



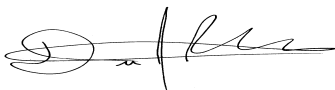
**SUMMARY TEST DATA
ON AMPLIFIER**

Customer :
 Job No :
 Model No : PM2-0R0118-15-10-SFF
 Serial No : PL1098

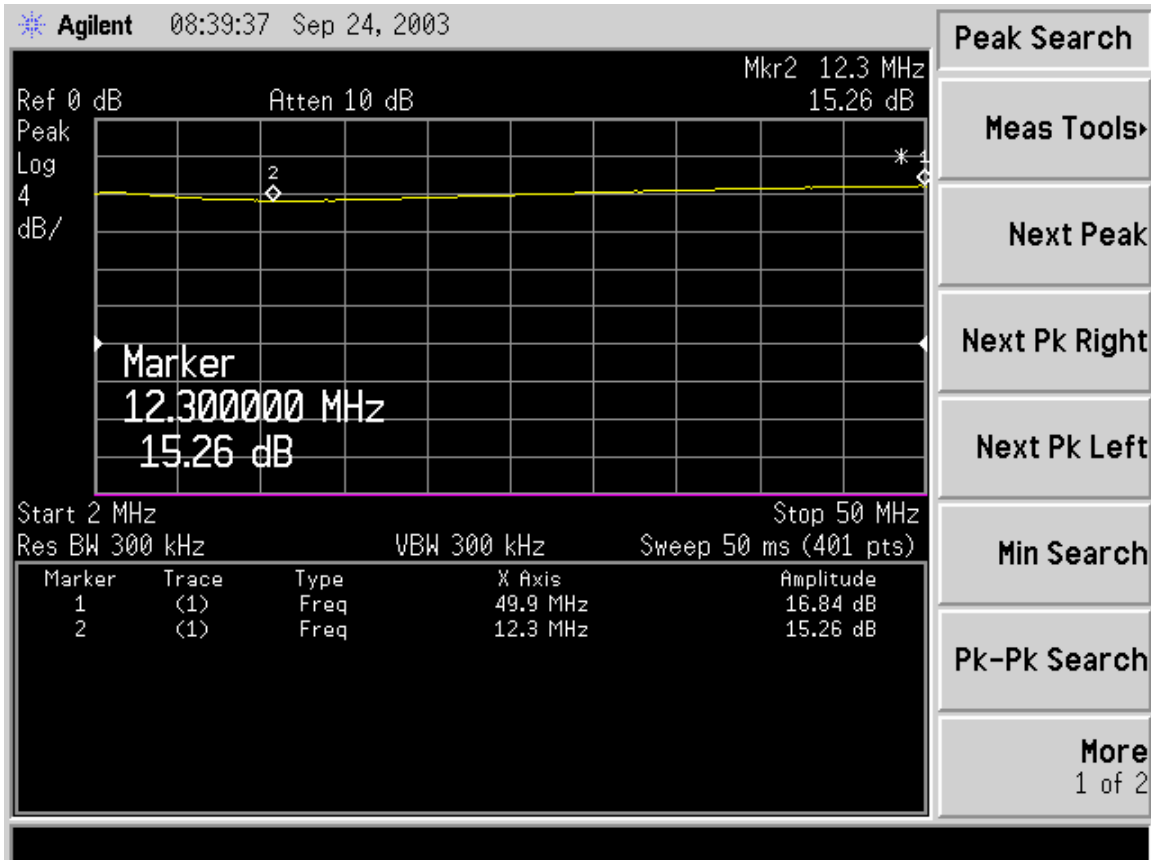
Tested By : Kevin Mason
 Temperature : +25°C
 Date : 09/24/03

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | MEASURED VALUE | REMARKS QA/QC |
|---------------|--|----------------------|--------------------|---------------|
| 1 | Frequency Range: | 2 MHz - 18 GHz | Pass (See Plot) | |
| 2 | Gain Window: | 13 to 18dB | Pass (See Plot) | |
| 3 | Flatness: | ±2.0 dB Max | ±1.35 dB | |
| 4 | Noise Figure: 10-500 MHz 500MHz to 18GHz | 9dB Max 7.5dB Max | Pass (See Plot) | |
| 5 | Pout @ 1dB Compression: | +16 dBm Min | ≥ +16 dBm | |
| 6 | VSWR In/Out: | 2.0:1 Max | Pass (See Plot) | |
| 7 | DC Supply: | 250mA @ +15V Typ. | 255mA @ +15V | |

