



**SUMMARY TEST DATA  
ON  
AMPLIFIER**

Job No : PE601001  
 Model No : PEC-3412-618-9-15-SFF-TTLVG  
 Serial No : PL2342/0619

Tested By : Kevin Mason  
 Temperature : +25°C  
 Date : 05/15/06

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency Range:	6.0 – 18.0 GHz	Pass	
2	Gain w/o Pad With Pad	34.0 dB Min. 12.0 dB Min.	Pass	
3	Flatness:	±2.5 dB Max.	± 1.09 dB	
4	Noise Figure w/o Pad With 22dB Pad	8.0 dB Max. 20.0 dB Max.	Pass (See plots)	
5	Pout @ 1dB Compression: w/o or with Pad	+9 dBm Min.	Pass	
6	Max. Saturated Output Power	+19 dBm. Max.	Pass	
7	VSWR:	Input : 2.2:1 Output: 2.0:1 (Max.)	Pass (See plot)	
8	Max. Input Power w/o Damage	+20 dBm CW	Pass	
9	DC Supply:	330mA @ +15V typ. 60mA @ -15V typ.  TTL Current ≤ 2.5mA	275mA @ +15V 0mA @ +15V  Pass	

Production Manager Approval:  Date: 05/15/06

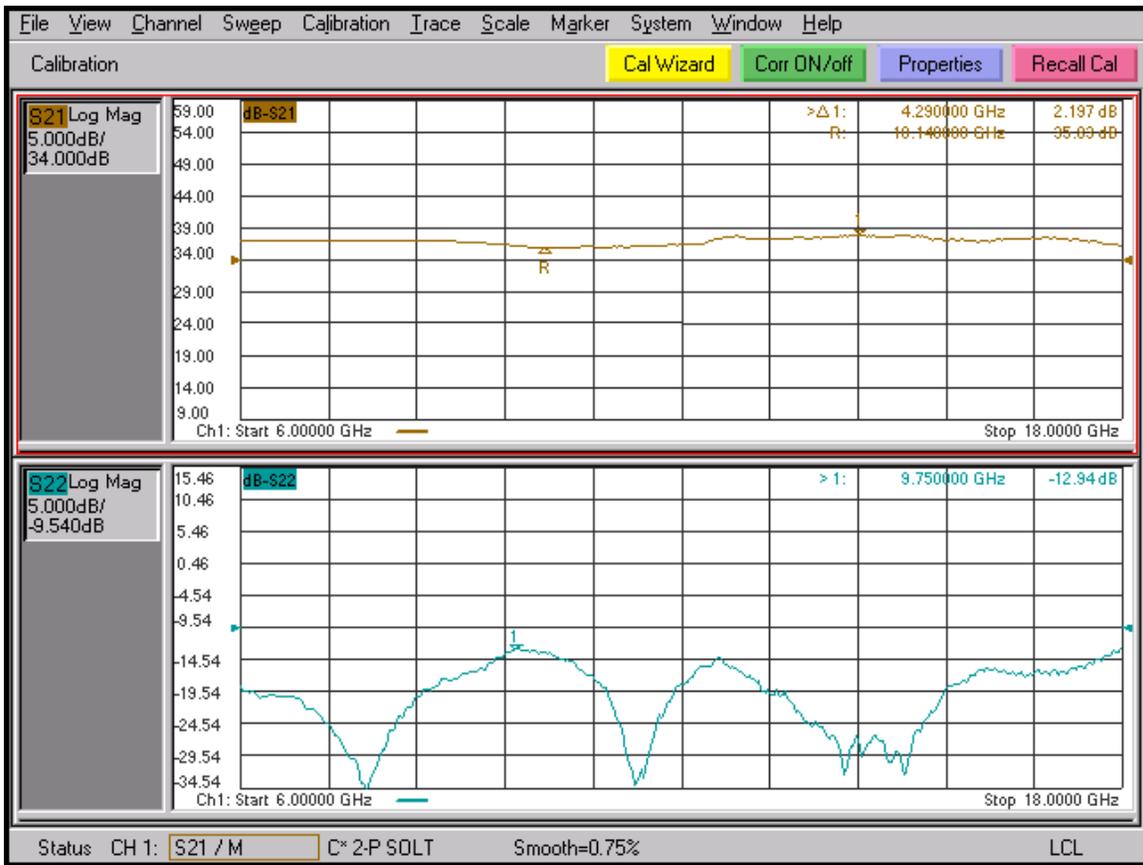
QA/QC Approval:  Date: 05/15/06

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### Swept Plot (S21 and S22)

