



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

PL19244/1623

Customer: _____	Tested By: <u>Jerry N.</u>
SO No: _____	Temperature: <u>+25°C</u>
Model No: <u>APD-8-3D13D5-40W-SFF</u>	Date: <u>05/23/2016</u>
Serial No: <u>PL19244/1623</u>	Drawing No: <u>27626081</u> Rev: <u>A1</u>

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	0.54dB (See Plot)	
3	Isolation	≥23 dB	24dB (See Plot)	
4	VSWR	INPUT ≤1.30:1 OUTPUT ≤1.20:1	INPUT 1.25:1 OUTPUT 1.14 :1 (See Plot)	
5	Amplitude Balance	≤ ±0.2 dB	±0.06dB (See Plot)	
6	Phase Balance	≤ ±2°	1.1° (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: \_\_\_\_\_

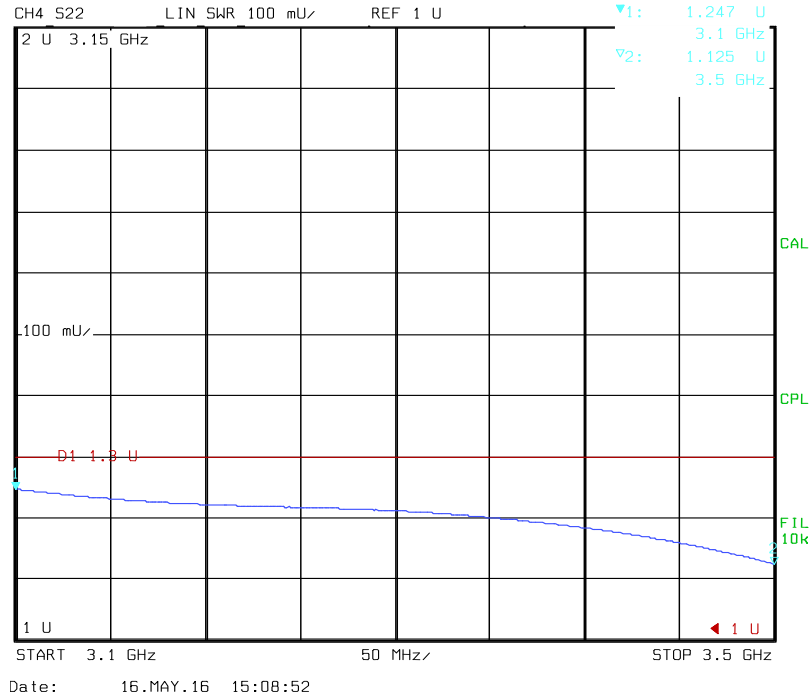
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
Email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)



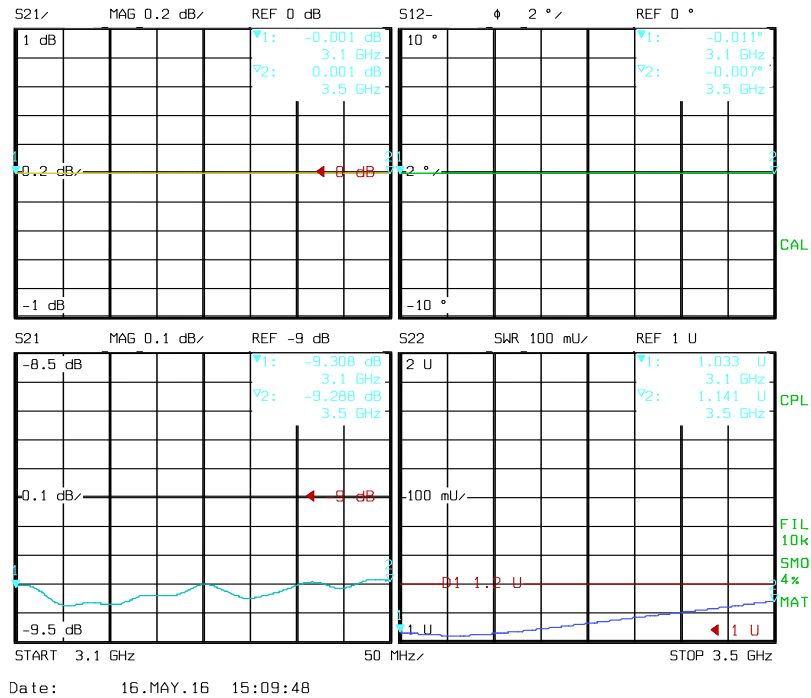
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**J0 Input VSWR**



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

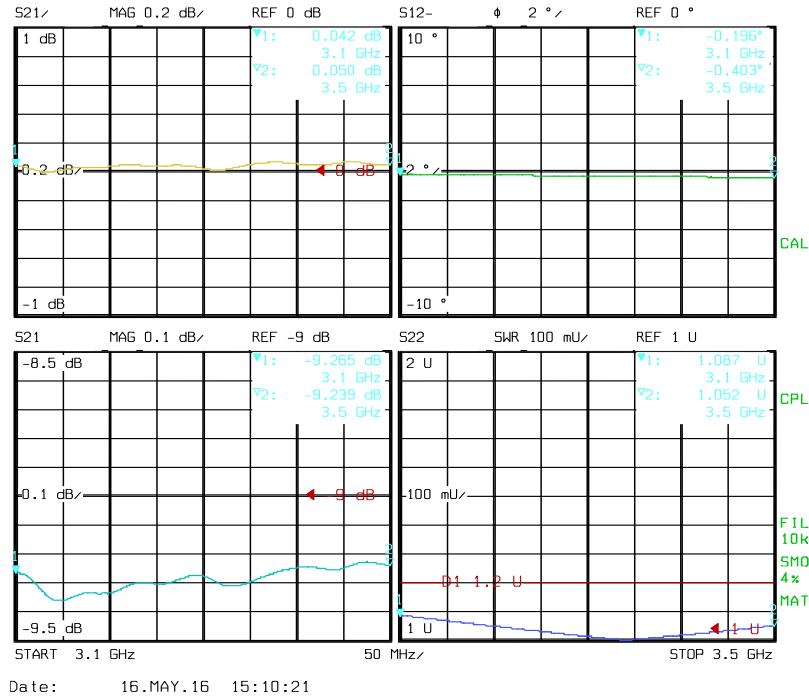




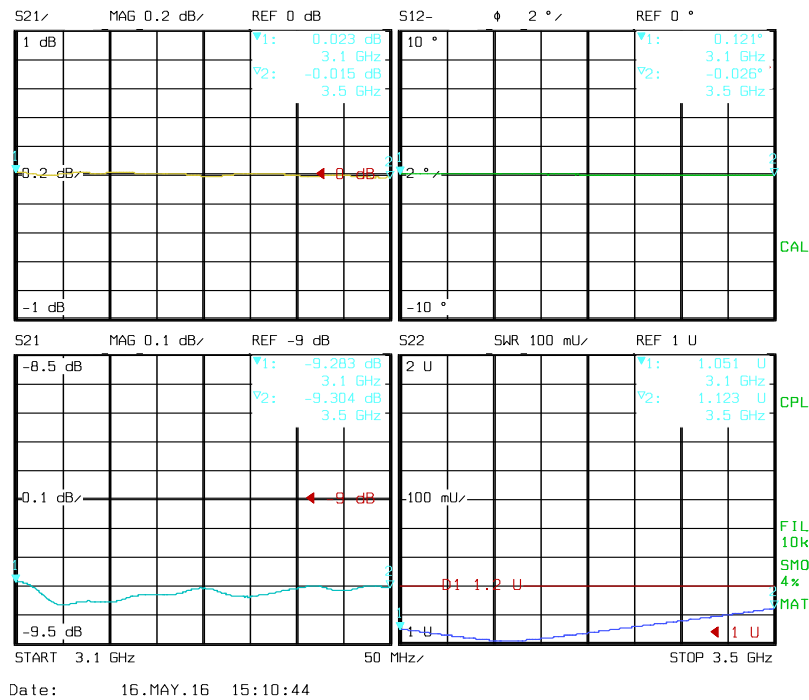
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**J0 to J2 Amplitude Balance, Insertion Loss, Phase balance, J2 VSWR**



