



**SUMMARY TEST DATA
ON AMPLIFIER**

Customer :
 Job No :
 Model No : PEC-38-818-10-15-SFF
 Serial No : PL1148

Tested By : Kevin Mason
 Temperature : +25°C
 Date : 11/12/03

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range:	8 – 18 GHz	Pass	
2	Gain:	38dB +/- 2.5dB	Pass (See Plot)	
3	Gain Flatness:	± 1.5 dB Max.	± 1.01dB	
4	Noise Figure:	8.0 dB Max.	Pass (See Plot)	
5	Output Power @ 1dB Gain Compression	+10dBm Min.	≥ +10dBm	
6	Power Output Saturated	+19dBm Max.	Pass	
7	VSWR In/Out:	1.8:1 Max.	Pass (See Plot)	
8	DC Power	500mA@+15 VDC	112mA	
9	Operating Temp. Range	-15 to +85 Deg. C	Pass	

Production Manager Approval:  Date: 11/12/03

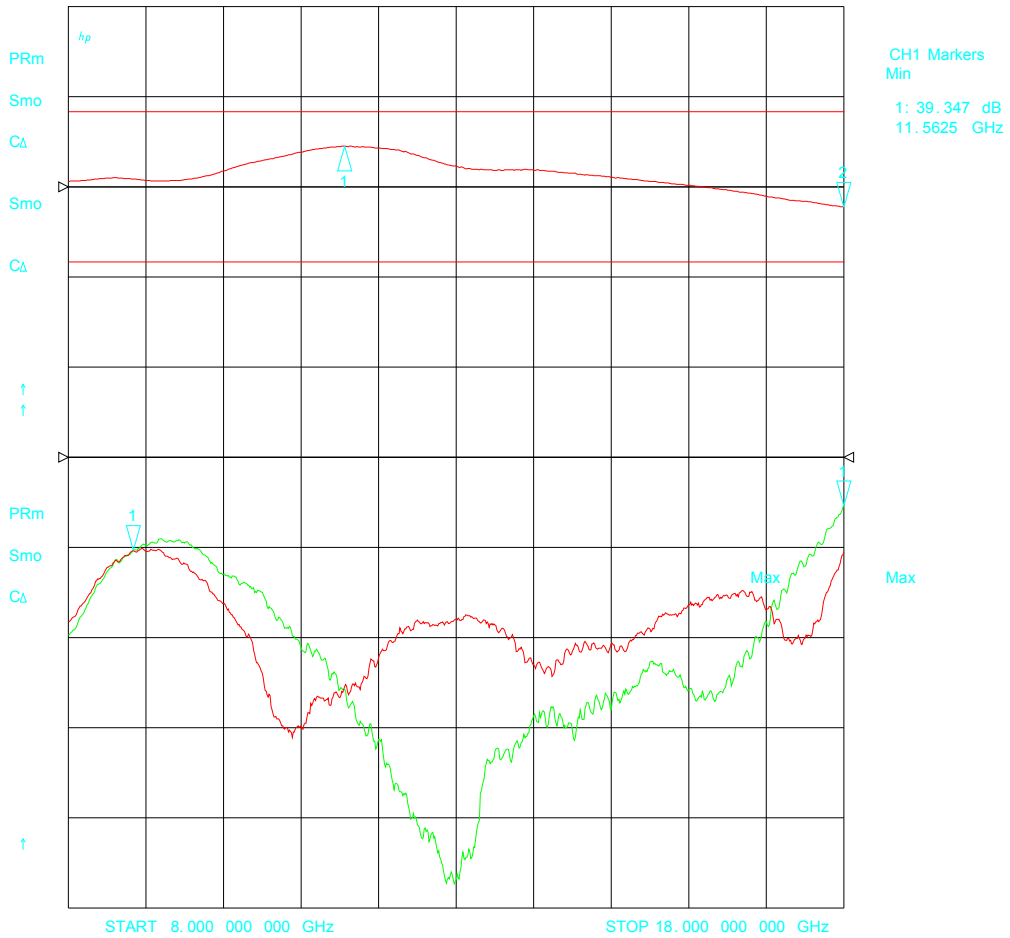
QA/QC Approval:  Date: 11/12/03

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VNA Plot – J1 to J2

12 Nov 2003 11:52:14

CH1	S21	LOG	3 dB/	REF 38 dB	2: 37.322 dB	18.000 000 000 GHz
CH2	S11	LOG	5 dB/	REF -10.88 dB	1: -13.565 dB	18.000 000 000 GHz
CH3	S22	LOG	5 dB/	REF -10.88 dB	1: -16.037 dB	8.837 500 000 GHz



Noise Figure Plot - J1 to J2

