



**TYPICAL CHARACTERISTICS
ON
P5T-100M1G-90-T-55-SFF**



**TESTED BY: TRAVIS WENTZ
June 16, 2011**



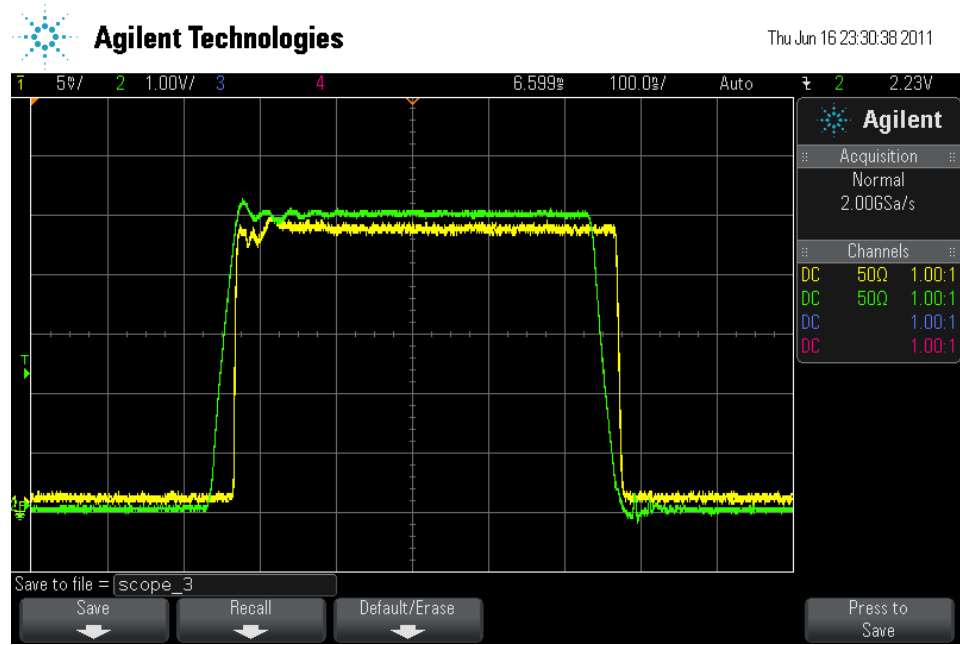
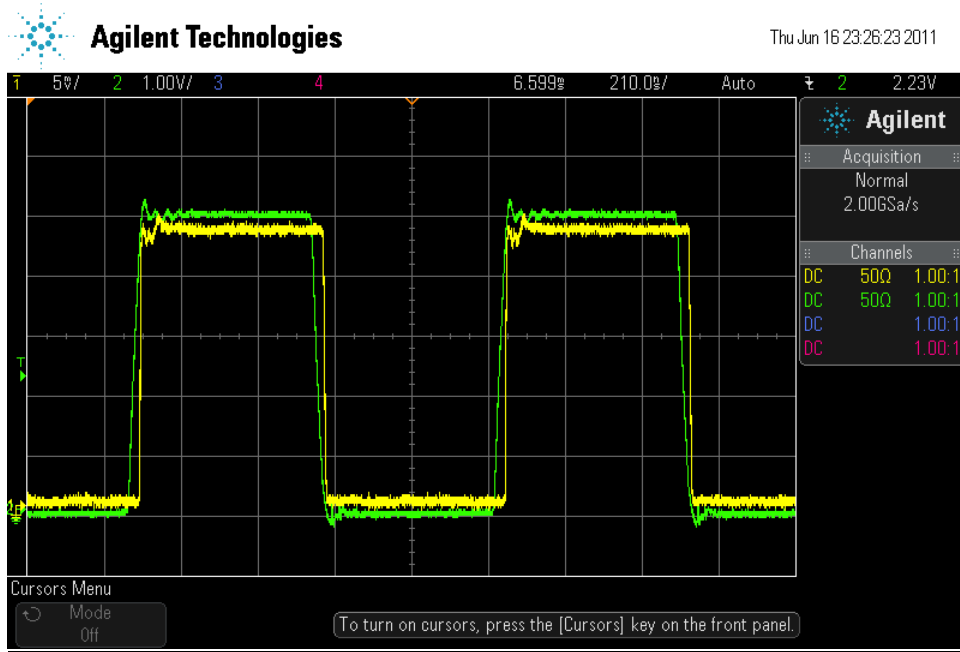
**TEST DATA
ON
P5T-100M1G-90-T-55-SFF**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA/QC
1	Frequency Range:	100 MHz TO 1.0 GHz	100 MHz TO 1.0 GHz	
2	Insertion Loss:	2.5 dB Typ. 3.5 dB Max.	2.9dB See Plot	
3	Isolation:	90 dB Min.	90dB See Plot	
4	VSWR : In/Out	2.0:1 Max	1.7:1 See Plot	
5	Switching Speed:	50 nsec Max.	25ns Characteristics	
6	DC Supply:	+5VDC @ 250 mA NOMINAL -5VDC @ 100 mA NOMINAL	85mA 45mA	
7	Control Signal:	TTL "1" → (LOW LOSS) TTL "0" → (ISOLATION) PINS E1 thru E5 ARE PULLED LOW "0"	Pass	



