



**TYPICAL CHARACTERISTICS  
ON  
P2T-8G11G-90-T-SFF**



**TESTED BY: SEBASTIAN PALACIO  
MAY 31, 2001**

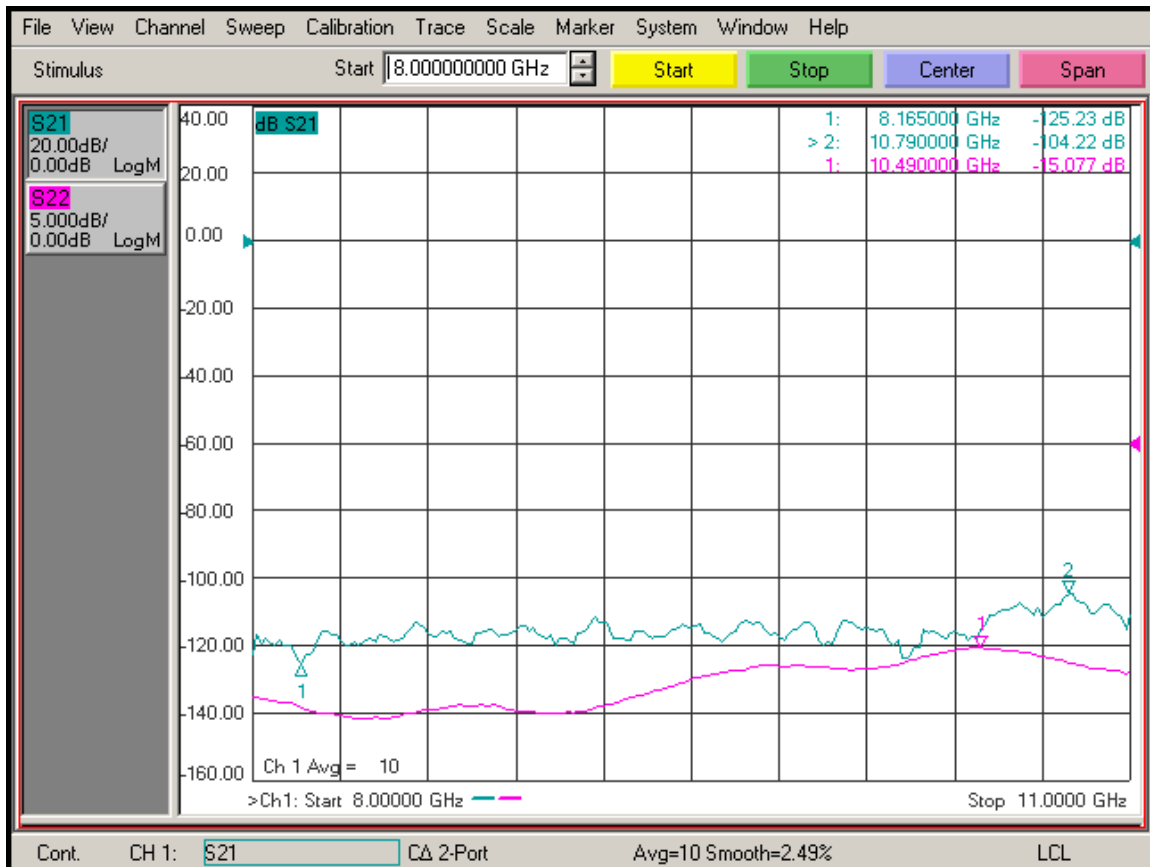


**TEST DATA  
ON  
P2T-8G11G-90-T-SFF**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA/QC
1	Frequency Range:	8.0 TO 11.0 GHz	8.0 TO 11.0 GHz	
2	Isolation:	90 dB Min.	104dB (See Plot)	
3	Insertion Loss:	2.5 dB Typ. 3.5 dB Max.	2.1dB (See Plot)	
4	VSWR : In/Out	2.0:1 Max	1.6:1 (See Plot)	
5	Input Power:	+20dBm CW Max. (OPERATING)	Pass By Design	
6	Survival Power:	1W PEAK 1 $\mu$ sec	Pass By Design	
7	Switching Speed:	50 nsec Max.	15-20nSec (See Plot)	
8	DC Supply:	+5VDC @ 200 mA Max -5VDC @ 100 mA Max.	42mA 32mA	
9	Control Signal:	TTL "0" $\rightarrow$ (J1-J2) TTL "1" $\rightarrow$ (J1-J3)	Pass	

