



**TYPICAL CHARACTERISTICS
ON
P6T-2G18G-55-R-512-SFF**



**TESTED BY: SEBASTIAN PALACIO
MAY, 11 2011**



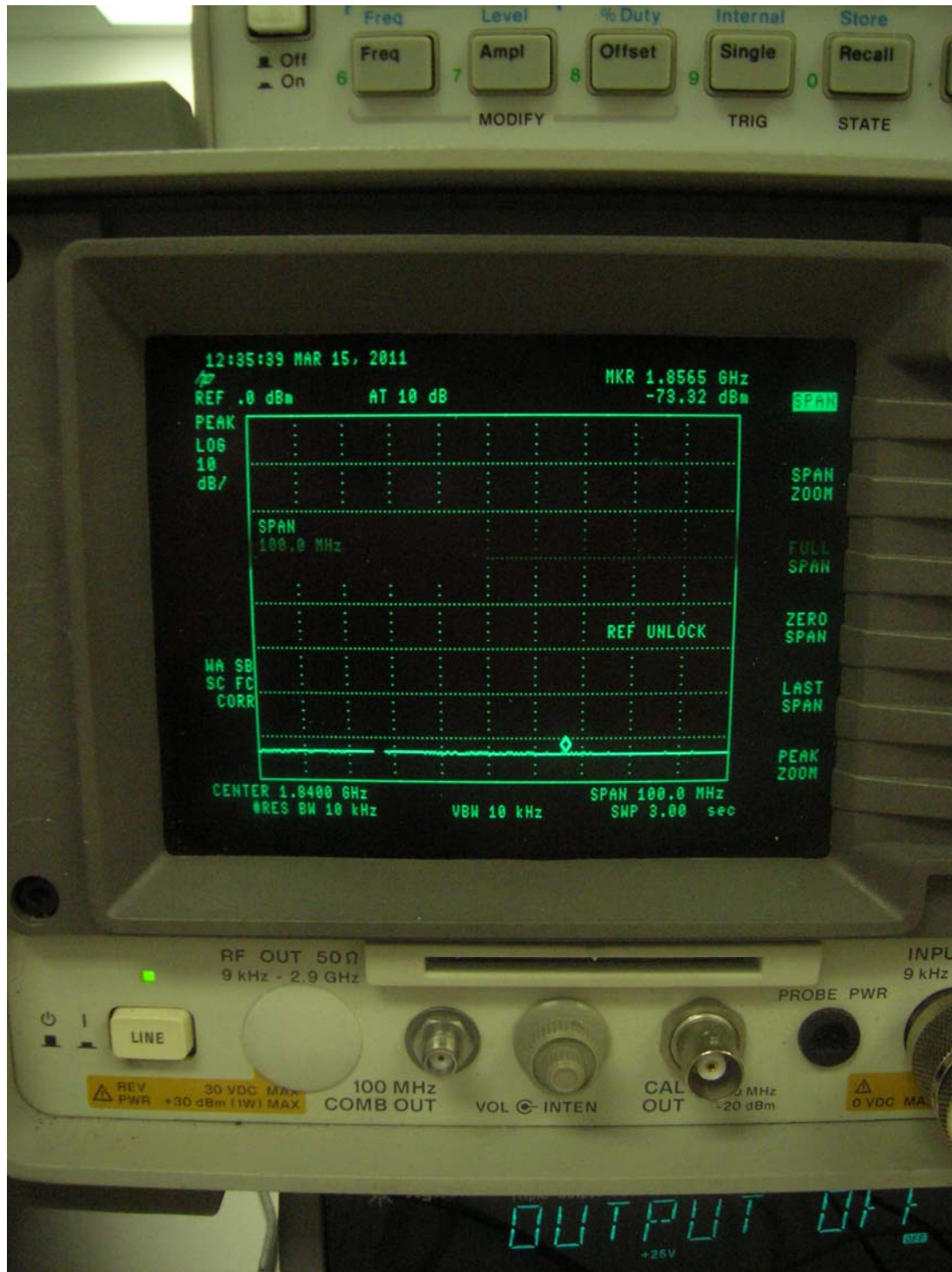
**TEST DATA
ON
P6T-2G18G-55-R-512-SFF**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA/QC
1	Frequency Range:	2 – 18 GHz	Pass See Plot	
2	Insertion Loss:	7.0 dB Max.	Pass See Plot	
3	Isolation:	55 dB Min.	Pass See Plot	
4	VSWR:	2.0:1 Max.	Pass See Plot	
5	Switching Speed:	15 nS Max. ON/OFF	Pass See Typical Characteristics	
6	Input Power:	+10dBm CW Max.	Pass	
7	Video Leakage:	15mV @ 350MHz BW Max.	Pass	
8	Video Transients Spectral Content:	-65dBm Typ.	See Typical Characteristics	
9	DC Supply:	+5VDC - 200 mA -12VDC - 60 mA	100 mA 8 mA	
10	Control Signal:	TTL "0" → LOW LOSS TTL "1" → ISOLATION PINS E1 THRU E6 PULLED HIGH "1"	Pass	



