



Planar Monolithics Industries, Inc
7311-F Grove Rd.
Frederick, MD 21704
Ph: (301) 662-5019 Fax: (301) 662-1731
www.pmi-rf.com

Typical Characteristics For P2T-500M20G-50-T-5-12-SFF



November 8, 2011
Tested by: Hugo Gonzales



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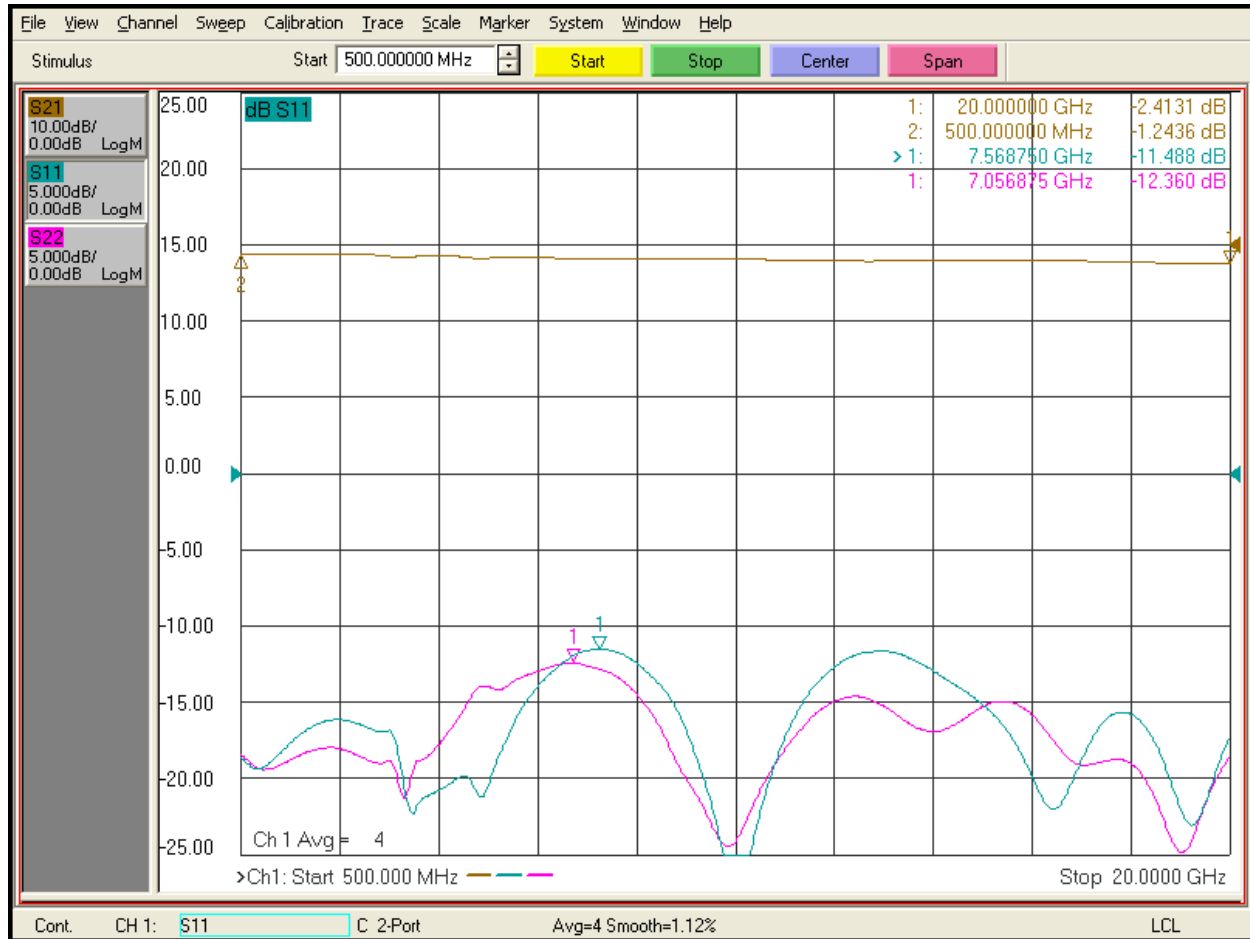
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA/QC
1	Frequency Range:	0.5 – 20 GHz	Pass	
2	Insertion Loss:	2.8 dB Max.	Pass	
3	Isolation:	50 dB Min.	Pass	
4	VSWR:	1.9:1 Max.	Pass	
5	Switching Speed:	50 nS Max.	Pass See Typical Characteristics	
6	Input Power:	+23dBm CW Max.	Pass	
7	DC Supply:	+5VDC - 80 mA -12VDC - 80 mA	12 mA 67 mA	
8	Control Signal:	TTL "0" → (J1-J2) TTL "1" → (J1-J3)	Pass	

