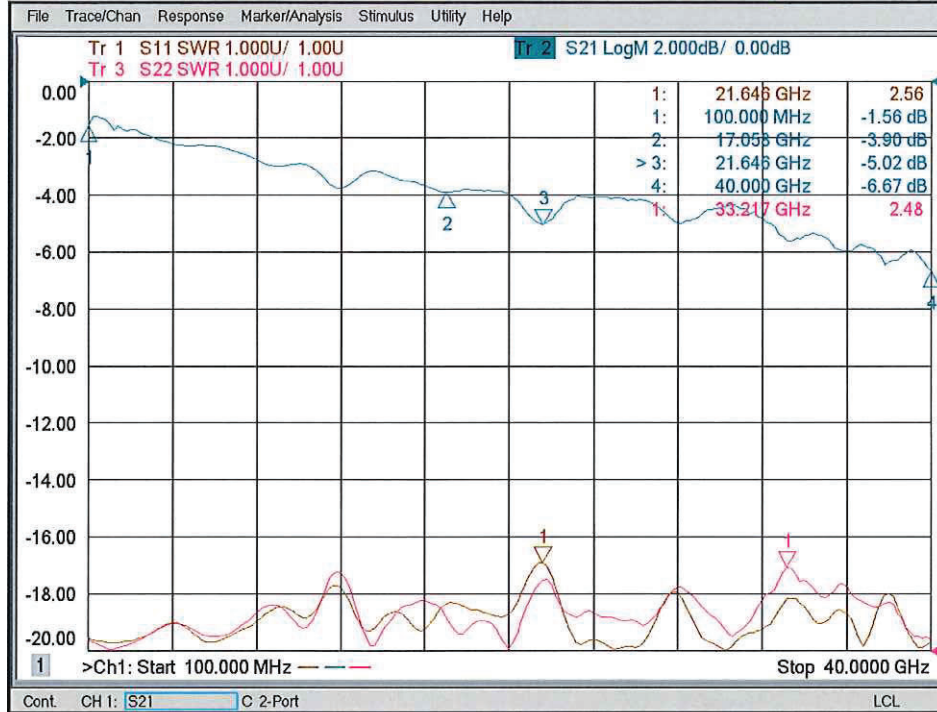




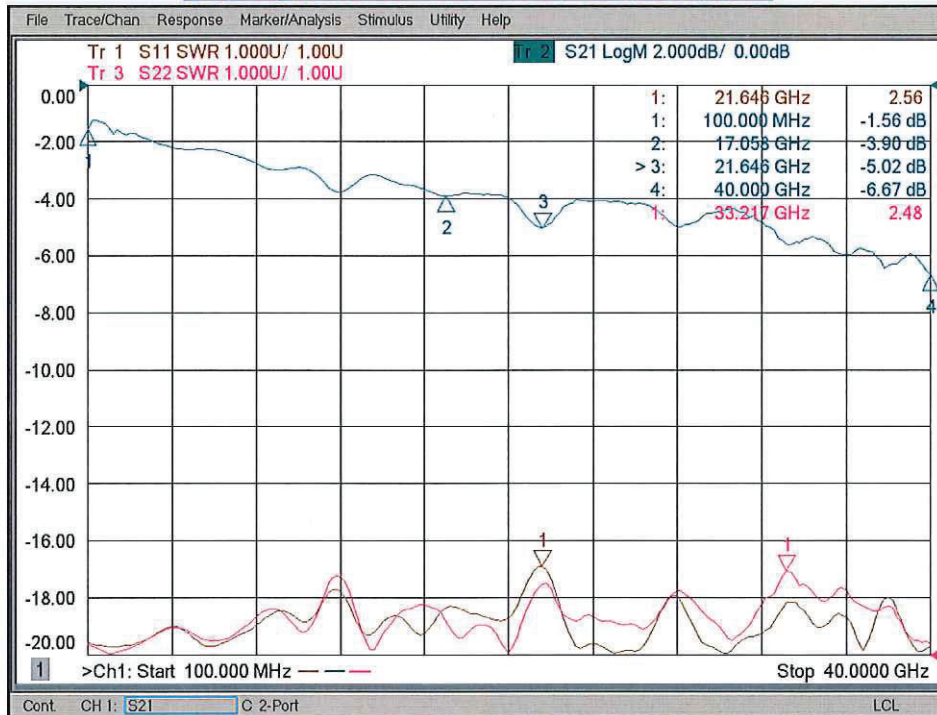
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(J1-J4) Insertion Loss and Return Loss



