



Customer: _____ Tested By: S. PALACIO / LEE M.
Job No: _____ Temperature: +25°C
Model No: BPM-1G2G-1-SFF Date: 01/03/12
Serial No: PL10121/1205

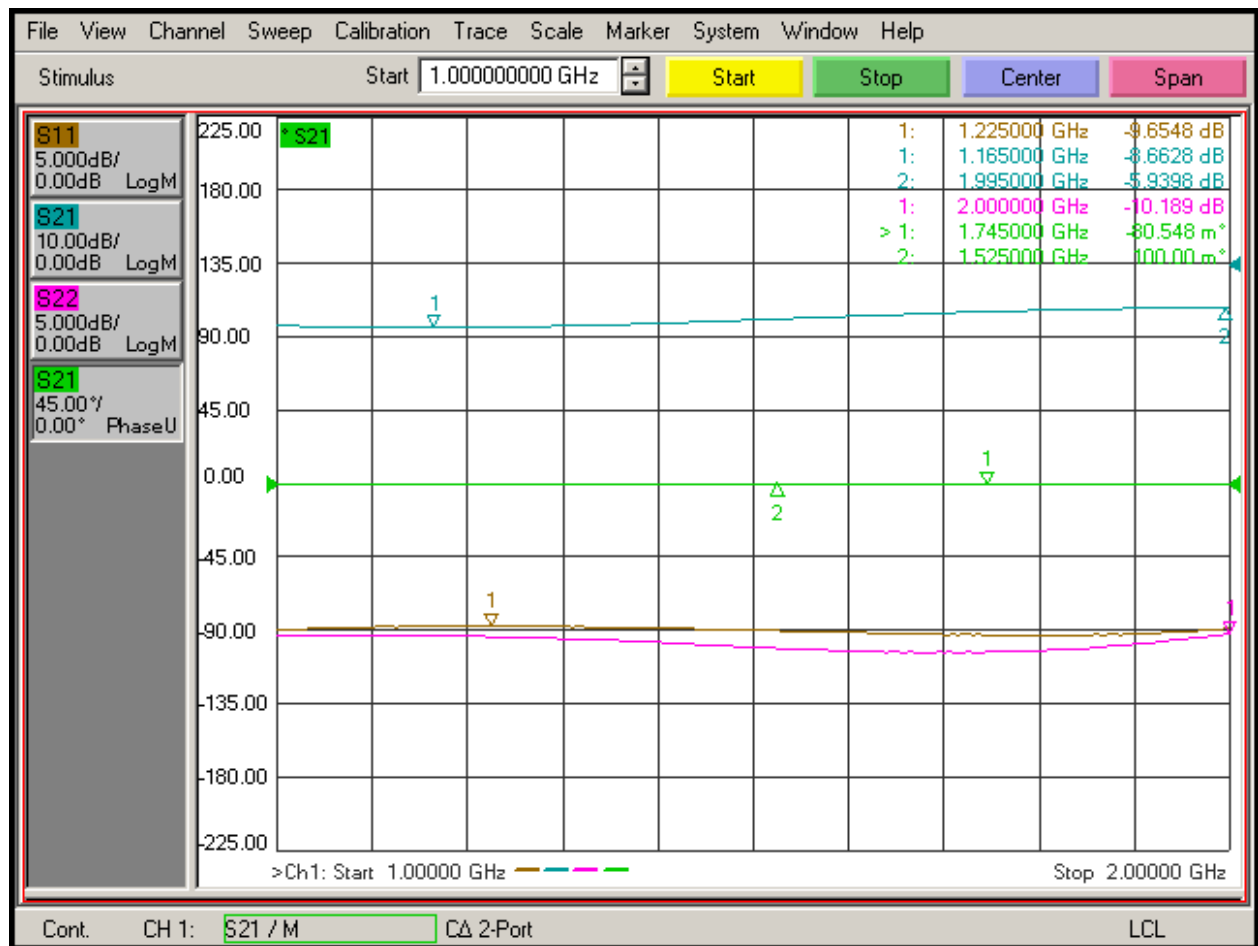
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	REMARKS QA/QC
1	Frequency Range:	1.0 GHz to 2.0 GHz	1.0 GHz to 2.0 GHz	
2	Insertion Loss	5 dB Typ. 8.8 dB Max.	PASS 8.73 dB	
3	VSWR	2.0:1 Max.	PASS 2.0:1 SEE PLOT	
4	Amplitude Balance	0.25 dB Typ. 0.75 dB Max.	PASS 0.3 dB	
5	Phase Balance:	$\pm 2^\circ$ Typ. $\pm 5^\circ$ Max.	PASS ± 1.61 deg. See Typical Characteristics	
6	Carrier Suppression	-30 dBc Typ.	-35 dBc See Typical Characteristics	
7	Switching Speed	5 ns Typ. (50% control to 90% RF)	8 ns See Typical Characteristics	
8	RF Input Power	-3 dBm Max.	PASS	
9	Power Supply	+5V @ 25 mA Typ.	PASS 22mA	
10	Data Signal	TTL Compatible	PASS	