QA/QC Approval: _____ Date: _____



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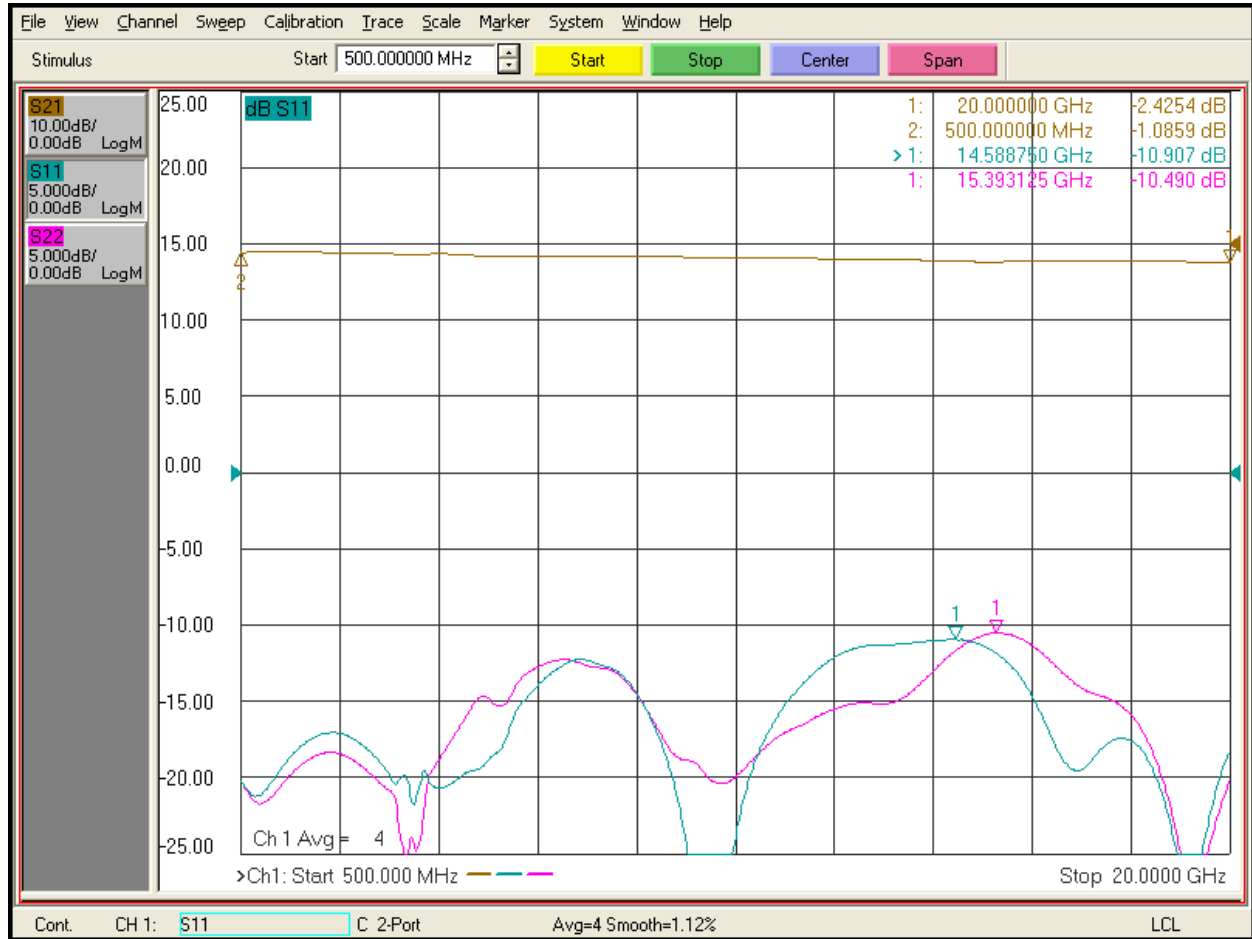
Insertion Loss and Return Loss (J1 – J2)