Spectral Content @ 1.8565 GHz

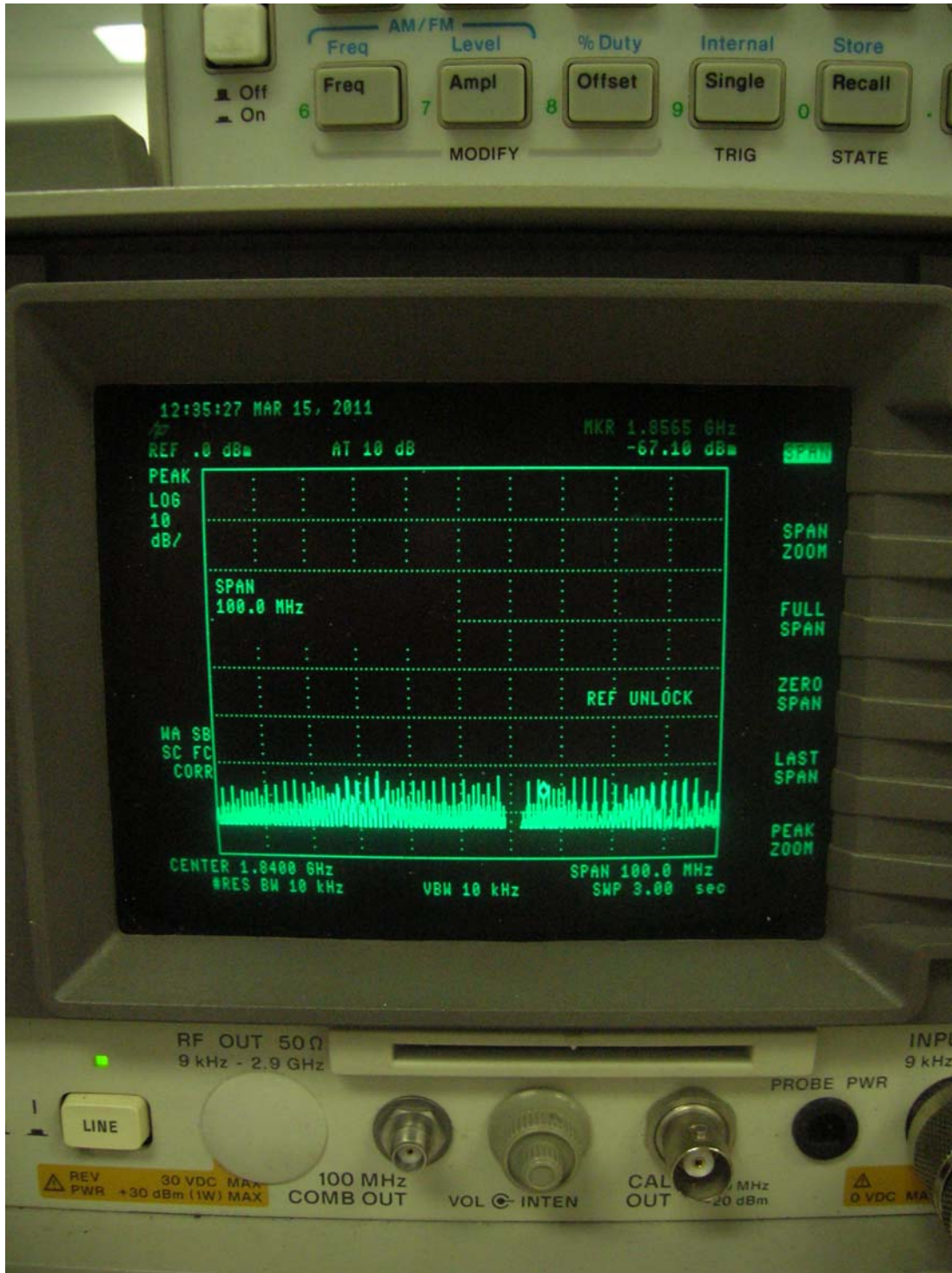
Worst Case – Pulse OFF





Spectral Content @ 1.8565 GHz

Worst Case – Pulse ON





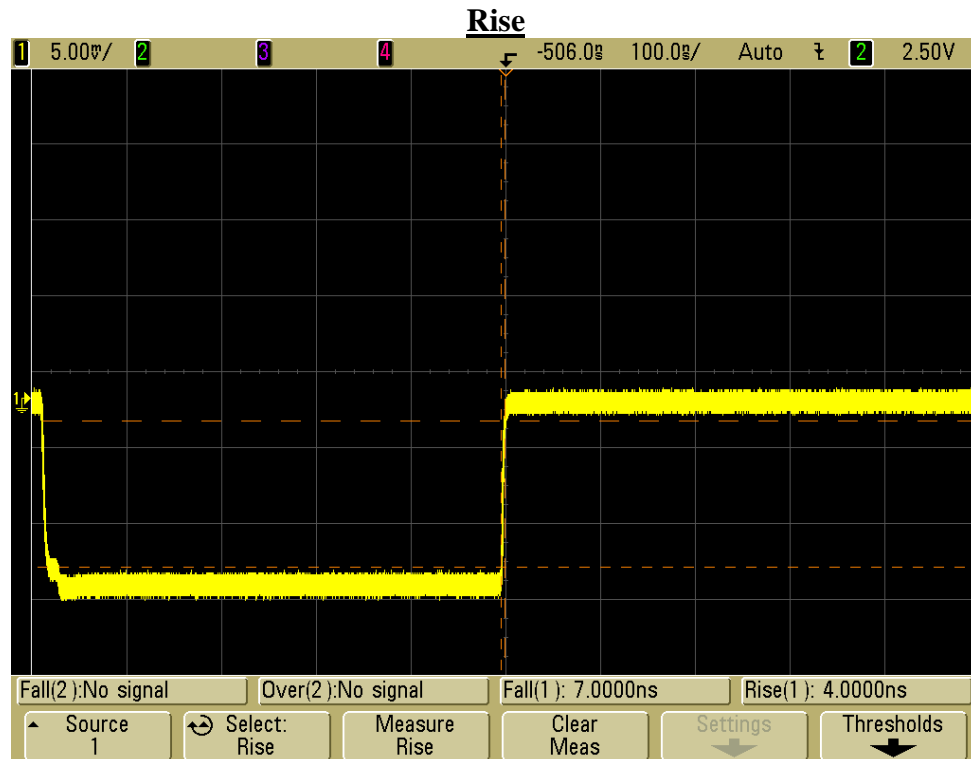
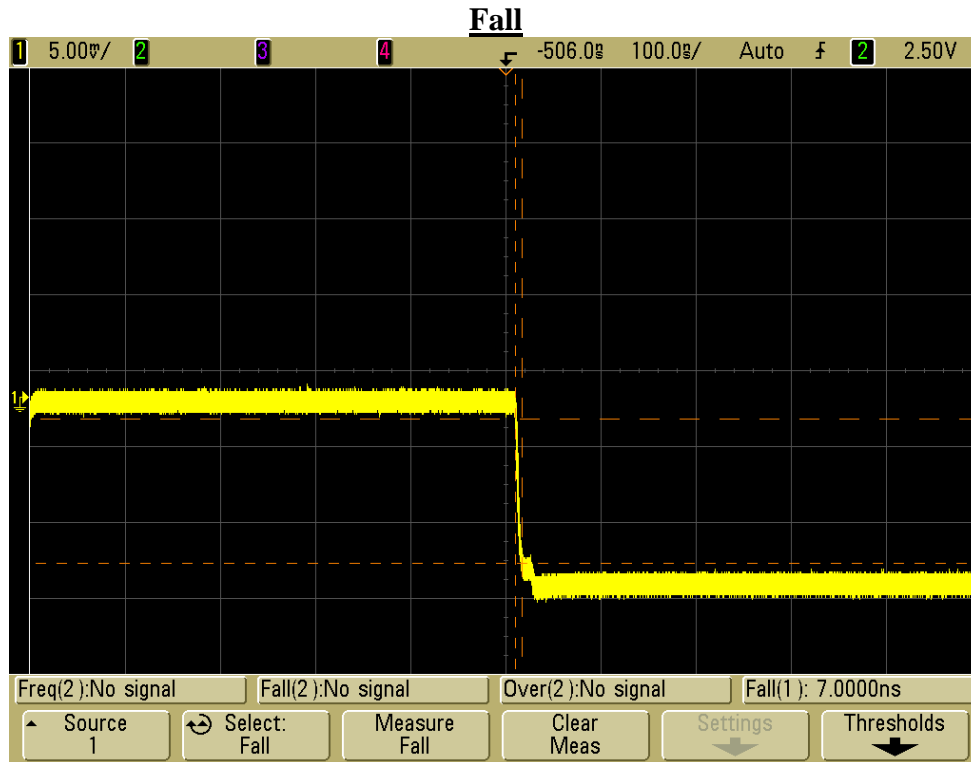
Spectral Content Table

GHz	STEP 1		STEP 2	STEP 4		STEP 5	STEP 6		
	GAIN (dB)		Noise level without switching signal (dBm)	Noise level with switching signal (dBm)		(N)		dBm	mW
1	G1	30	-73	X1	-73	0	Y1	-103	
1.8565	G2	29.4	-73	X2	-64	9	Y2	-96.4	
3	G3	30.2	-73	X3	-70	3	Y3	-100.2	
4	G4	30.25	-73	X4	-73	0	Y4	-103.25	
5	G5	30.1	-73	X5	-73	0	Y5	-103.1	
6	G6	29.9	-73	X6	-73	0	Y6	-102.9	
7	G7	29.7	-73	X7	-73	0	Y7	-102.7	
8	G8	30	-73	X8	-73	0	Y8	-103	
9	G9	30.5	-73	X9	-73	0	Y9	-103.5	
10	G10	30.8	-73	X10	-73	0	Y10	-103.8	
11	G11	30.3	-73	X11	-73	0	Y11	-103.3	
12	G12	29.2	-73	X12	-73	0	Y12	-102.2	-9.64
13	G13	29.2	-73	X13	-73	0	Y13	-102.2	2.29087E-10
14	G14	28.8	-73	X14	-73	0	Y14	-101.8	-10.02
15	G15	28.6	-73	X15	-73	0	Y15	-101.6	9.54993E-11
16	G16	28.6	-73	X16	-73	0	Y16	-101.6	3.24586E-10
17	G17	28.7	-73	X17	-73	0	Y17	-101.7	1.62293E-10
18	G18	28.6	-73	X18	-73	0	Y18	-101.6	-9.78970018

