



**SUMMARY TEST DATA ON SAMPLE AMPLIFIER**

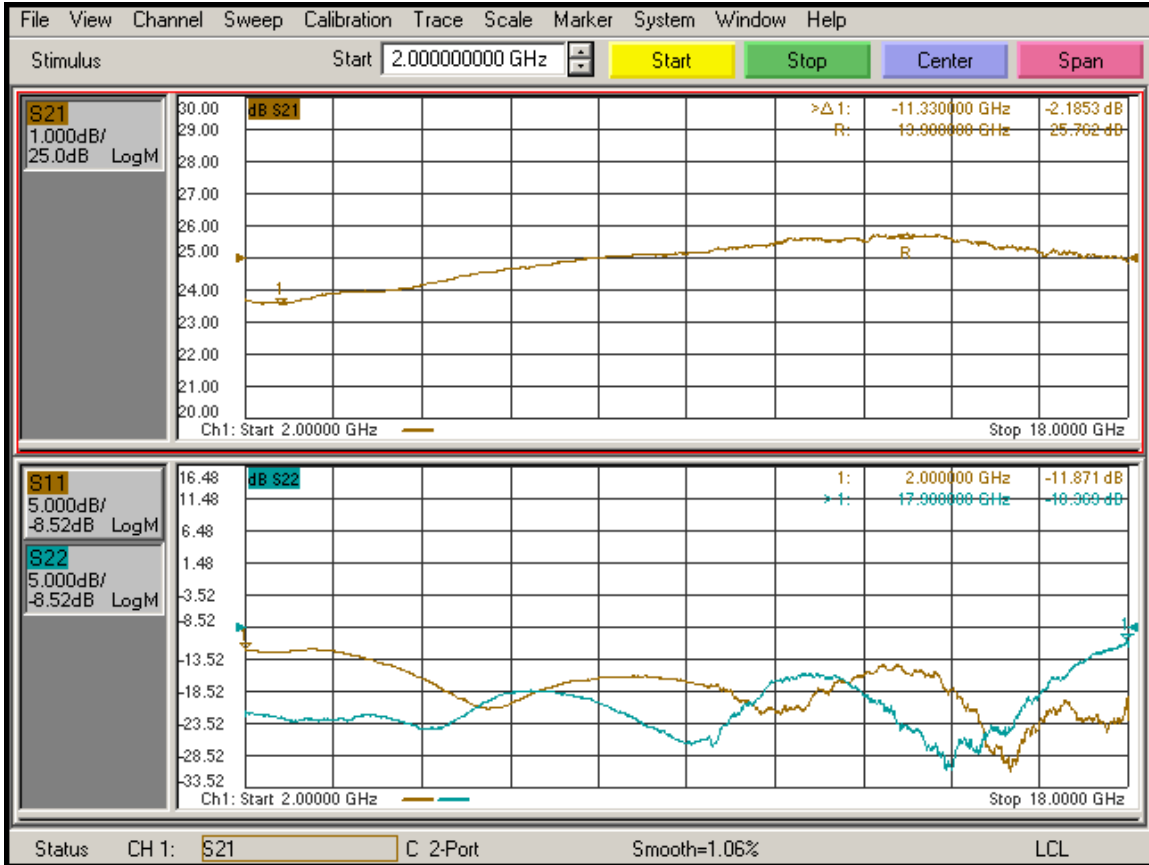
**Customer :**  
**Job No :**  
**Model No : PE2-28-6R418-4R0-15-9-SFF**  
**Serial No : PL3363**

**Tested By : Kevin Mason**  
**Temperature : +25°C**  
**Date : 6/27/07**

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.	±1.09dB	
4	Psat:	+13dBm Typ.	See Following Table	
5	In-Band Harmonic Rejection:	-14dBc Typ.	Pass	
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.	110mA	
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](mailto:sales@planarelec.com)

### S-Parameter Plot



#### Saturated Output Power Measurements:

Pin = -25dBm

Frequency (GHz)	6.4	10.0	12.0	16.0	18.0
Power (dBm)	-0.7	-0.3	-0.3	-0.8	-1.7

Pin = -5dBm

Frequency (GHz)	6.4	10.0	12.0	16.0	18.0
Power (dBm)	9.5	9.5	11	9.3	7.3

Pin = +4dBm

Frequency (GHz)	6.4	10.0	12.0	16.0	18.0
Power (dBm)	10.7	9.9	11.7	9.6	7.8