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Insertion Loss and Return Loss (J1 – J3)





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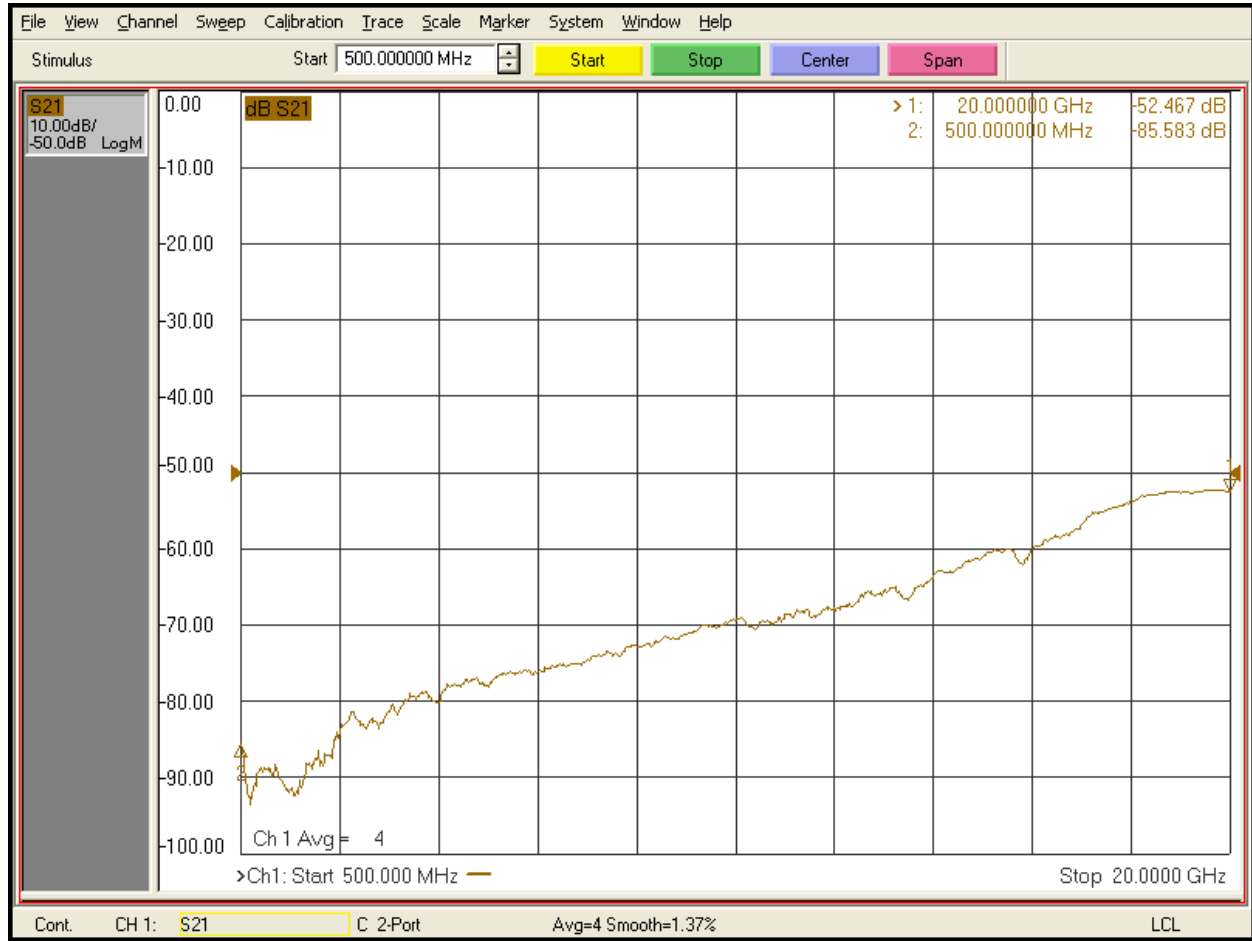
Isolation (J1-J2)





