



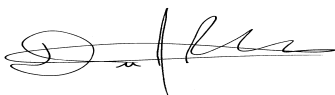
**SUMMARY TEST DATA
ON AMPLIFIER**

Customer :
 Job No :
 Model No : PHC-20-26-26DBM-15-SFF
 Serial No : PL960

Tested By : Kevin Mason
 Temperature : +25°C
 Date : 06/27/03

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range:	2 – 6 GHz	Pass	
2	Gain:	18dB Min. to 22dB Max.	Pass (See Plot)	
3	Gain Variation: J1 to J2	± 2.0 dB Max.	± 0.49dB	
4	Noise Figure:	7.5 dB Max.	Pass (See Plot)	
5	Output Power @ 1dB Gain Compression	+26dBm Min.	≥ +26dBm	
6	VSWR In/Out:	1.8:1 Max.	Pass (See Plots)	
7	2 ND Harmonic Rejection @ Pin=-4dBm:	-30dBc Min.	≥ -30dBc (See Plot)	
8	Reverse Isolation	45dB Min.	-56.5dB	
9	DC Power	925mA@+15 VDC	407mA	

Production Manager Approval:  Date: 06/27/03

QA/QC Approval:  Date: 06/27/03

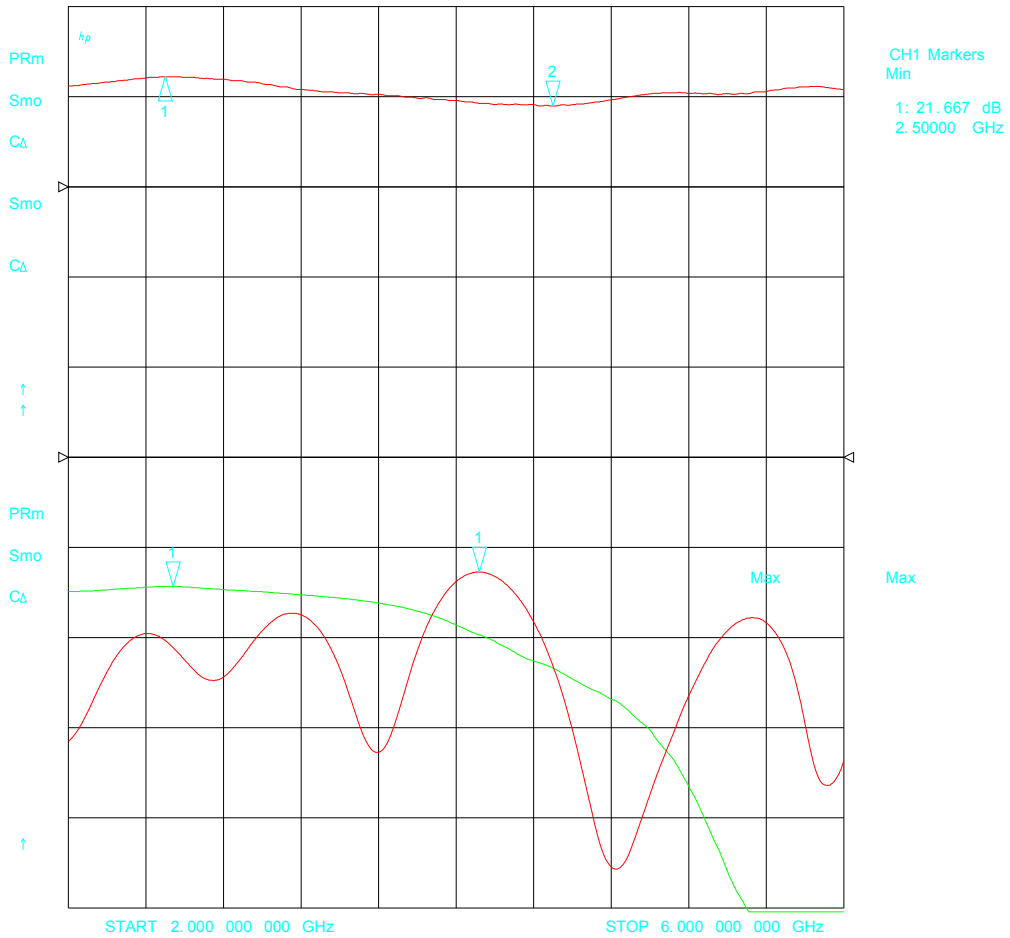
7311-G Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 email: sales@planarelec.com



