



**SUMMARY TEST DATA
ON
APD-8-3D13D5-40W-SFF**

PL19246/1623

Customer: _____ Tested By: Jerry N.
SO No: _____ Temperature: +25°C
Model No: APD-8-3D13D5-40W-SFF Date: 05/23/2016
Serial No: PL19246/1623 Drawing No: 27626081 Rev: A1

| TEST. ITEM NO | PARAMETERS | SPECIFIED VALUE | TEST RESULTS | QA QC |
|---------------|-------------------|---------------------------------|---|-------|
| 1 | Frequency Range | 3.1 TO 3.5 GHz | 3.1 TO 3.5 GHz | |
| 2 | Insertion Loss | ≤0.6 dB | 0.55dB (See Plot) | |
| 3 | Isolation | ≥23 dB | 25.0dB (See Plot) | |
| 4 | VSWR | INPUT ≤1.30:1 OUTPUT ≤1.20:1 | INPUT 1.26 :1 OUTPUT 1.14 :1 (See Plot) | |
| 5 | Amplitude Balance | ≤ ±0.2 dB | ±0.11dB (See Plot) | |
| 6 | Phase Balance | ≤ ±2° | 1.4° (See Plot) | |
| 7 | Power Handling | Forward ≤40 W Reverse ≤1 W | 40W 1W | |
| 8 | Impedance | 50 Ω | 50 Ω | |

Note: Amplitude & phase balance relative to J1 Port

QA/QC Approval: _____ Date: _____

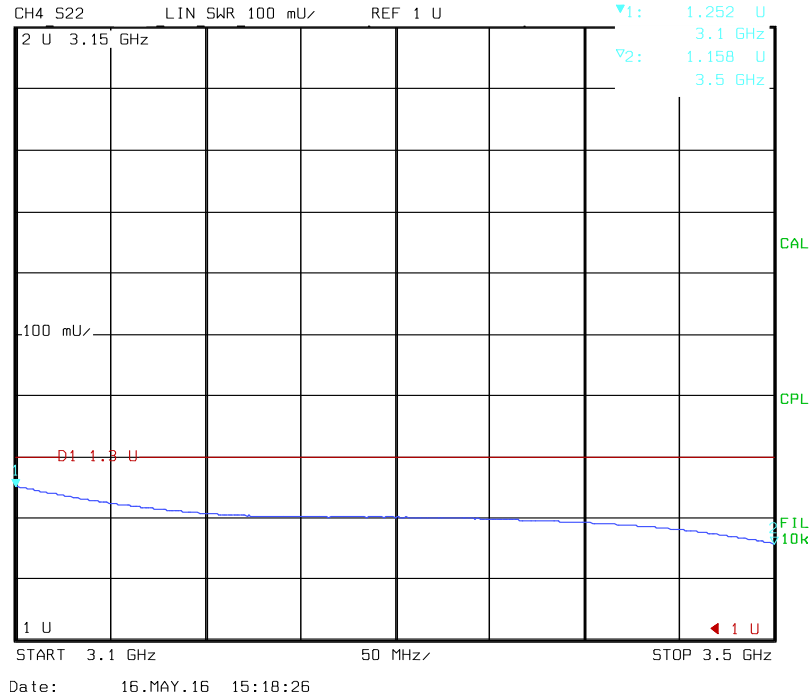
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com



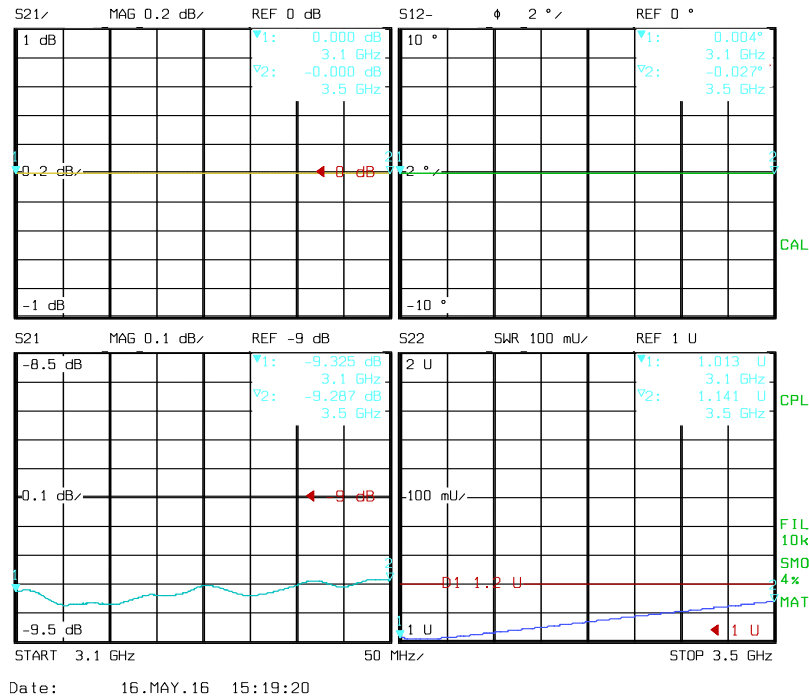
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J0 Input VSWR



J0 to J1 Amplitude Balance, Insertion Loss, Phase balance, J1 VSWR

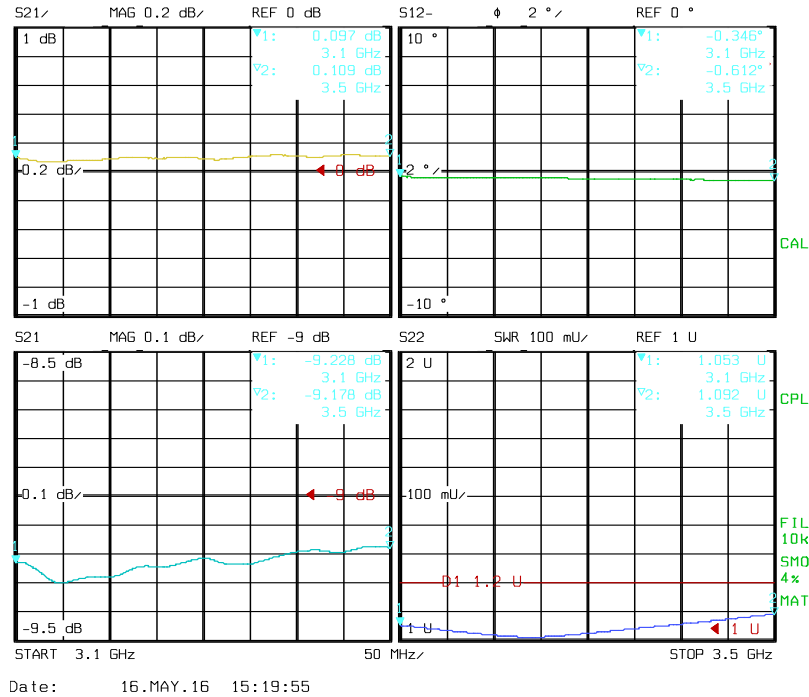




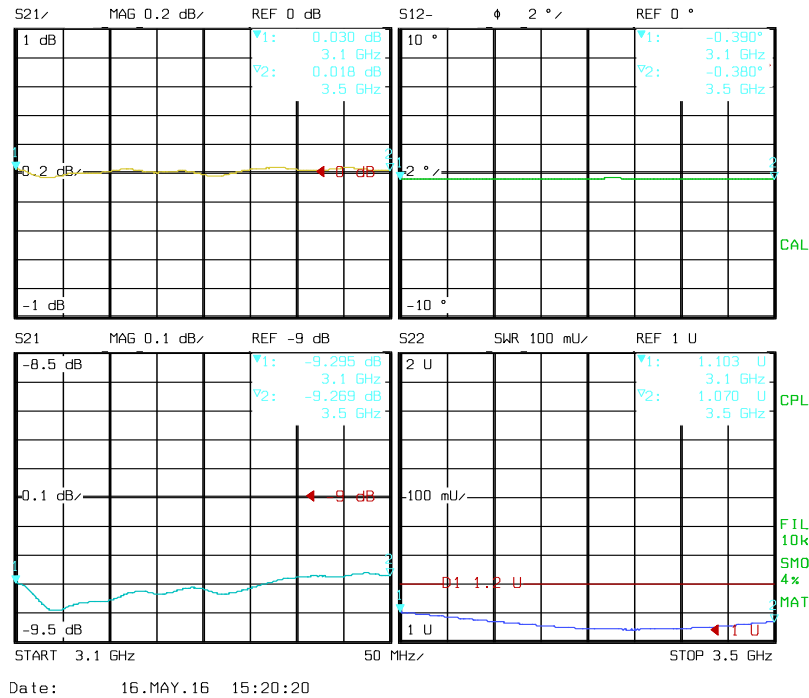
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J0 to J2 Amplitude Balance, Insertion Loss, Phase balance, J2 VSWR