(J1-J5) Insertion Loss and Return Loss



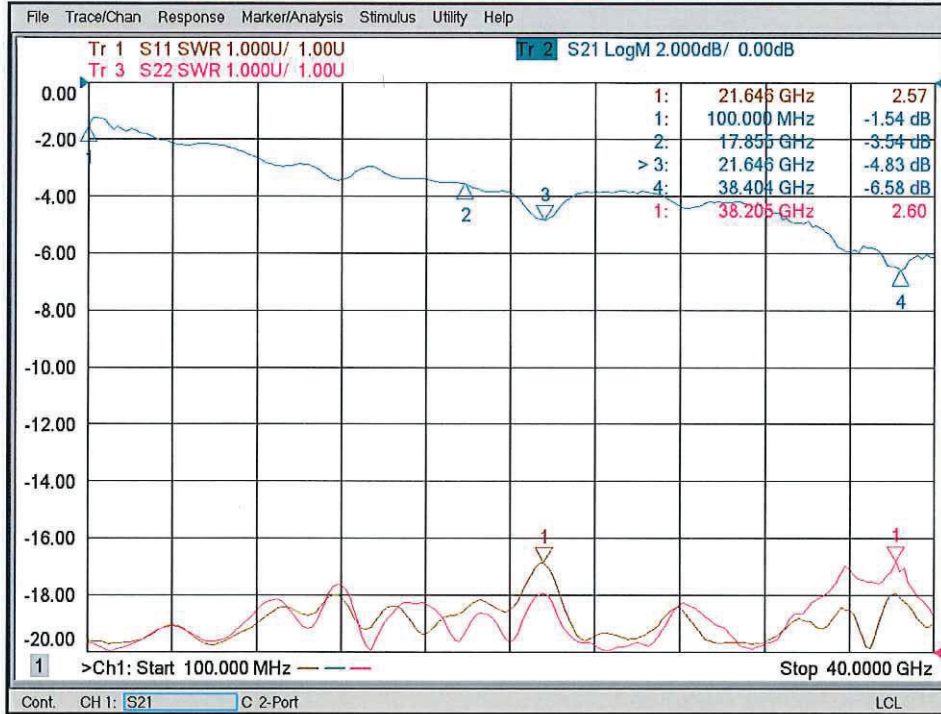
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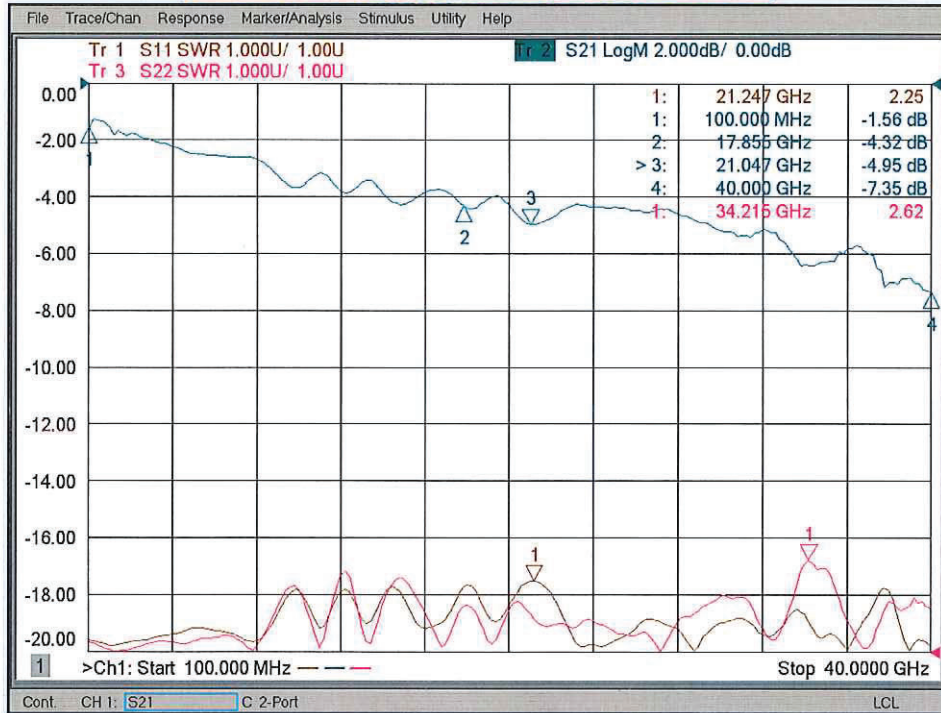
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(J1-J6) Insertion Loss and Return Loss