VNA Plot – J1 to J2

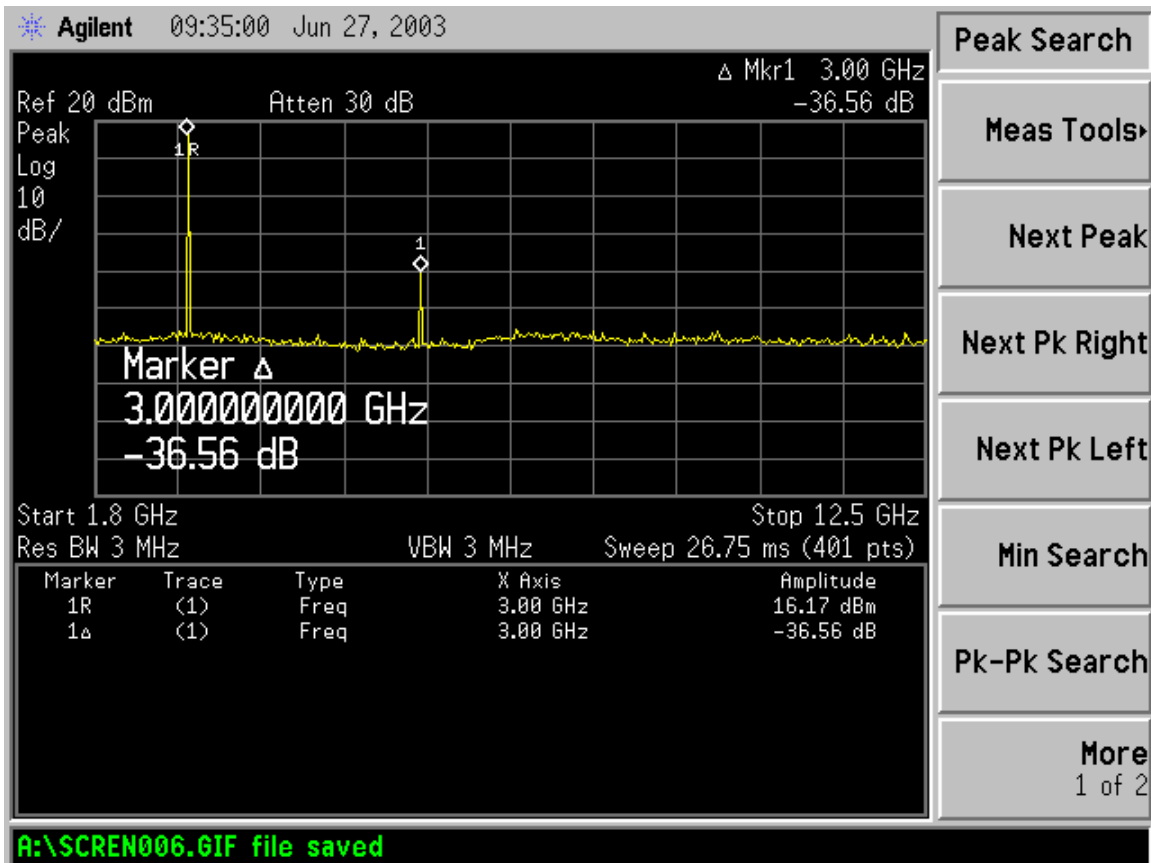
27 Jun 2003 12:57:46

CH1	S21	LOG	3 dB/	REF 18 dB	2: 20.685 dB	4.500 000 000 GHz
CH2	S11	LOG	5 dB/	REF -9.54 dB	1: -16.715 dB	2.540 000 000 GHz
CH3	S22	LOG	5 dB/	REF -9.54 dB	1: -15.918 dB	4.120 000 000 GHz



7311-G Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 email: sales@planarelec.com

Worst Case 2ND Harmonic Plot with Pin=-4dBm



Noise Figure Plot - J1 to J2