Switching Speed

Full Pulse



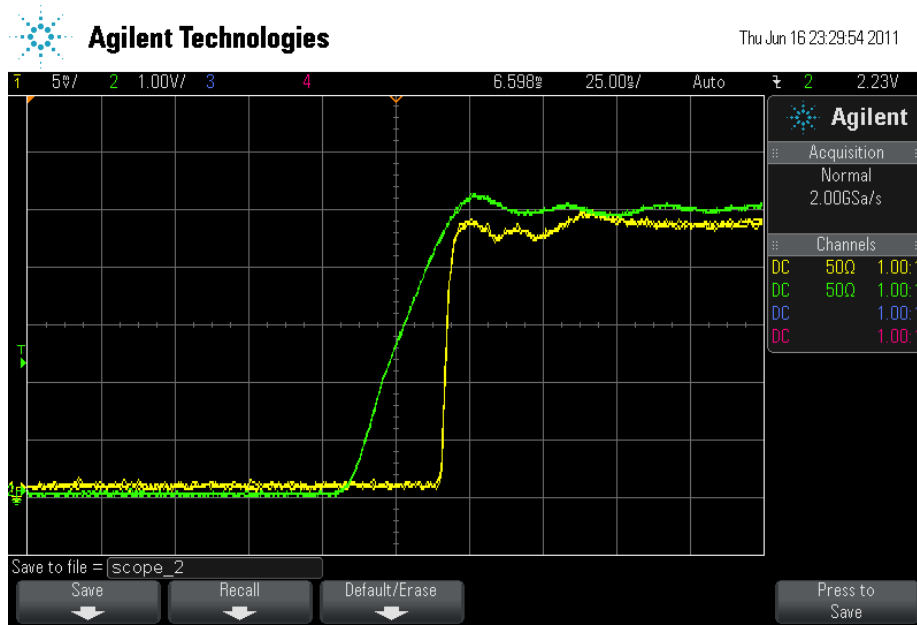
Green Trace: TTL signal

Yellow Trace: RF signal

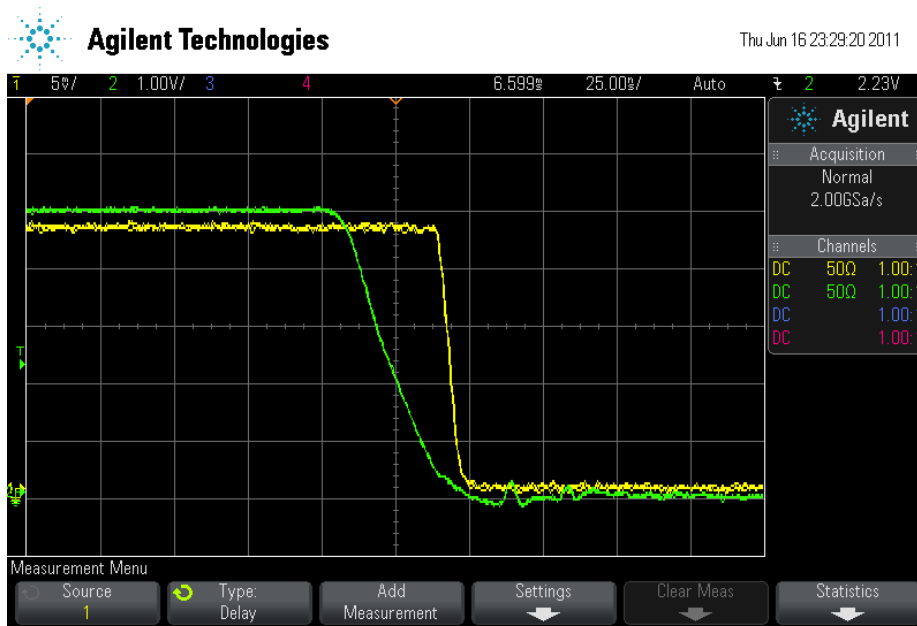


