



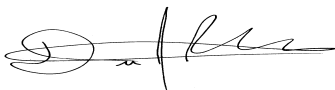
**SUMMARY TEST DATA
ON AMPLIFIER**

Customer :
 Job No :
 Model No : PM2-0R0118-15-10-SFF
 Serial No : PL1100

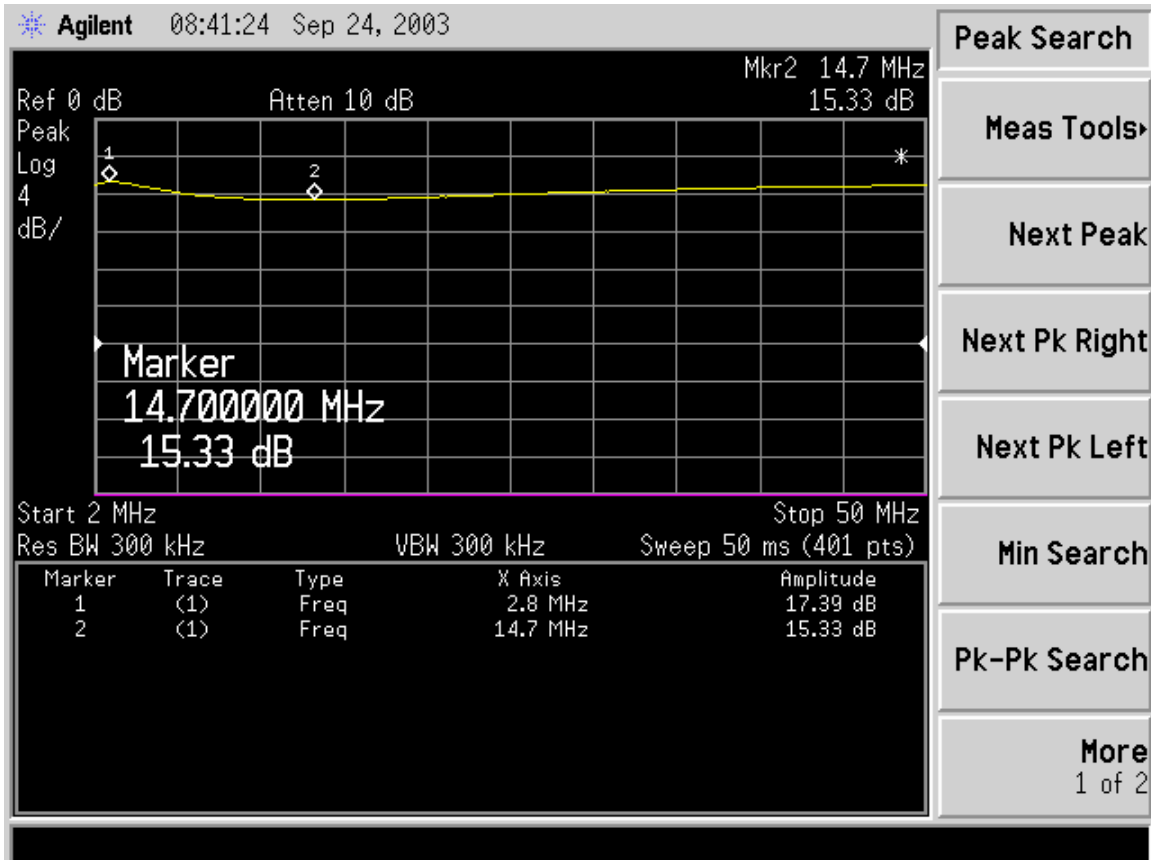
Tested By : Kevin Mason
 Temperature : +25°C
 Date : 09/24/03

| 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 | ±1.69 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. | 262mA @ +15V | |

Production Manager Approval:  Date: 09/24/03

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

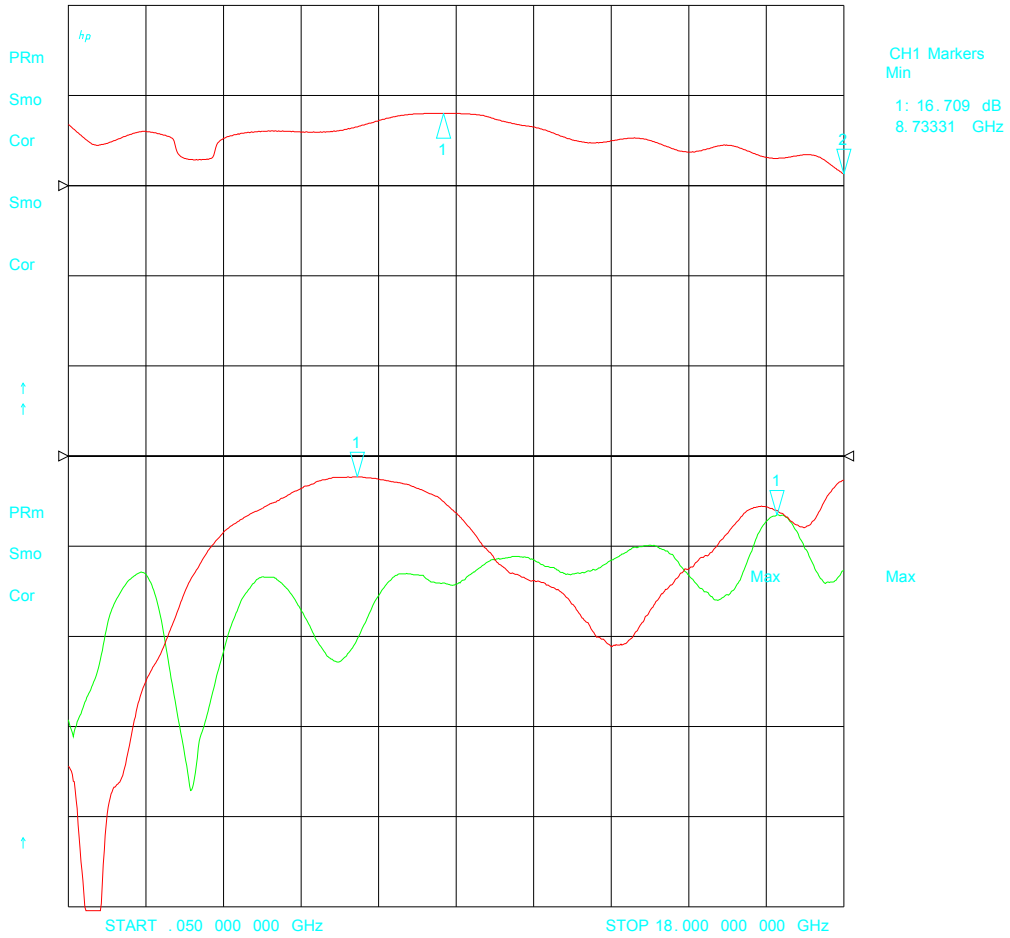
S-Parameter Plot (2 to 50MHz)



VNA Plot (50 MHz to 18 GHz)

24 Sep 2003 08:55:17

| | | | | | | | |
|-----|-----|-----|-------|--------------|-----|-----------|--------------------|
| CH1 | S21 | LOG | 4 dB/ | REF 13.5 dB | 2: | 14.005 dB | 18.000 000 000 GHz |
| CH2 | S11 | LOG | 5 dB/ | REF -9.54 dB | 1:- | 12.836 dB | 16.451 812 500 GHz |
| CH3 | S22 | LOG | 5 dB/ | REF -9.54 dB | 1:- | 10.694 dB | 6.736 375 000 GHz |



Noise Figure Plot

