



**SUMMARY TEST DATA ON SAMPLE AMPLIFIER**

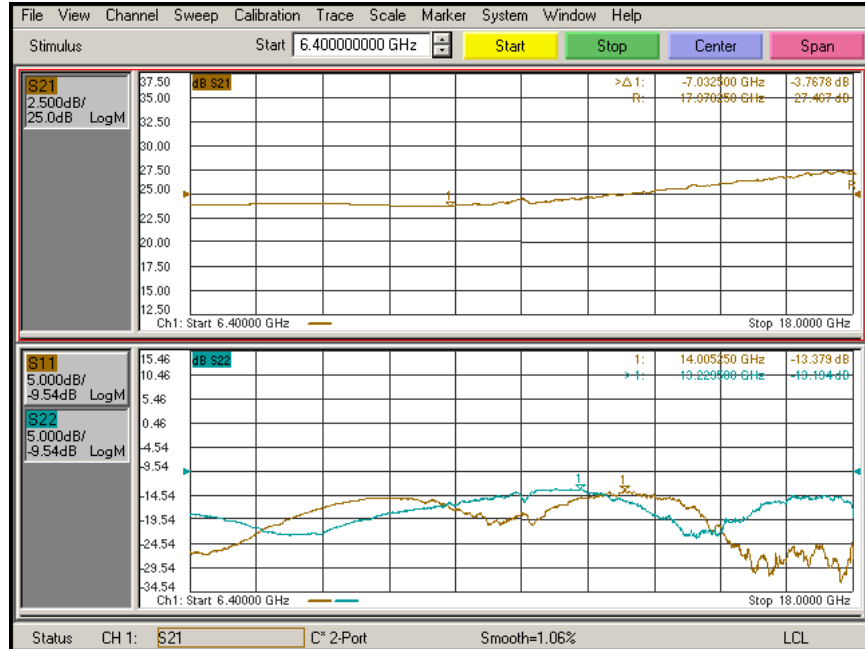
**Customer :**  
**Job No :**  
**Model No : PE2-28-6R418-4R0-15-9-SFF**  
**Serial No : PL3166**

**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.	±1.88dB	
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.	133mA	
9	Input Power:	+20dBm CW Max.	Pass	

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### S-Parameter Plot



#### Saturated Output Power Measurements:

**Pin = -26dBm**

Frequency (GHz)	6.4	10.0	12.0	18.0
Power (dBm)	-2.66	-2.91	-2.96	-0.21

**Pin = -5dBm**

Frequency (GHz)	6.4	10.0	12.0	18.0
Power (dBm)	10.96	10.27	11.26	10.41

**Pin = +6dBm**

Frequency (GHz)	6.4	10.0	12.0	18.0
Power (dBm)	11.92	10.93	12.17	9.91