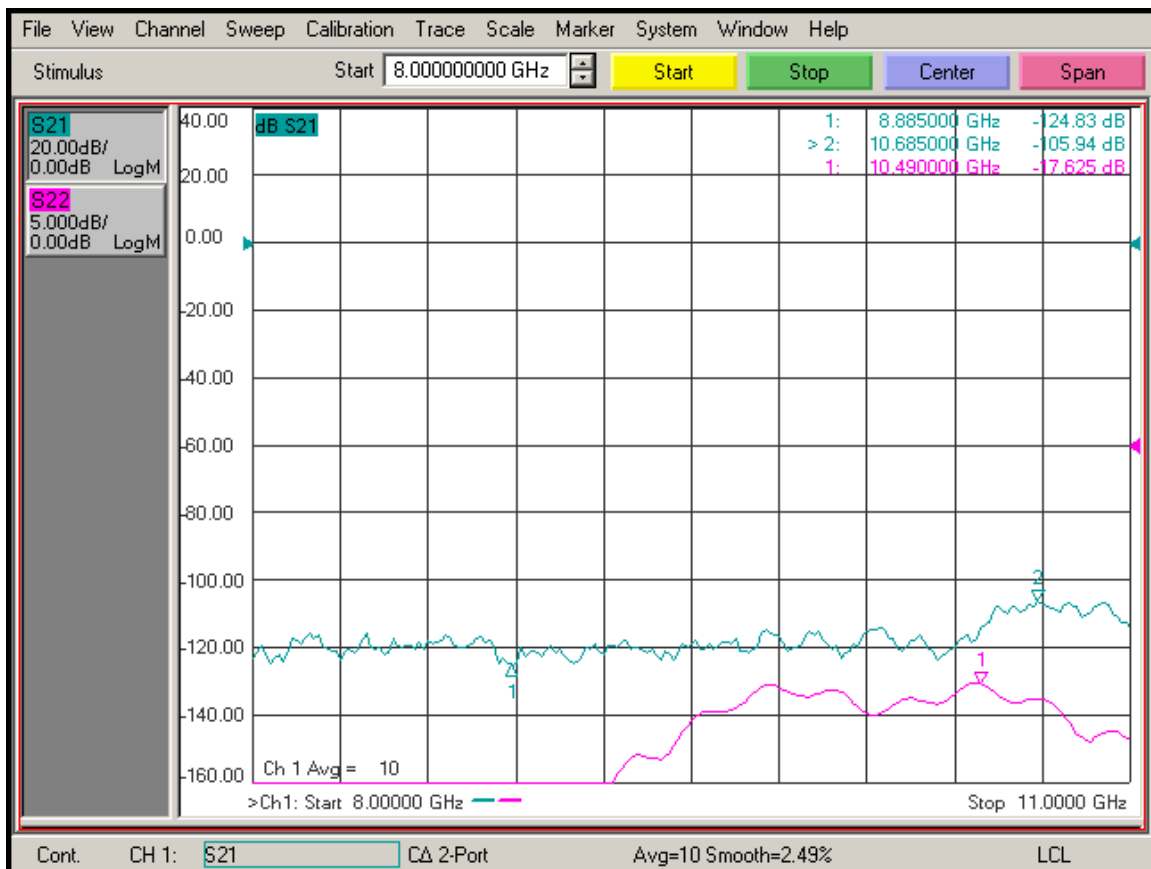


## Isolation & Termination (J2) VSWR



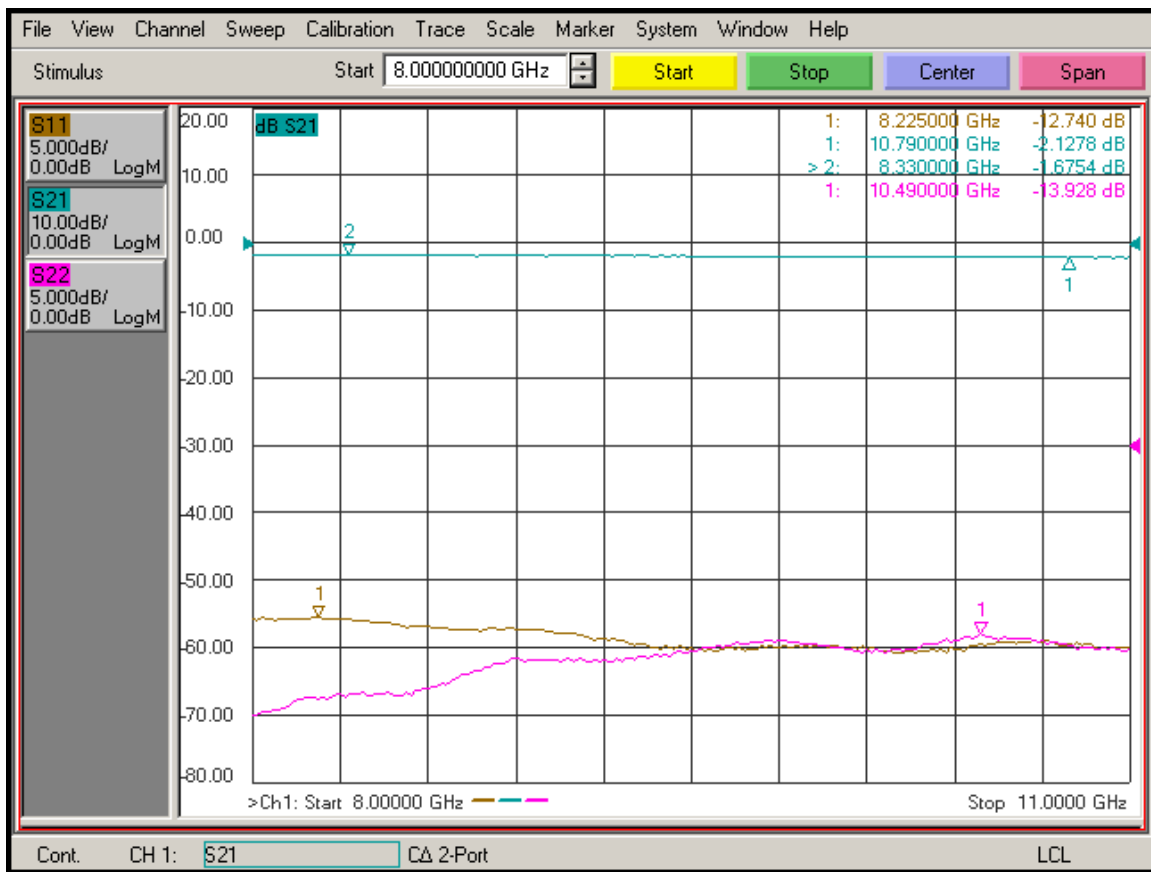


## Isolation & Termination (J3) VSWR