Switching Speed

ON Delay



OFF Delay

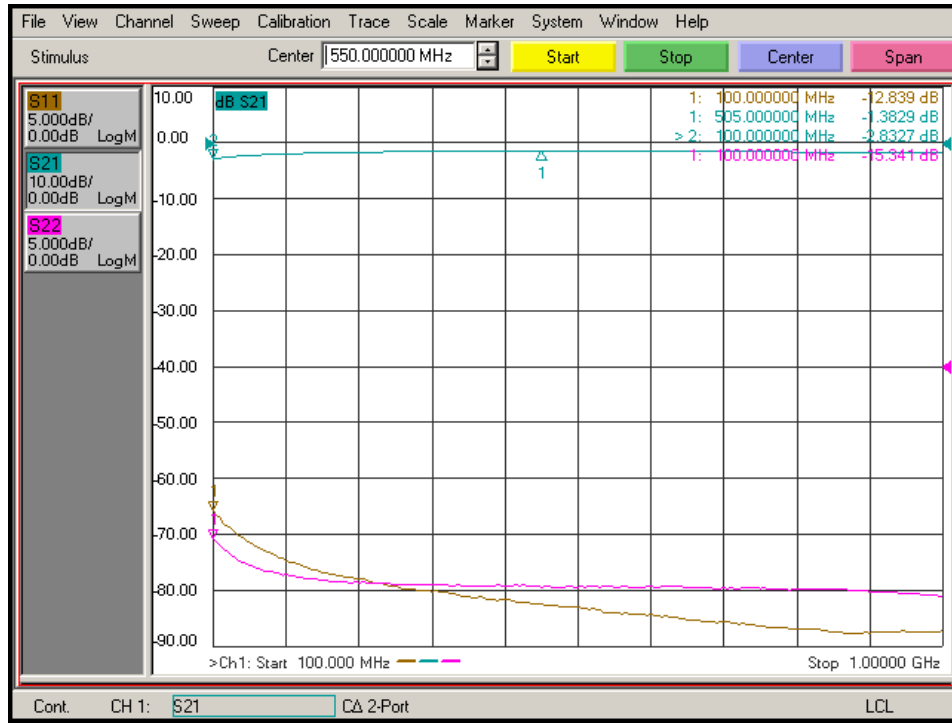


Green Trace: TTL signal

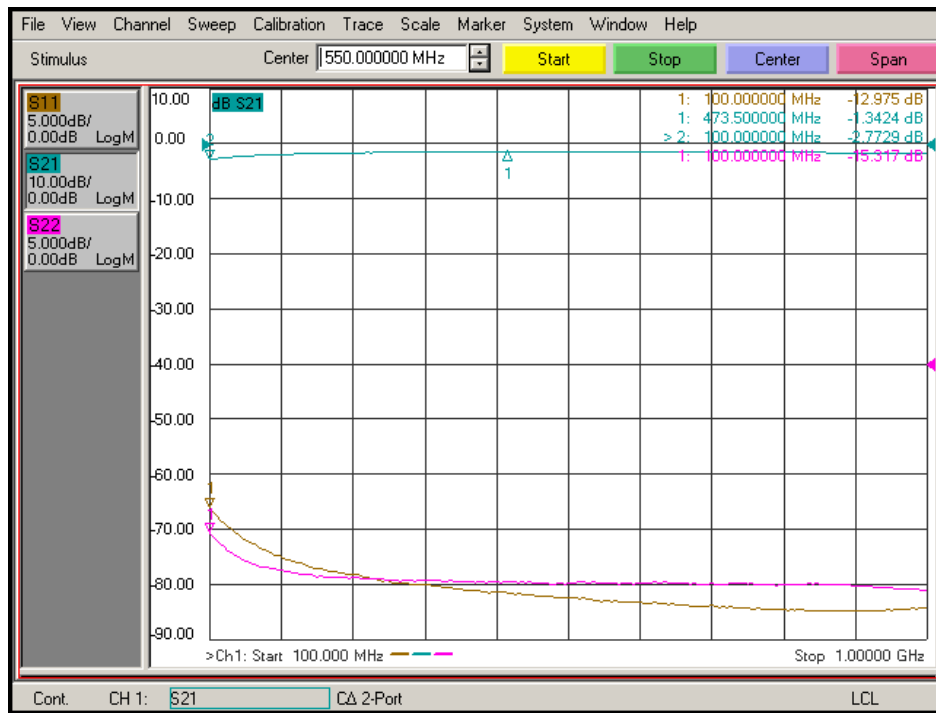
Yellow Trace: RF signal