J0 to J3 Amplitude Balance, Insertion Loss, Phase balance, J3 VSWR



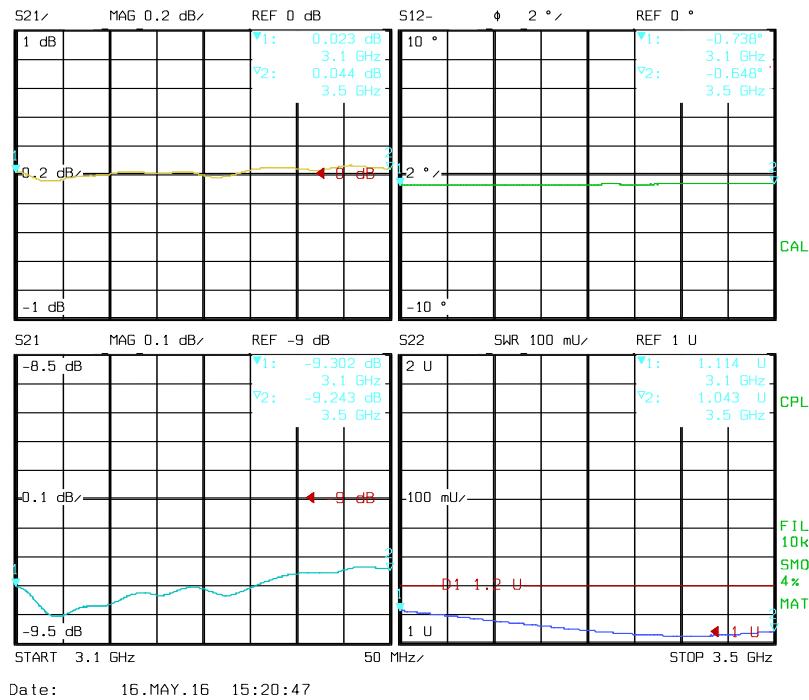
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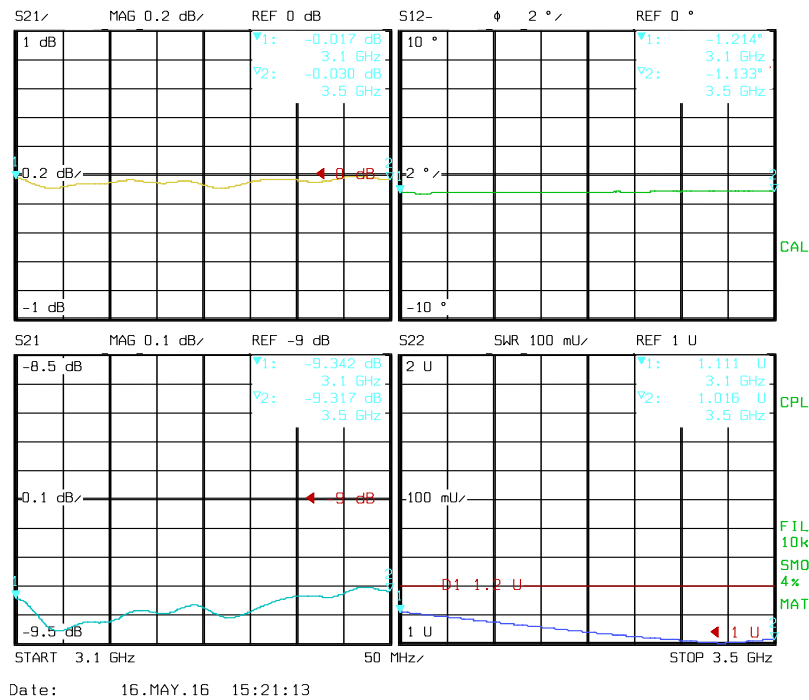
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J0 to J4 Amplitude Balance, Insertion Loss, Phase balance, J4 VSWR



J0 to J5 Amplitude Balance, Insertion Loss, Phase balance, J5 VSWR



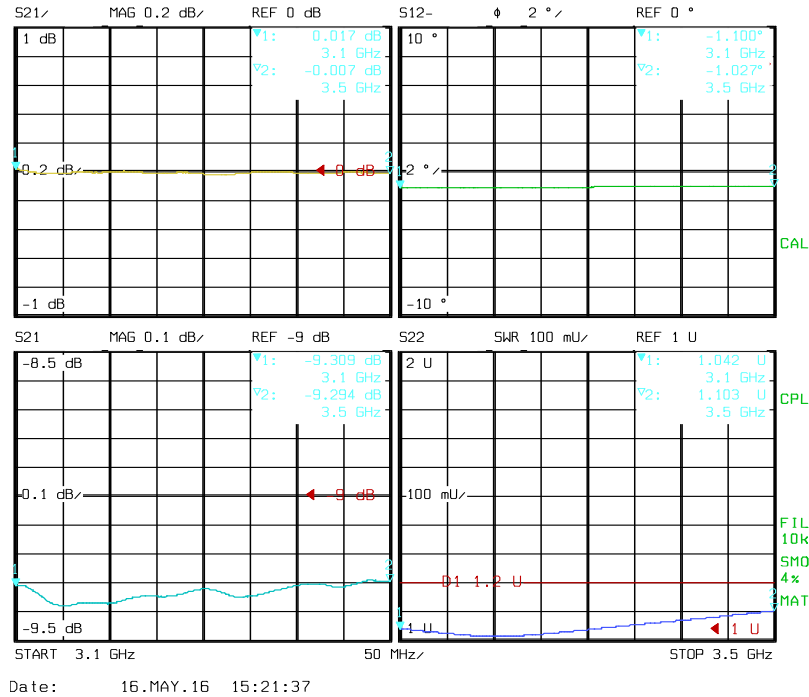
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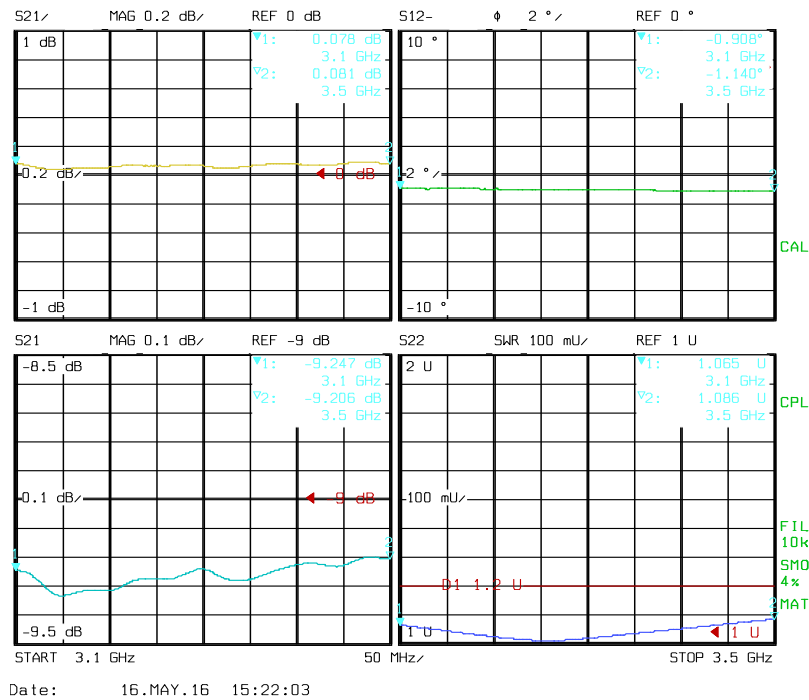
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J0 to J6 Amplitude Balance, Insertion Loss, Phase balance, J6 VSWR