QA/QC Approval: _____ Date: _____



Insertion Loss, Return Loss & Phase

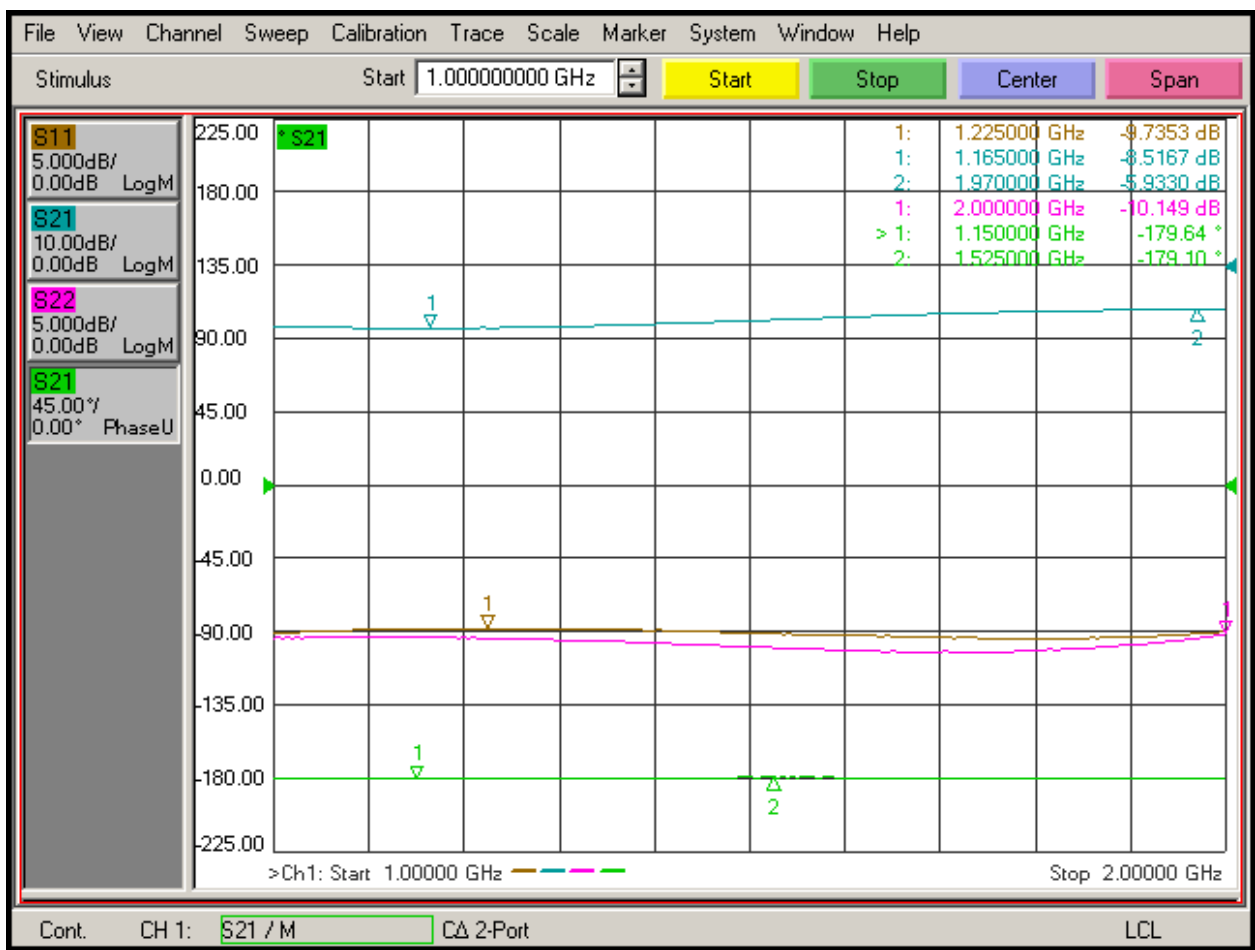
TTL 0





Insertion Loss, Return Loss & Phase

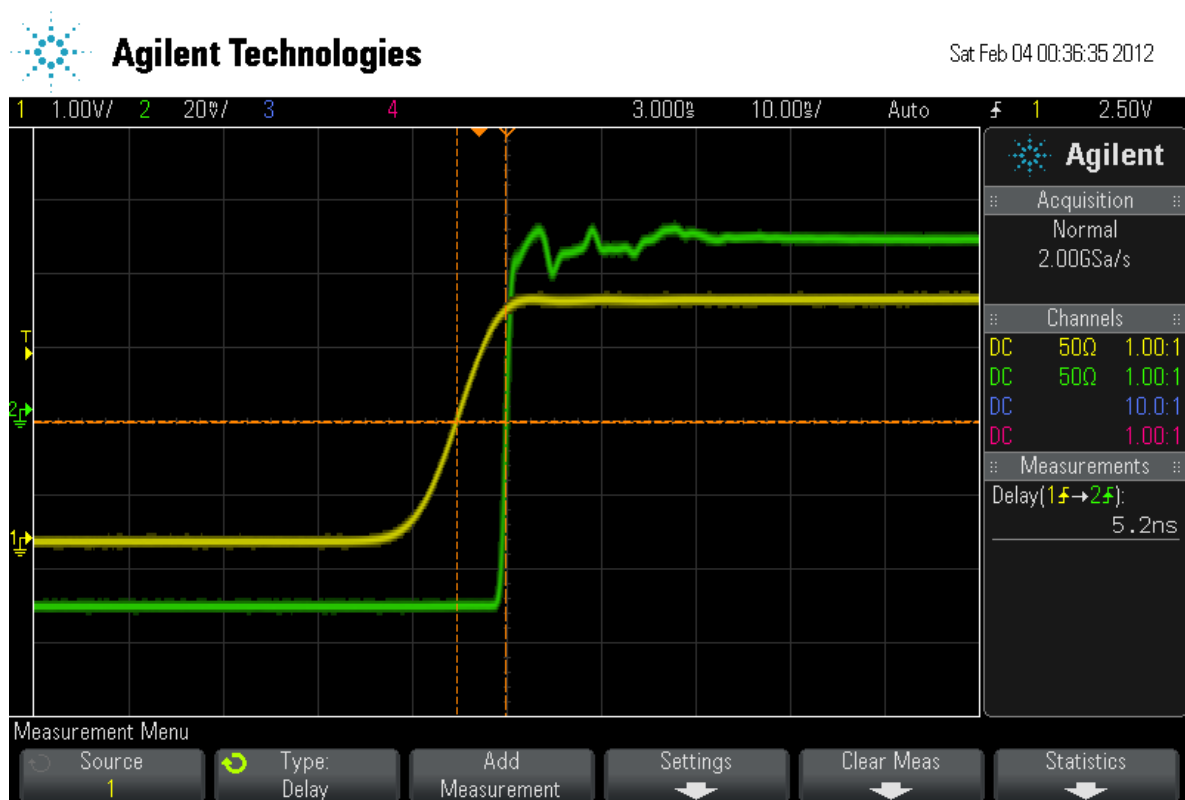
TTL 1





Switching Speed