(J1-J2) Insertion Loss and Return Loss

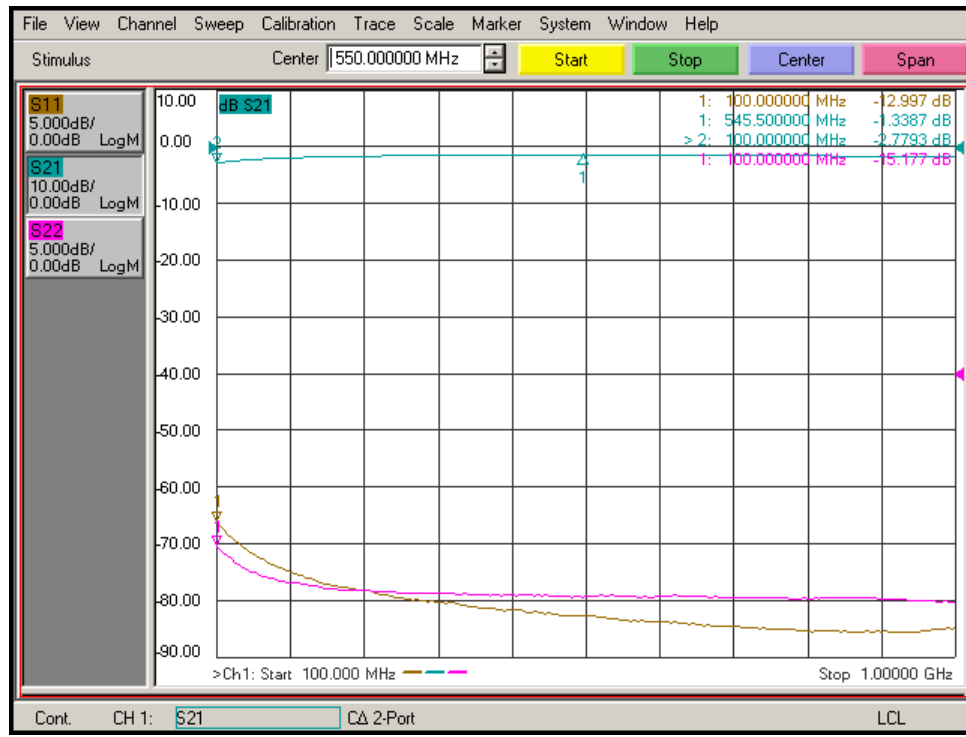


(J1-J3) Insertion Loss and Return Loss

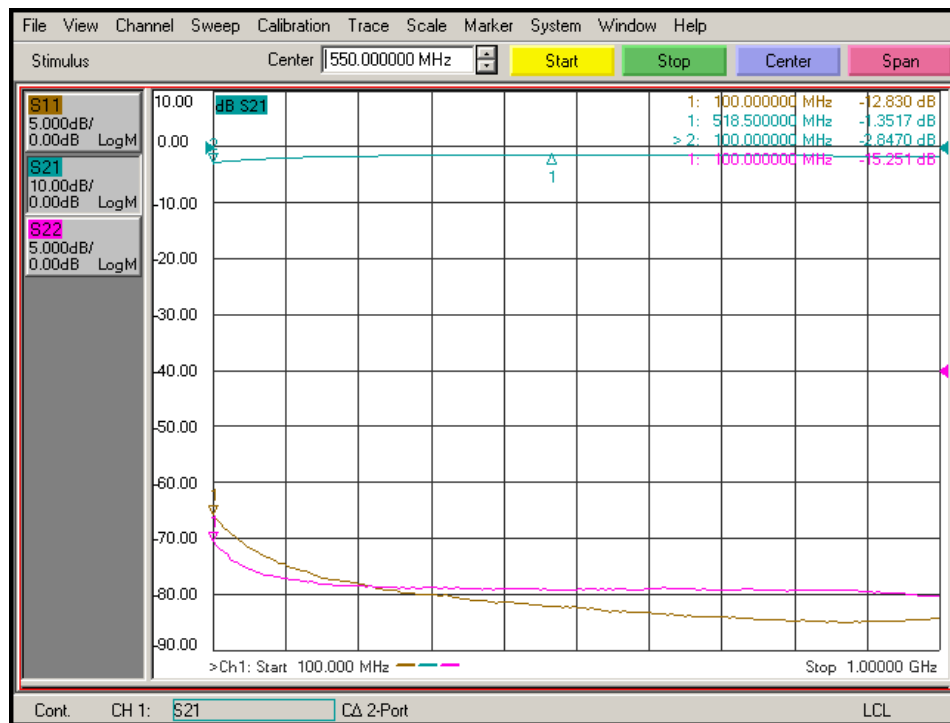