(J1-J7) Insertion Loss and Return Loss



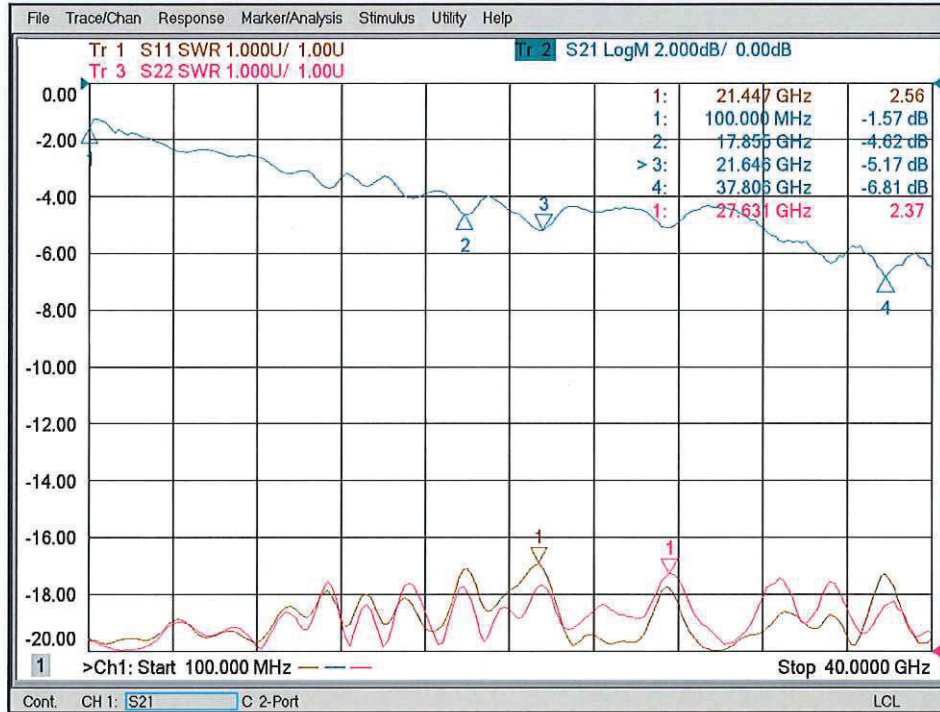
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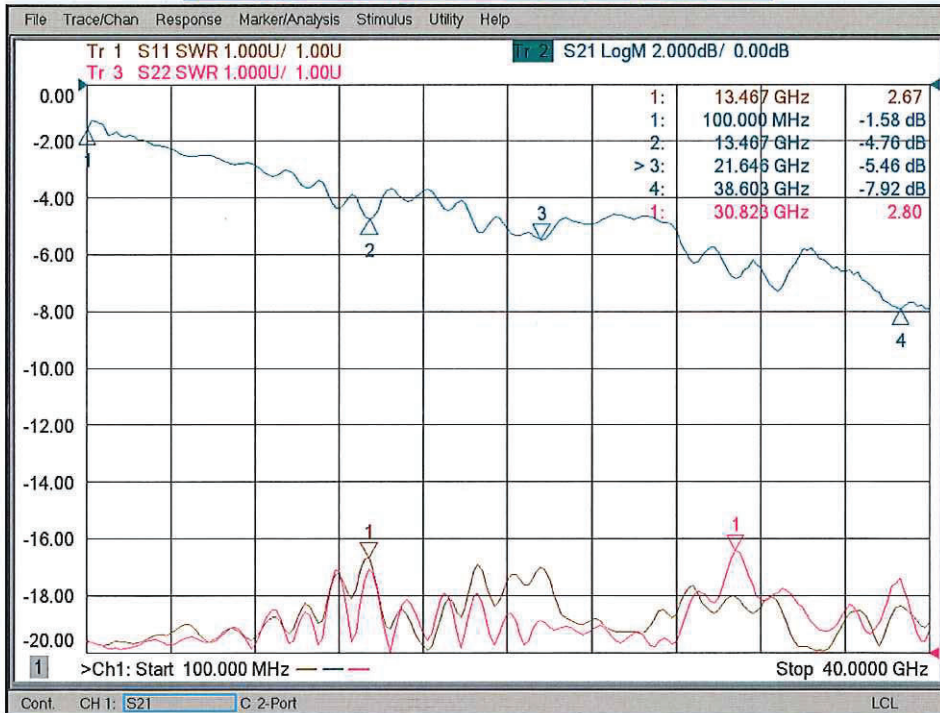
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(J1-J8) Insertion Loss and Return Loss