Measured with mixer at 2 GHz
Input Power @ -5dBm

ON



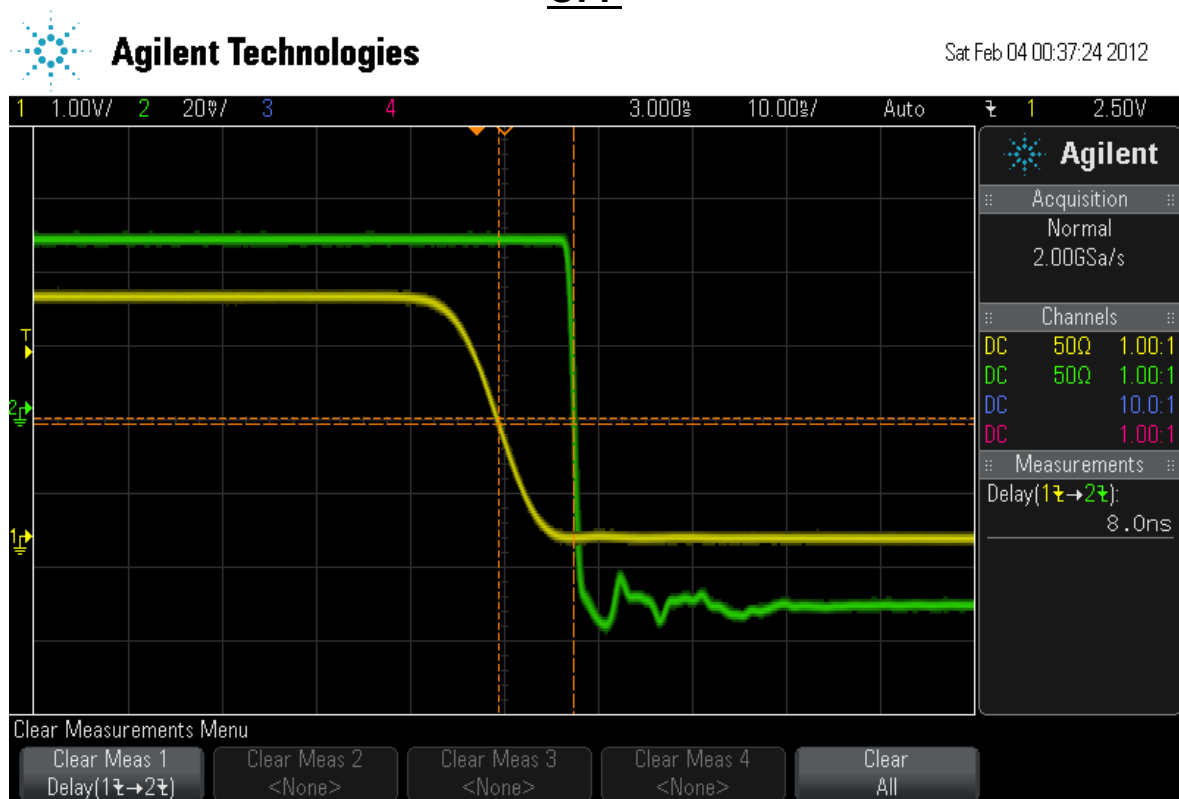
Channel 1 (Green): Mixer output

Channel 2 (Yellow): TTL Input from Signal Generator



Switching Speed
Measured with mixer at 2 GHz
Input Power @ -5dBm