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

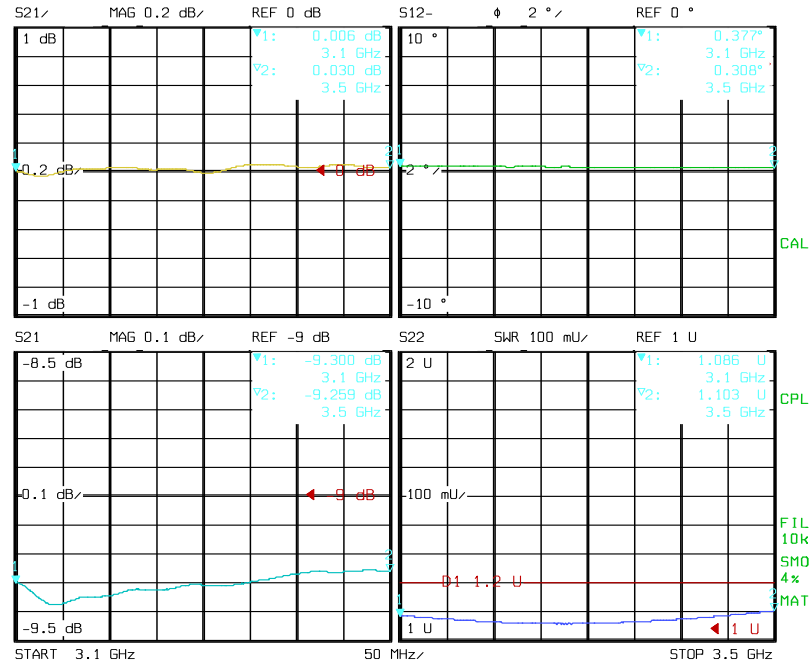




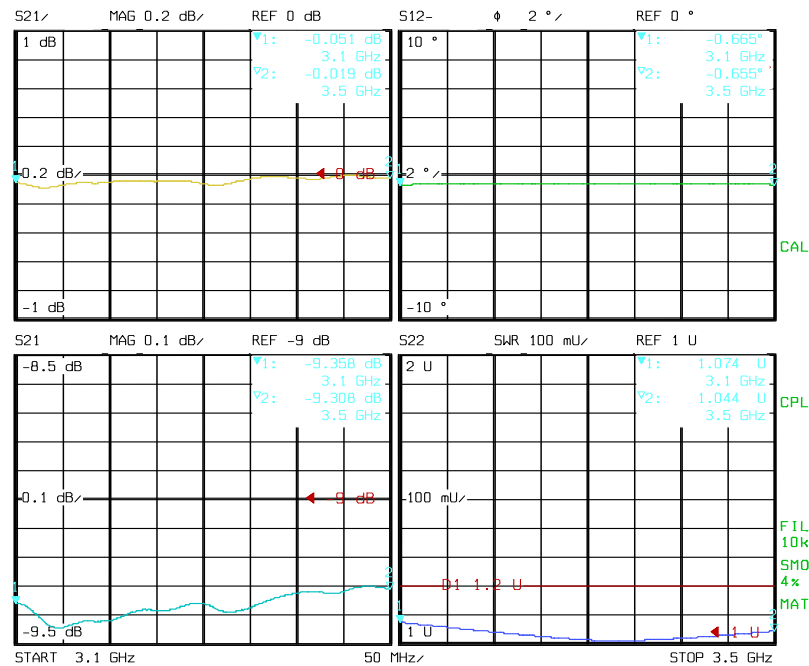
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**J0 to J4 Amplitude Balance, Insertion Loss, Phase balance, J4 VSWR**



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

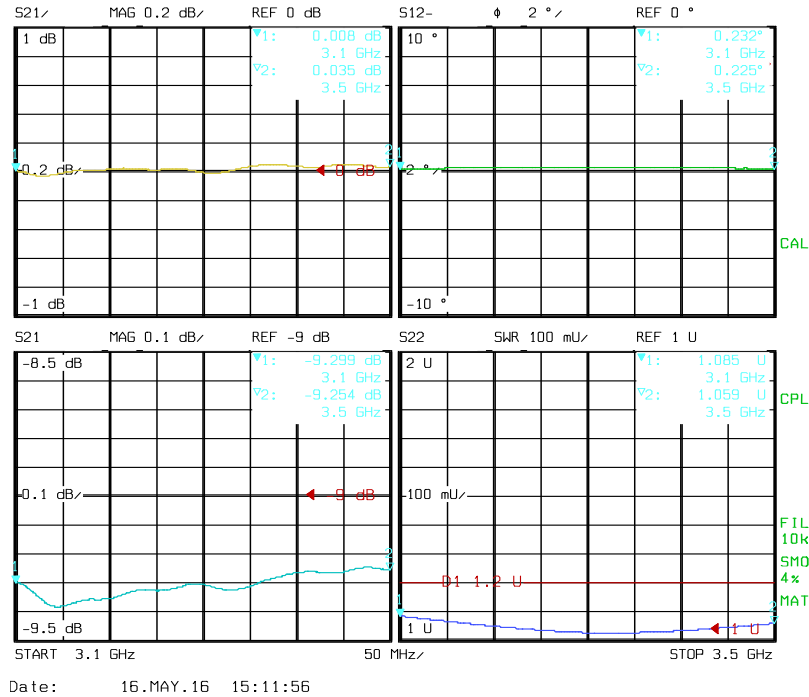




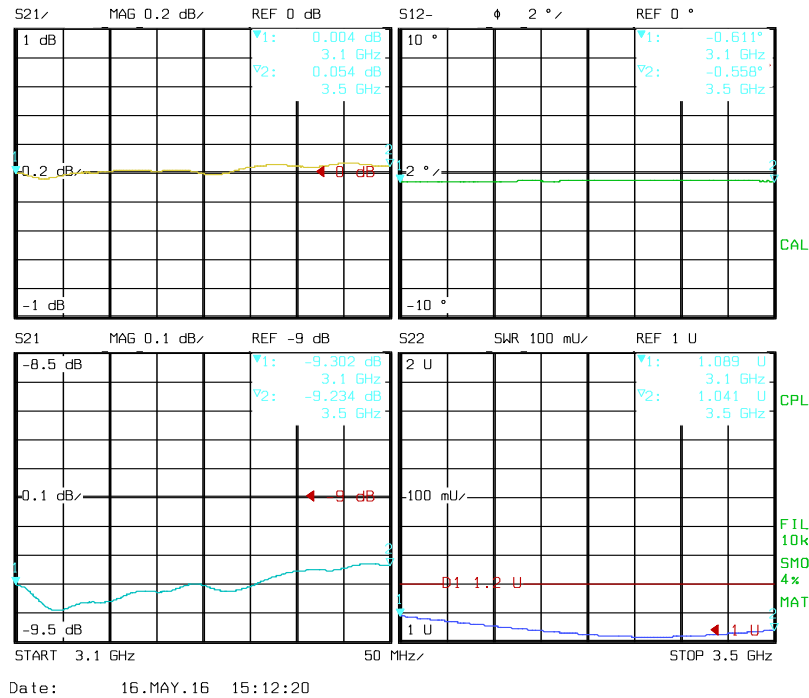
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## J0 to J6 Amplitude Balance, Insertion Loss, Phase balance, J6 VSWR