(J1-J9) Insertion Loss and Return Loss

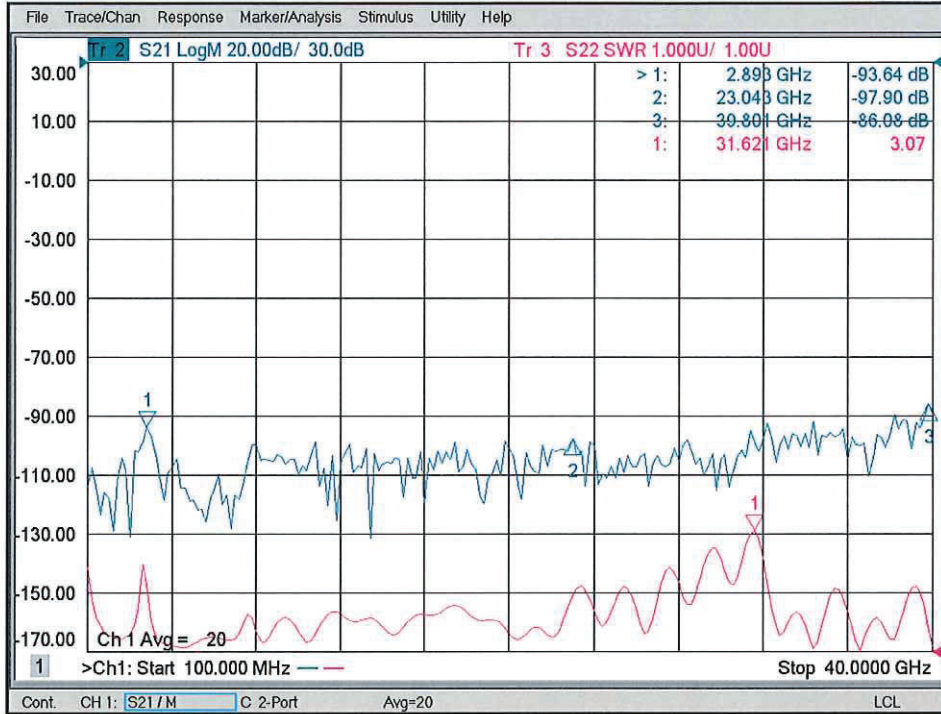




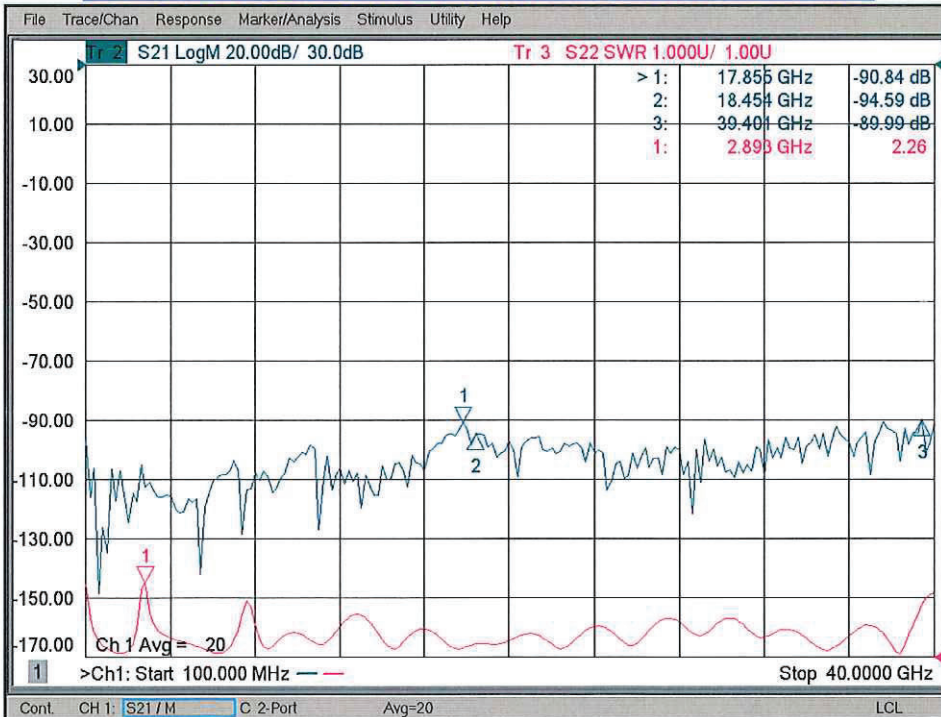
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(J1 – J2) Isolation and Termination Return Loss OFF