Production Manager Approval:  Date: 09/24/03

QA/QC Approval:  Date: 09/24/03

S-Parameter Plot (2 to 50MHz)

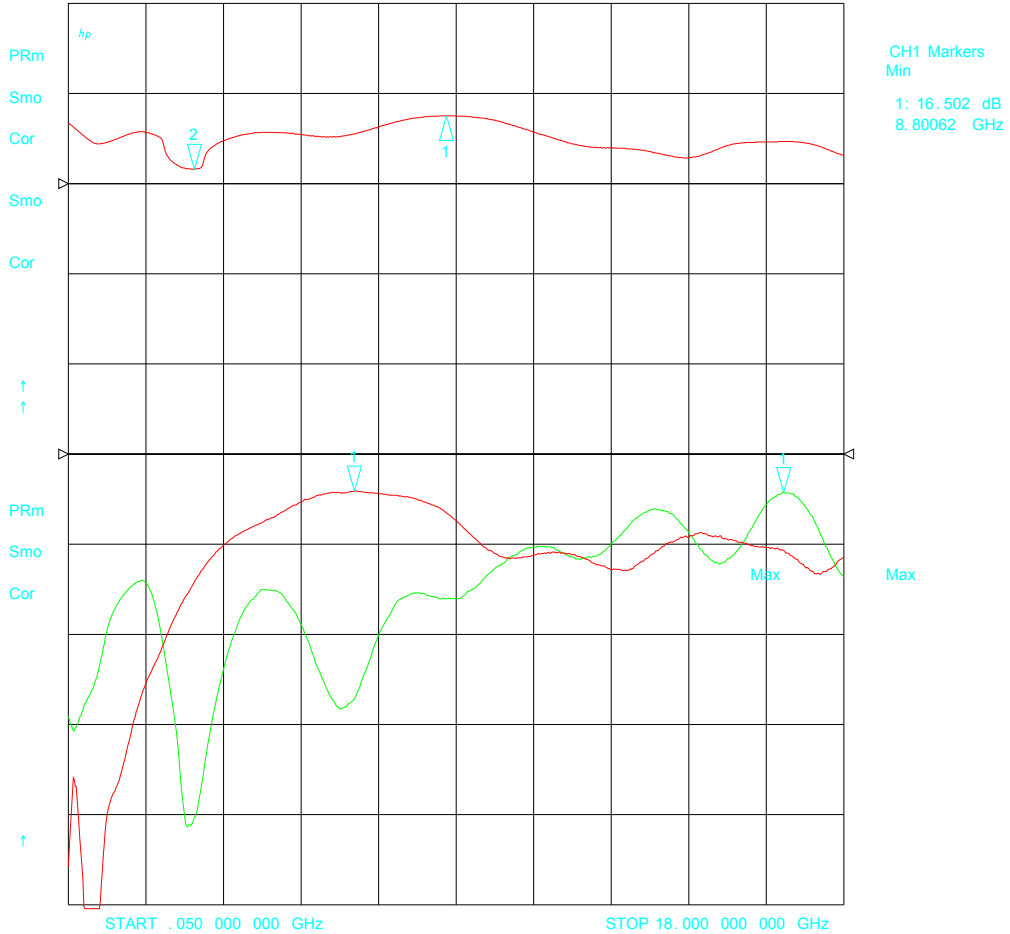




VNA Plot (50 MHz to 18 GHz)

24 Sep 2003 08:53:55

| | | | | | | |
|-----|-----|-----|-------|--------------|--------------|--------------------|
| CH1 | S21 | LOG | 4 dB/ | REF 13.5 dB | 2: 14.144 dB | 2.966 875 000 GHz |
| CH2 | S11 | LOG | 5 dB/ | REF -9.54 dB | 1:-11.681 dB | 16.608 875 000 GHz |
| CH3 | S22 | LOG | 5 dB/ | REF -9.54 dB | 1:-11.597 dB | 6.669 062 500 GHz |



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Noise Figure Plot