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



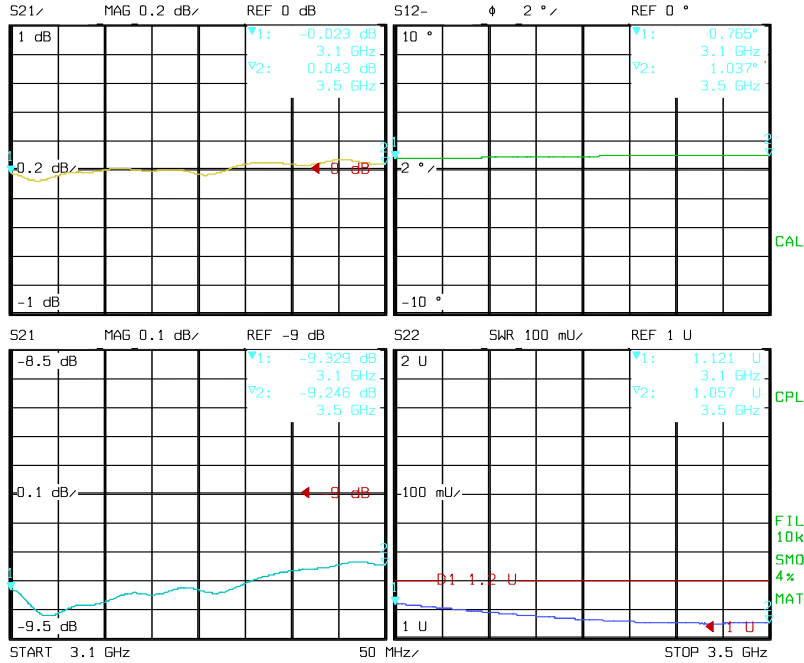
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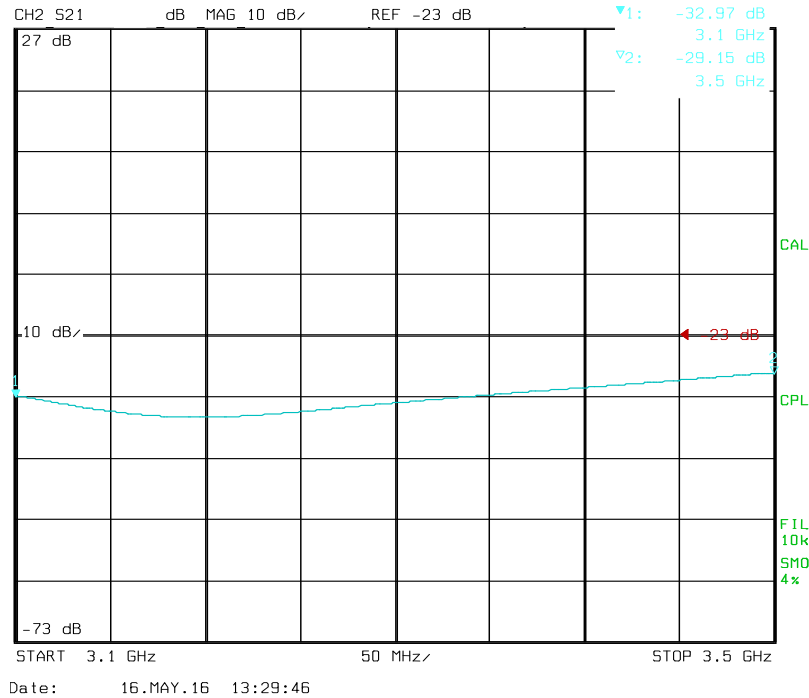
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**J0 to J8 Amplitude Balance, Insertion Loss, Phase balance, J8 VSWR**



**J1- J2 Isolation**

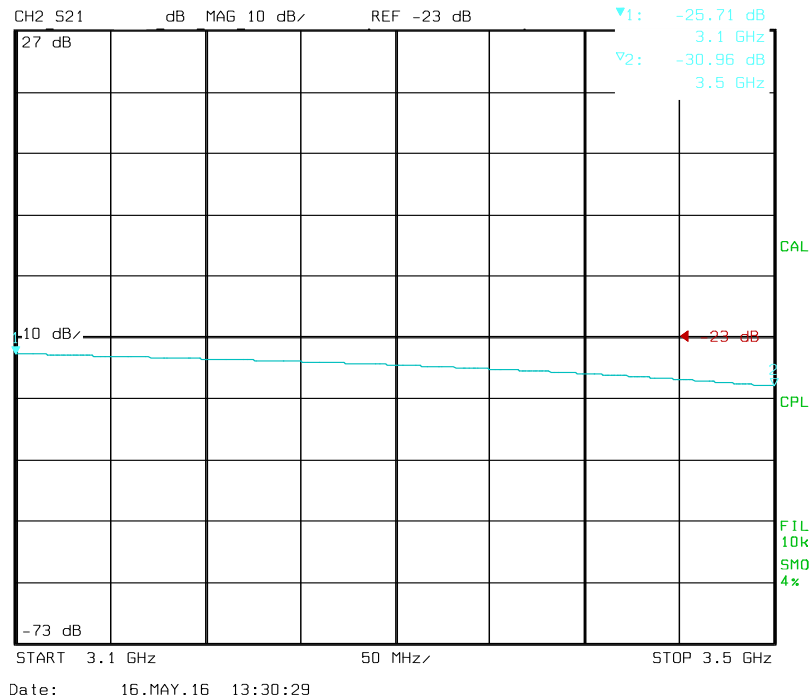




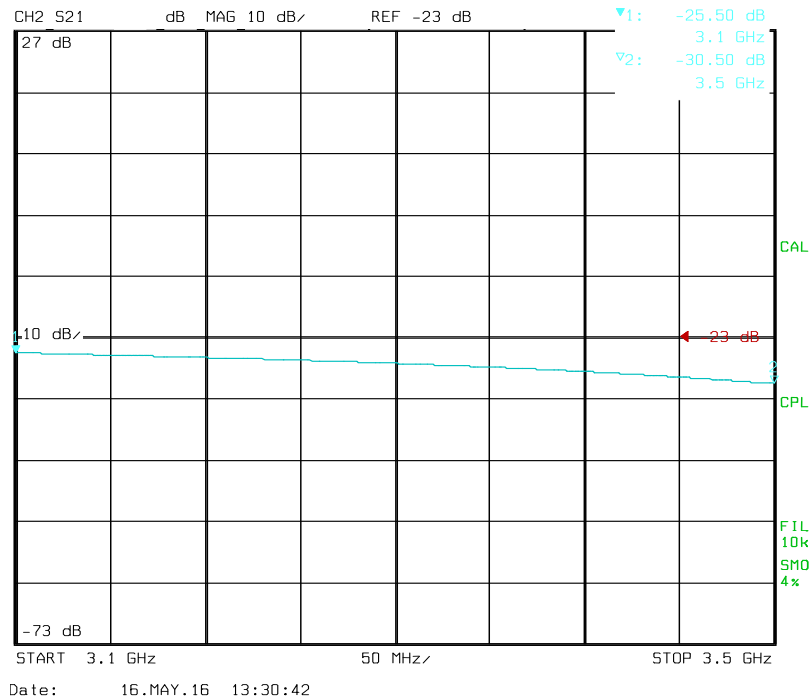
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## J1- J3 Isolation