OFF



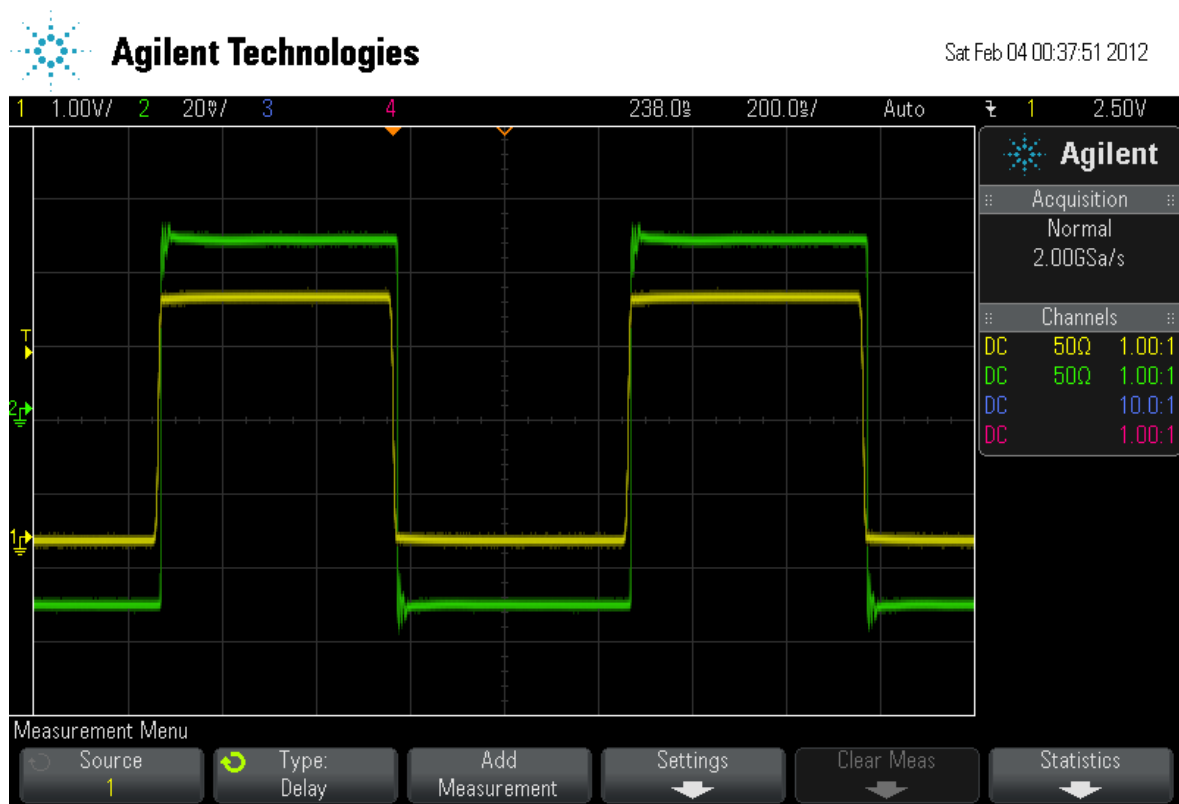
Channel 1 (Green): Mixer output

Channel 2 (Yellow): TTL Input from Signal Generator



Switching Speed
Measured with mixer at 2 GHz
Input Power @ -5dBm

Full Pulse