L= -59.8970018



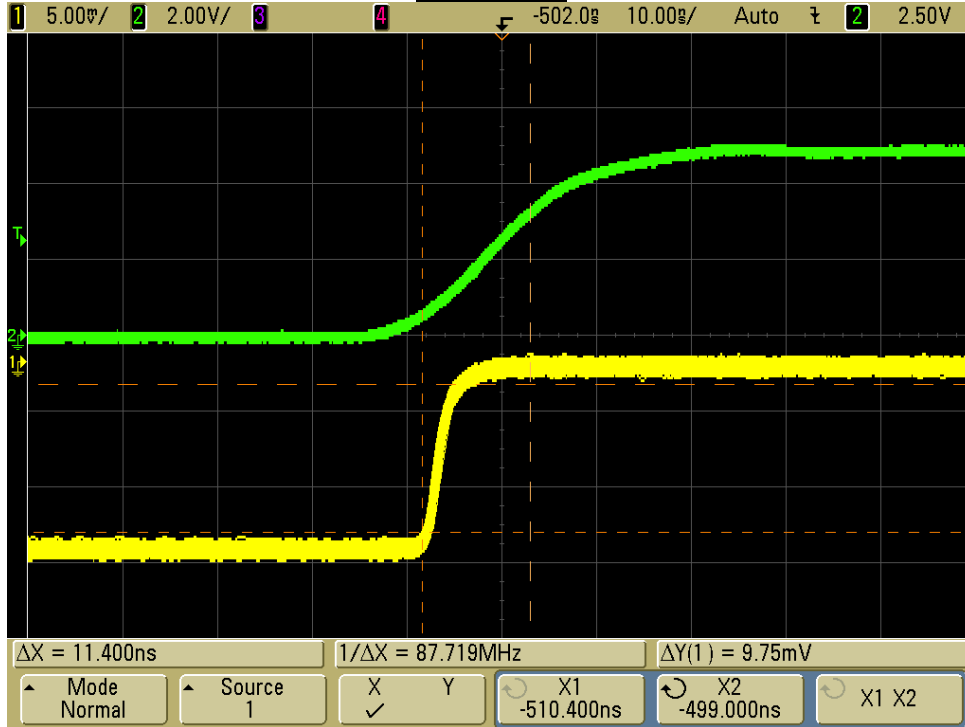
Switching Speed TYP.





Switching Speed TYP.

Delay OFF

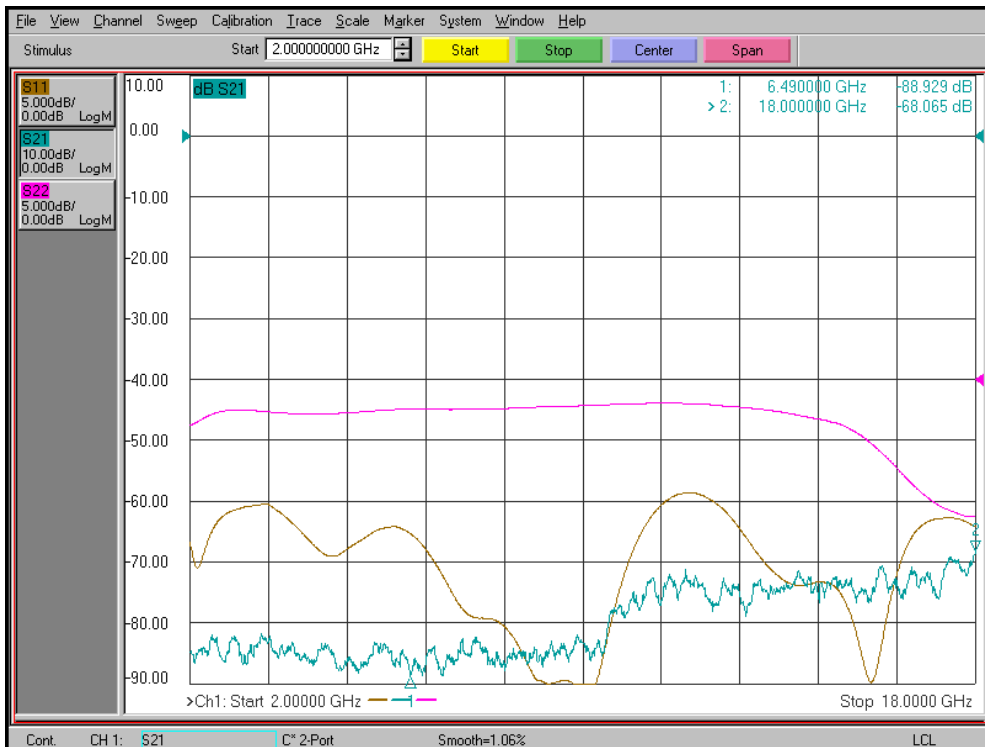
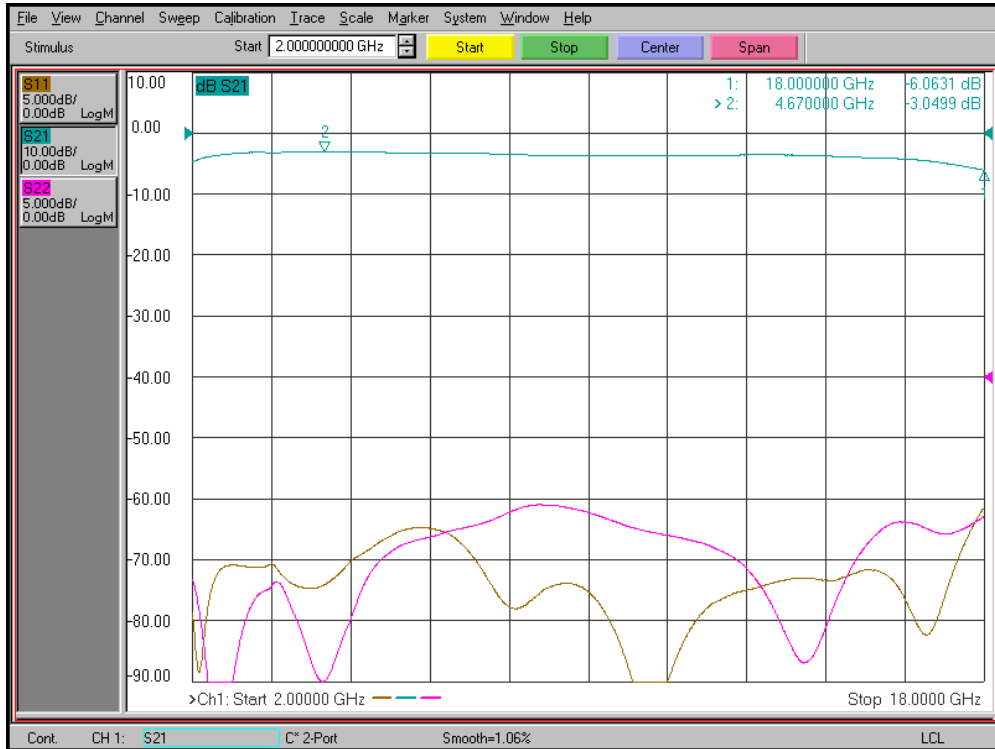