## J1- J4 Isolation

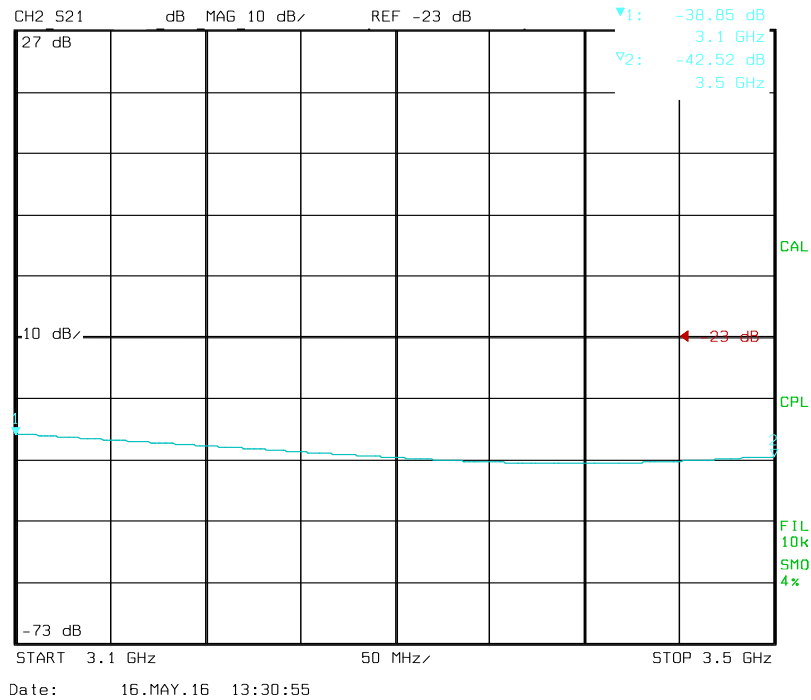




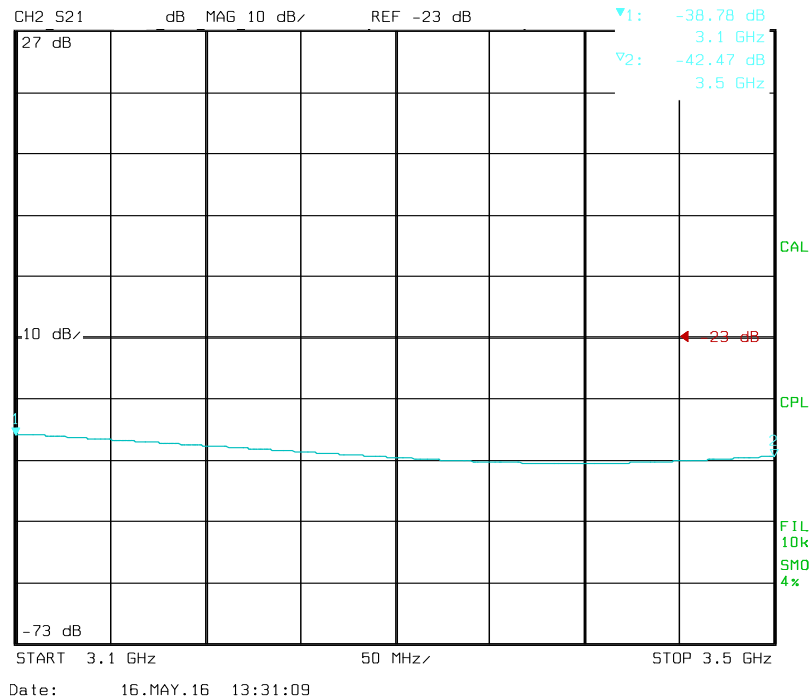
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## J1- J5 Isolation



## J1- J6 Isolation



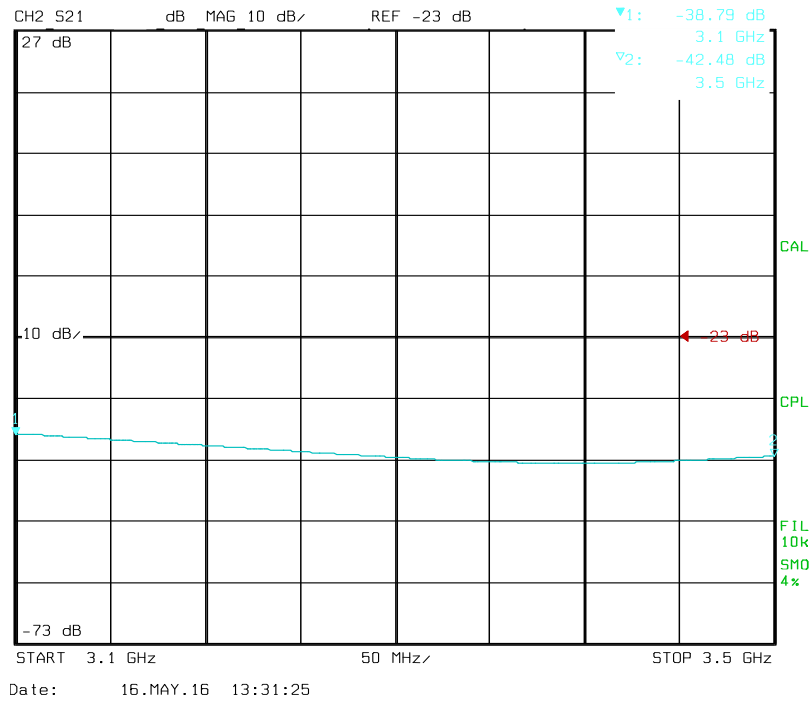




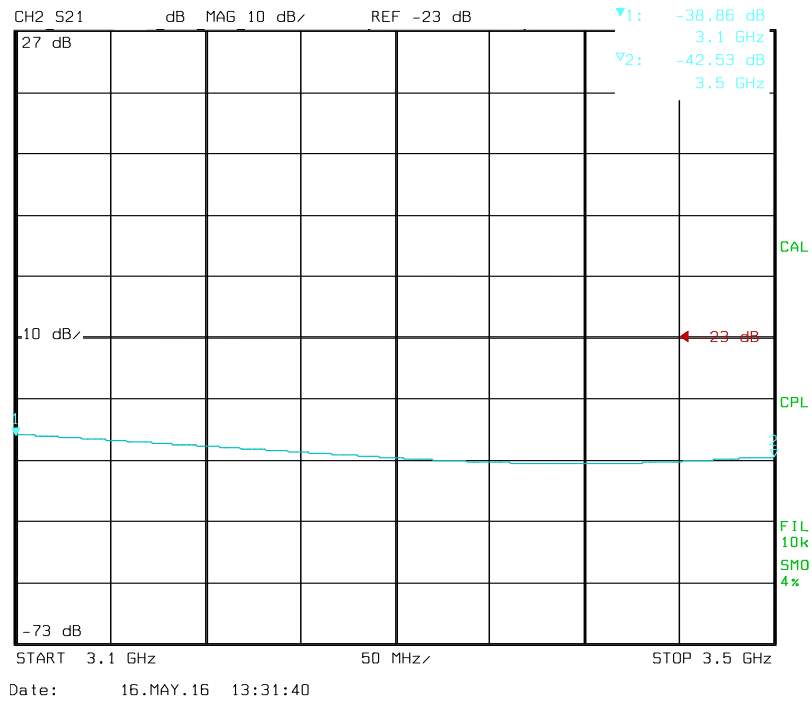
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## J1- J7 Isolation



## J1- J8 Isolation

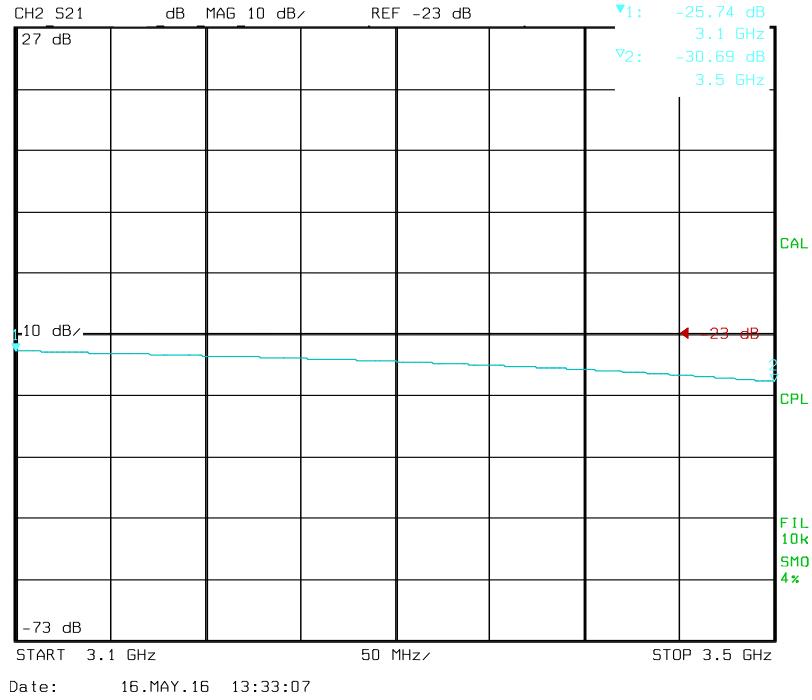




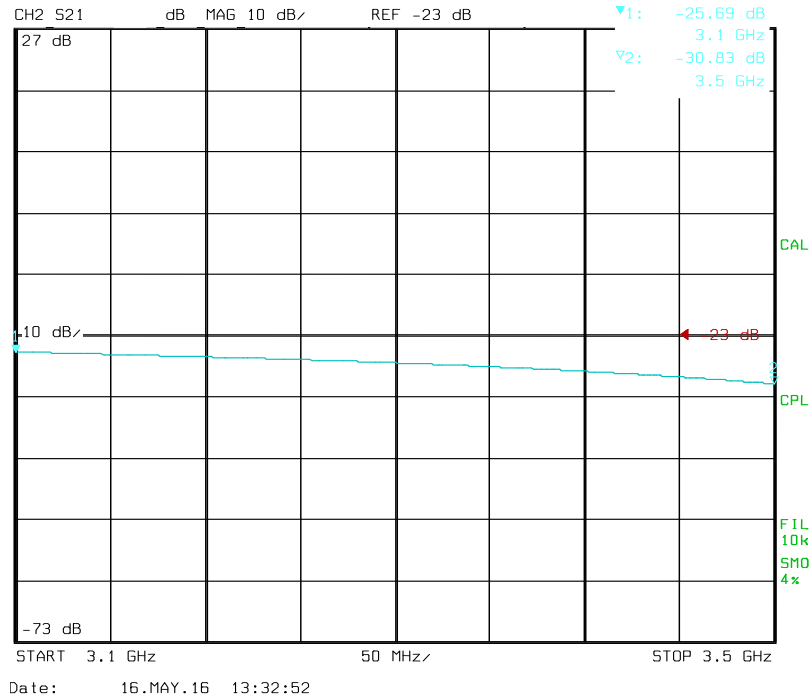
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## J2- J3 Isolation