J0 to J7 Amplitude Balance, Insertion Loss, Phase balance, J7 VSWR



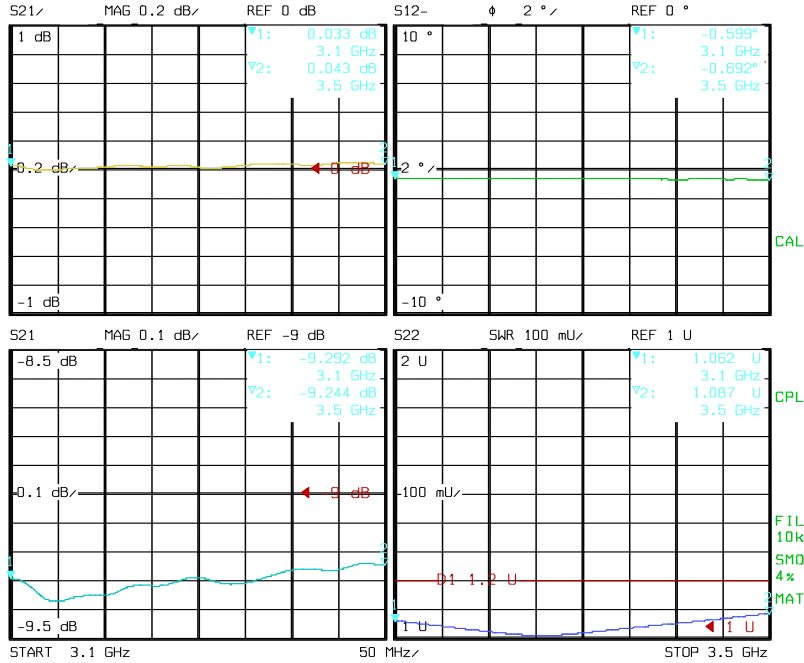
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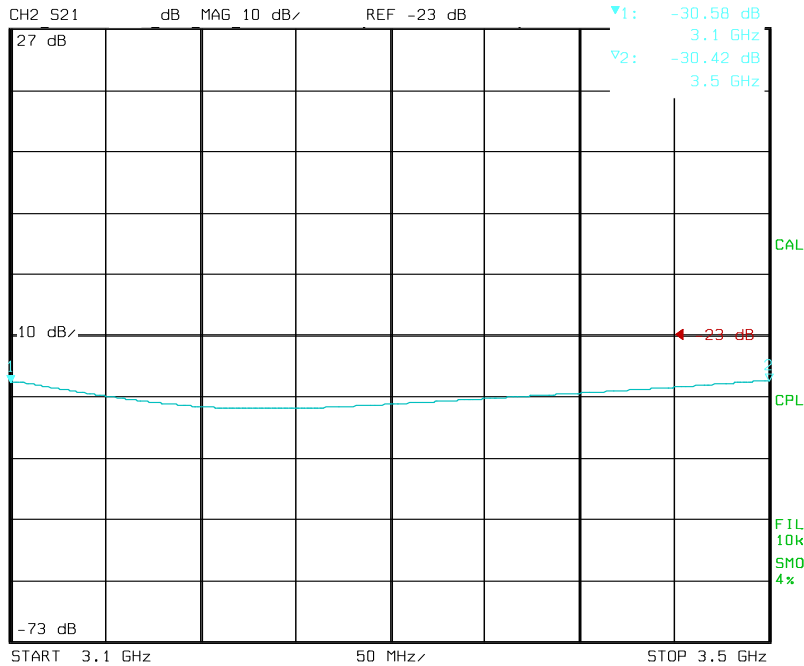
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J0 to J8 Amplitude Balance, Insertion Loss, Phase balance, J8 VSWR



Date: 16.MAY.16 15:22:27

J1- J2 Isolation



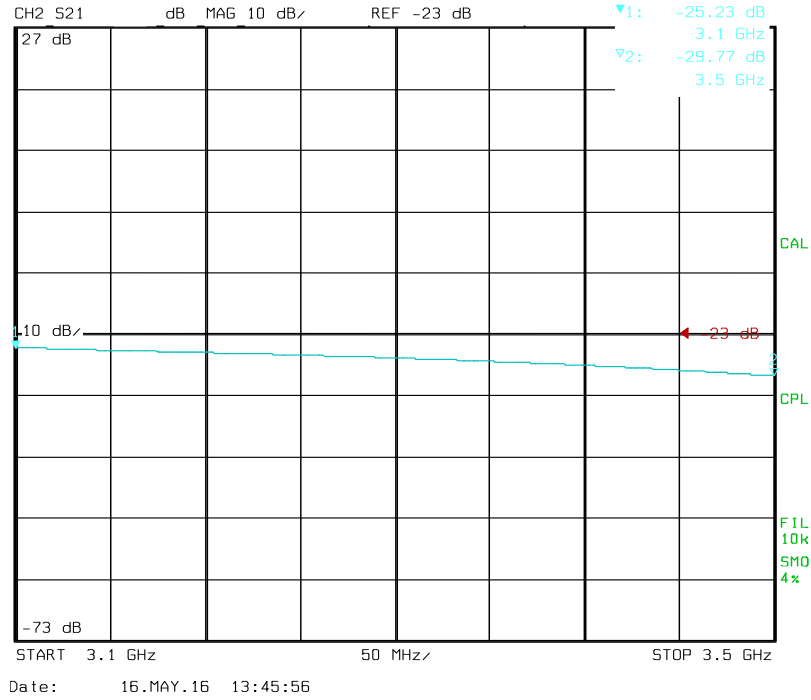
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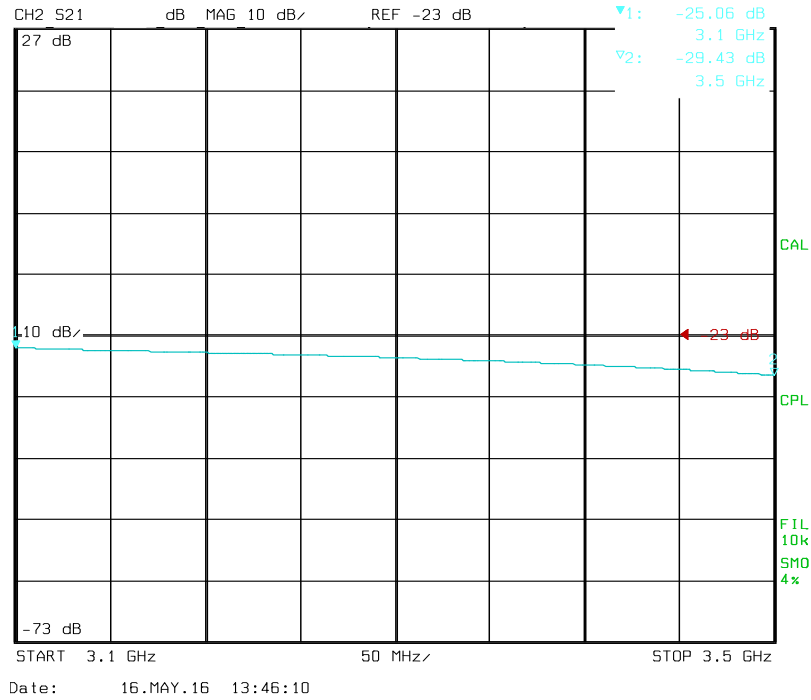
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J1- J3 Isolation



