



SUMMARY TEST DATA ON AMPLIFIER

Customer :
Job No :
Model No : PEC-25/15-618-15-SFF
Serial No : PL1224

Tested By : Kevin Mason
Temperature : +25°C
Date : 01/29/04

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | MEASURED VALUE | REMARKS QA/QC |
|---------------|----------------------------------|--|--------------------------------------|---------------|
| 1 | Frequency Range: | 6 – 18 GHz | Pass | |
| 2 | Gain: | J1-J2: 23 to 27dB J1-J3: 13 to 17dB | Pass (See Plots) | |
| 3 | Gain Variation: J1-J2, J1-J3 | ±2.5 dB Max. | J1-J2: ±1.26 dB J1-J3: ±1.66 dB | |
| 4 | Noise Figure: | 10.0 dB Max. | Pass (See Plots) | |
| 5 | Output Power J1-J2: J1-J3: | +13 dBm Min. with -9 to +5dBm RF CW in J1 +13 dBm Min. with +1 to +5dBm RF CW in J1 | 13.6 to 17.5 dBm 15.9 to 18.4 dBm | |
| 6 | VSWR In/Out: | 2.0:1 Max. | Pass (See Plots) | |
| 7 | Harmonics: | 15dBc Min. | ≥ 15dBc | |
| 8 | OIP3 | +24dBm Min. @ J2 +21dBm Min. @ J3 | > +24dBm >+21dBm | |
| 9 | Temperature Range | -54 to +85 °C | Pass | |
| 10 | Isolation | 0.1dB Max. J2 to J3 | < 0.1dB | |
| 11 | DC Power | 620mA@+15 VDC +/-2V | 330mA | |

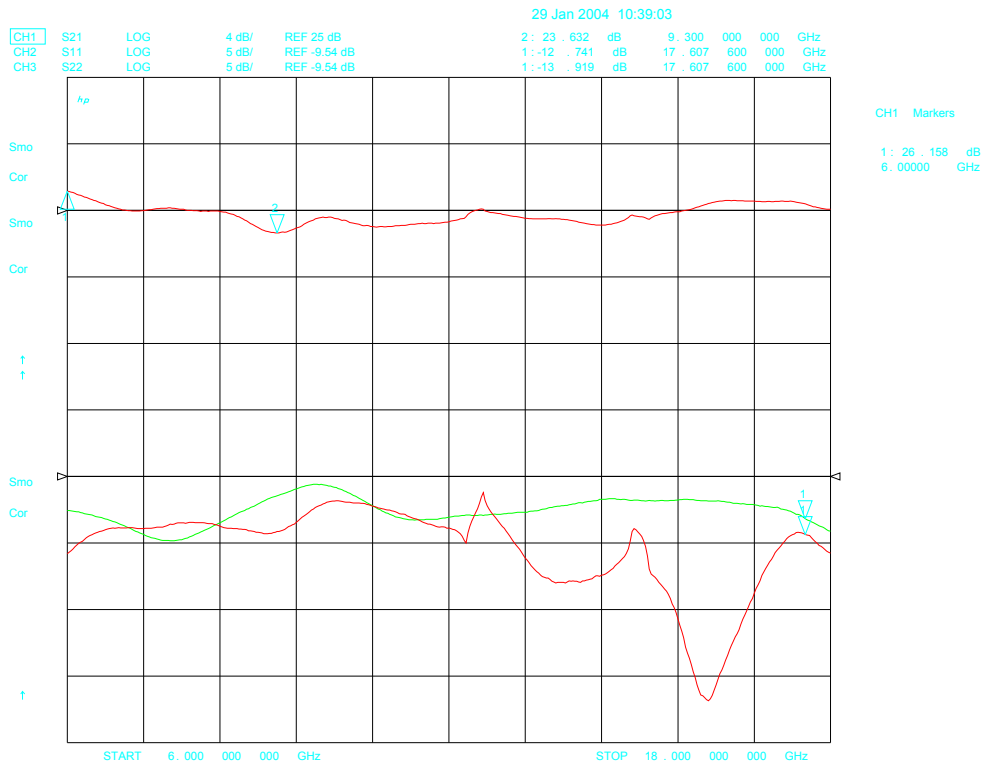
Production Manager Approval:  **Date:** 01/29/04