## J2- J4 Isolation

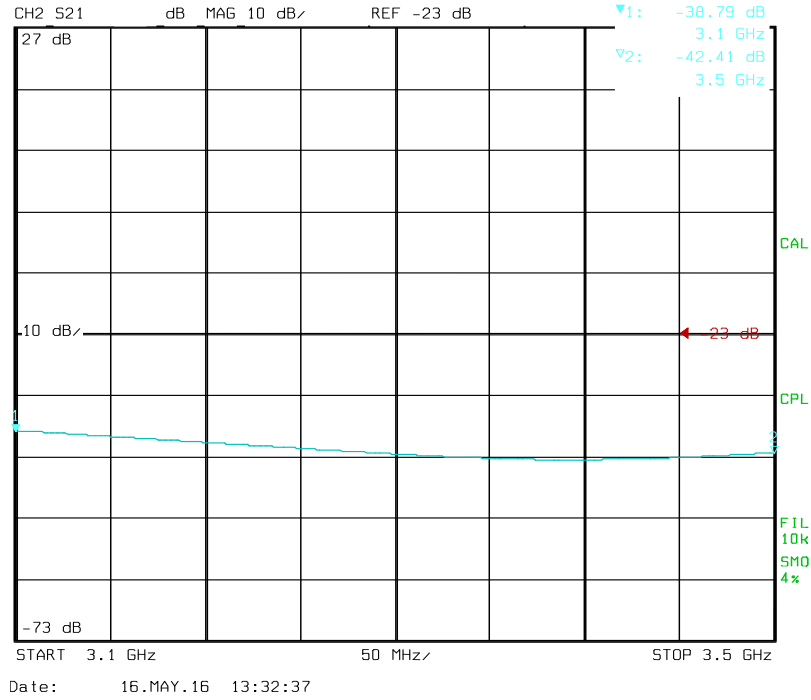




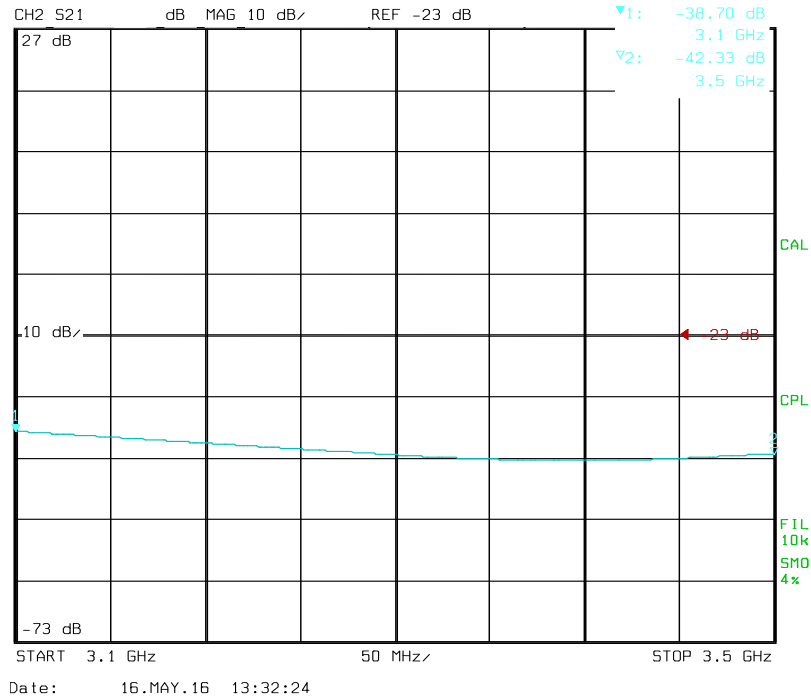
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## J2- J5 Isolation



## J2- J6 Isolation

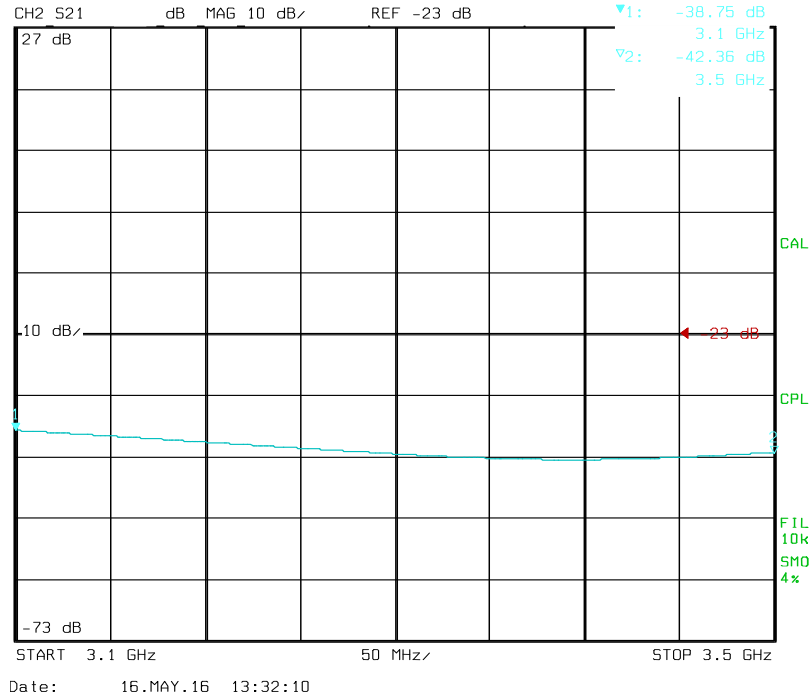




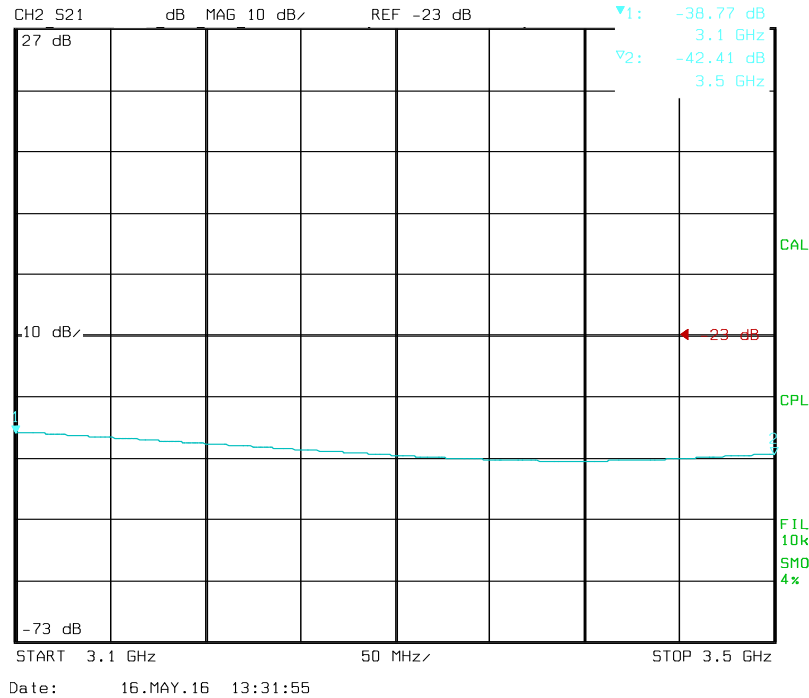
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**J2- J7 Isolation**