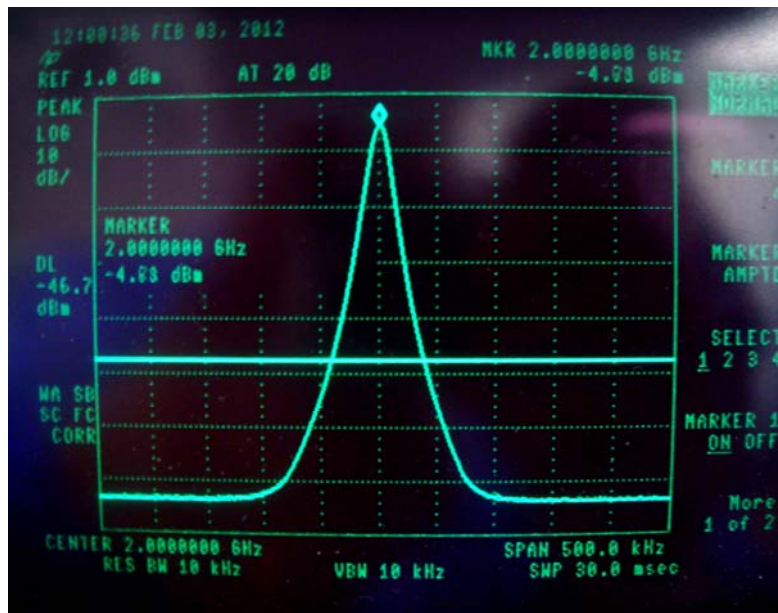


Channel 1 (Green): Mixer output

Channel 2 (Yellow): TTL Input from Signal Generator

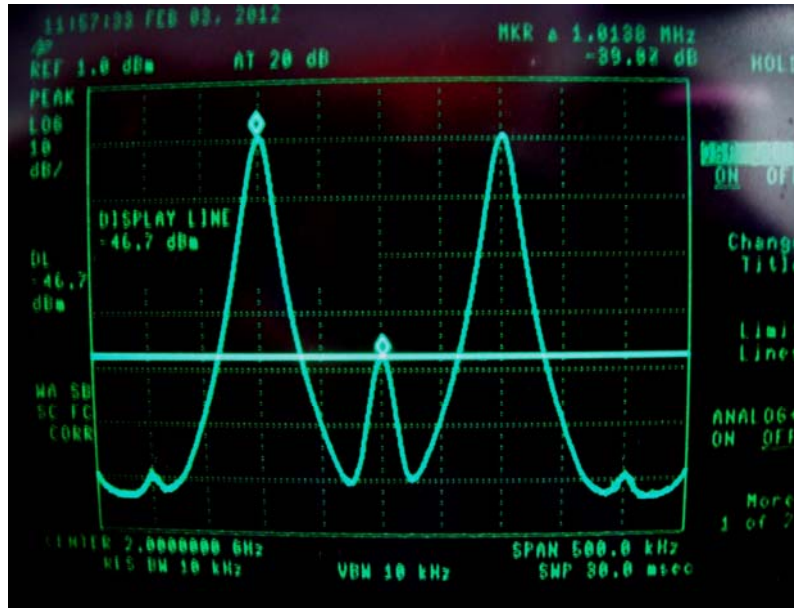
Carrier

0 Hz



Carrier Suppression

100 KHz



Carrier Suppression

1 MHz

