



VCO / MULTIPLIER TEST DATA SHEET

Model Number N07-1590
S/N: 1001
Case Temp +25°C

DC Power: +12.0 Volts
 @ 589 mA,
Spec. 550 mA typ.

| Freq. Out GHz | Voltage Tuning Range | Phase Noise | Power Out dBm | VSWR Out | Harmonics dBc |
|------------------|-------------------------|----------------|------------------|-------------|------------------|
|------------------|-------------------------|----------------|------------------|-------------|------------------|

@1MHz
dBc/ Hz

Specification

| | | | | | | | | |
|-------|------|------|------|-------|-----|--------|-----|-----|
| Start | 48.0 | 0.0 | Min | +10.0 | Max | 2.00:1 | Min | N/A |
| Stop | 53.0 | 12.0 | Typ. | -95.0 | | | | |

Data

| | | | | | |
|------|------|------|------|------|-----|
| 48.0 | 1.58 | - | 18.1 | 1.67 | - |
| 49.0 | 2.87 | - | 18.1 | 1.72 | - |
| 50.0 | 4.20 | -104 | 17.0 | 1.71 | >30 |
| 51.0 | 5.54 | - | 17.3 | 1.65 | - |
| 52.0 | 6.96 | - | 17.2 | 1.72 | - |
| 53.0 | 8.38 | - | 16.9 | 1.47 | - |

Min/Max Data

| | | | | | | | | | |
|-----|------|-----|------|-----|------|-----|------|-----|-----|
| Min | 1.58 | Max | -104 | Min | 16.9 | Max | 1.92 | Min | >30 |
| Max | 8.38 | | | Max | 18.1 | | | | |

Power Flatness
+/- 0.6 dB

Tested By: D. Hamlin Date: 4/9/08 QA By: [Signature] Date: 7/9/08