**J2- J8 Isolation**

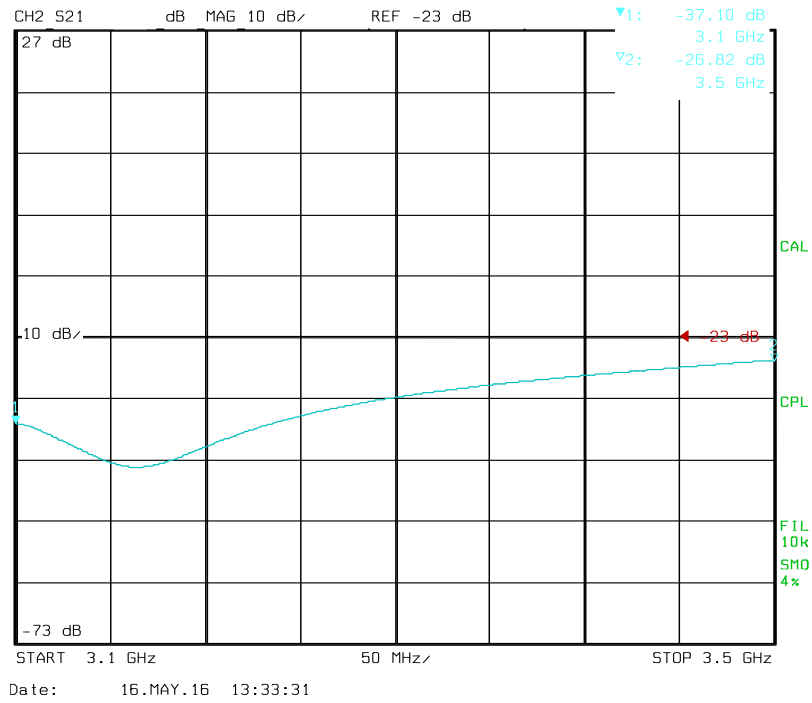




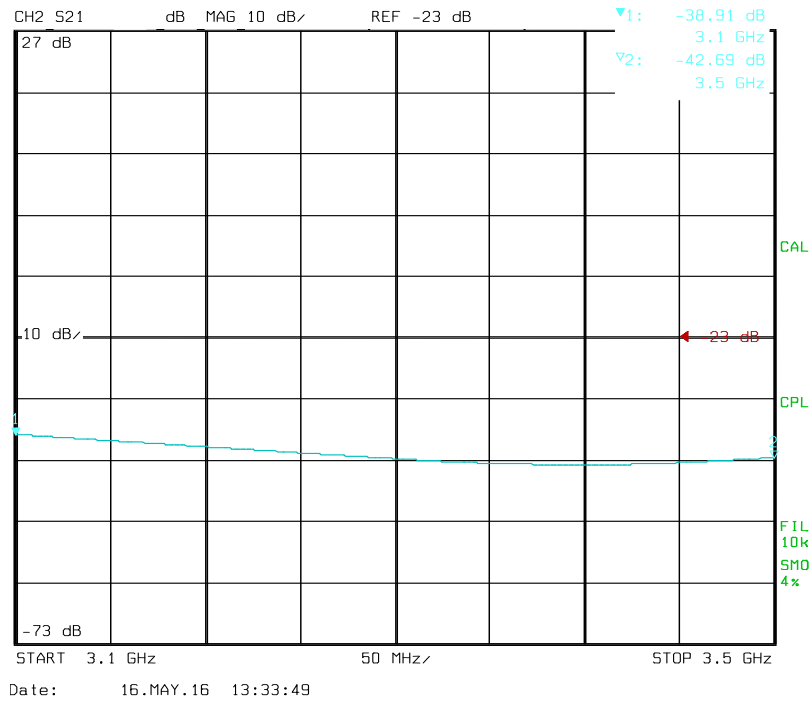
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## J3- J4 Isolation



## J3- J5 Isolation

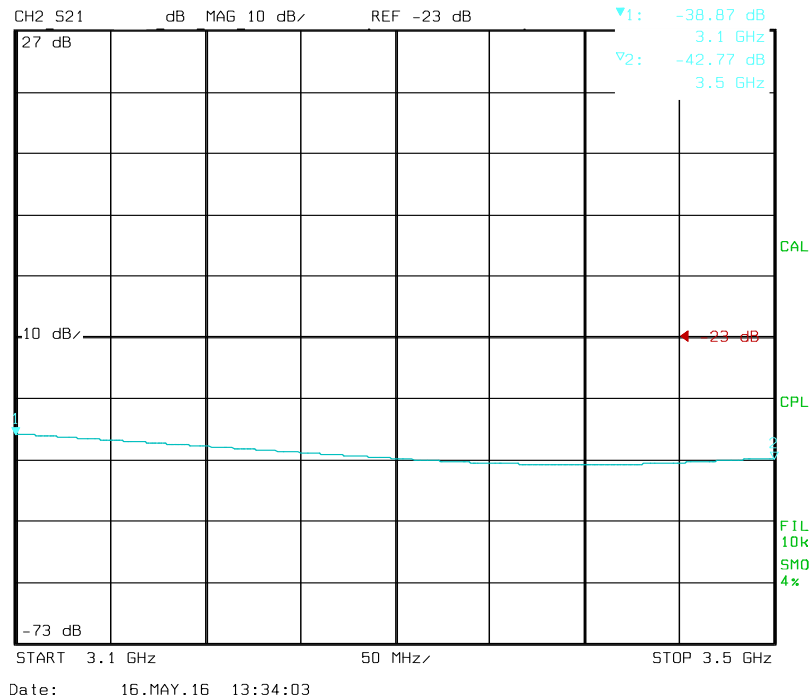




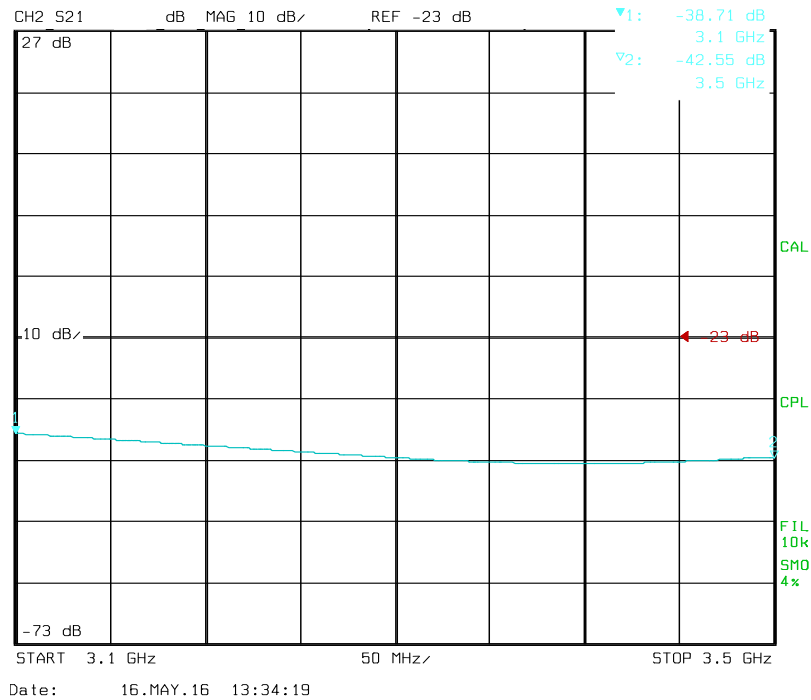
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## J3- J6 Isolation