(J1 – J3) Isolation and Termination Return Loss OFF

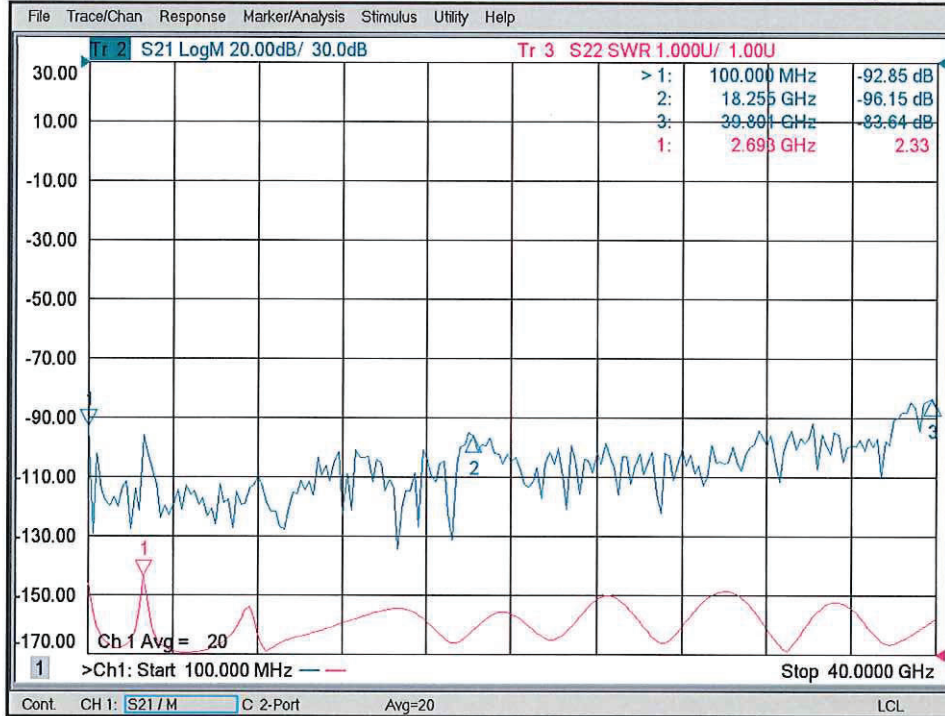




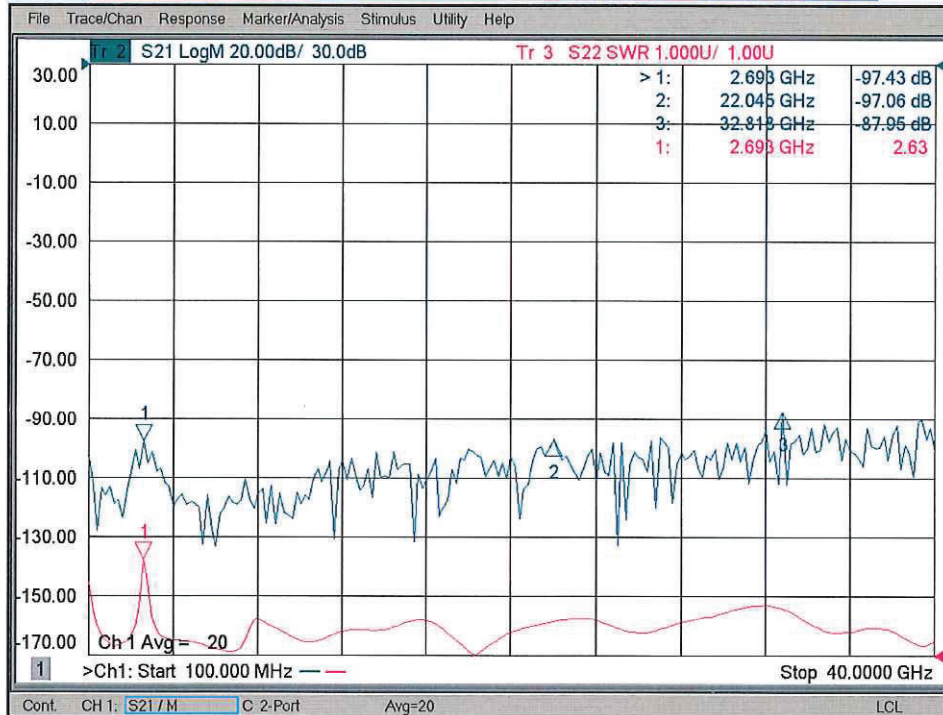
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(J1 – J4) Isolation and Termination Return Loss OFF