J1- J4 Isolation

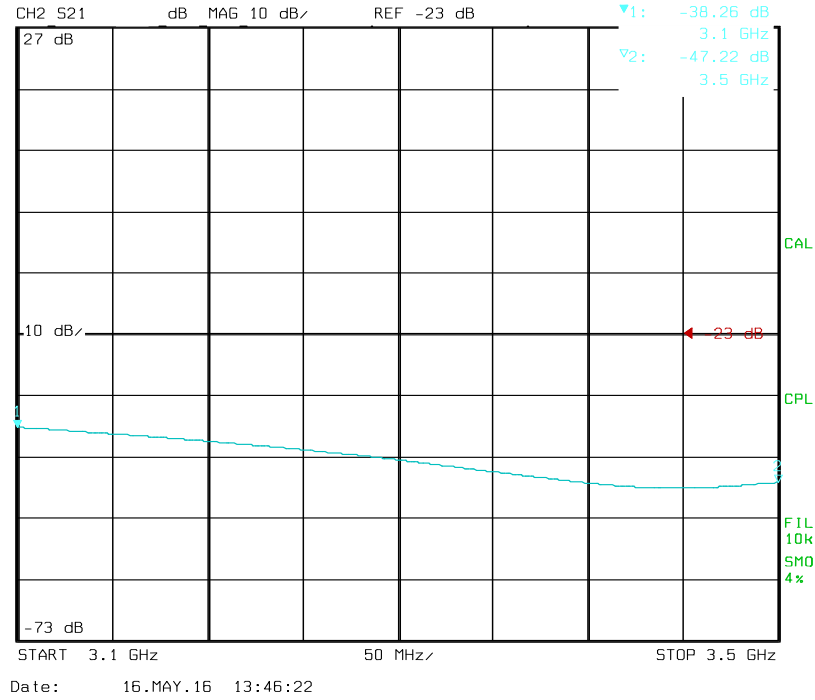




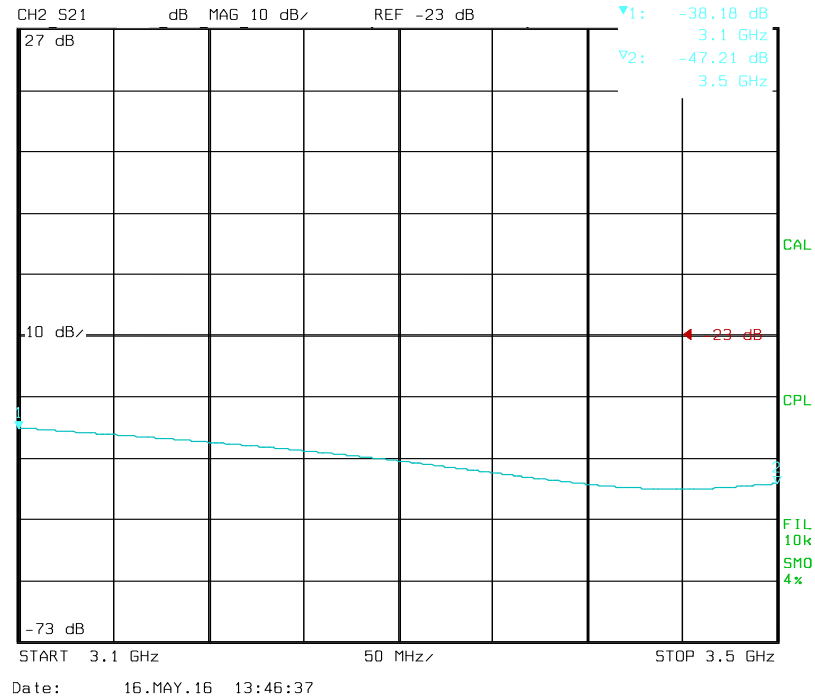
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J1- J5 Isolation



J1- J6 Isolation

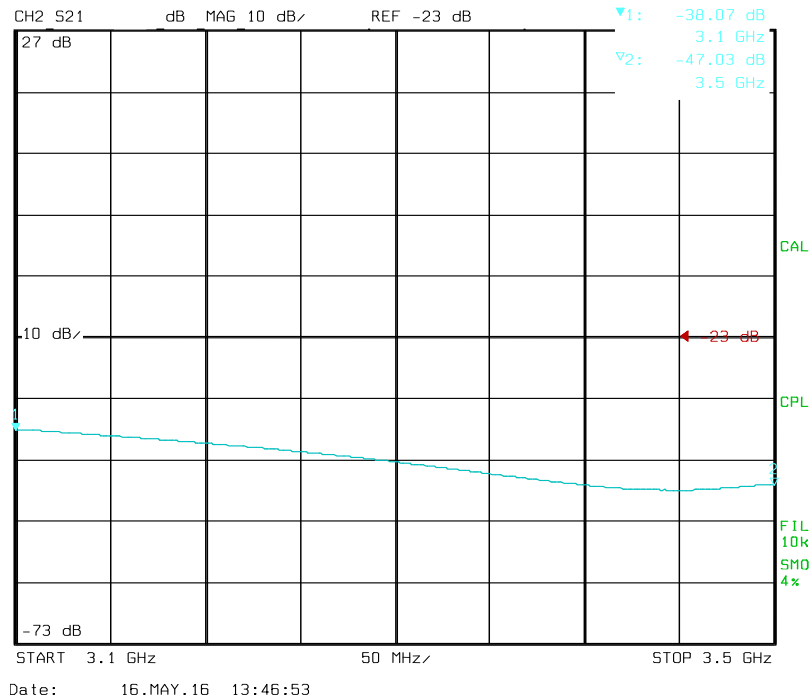




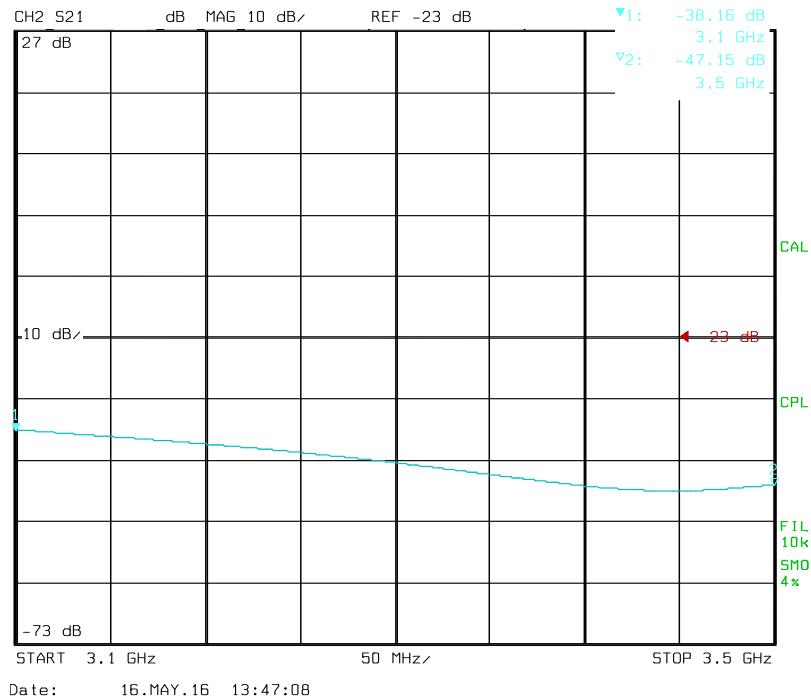
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J1- J7 Isolation



J1- J8 Isolation

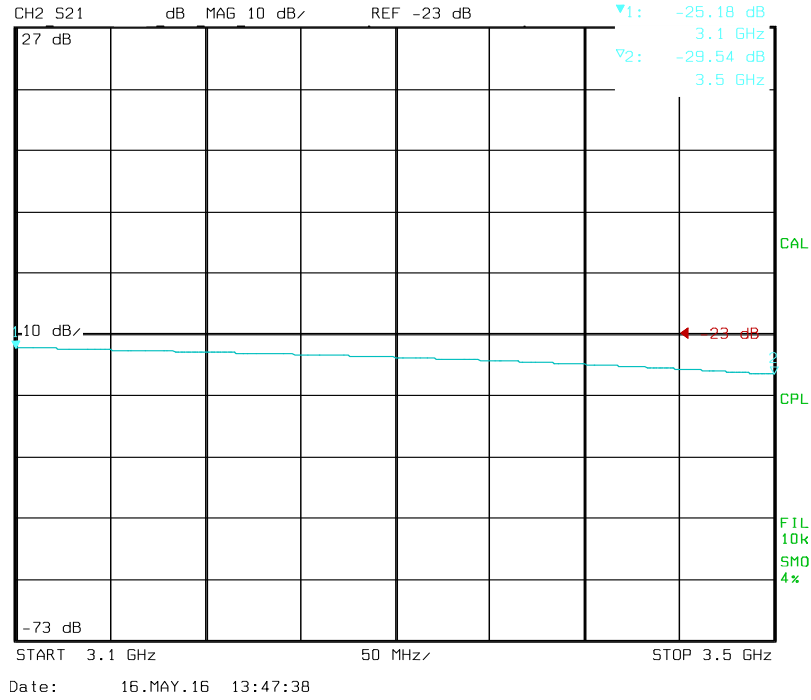




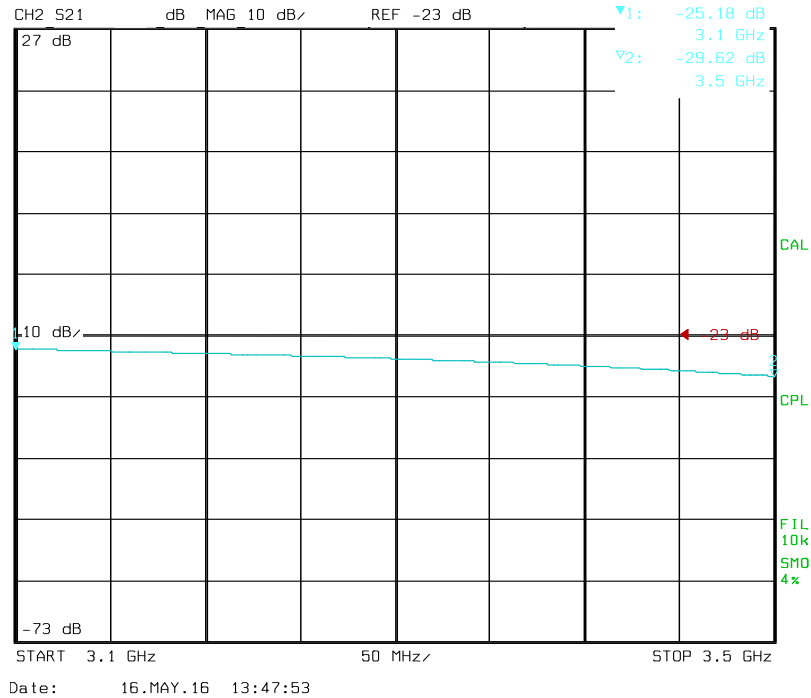
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J2- J3 Isolation