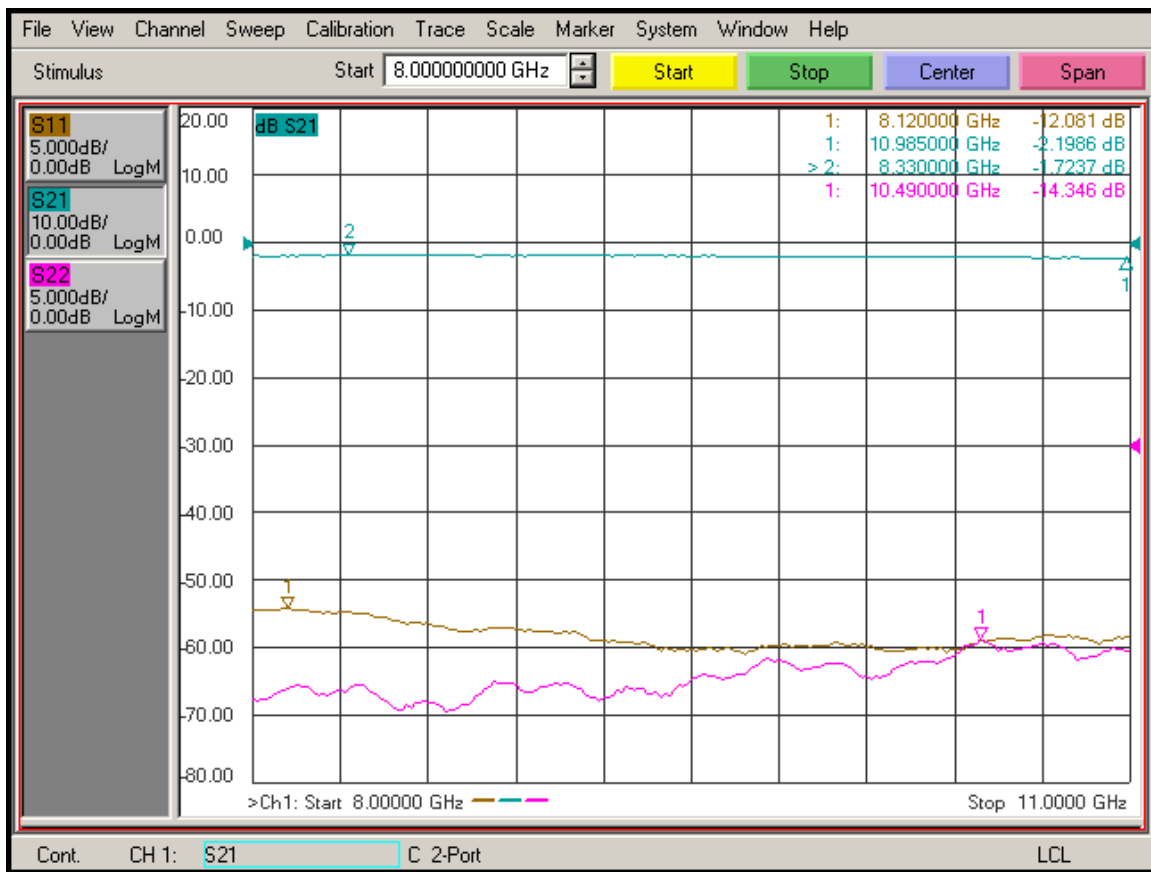


## Insertion Loss and Return Loss (J1 – J2)





### Insertion Loss and Return Loss (J1 – J3)



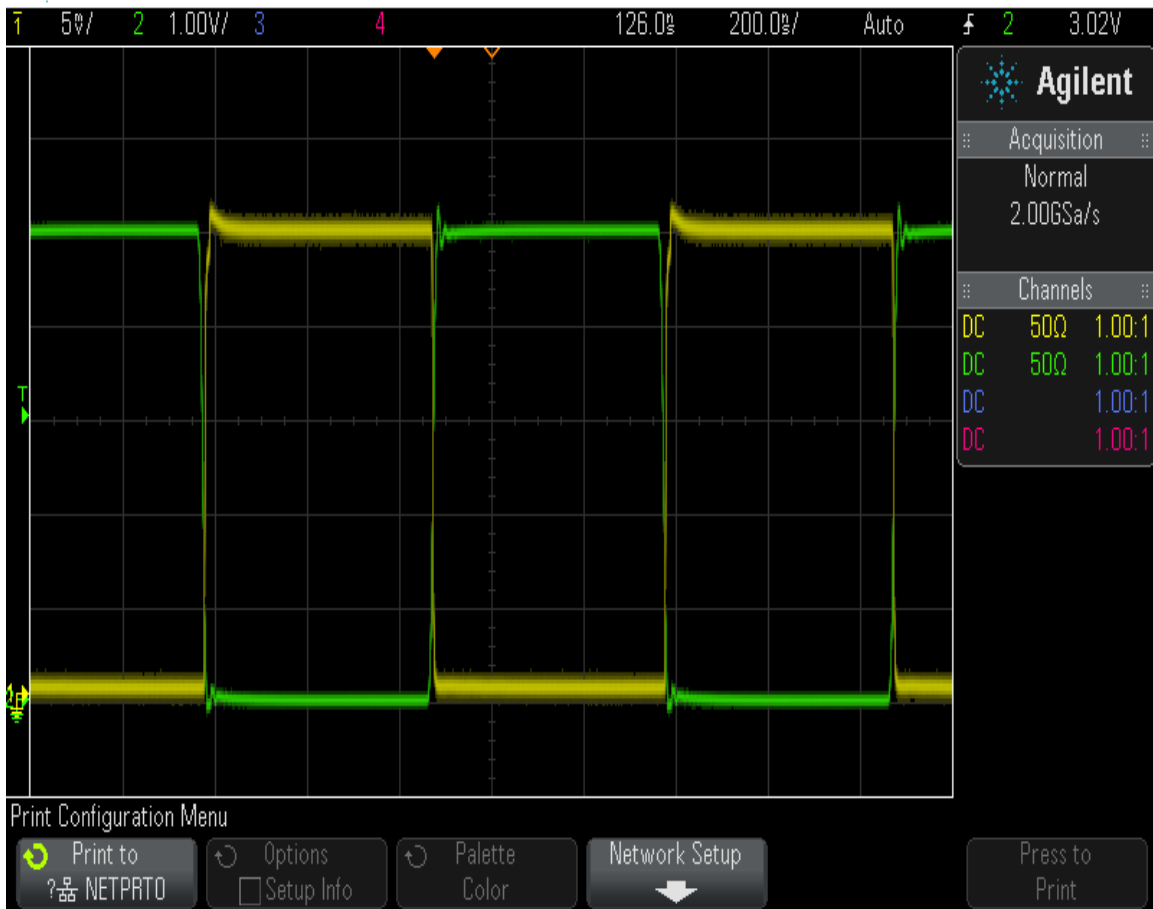


