



SUMMARY TEST DATA ON SAMPLE AMPLIFIER

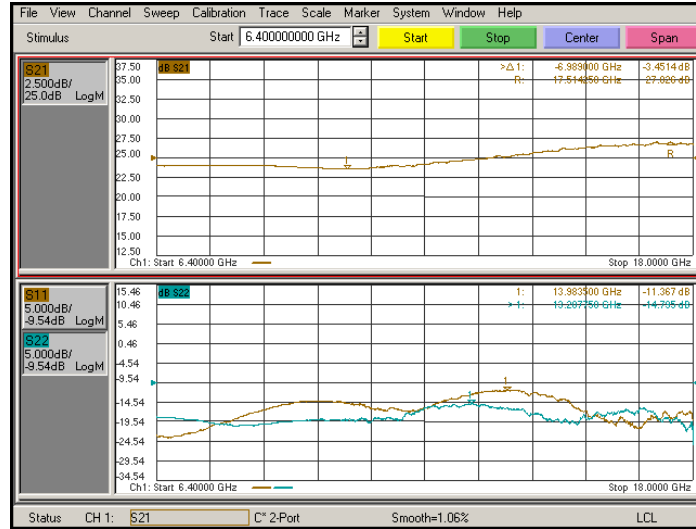
Customer :
Job No :
Model No : PE2-28-6R418-4R0-15-9-SFF
Serial No : PL3165

Tested By : Kevin Mason
Temperature : +25°C
Date : 4/4/07

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range:	6.4-18.0 GHz	Pass	
2	Gain:	+26dB Typ.	Pass (See Plot)	
3	Gain Flatness:	±1.25dB Typ.	±1.72dB	
4	Psat:	+13dBm Typ.	See Following Table	
5	In-Band Harmonic Rejection:	-14dBc Typ.	See Following Table	
6	VSWR:	Input : 2.0:1 Output: 2.0:1 (Max.)	Pass (See Plot)	
7	Noise Figure:	5.75dB Max.	Pass	
8	DC Supply:	250mA@ +9VDC Max.	140mA	
9	Input Power:	+20dBm CW Max.	Pass	

5715 Industry Lane, Unit 11, Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
 email: sales@planarelec.com

S-Parameter Plot



Saturated Output Power Measurements:

Pin = -26dBm

Frequency (GHz)	6.4	10.0	12.0	18.0
Power (dBm)	-3.4	-3.96	-3.98	-1.73

Pin = -5dBm

Frequency (GHz)	6.4	10.0	12.0	18.0
Power (dBm)	11.15	11.10	12.01	10.21

Pin = +6dBm

Frequency (GHz)	6.4	10.0	12.0	18.0
Power (dBm)	11.47	11.01	11.89	9.95