Delay ON



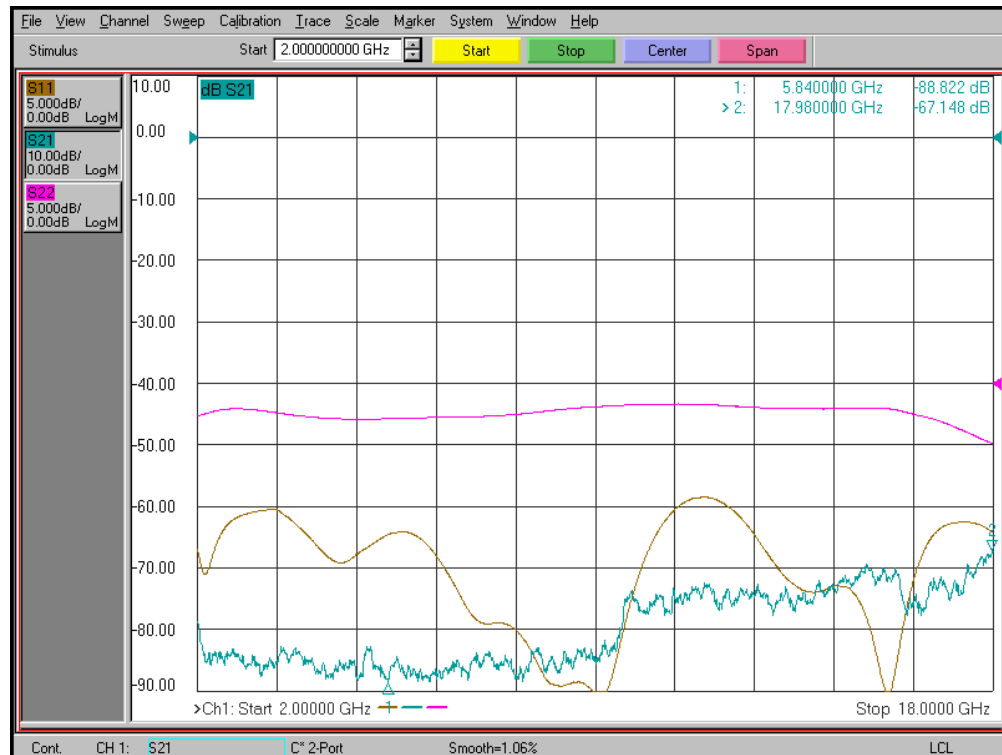
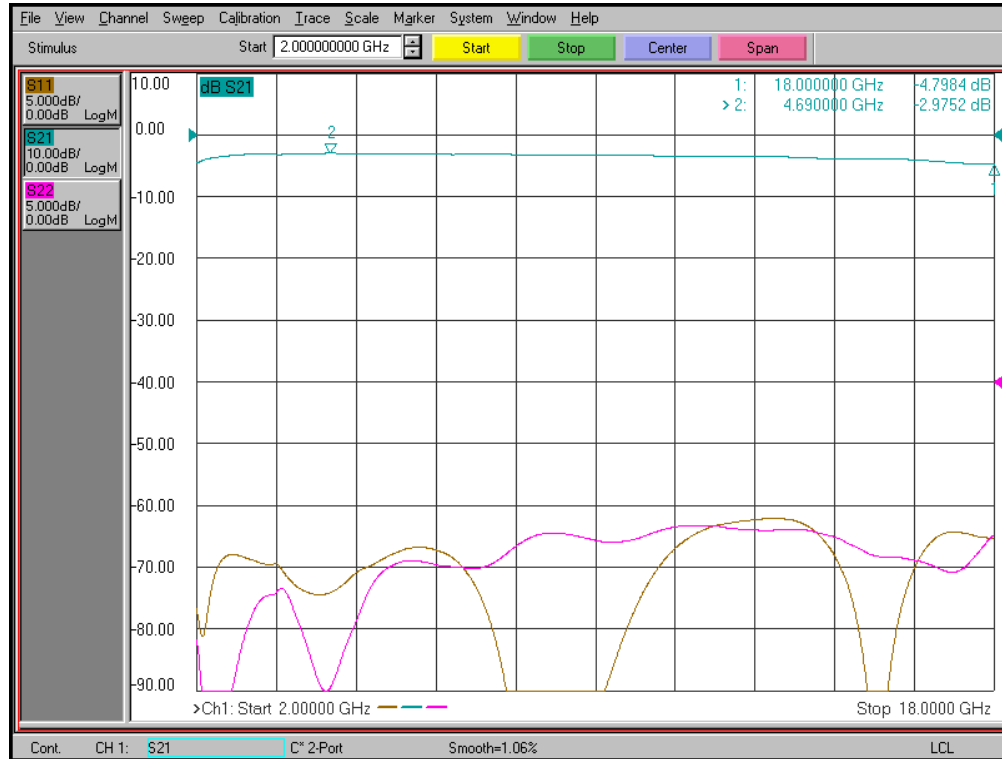