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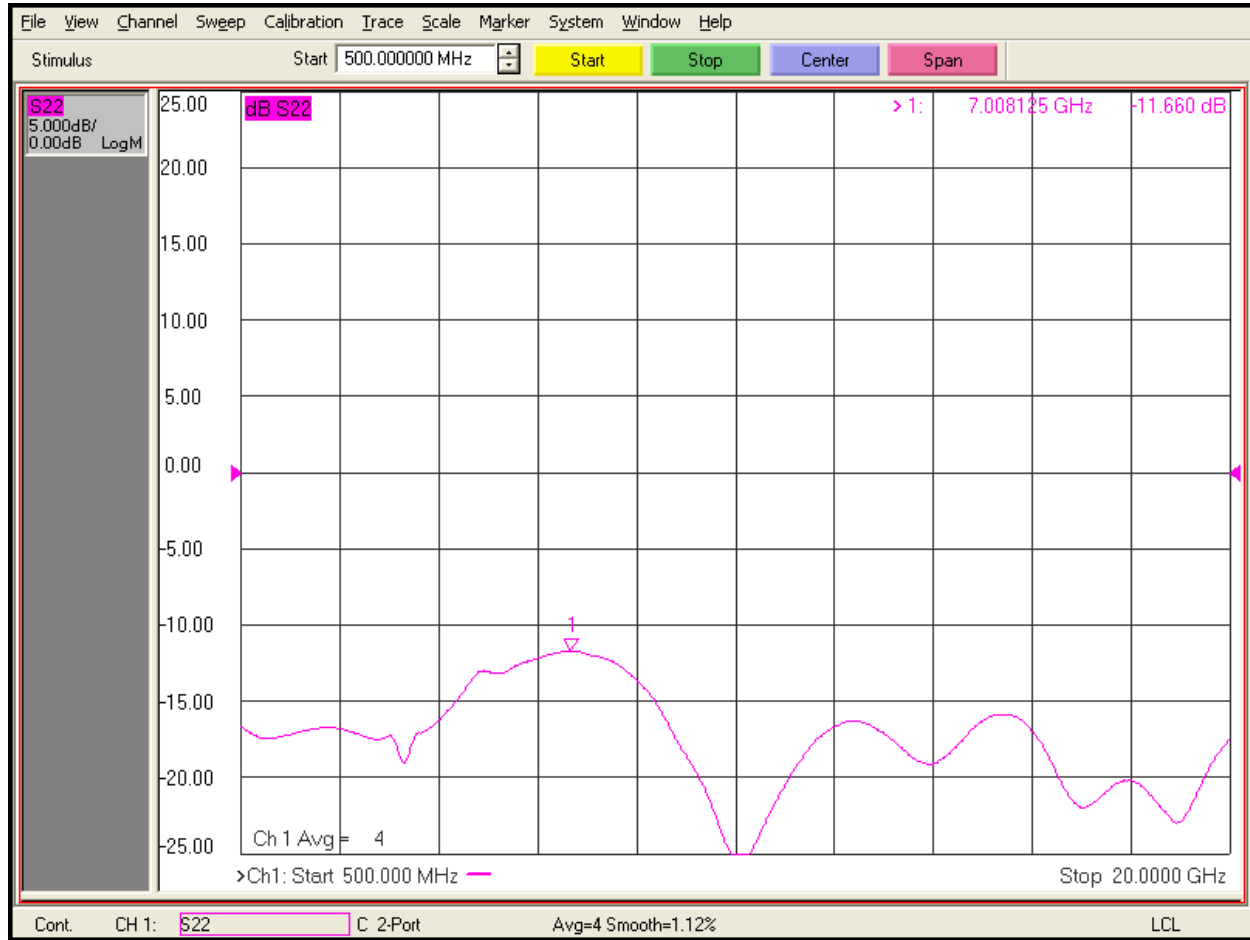
Isolation (J1-J3)