J2- J4 Isolation

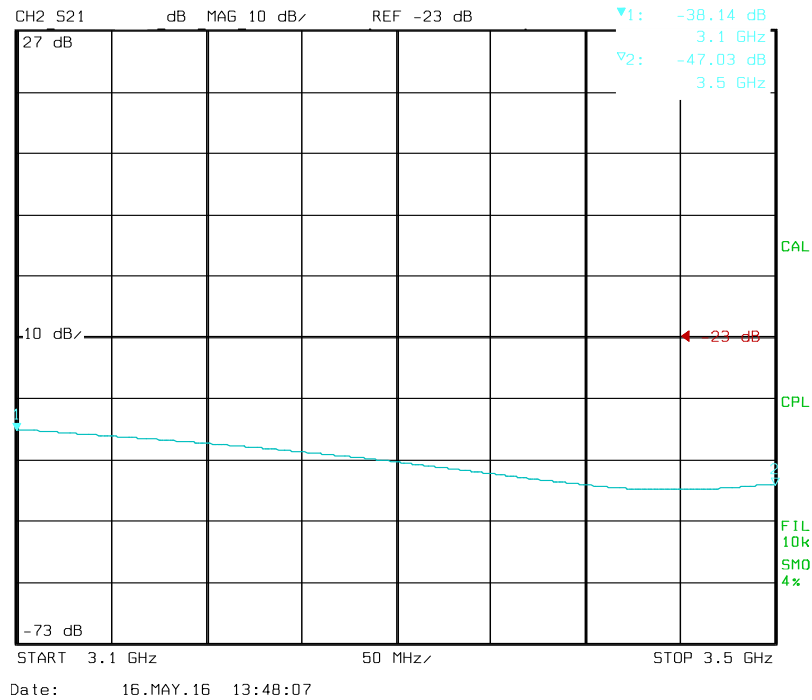




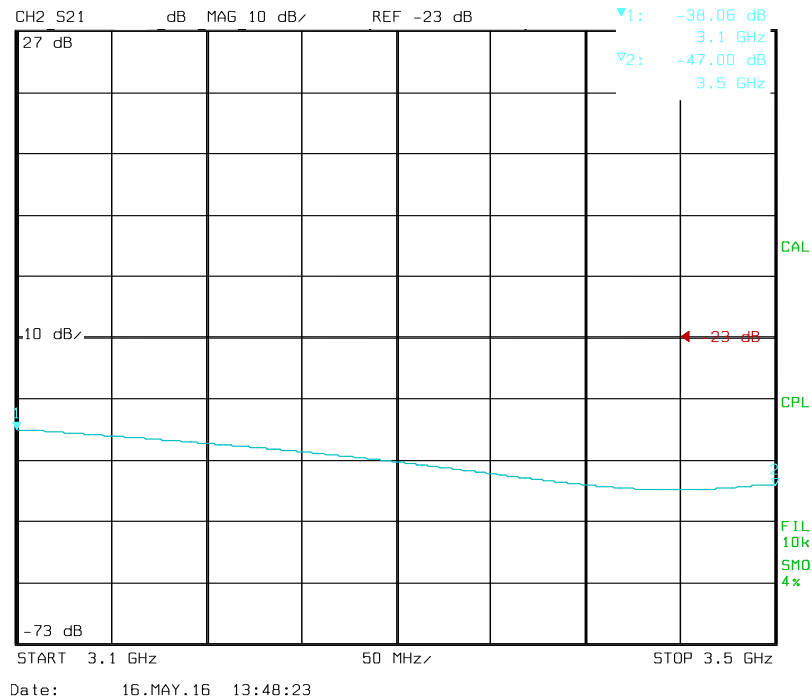
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J2- J5 Isolation



J2- J6 Isolation

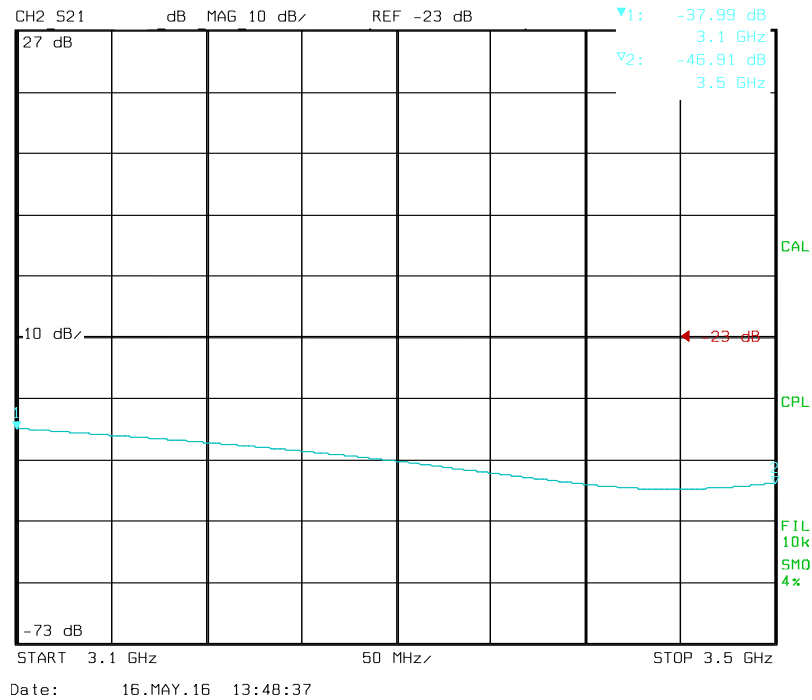




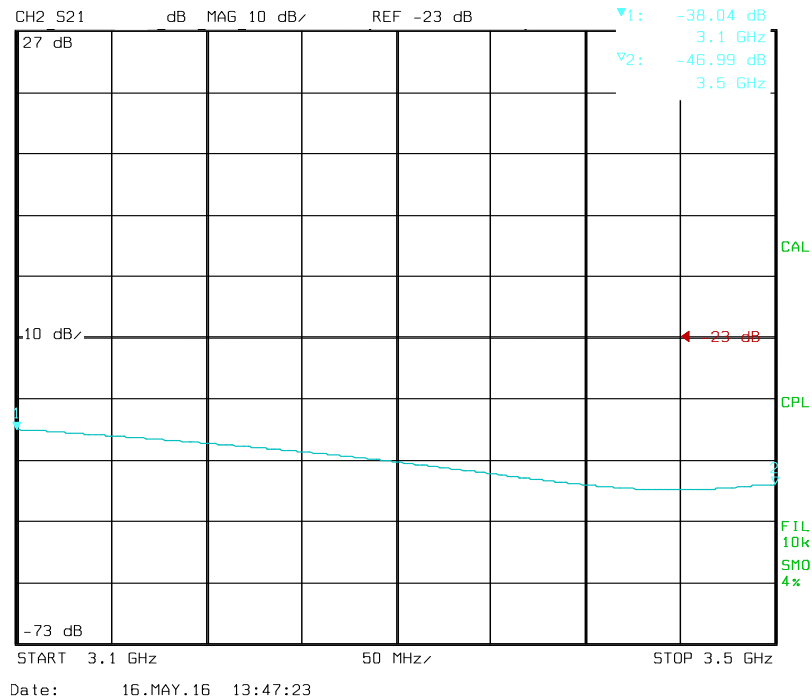
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J2- J7 Isolation