(J1-J4) Insertion Loss and Return Loss

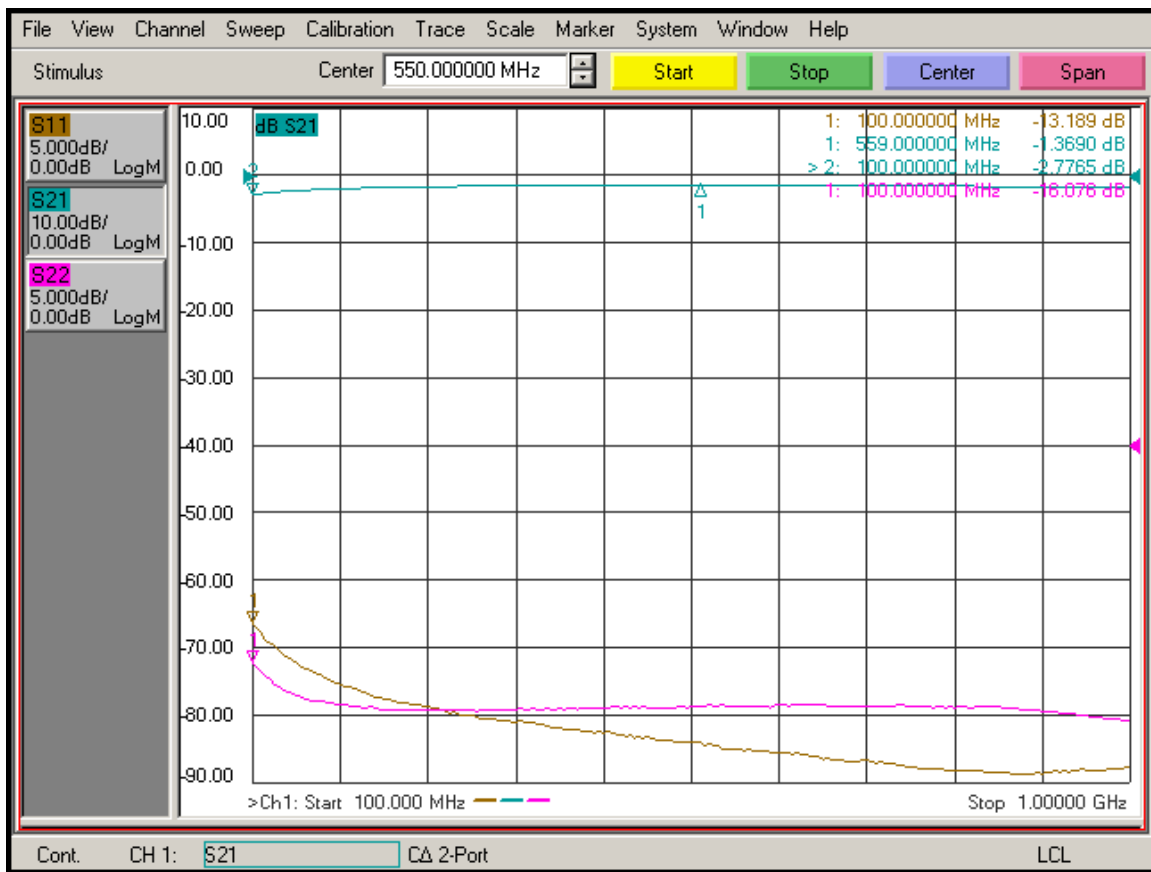


(J1-J5) Insertion Loss and Return Loss



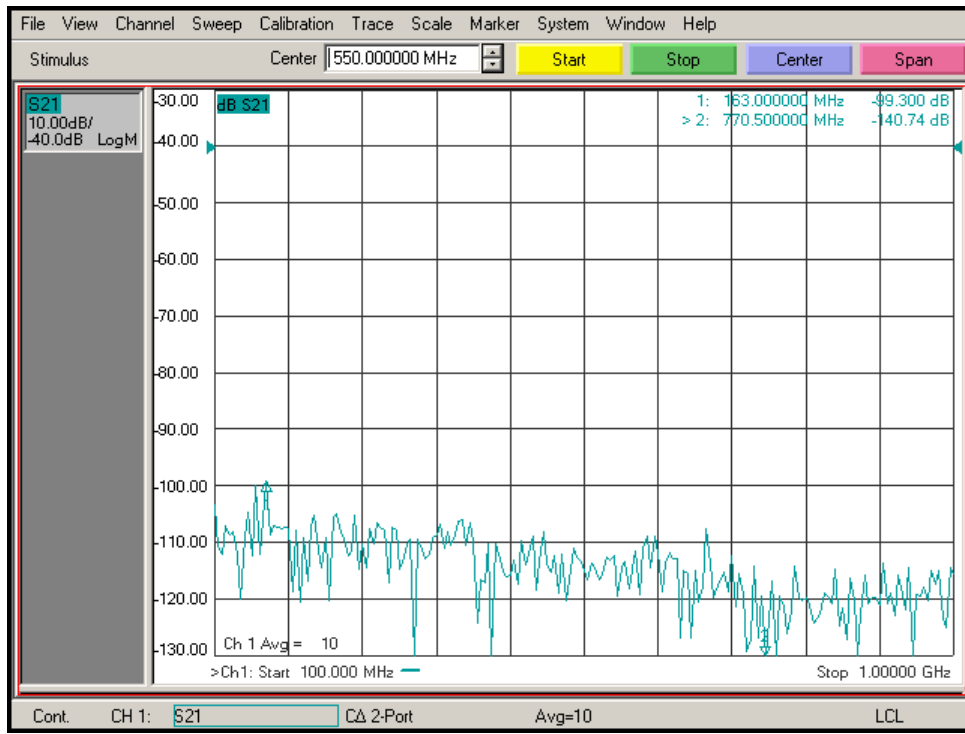