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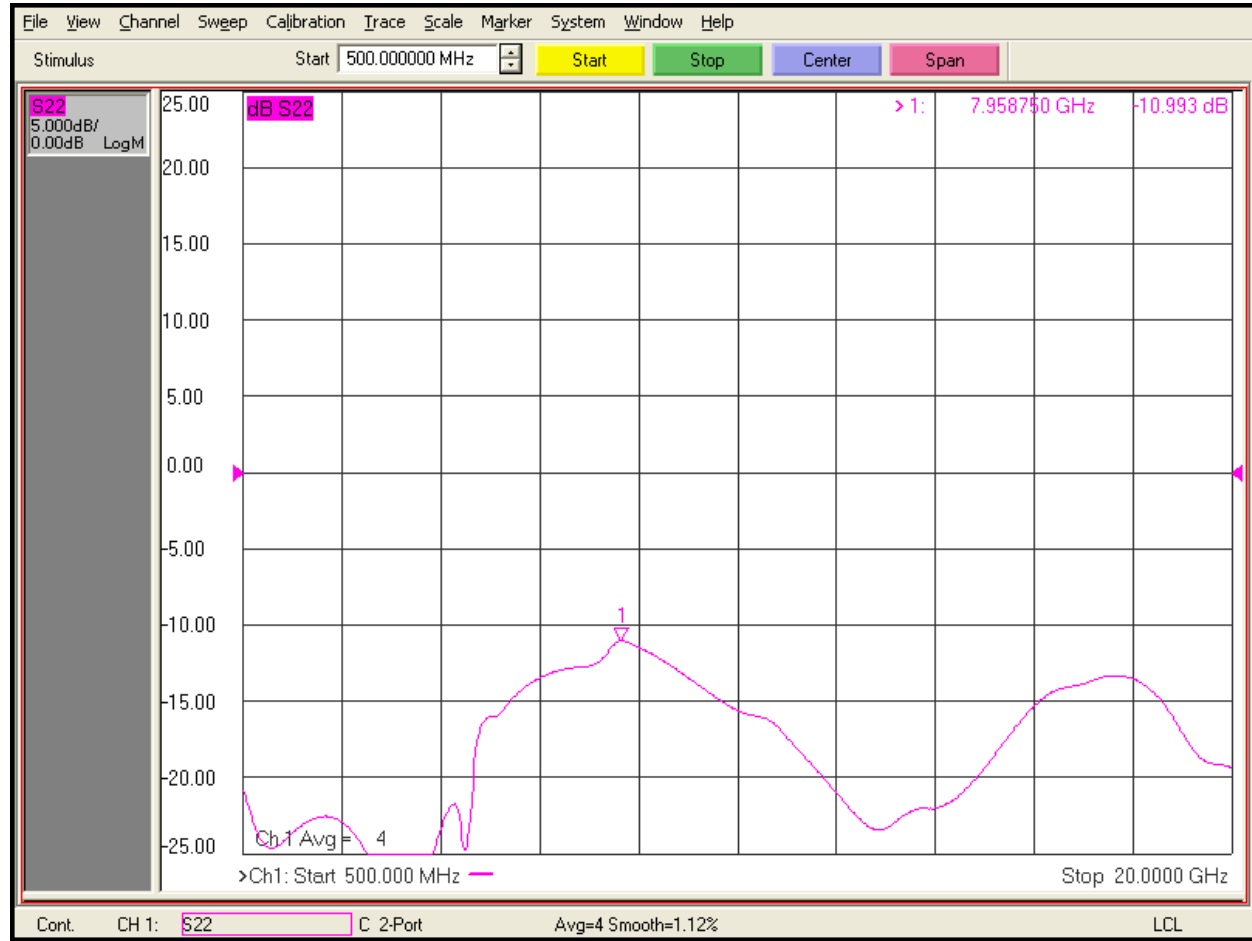
Terminated Return Loss (J2)





