

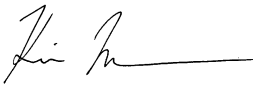
### SUMMARY TEST DATA ON AMPLIFIER

**Customer :**  
**Job No :**  
**Model No : PE2-22-811-3R5-16-12-SFF**  
**Serial No : PL3870**

**Tested By : Kevin Mason**  
**Temperature : +25°C**  
**Date : 12/19/07**

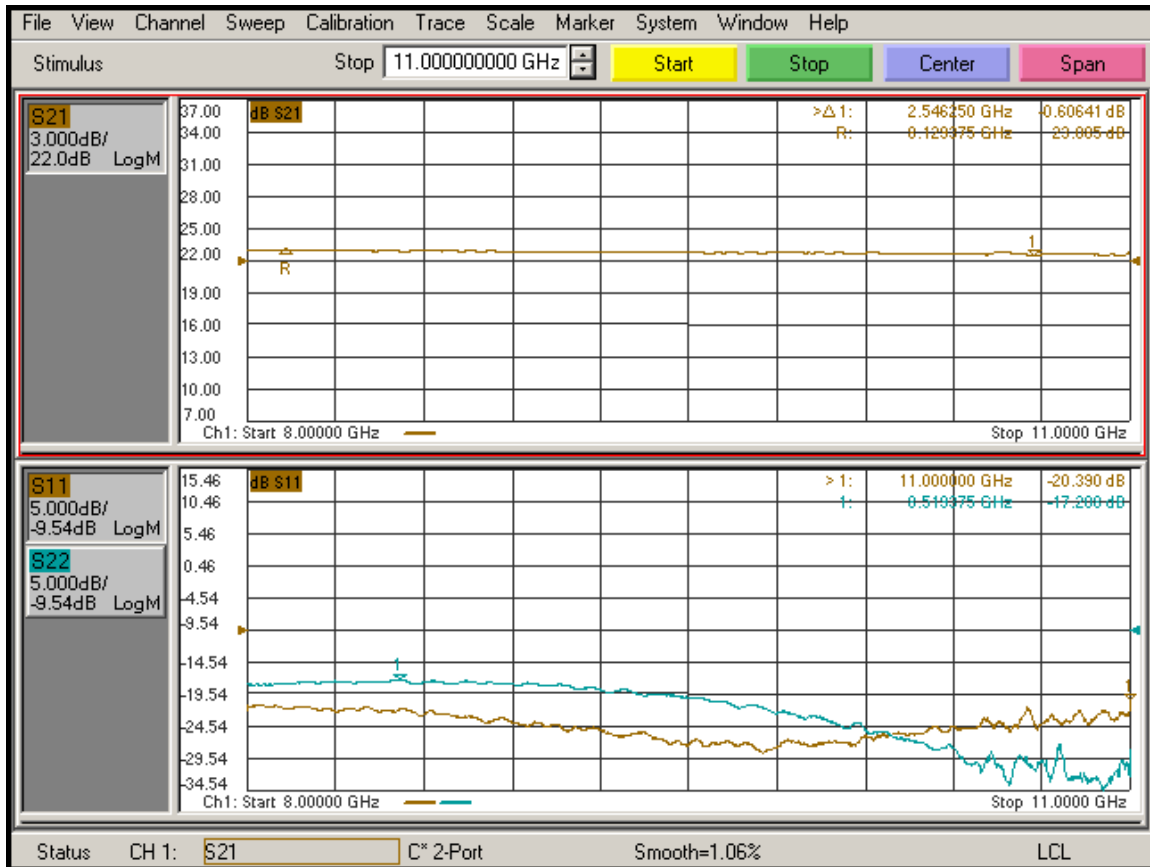
| TEST ITEM NO. | PARAMETERS       | SPECIFIED VALUE                          | MEASURED VALUE     | REMARKS QA/QC |
|---------------|------------------|------------------------------------------|--------------------|---------------|
| 1             | Frequency Range: | 8.0-11.0 GHz                             | Pass               |               |
| 2             | Gain:            | +22dB Min.                               | Pass<br>(See Plot) |               |
| 3             | Gain Flatness:   | ± 1.0dB Max.                             | ± 0.30dB           |               |
| 4             | OP1dB:           | +16dBm Min.                              | ≥ +16dBm           |               |
| 5             | VSWR:            | Input : 2.0:1<br>Output: 2.0:1<br>(Max.) | Pass<br>(See Plot) |               |
| 6             | Noise Figure:    | 3.5dB Max.                               | Pass               |               |
| 7             | DC Supply:       | 150mA@ +12 to<br>+15VDC Max.             | 131mA@ +12V        |               |

Production Manager Approval:  Date: 12/19/07

QA/QC Approval:  Date: 12/19/07

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## S-Parameter Plot



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