## J3- J7 Isolation

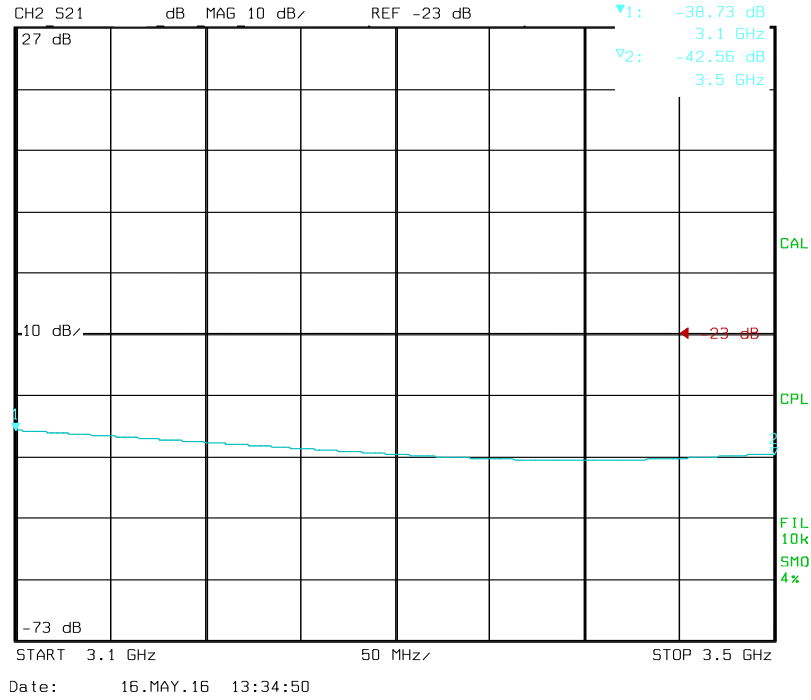




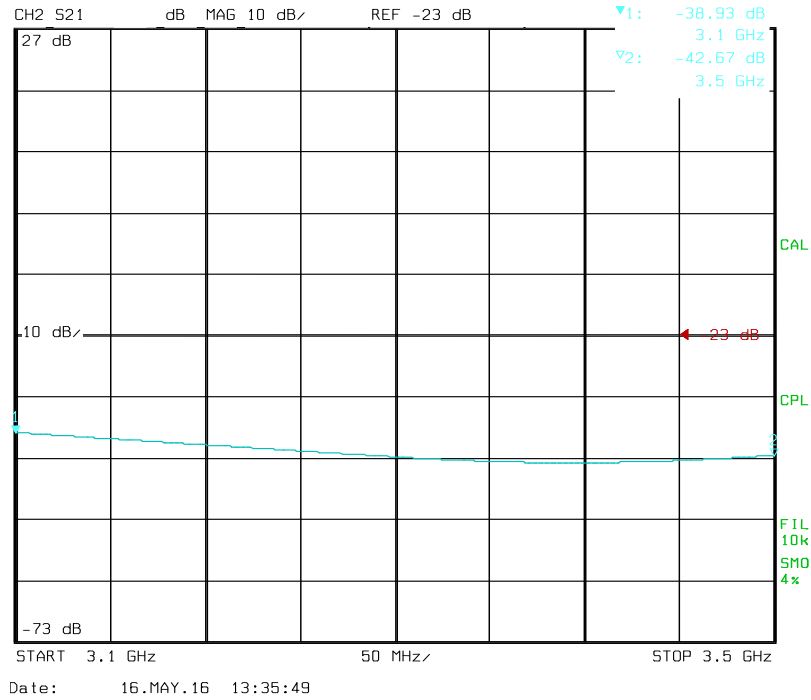
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## J3- J8 Isolation



## J4- J5 Isolation

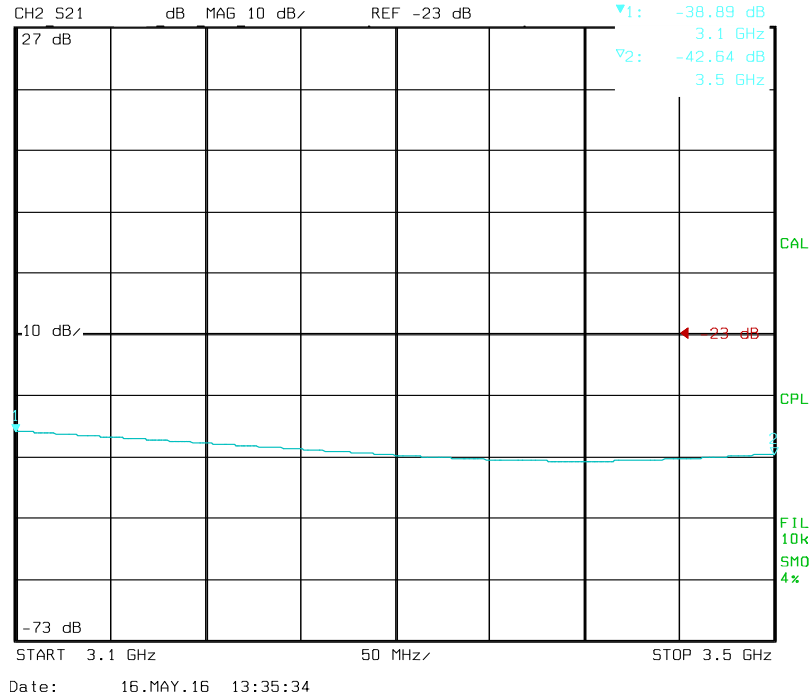




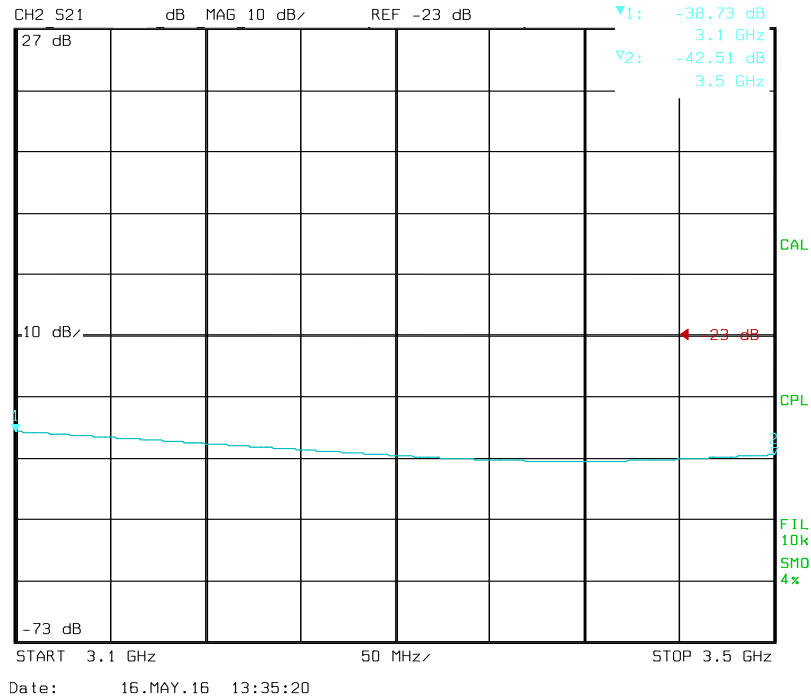
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## J4- J6 Isolation



## J4- J7 Isolation



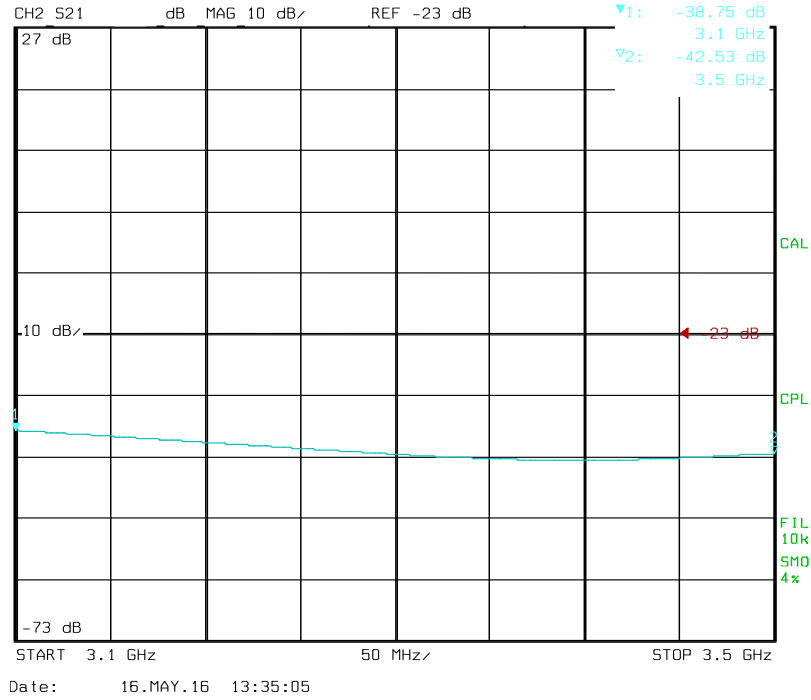




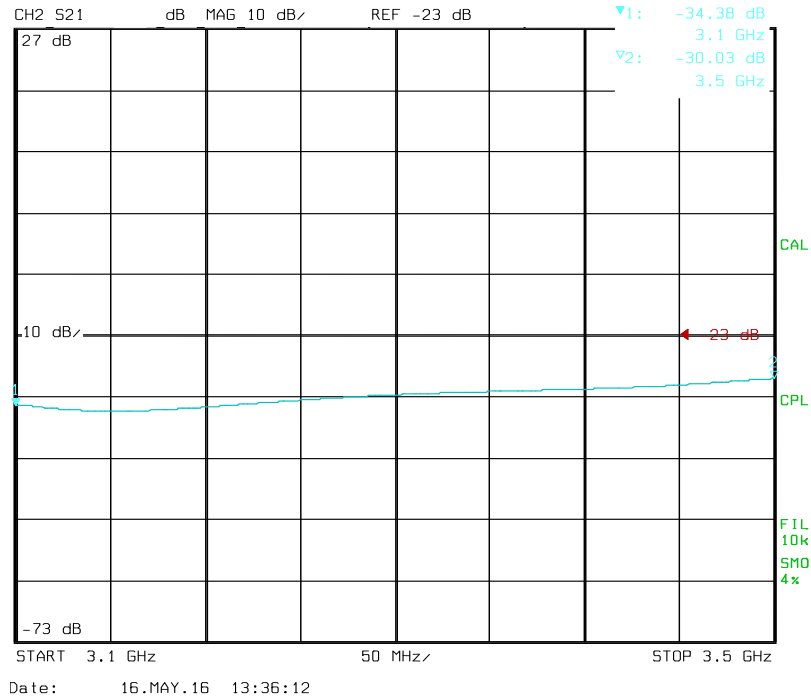
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## J4- J8 Isolation