(J1-J6) Insertion Loss and Return Loss

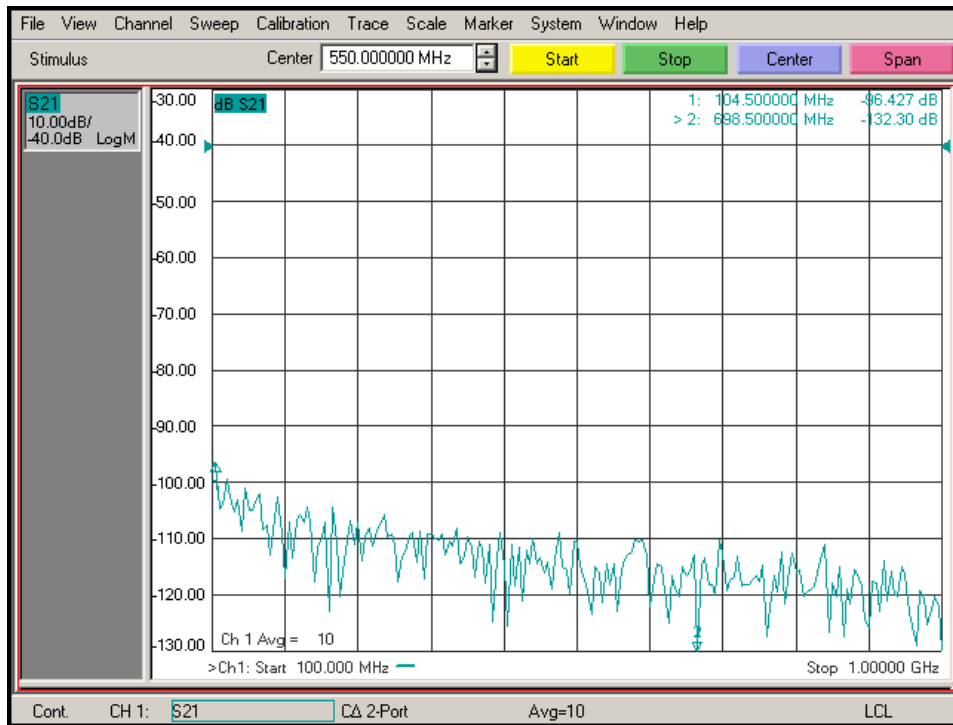




(J1 – J2) Isolation

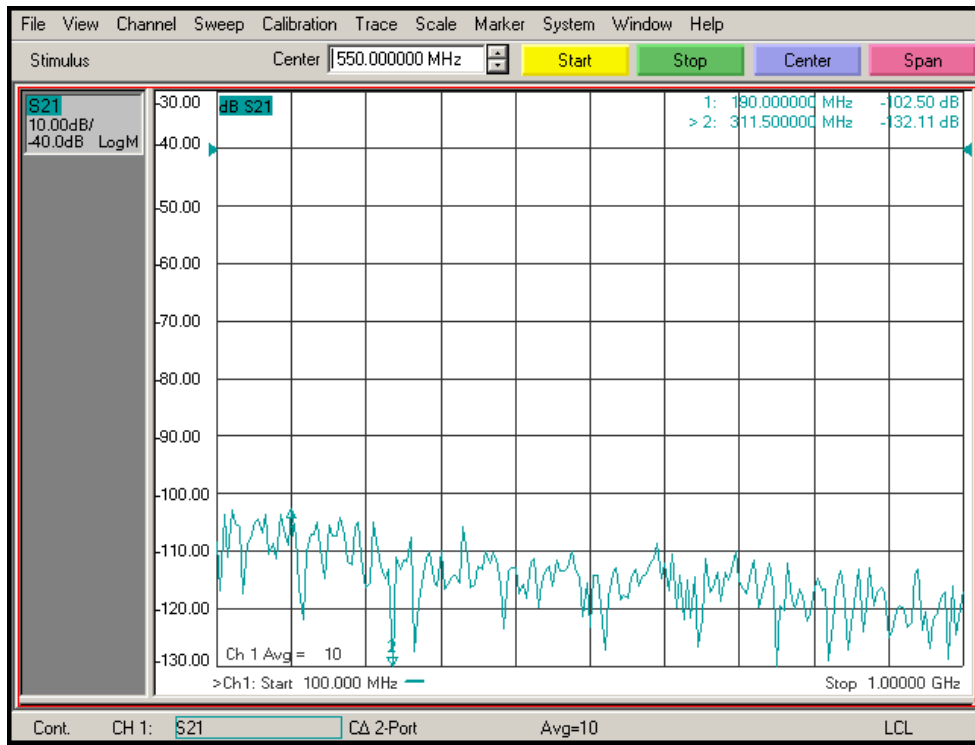


(J1 – J3) Isolation