Insertion Loss and Return Loss (J0 – J1) & Isolation Typ.



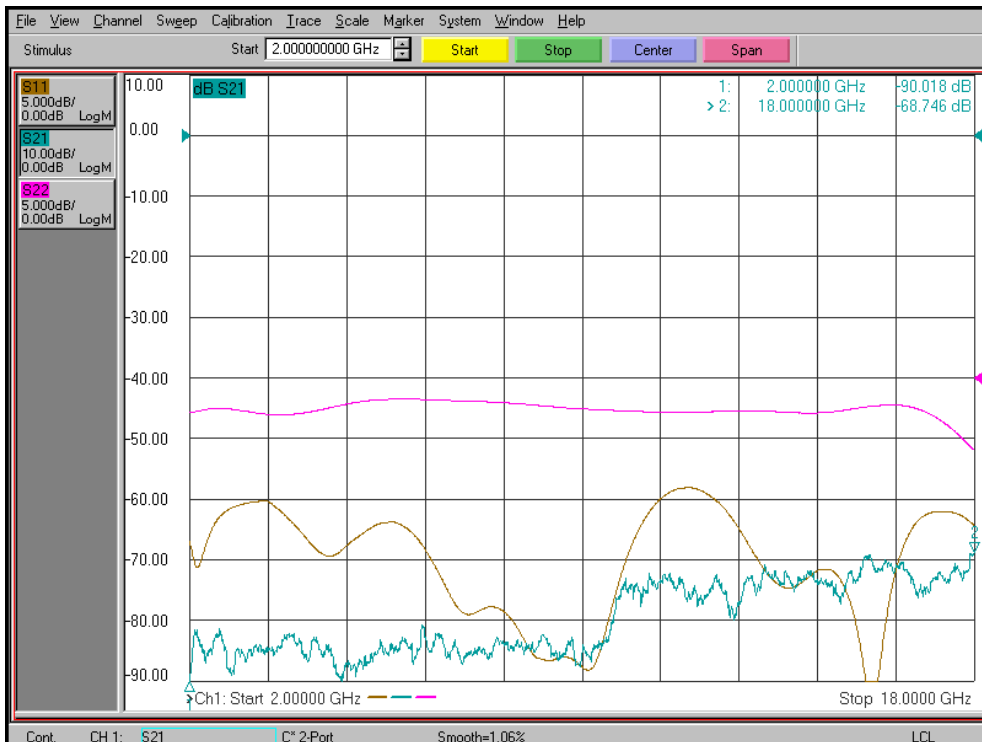
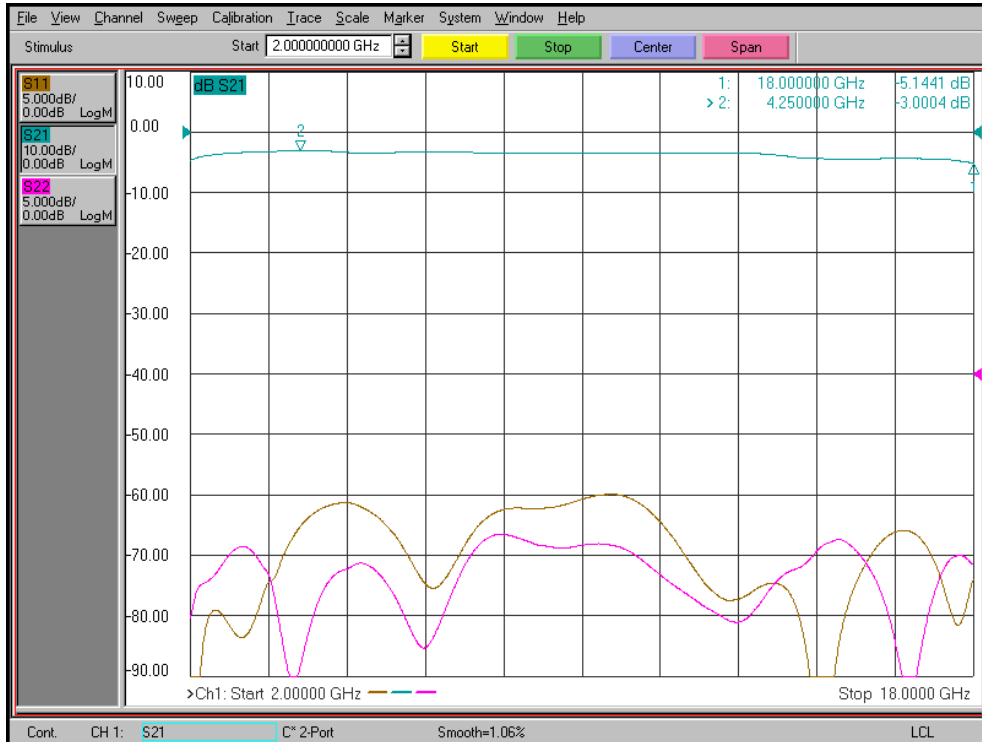


Insertion Loss and Return Loss (J0 – J2) & Isolation Typ.