## J5- J6 Isolation

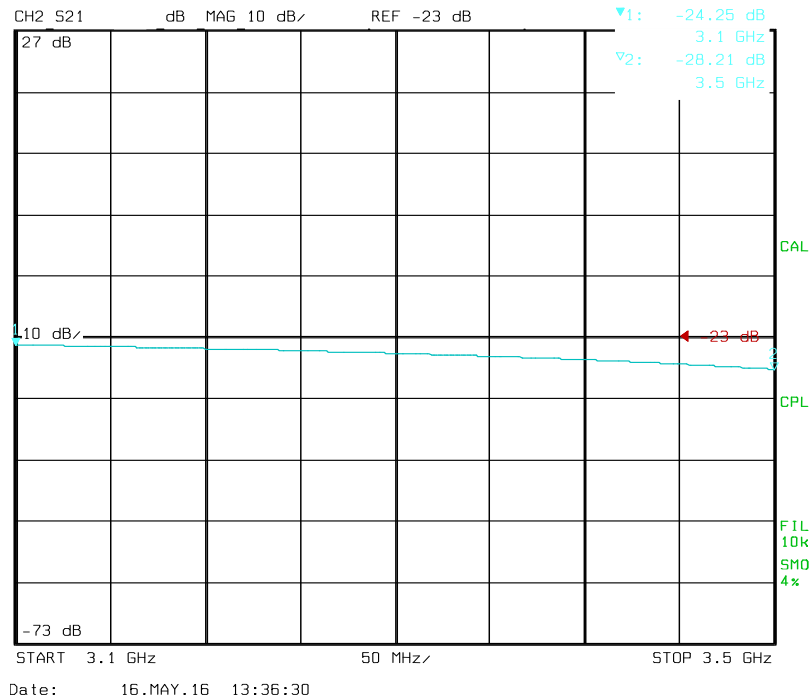




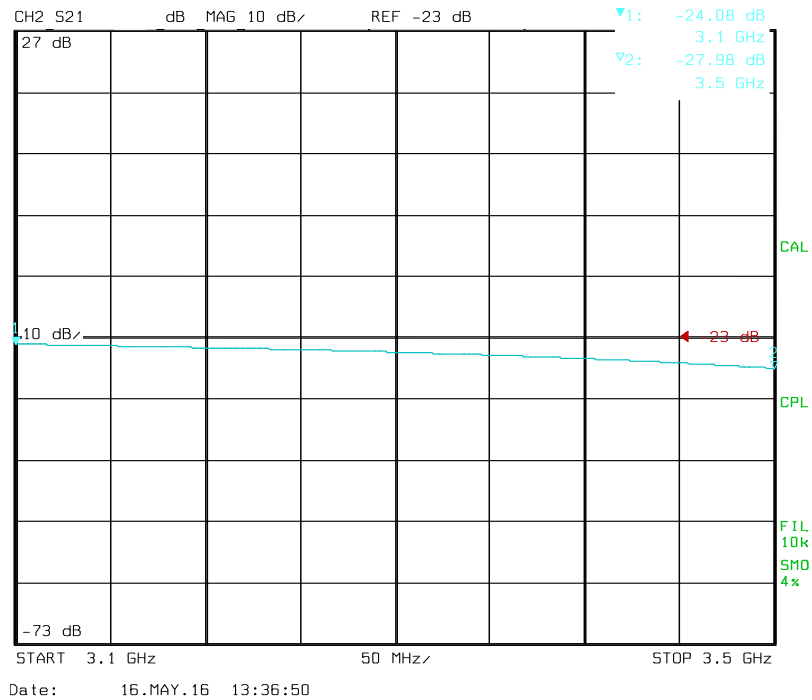
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## J5- J7 Isolation



## J5- J8 Isolation

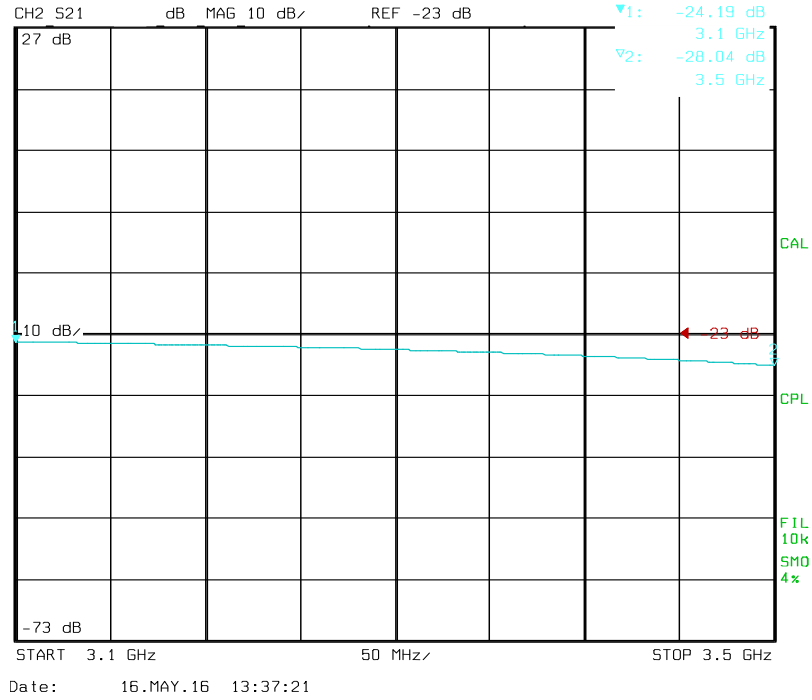




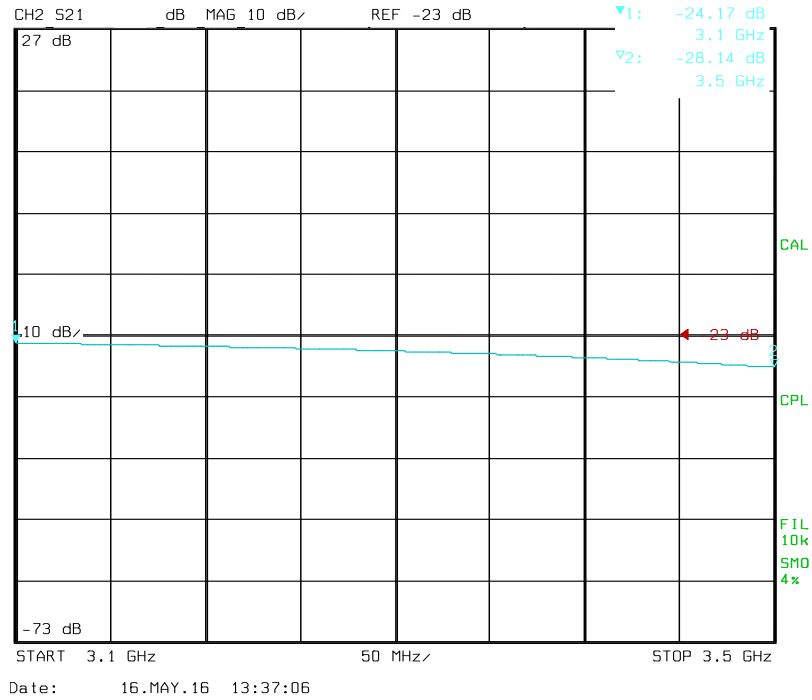
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**J6- J7 Isolation**



**J6- J8 Isolation**





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**J7- J8 Isolation**