## Switching Speed

### Full pulse



Wed Jun 01 01:43:38 2011



**Channel 1 (Yellow):** RF Output

**Channel 2 (Green):** TTL Input from Signal Generator

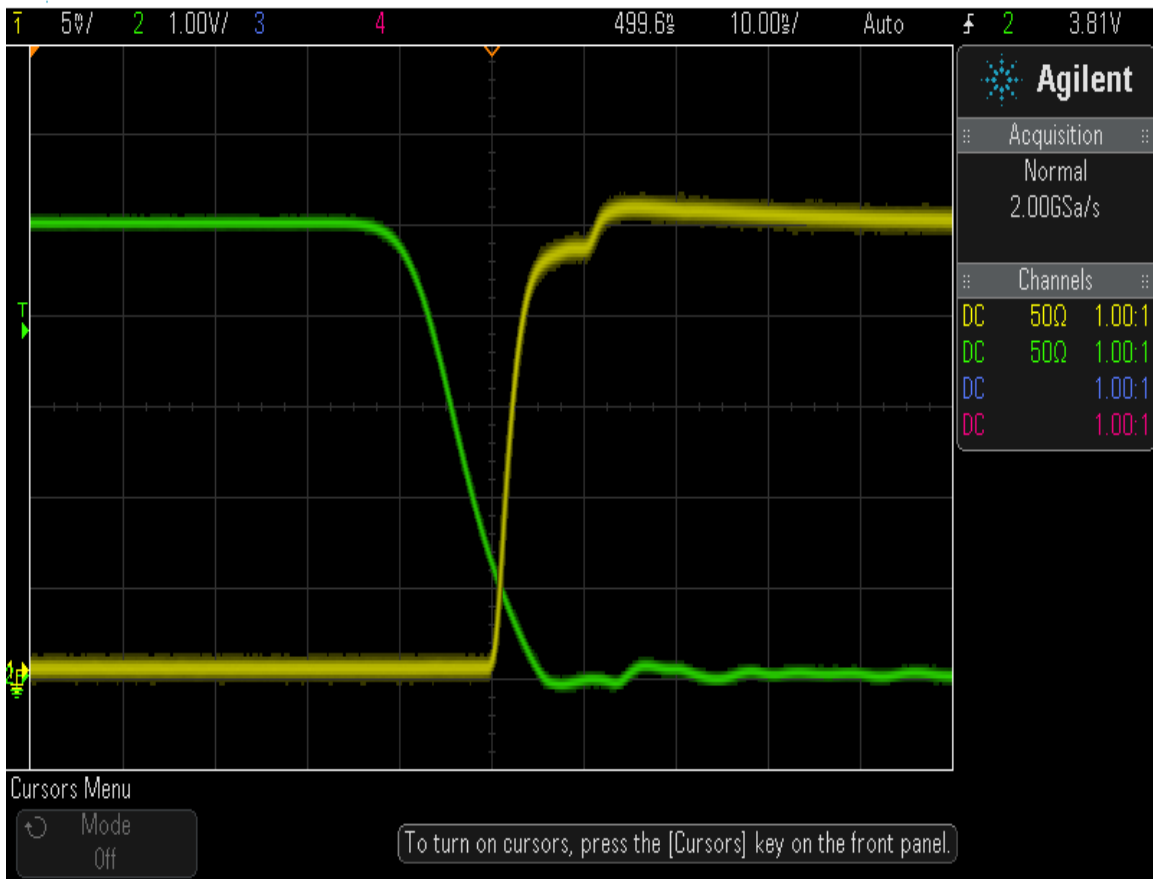