J2- J8 Isolation

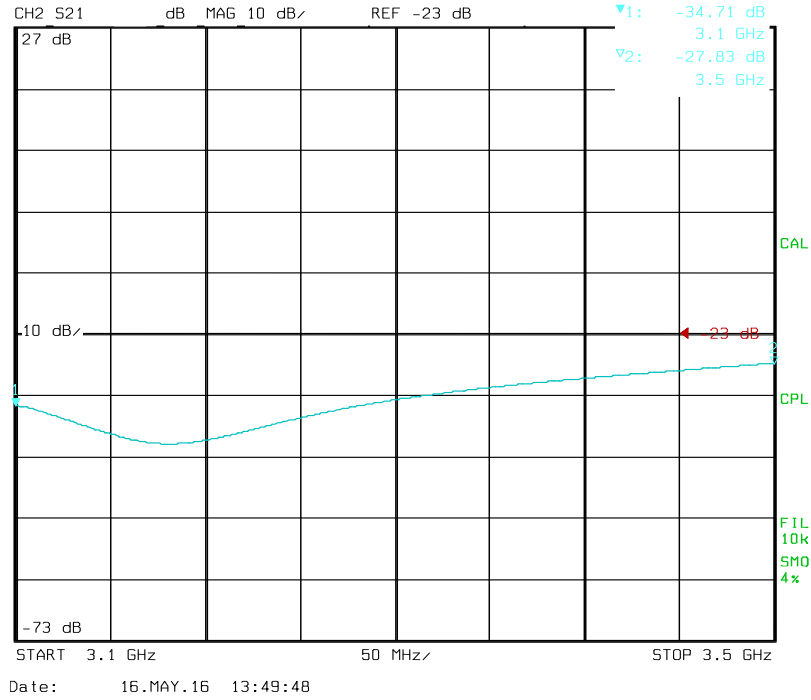




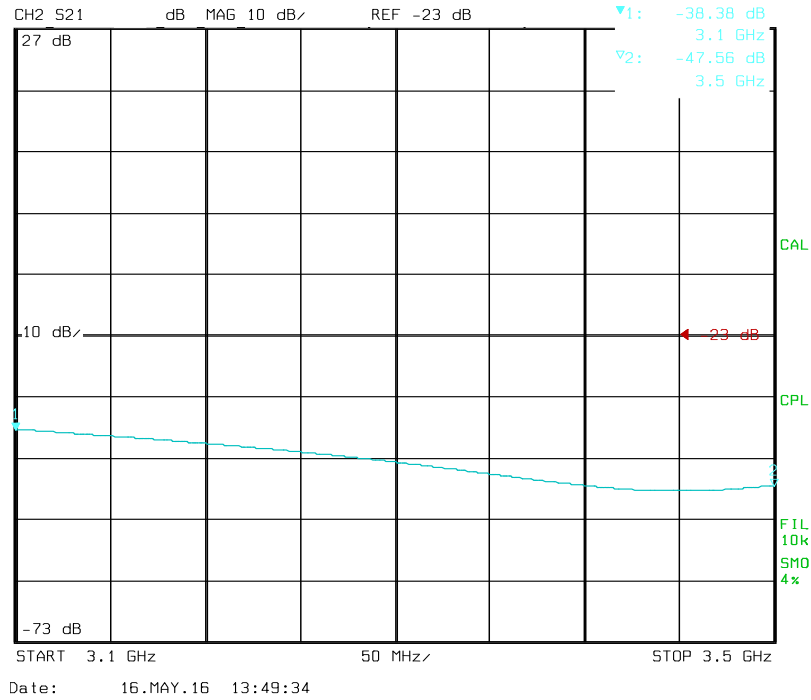
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J3- J4 Isolation



J3- J5 Isolation

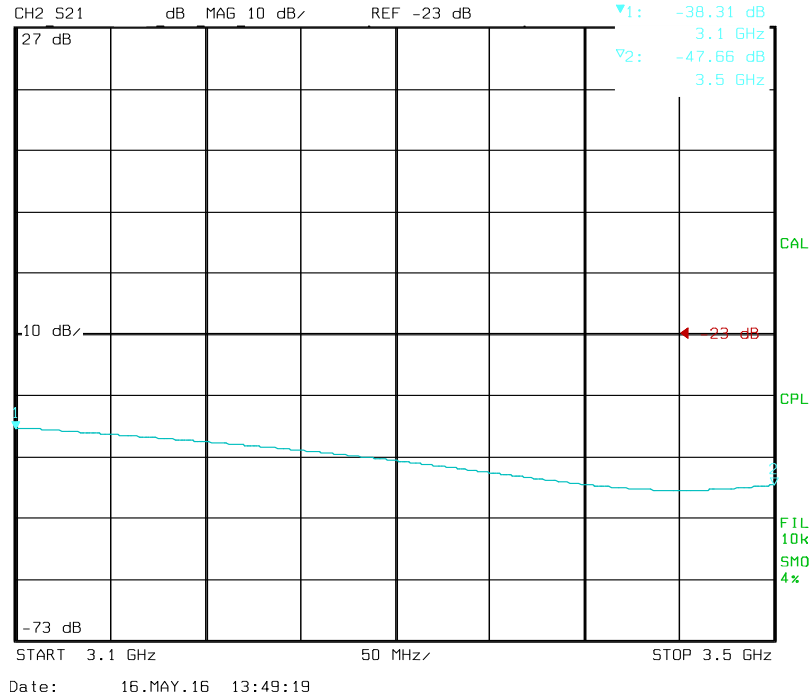




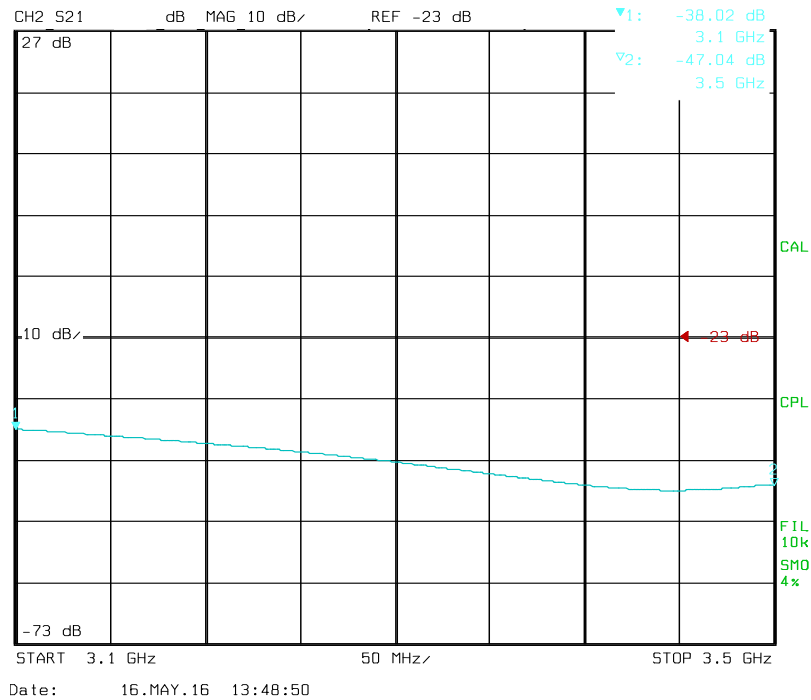
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J3- J6 Isolation