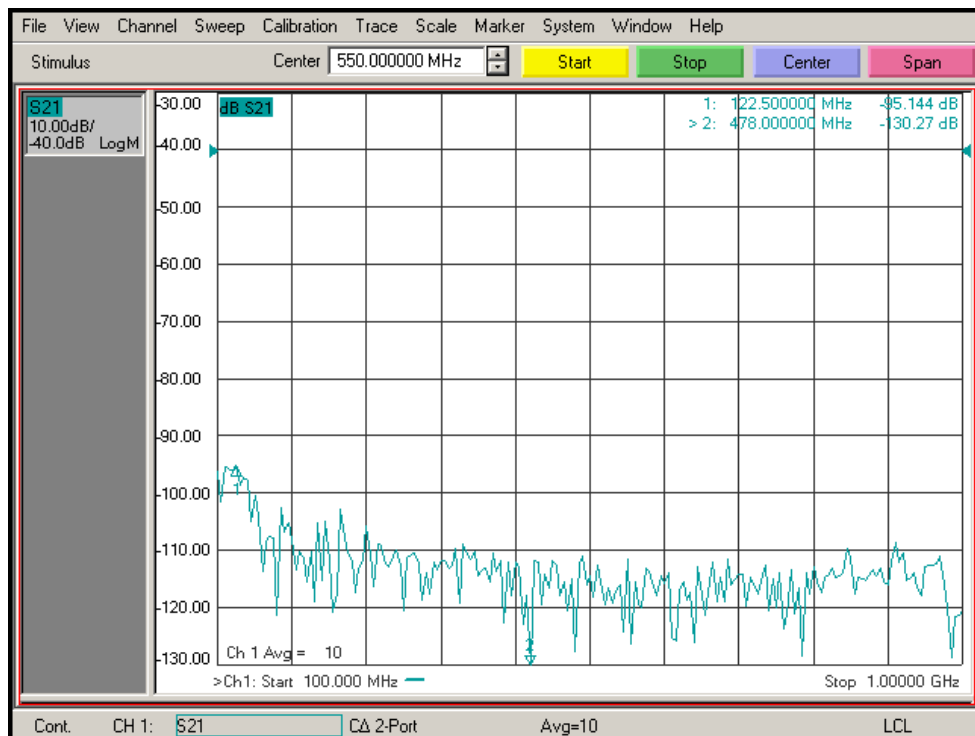




(J1 – J4) Isolation

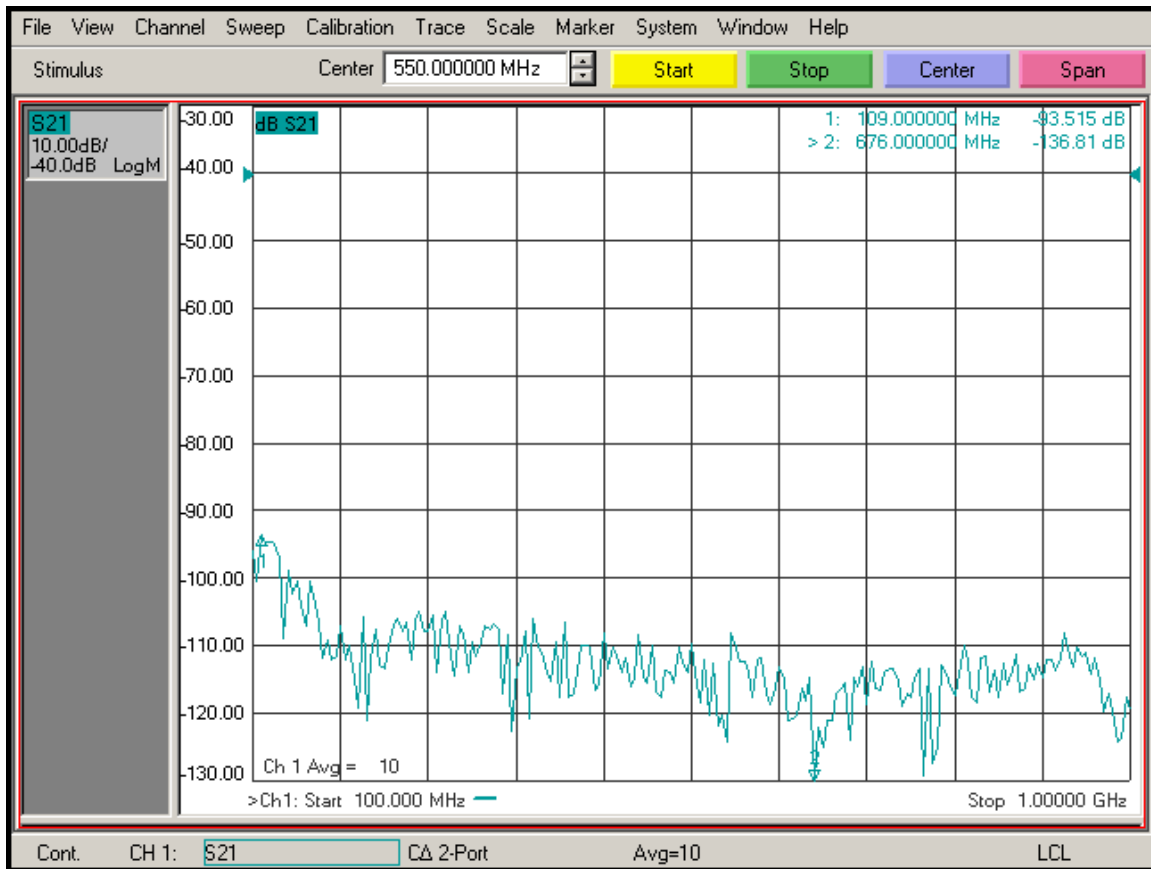


(J1 – J5) Isolation





(J1 – J6) Isolation





(J1 – J2) Termination Return Loss



(J1 – J3) Termination Return Loss





(J1 – J4) Termination Return Loss



(J1 – J5) Termination Return Loss





(J1 – J6) Termination Return Loss