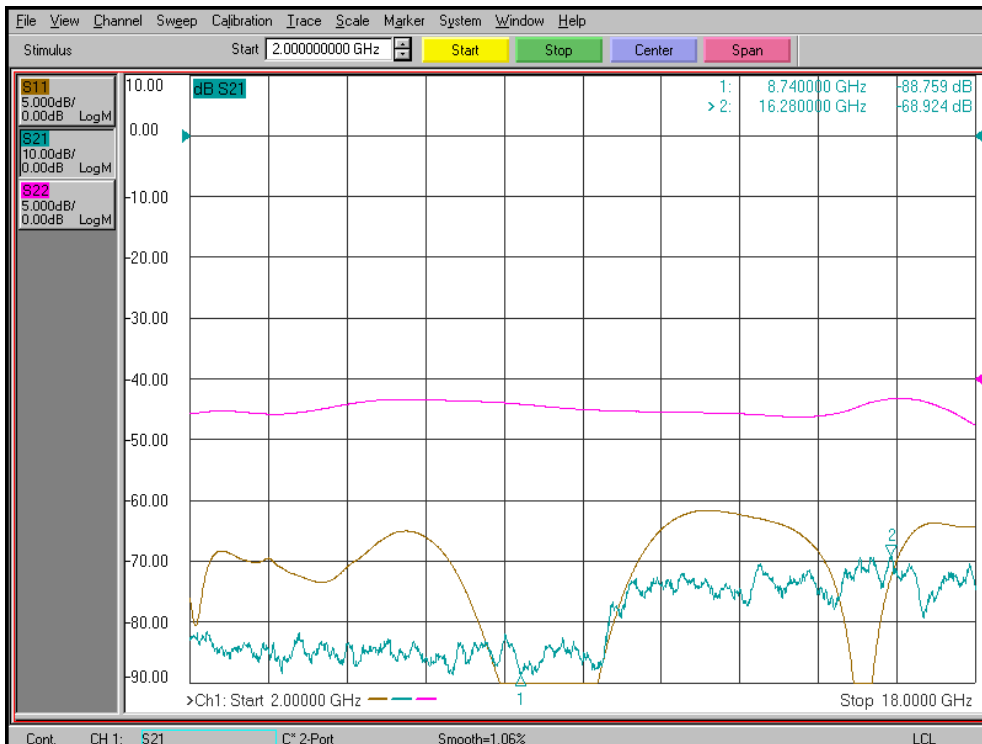
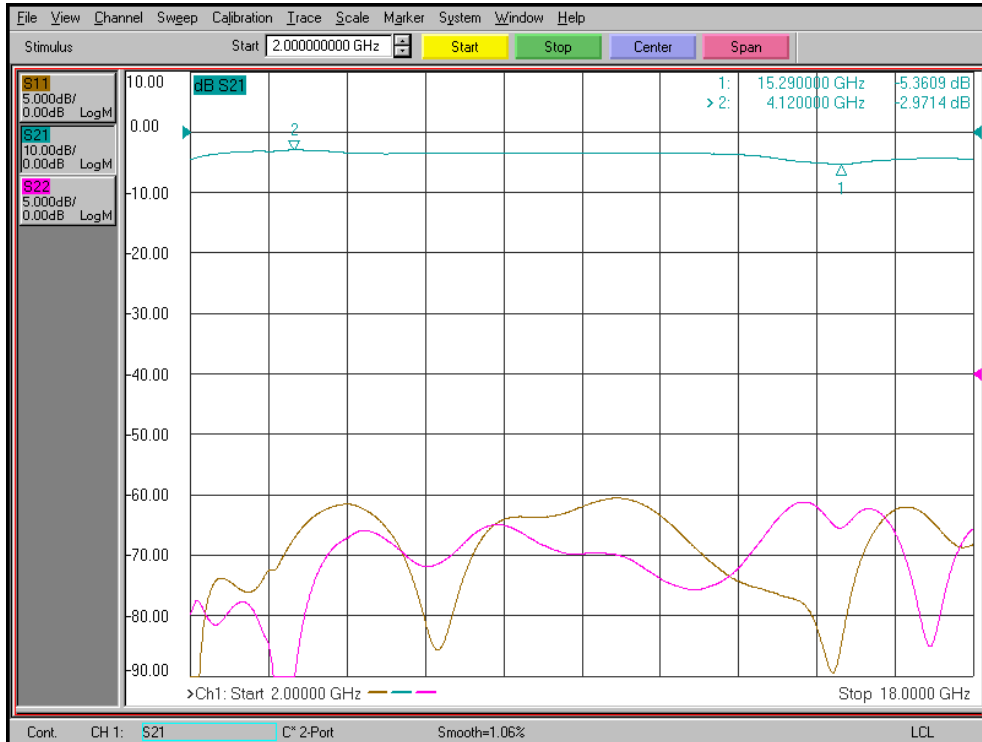


Insertion Loss and Return Loss (J0 – J3) & Isolation Typ.