J3- J7 Isolation

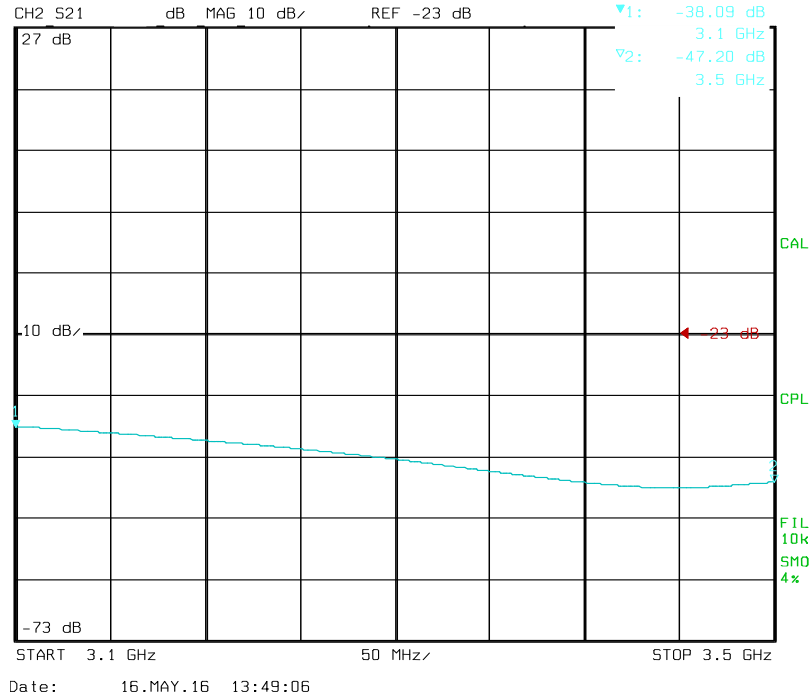




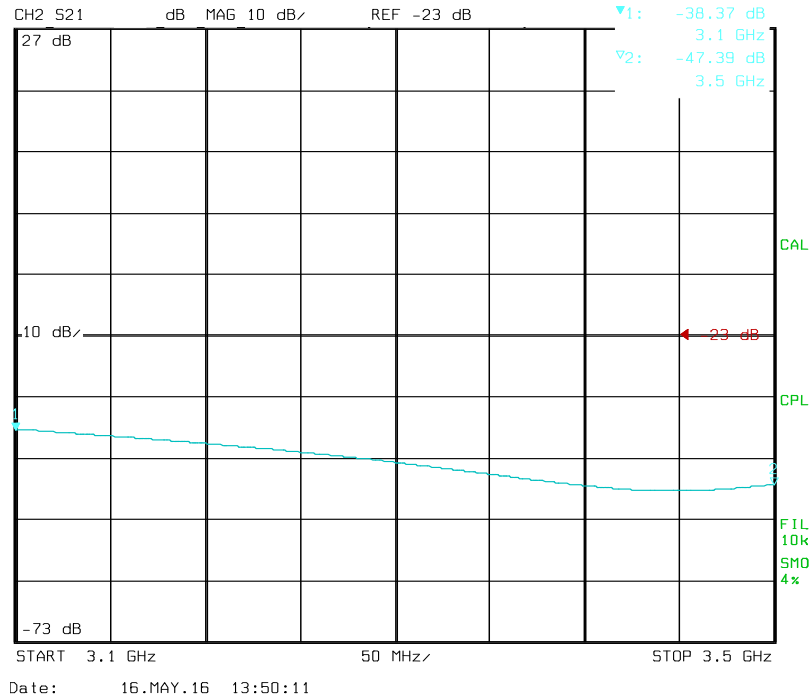
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J3- J8 Isolation



J4- J5 Isolation

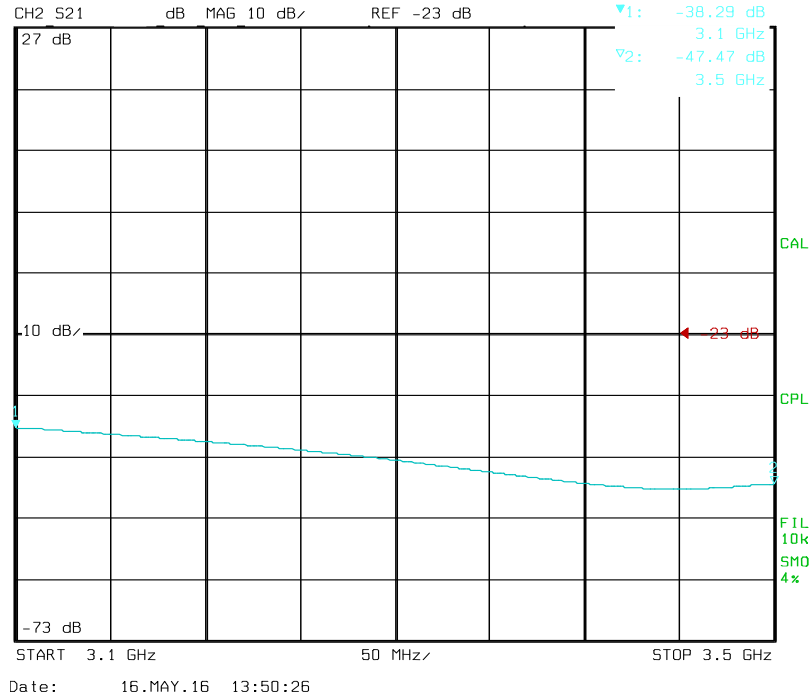




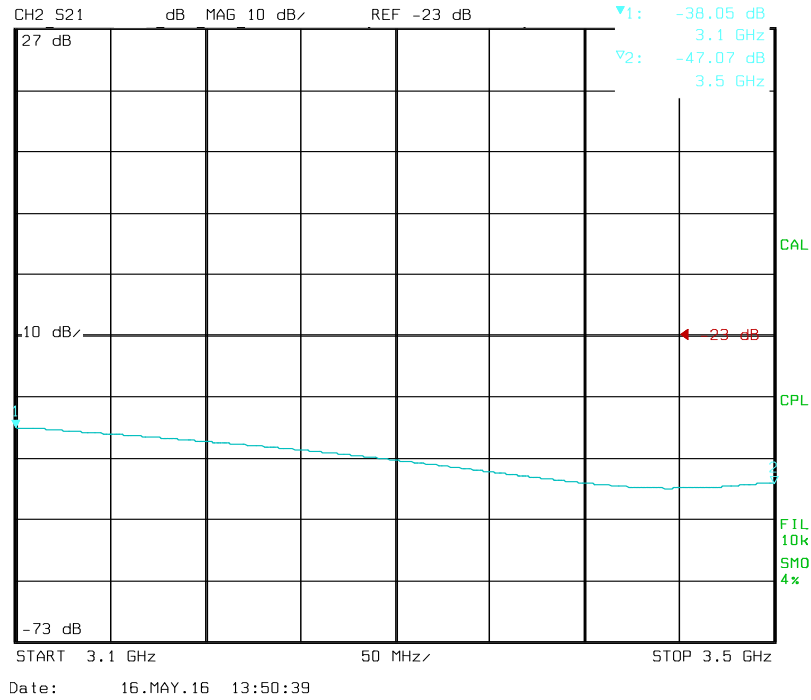
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J4- J6 Isolation



J4- J7 Isolation

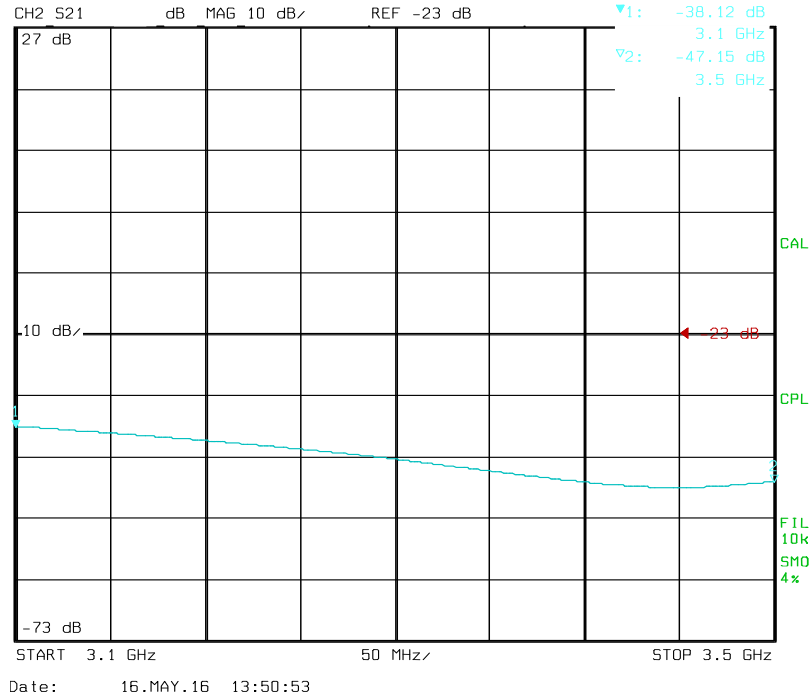




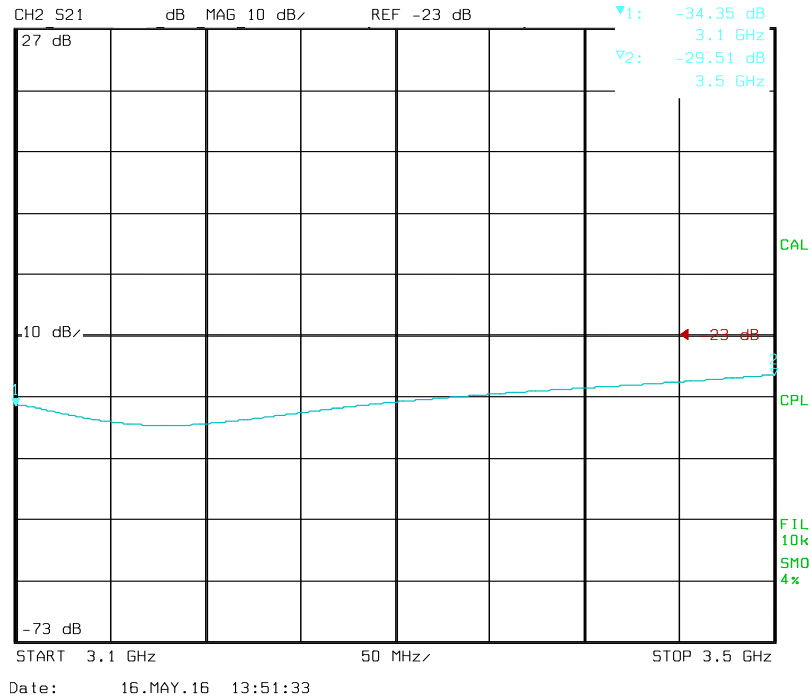
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J4- J8 Isolation