(J1 – J5) Isolation and Termination Return Loss OFF



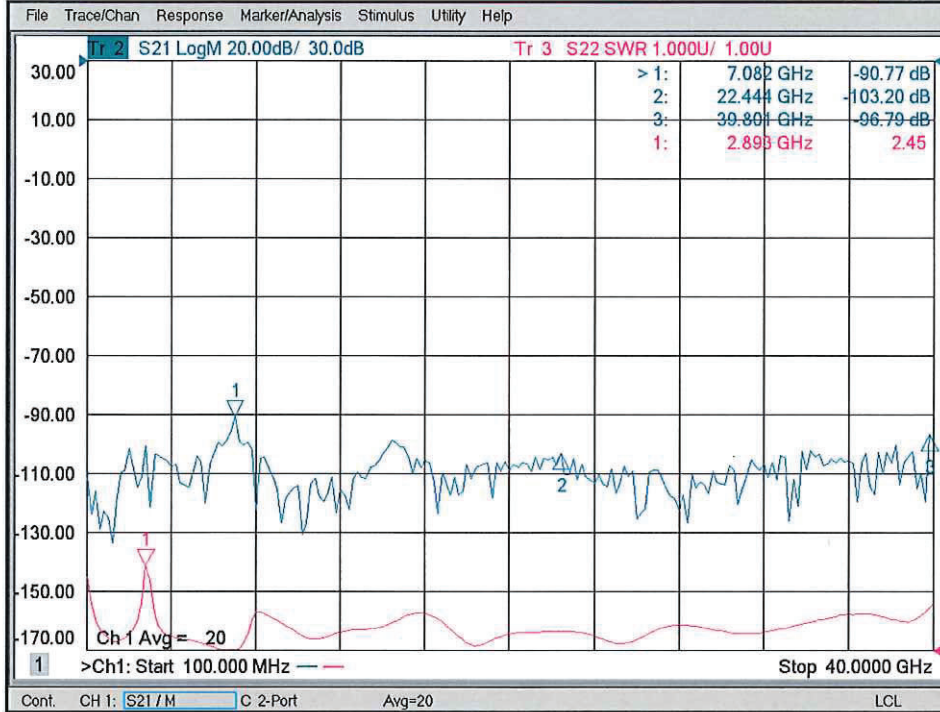
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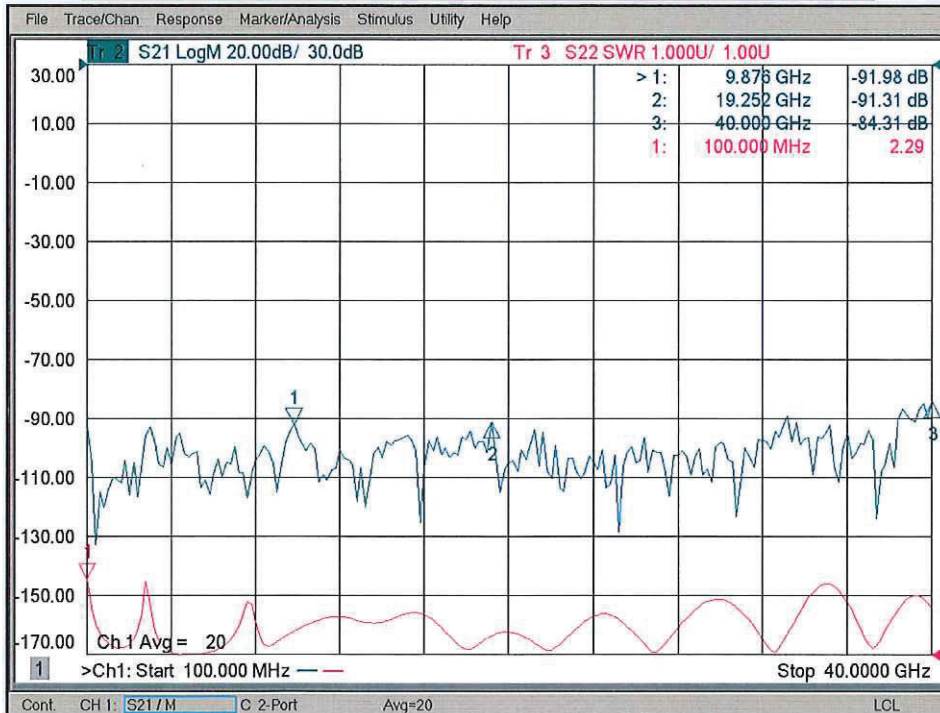
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(J1 – J6) Isolation and Termination Return Loss OFF