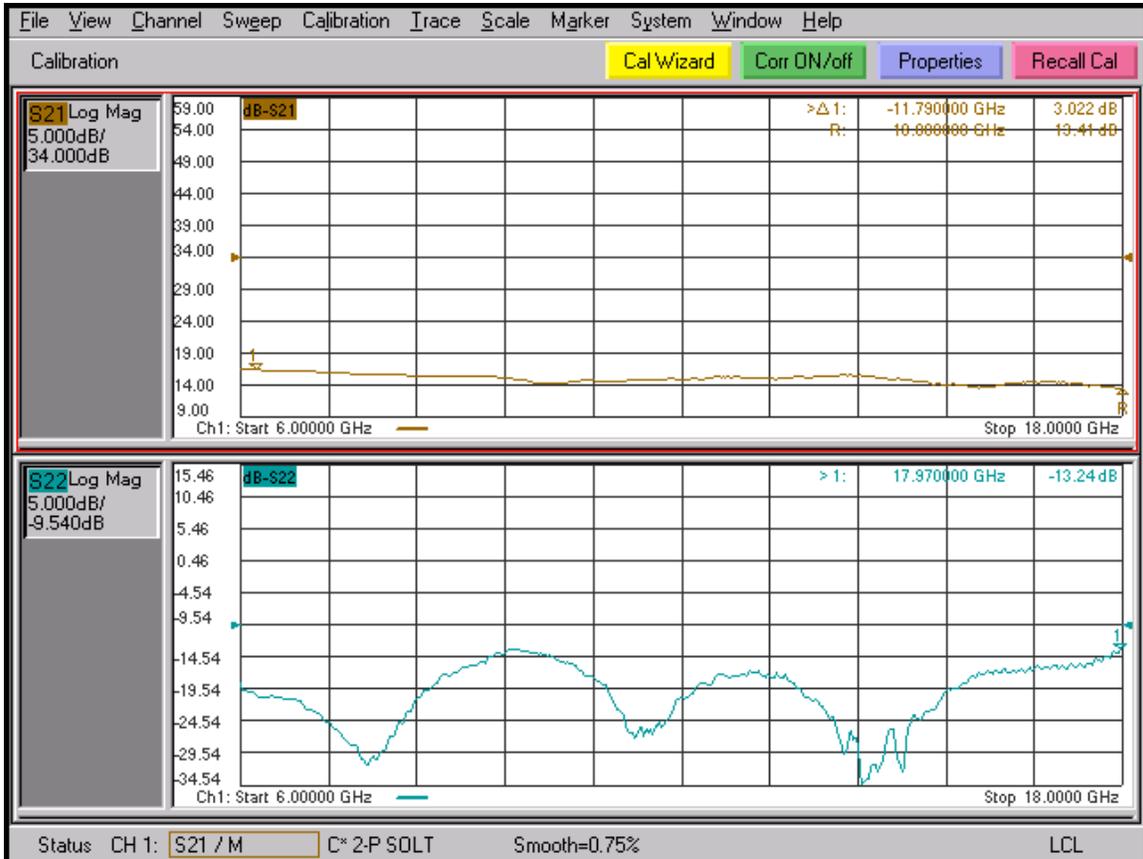
Without Pad – “TTL” = 0





### Swept Plot (S21 and S22)

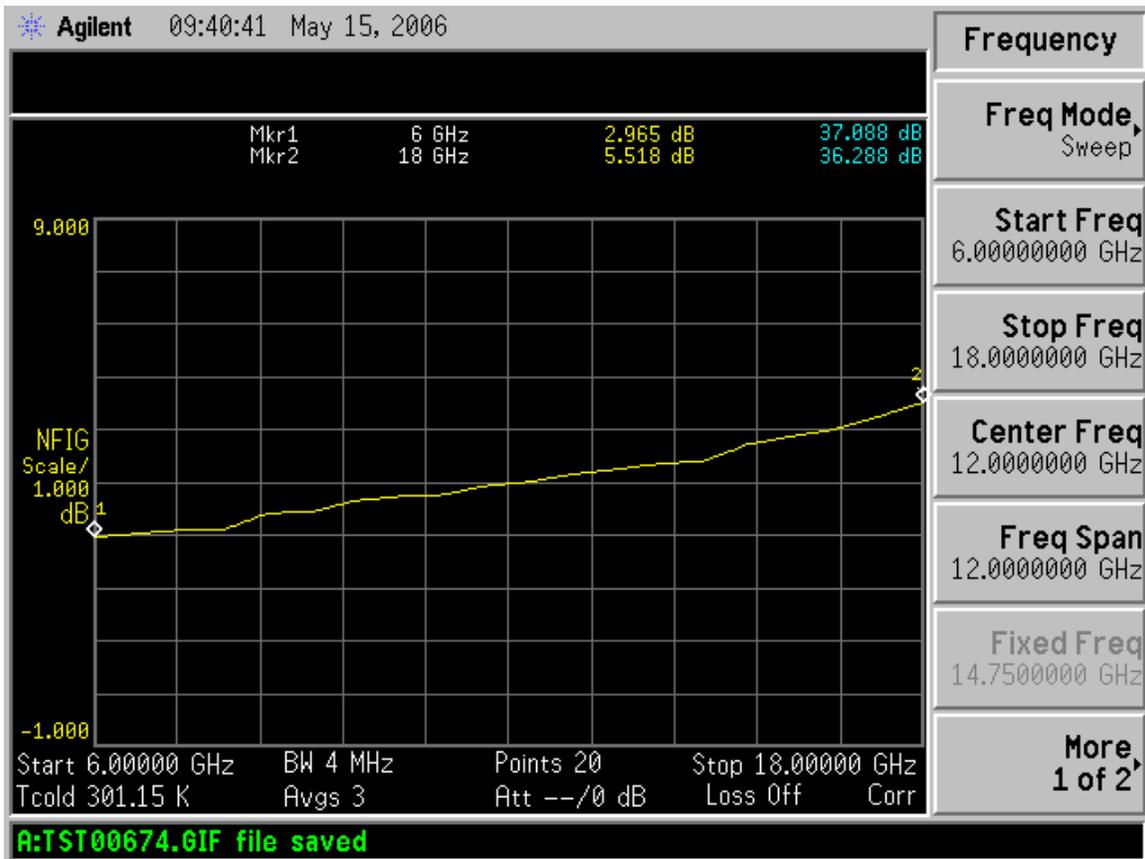
With 22dB Pad – “TTL” = 1



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Swept Plot, S11