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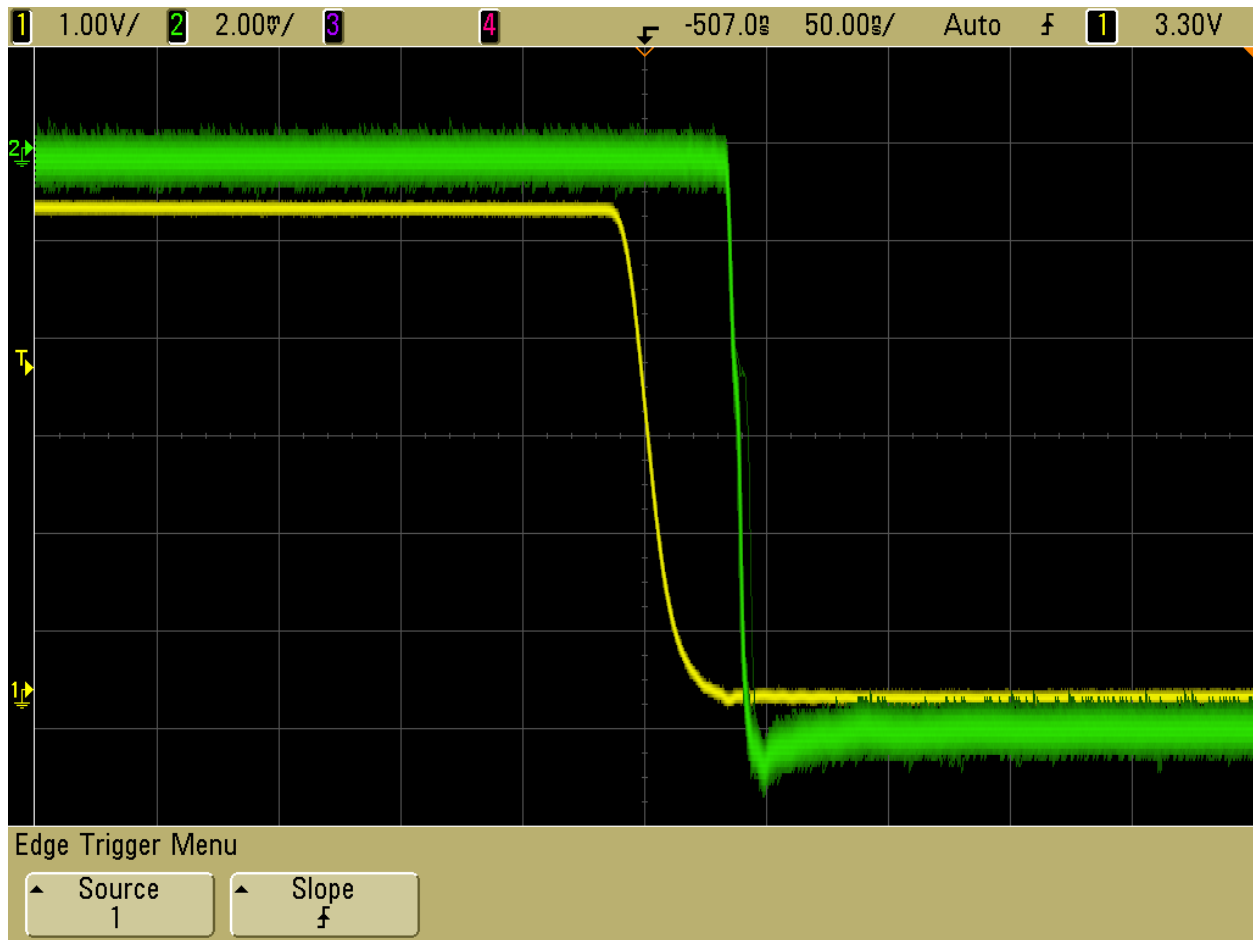
Terminated Return Loss (J3)





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Switching Speed (Delay ON)