QA/QC Approval:  **Date:** 01/29/04

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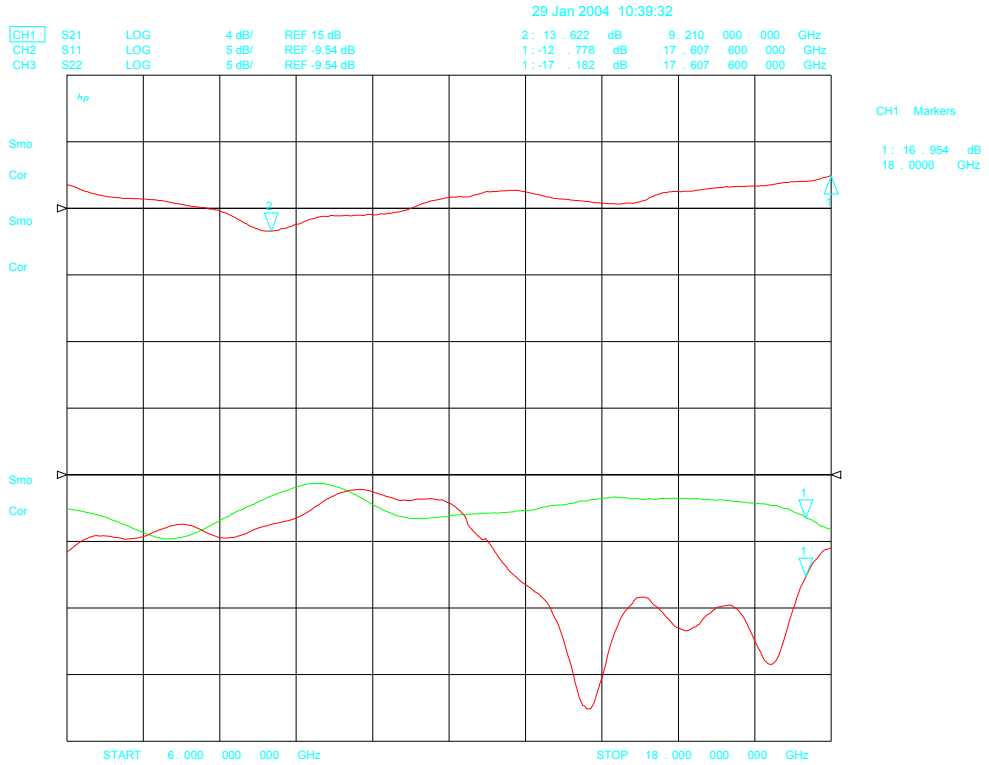


VNA Plot – J1 to J2



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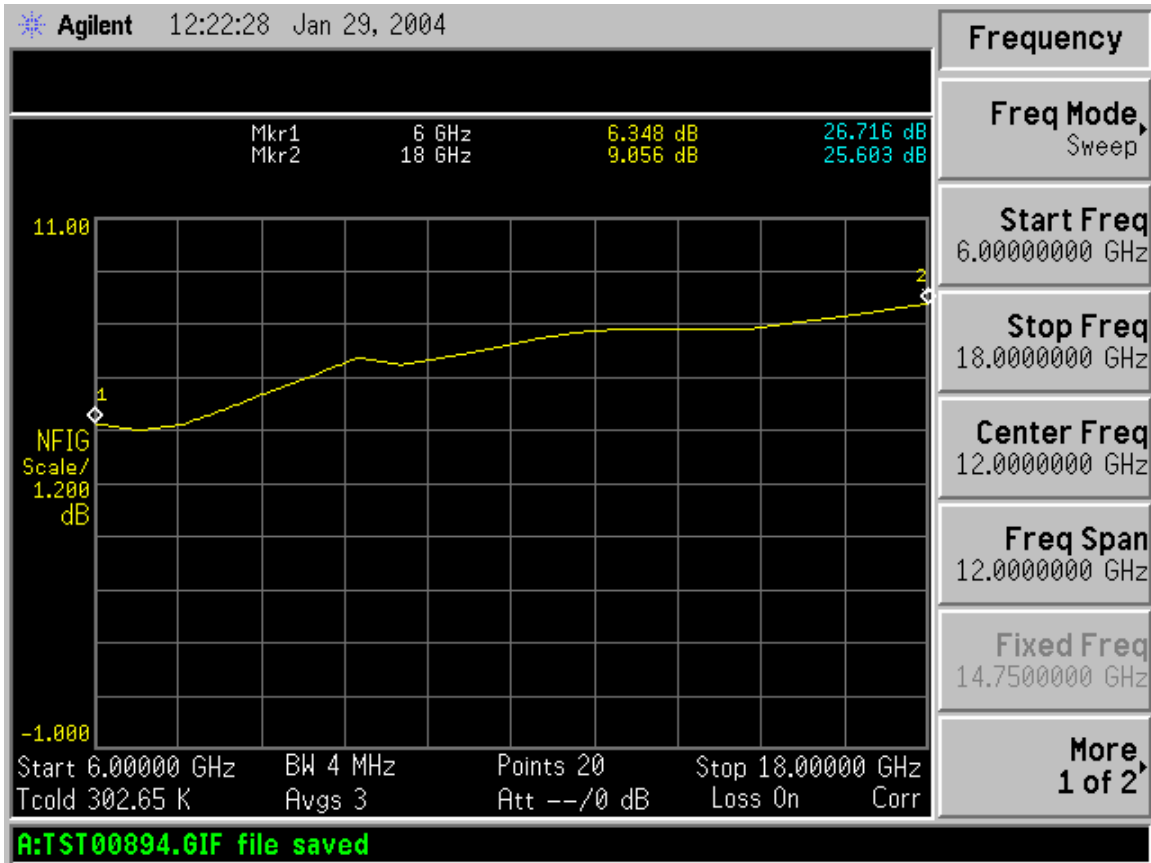
VNA Plot – J1 to J3



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Noise Figure Plot - J1 to J2



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Noise Figure Plot - J1 to J3