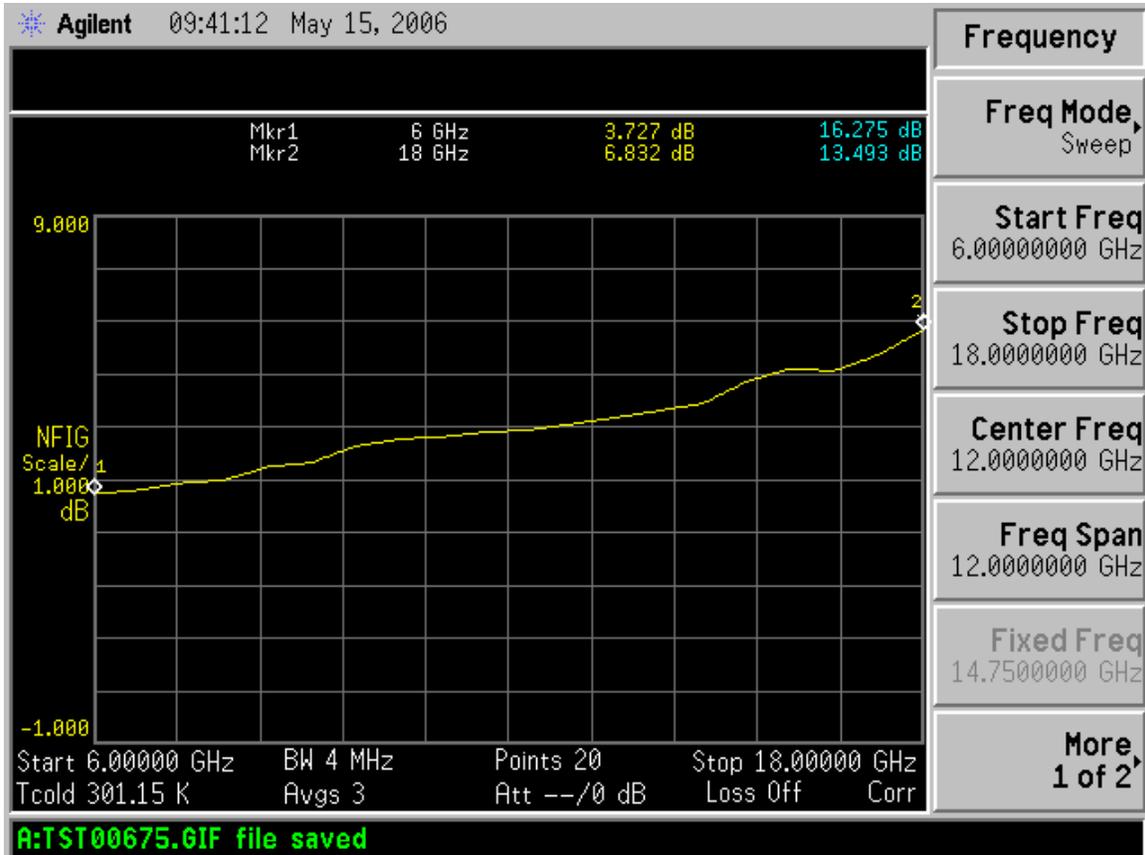


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### Noise Figure Plot

Without Pad – “TTL” = 0





### Noise Figure Plot

With 22dB Pad – “TTL” = 1