(J1 – J7) Isolation and Termination Return Loss OFF

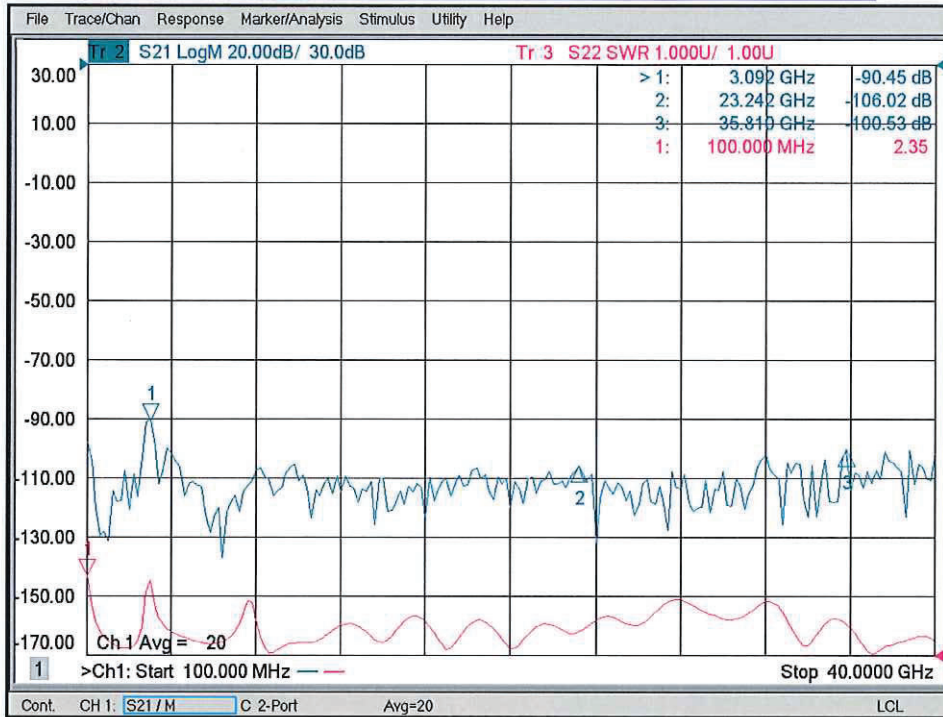




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(J1 – J8) Isolation and Termination Return Loss OFF



(J1 – J9) Isolation and Termination Return Loss OFF