## Switching Speed

### ON Delay



Wed Jun 01 02:11:02 2011



**Channel 1 (Yellow):** RF Output

**Channel 2 (Green):** TTL Input from Signal Generator



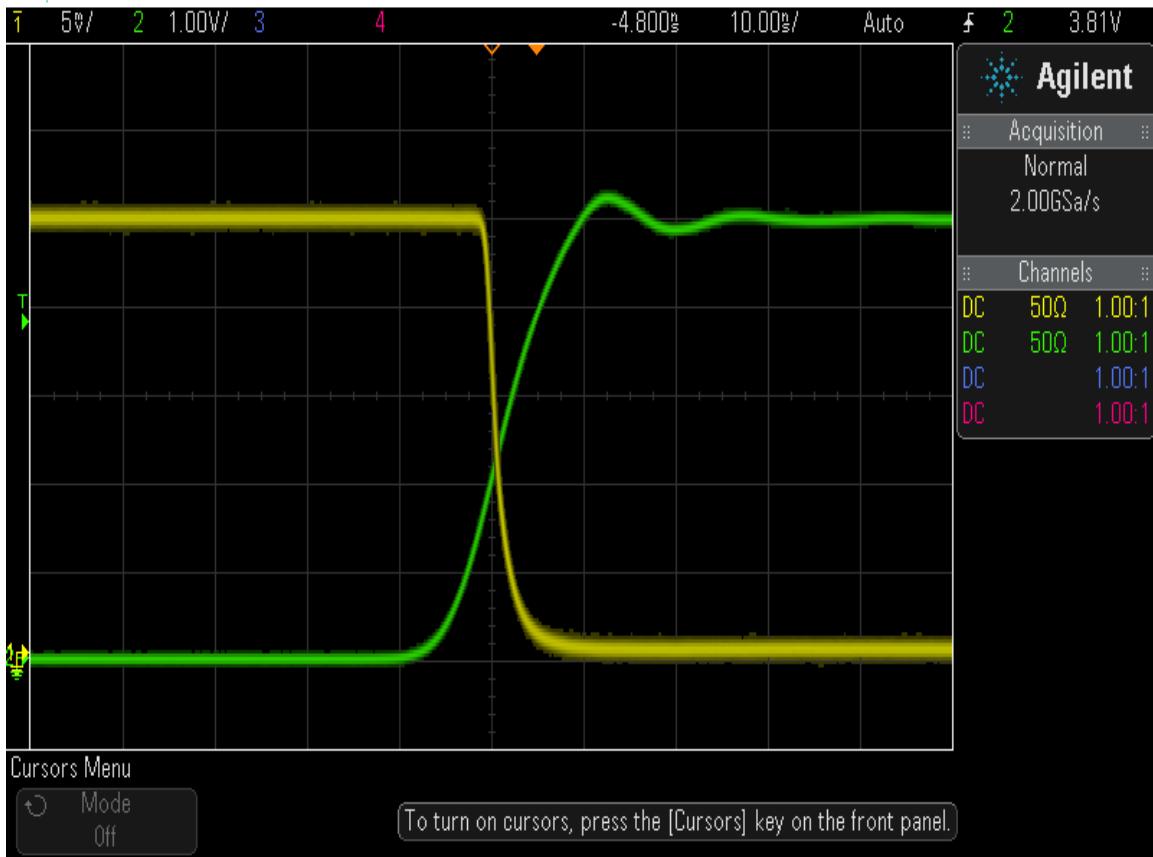


## Switching Speed

### OFF Delay



Wed Jun 01 01:58:09 2011



**Channel 1 (Yellow):** RF Output

**Channel 2 (Green):** TTL Input from Signal Generator