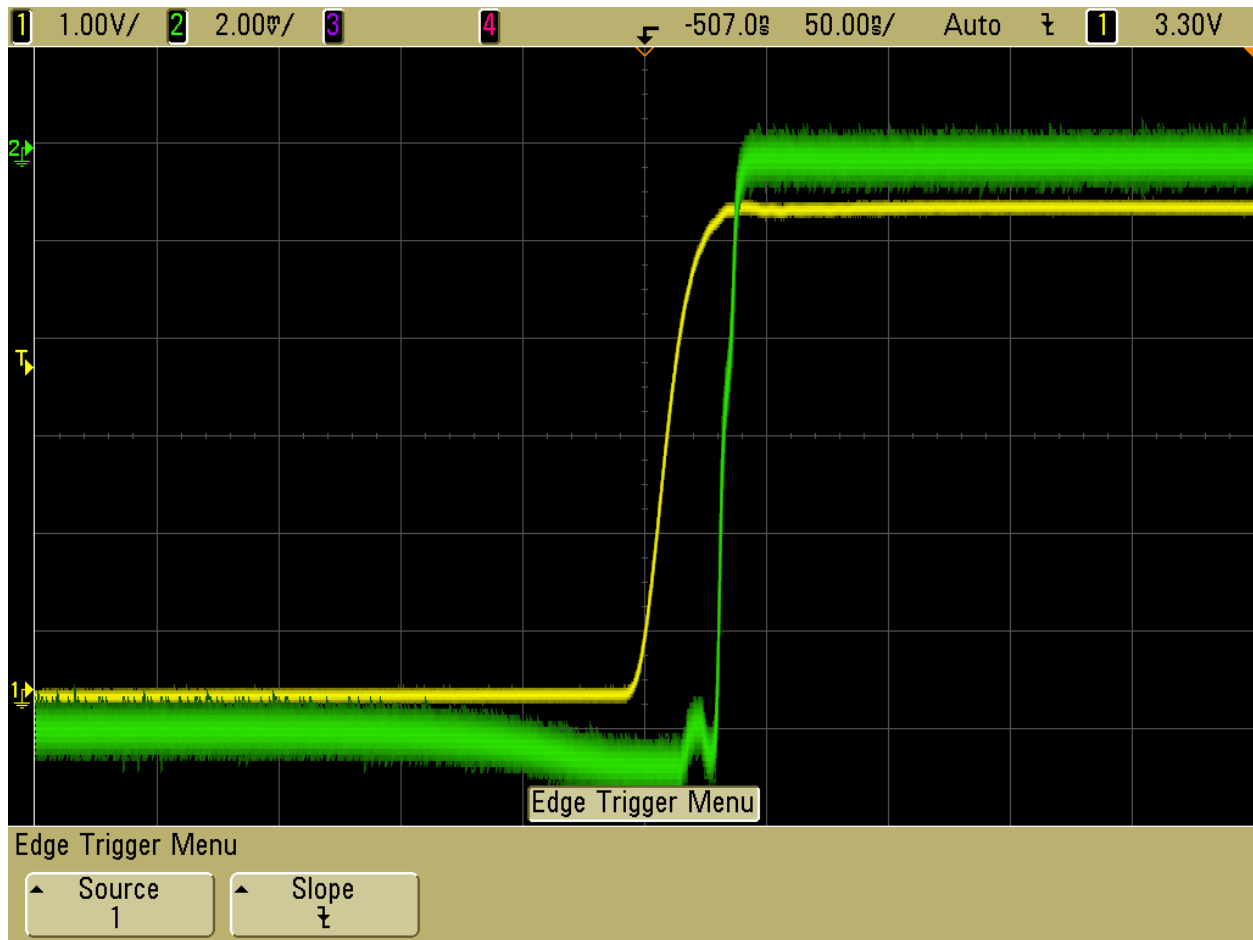
Channel 1 (Yellow): Pulse Generator

Channel 2 (Green): Crystal Detector Output (Negative Voltage when RF Power is present)



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Switching Speed (Delay OFF)



Channel 1 (Yellow): Pulse Generator

Channel 2 (Green): Crystal Detector Output (Negative Voltage when RF Power is present)