J5- J6 Isolation

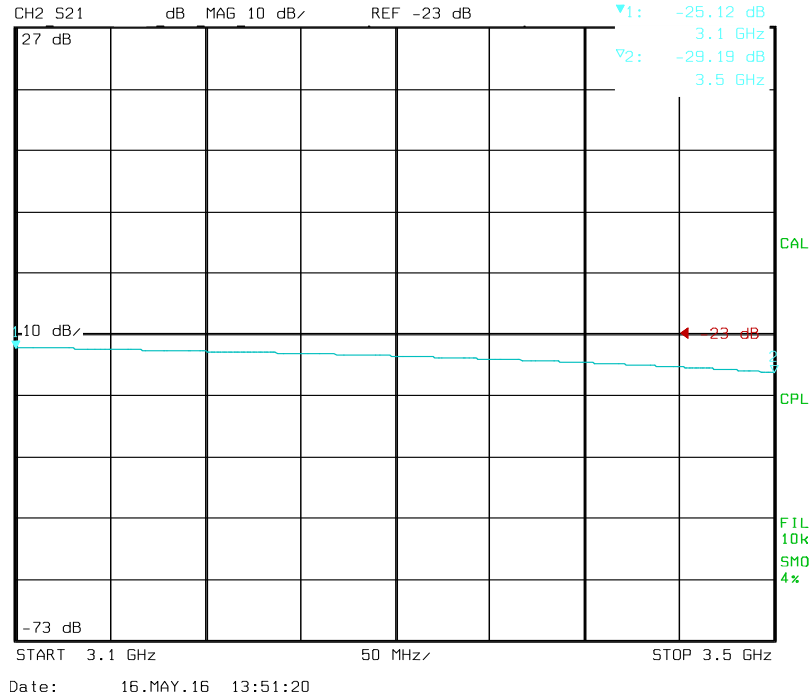




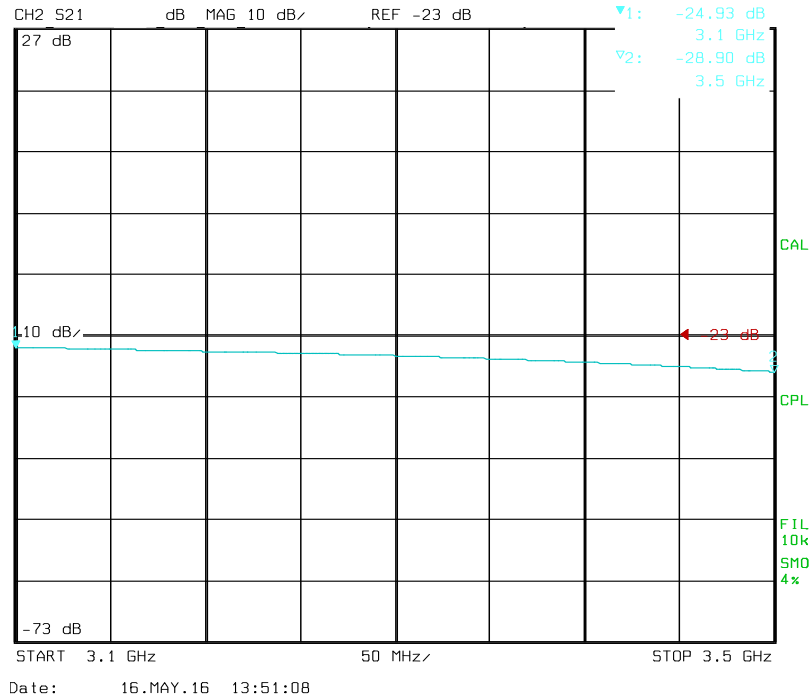
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J5- J7 Isolation



J5- J8 Isolation

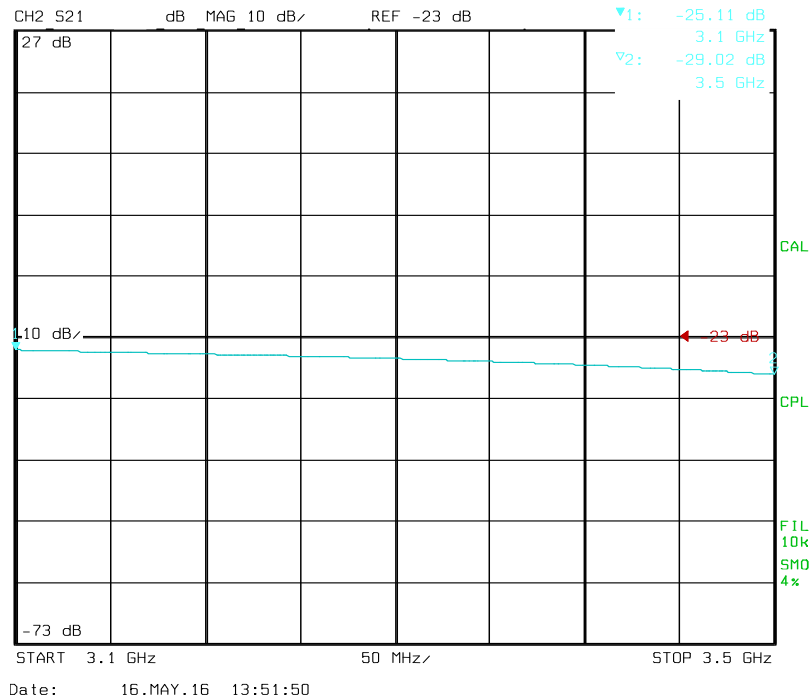




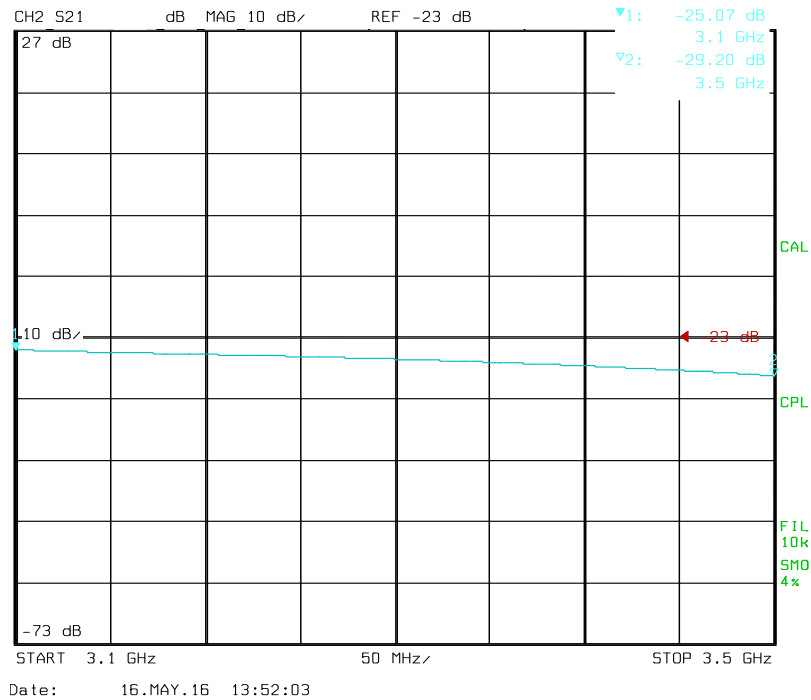
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J6- J7 Isolation



J6- J8 Isolation





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J7- J8 Isolation

