



**SUMMARY TEST DATA ON SAMPLE AMPLIFIER**

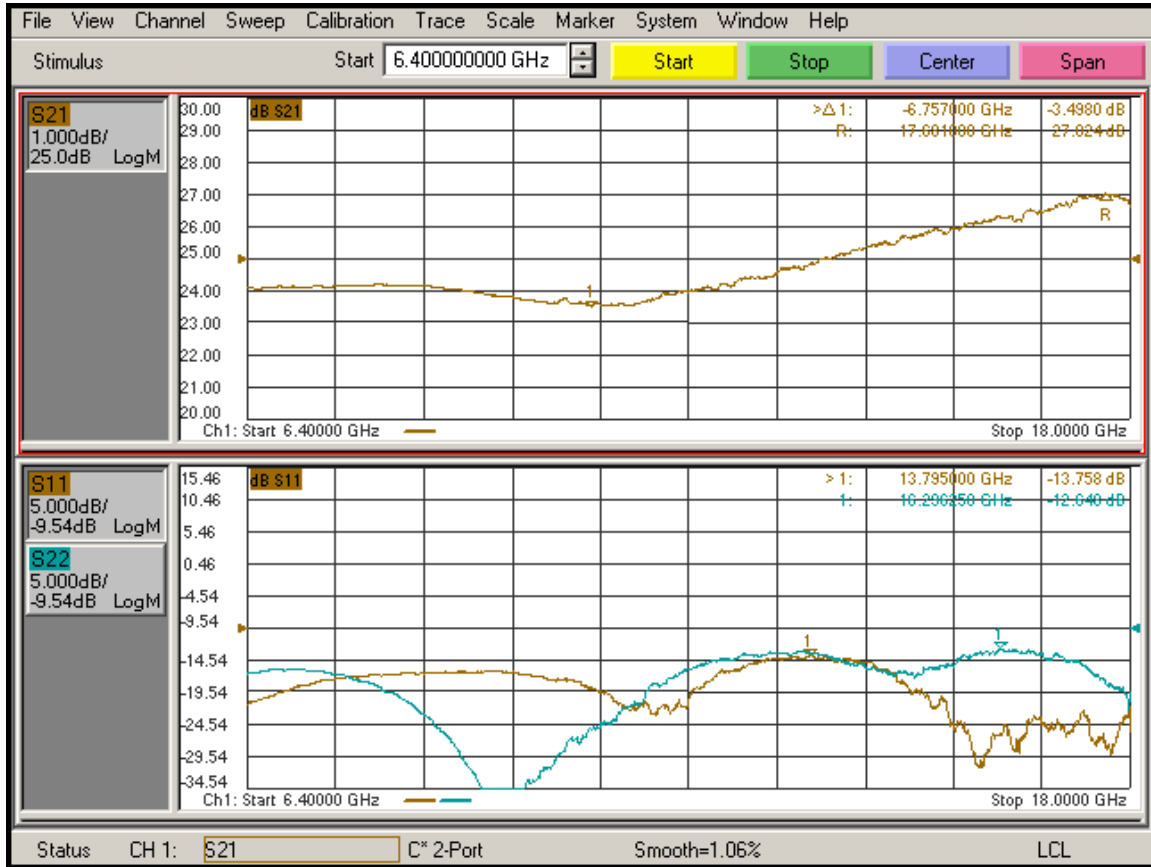
**Customer :**  
**Job No :**  
**Model No : PE2-28-6R418-4R0-15-9-SFF**  
**Serial No : PL3698**

**Tested By : Kevin Mason**  
**Temperature : +25°C**  
**Date : 10/31/07**

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.	Pass	
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.	Pass	
9	Input Power:	+20dBm CW Max.	Pass	

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### S-Parameter Plot



#### Saturated Output Power Measurements:

##### Pin = -25dBm

Frequency (GHz)	6.4	10.0	12.0	16.0	18.0
Spec Range	-3.2 to -0.2	-2.8 to 0.2	-3.0 to 0	-2.0 to 1.0	-2.0 to 1.0
Power (dBm)	-1.1	-1.5	-1.6	.2	.6

##### Pin = -5dBm

Frequency (GHz)	6.4	10.0	12.0	16.0	18.0
Spec Range	8.8 to 10.8	8.2 to 10.2	9.6 to 11.6	8.8 to 10.8	7.0 to 9.0
Power (dBm)	9.5	10.2	11.2	10.8	9.0

##### Pin = +4dBm

Frequency (GHz)	6.4	10.0	12.0	16.0	18.0
Spec Range	9.9 to 11.9	8.7 to 10.7	10.3 to 12.3	9.0 to 11.0	7.7 to 9.7
Power (dBm)	11.3	10.6	11.7	11.0	9.6