



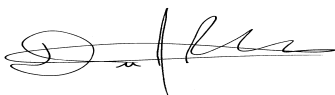
### SUMMARY TEST DATA ON AMPLIFIER

**Customer :**  
**Job No :**  
**Model No :** PHC-20-26-26DBM-15-SFF  
**Serial No :** PL956

**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.	± 0.74dB	
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 <sup>ND</sup> Harmonic Rejection @ Pin=-4dBm:	-30dBc Min.	≥ -30dBc (See Plot)	
8	Reverse Isolation	45dB Min.	-56.8dB	
9	DC Power	925mA@+15 VDC	362mA	

Production Manager Approval:  Date: 06/27/03

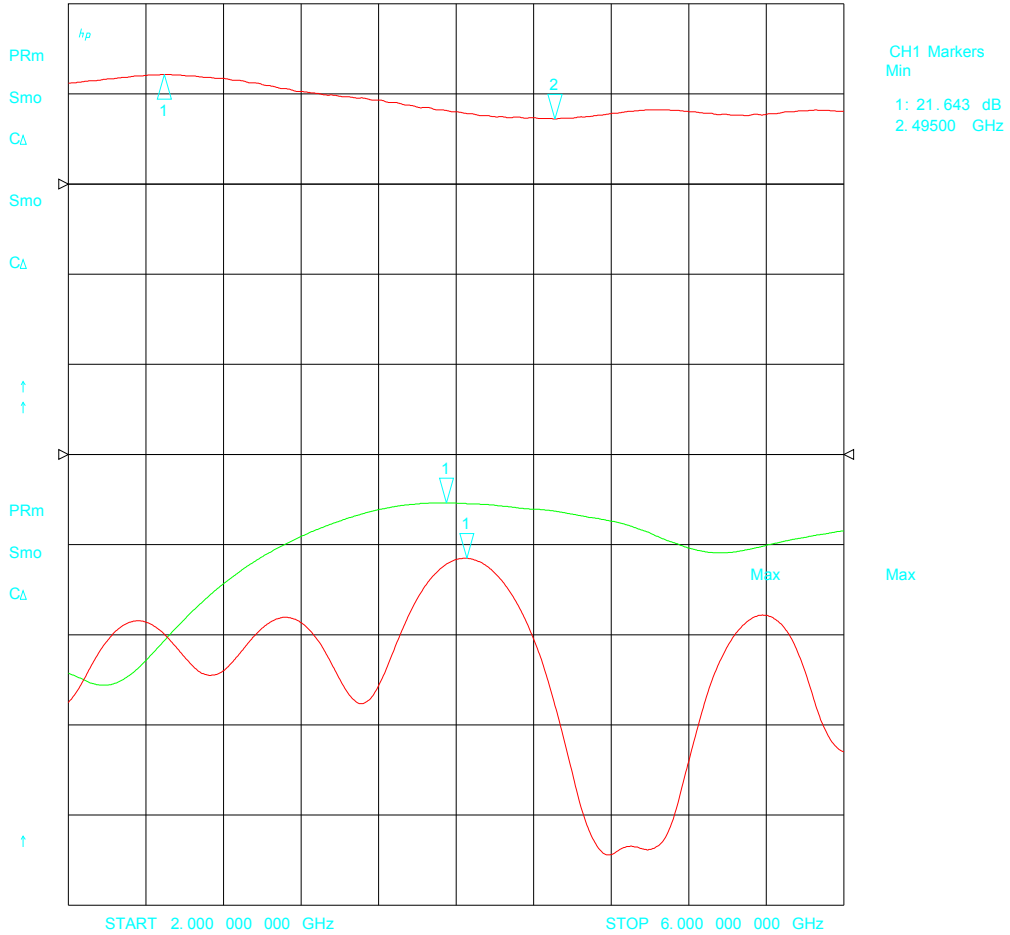
QA/QC Approval:  Date: 06/27/03

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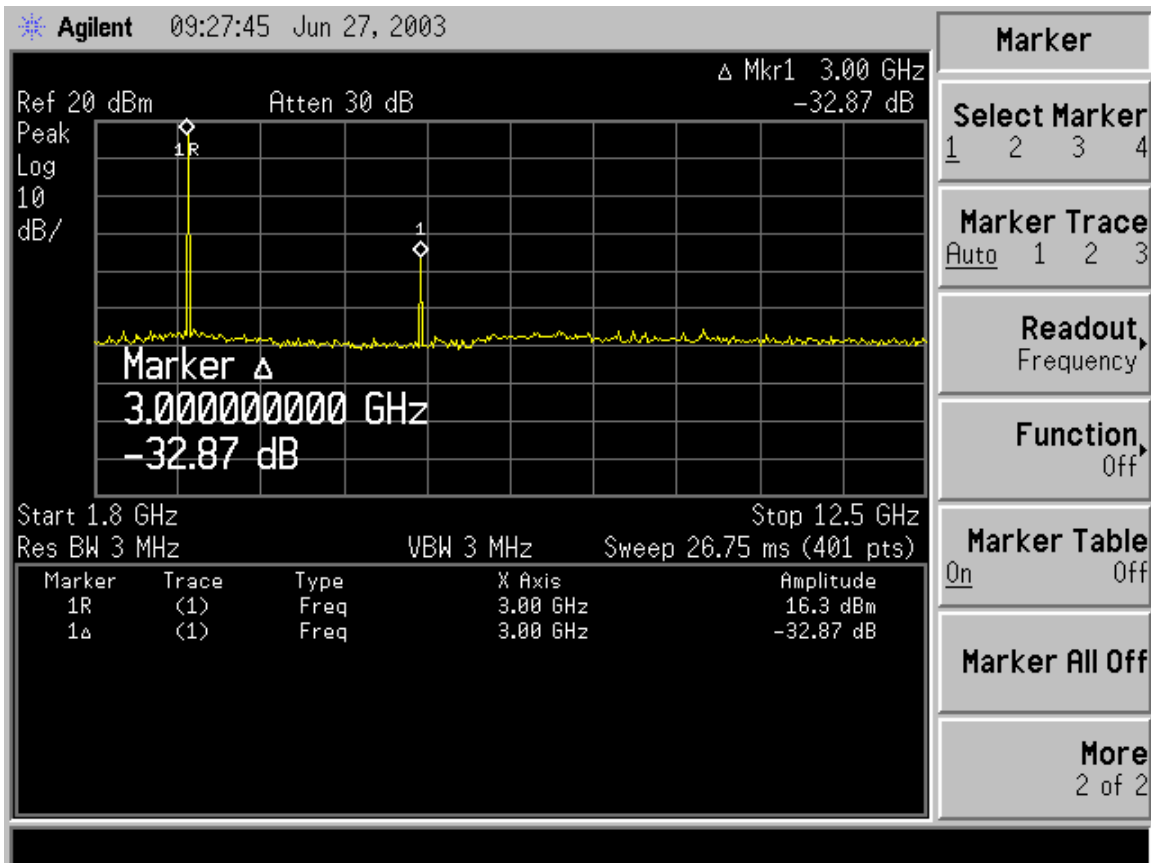
### VNA Plot – J1 to J2

27 Jun 2003 12:52:38

CH1	S21	LOG	3 dB/	REF 18 dB	2: 20.161 dB	4.510 000 000 GHz
CH2	S11	LOG	5 dB/	REF -9.54 dB	1: -12.225 dB	3.950 000 000 GHz
CH3	S22	LOG	5 dB/	REF -9.54 dB	1: -15.309 dB	4.055 000 000 GHz



### Worst Case 2<sup>ND</sup> Harmonic Plot with Pin=-4dBm



### Noise Figure Plot - J1 to J2