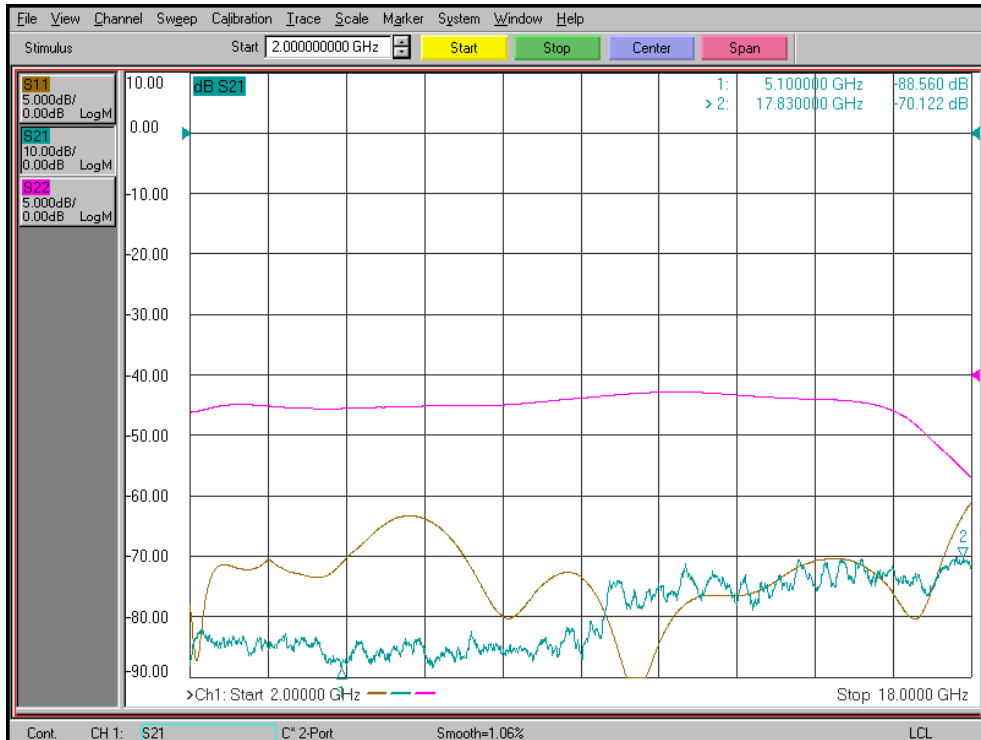
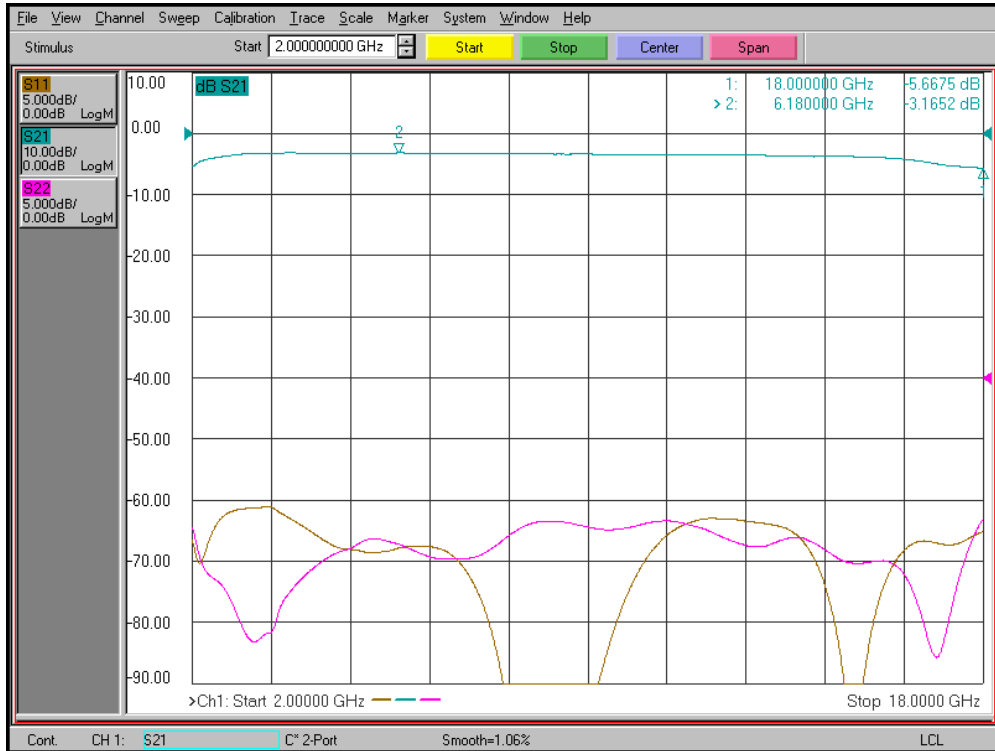


Insertion Loss and Return Loss (J0 – J4) & Isolation Typ.





Insertion Loss and Return Loss (J0 – J5) & Isolation Typ.





Insertion Loss and Return Loss (J0 – J6) & Isolation Typ.

