

***** Step Lock Test from 600 MHz to 2500 MHz in 10 MHz Steps *****

Serial Number: 0014

Model Number: MLSP-0625BD

Time: 10:26:32 AM

Date: 11/17/2011

Minimum Frequency: 600 MHz

Maximum Frequency: 2500 MHz

Temperature: +32.6C Deg. C

NOVO State: UnLocked

Power Supply Spec: +5.0 VDC +/- 0.25 V @ < 300 mA

Power Supply Spec: +15.0 VDC +/- 0.50 V @ < 750 mA

Total Frequency Errors: 0

Finish Time: 10:26:48 AM

Begin Random Step Lock Test from 600 MHz to 2500 MHz (1000 Frequencies)

Total Random Frequency Errors: 0

Finish Time: 10:28:10 AM

+5.0 VDC Voltage = 5.002V Pass

+5.0 VDC Current = 267mA Pass

+15.0 VDC Voltage = 14.997V Pass

+15.0 VDC Current = 706mA Pass

Pass

Maximum RF Output Power vs. Frequency



Print

Max Levelled Pwr: N/A dBm

Min Levelled Pwr: N/A dBm

Levelled Pwr Set: N/A dBm

Level Flatness Spec: +/-2.0 dB

***** Random Spur Test from 600 MHz to 2500 MHz *****

Serial Number: 0014
Model Number: MLSP-0625BD
Time: 10:48:33 AM
Date: 11/22/2011
Minimum Frequency: 600 MHz
Maximum Frequency: 2500 MHz
Analyzer Frequency Span Tested: 2 kHz to 2000 MHz
Spur Level Spec: -60.0 dBc
Number of Frequencies Tested: 50
Temperature: +32.3C Deg. C
NOVO State: UnLocked

- Frequency Tested = 1824.028 MHz
- Frequency Tested = 702.814 MHz
- Frequency Tested = 1355.901 MHz
- Frequency Tested = 789.466 MHz
- Frequency Tested = 1539.403 MHz
- Frequency Tested = 1759.737 MHz
- Frequency Tested = 1884.853 MHz
- Frequency Tested = 618.064 MHz
- Frequency Tested = 1032.186 MHz
- Frequency Tested = 1512.602 MHz
- Frequency Tested = 1316.362 MHz
- Frequency Tested = 1458.926 MHz
- Frequency Tested = 2189.831 MHz
- Frequency Tested = 1748.469 MHz
- Frequency Tested = 1082.445 MHz
- Frequency Tested = 1088.754 MHz
- Frequency Tested = 1959.442 MHz
- Frequency Tested = 1931.464 MHz
- Frequency Tested = 682.761 MHz
- Frequency Tested = 657.733 MHz
- Frequency Tested = 1414.857 MHz
- Frequency Tested = 2202.037 MHz
- Frequency Tested = 1564.321 MHz
- Frequency Tested = 1434.047 MHz
- Frequency Tested = 1796.123 MHz
- Frequency Tested = 1275.124 MHz
- Frequency Tested = 2304.508 MHz
- Frequency Tested = 1206.988 MHz
- Frequency Tested = 728.382 MHz
- Frequency Tested = 2106.098 MHz
- Frequency Tested = 1591.164 MHz
- Frequency Tested = 1546.558 MHz
- Frequency Tested = 1028.298 MHz
- Frequency Tested = 1335.807 MHz
- Frequency Tested = 2494.588 MHz
- Frequency Tested = 2195.263 MHz
- Frequency Tested = 1936.295 MHz
- Frequency Tested = 785.107 MHz
- Frequency Tested = 2098.478 MHz
- Frequency Tested = 2080.309 MHz
- Frequency Tested = 1008.883 MHz
- Frequency Tested = 2001.692 MHz
- Frequency Tested = 1947.398 MHz
- Frequency Tested = 908.319 MHz
- Frequency Tested = 1224.381 MHz
- Frequency Tested = 2387.032 MHz
- Frequency Tested = 858.791 MHz
- Frequency Tested = 1222.451 MHz
- Frequency Tested = 2390.126 MHz
- Frequency Tested = 2245.642 MHz

Total Spur Errors: 0

Finish Time: 12:07:27 PM
Pass

***** Harmonic Test from 600.000000 MHz to 2500.000000 MHz in 50 MHz Steps *****

Model Number: MLSP-0625BD

Serial Number: 0014

Time: 10:09:27 AM

Date: 11/17/2011

Minimum Frequency: 600.000000 MHz

Maximum Frequency: 2500.000000 MHz

Current Unit Temperature: +31.6C Deg. C

Harmonic Spec Level (In Band): -8.0 dBc

| Frequency | Level | Harm # | Status |
|-----------|---------|--------|--------|
| 600 MHz | -11 dBc | 2 | PASS |
| 650 MHz | -10 dBc | 2 | PASS |
| 700 MHz | -11 dBc | 2 | PASS |
| 750 MHz | -11 dBc | 2 | PASS |
| 800 MHz | -12 dBc | 2 | PASS |
| 850 MHz | -13 dBc | 2 | PASS |
| 900 MHz | -14 dBc | 2 | PASS |
| 950 MHz | -15 dBc | 2 | PASS |
| 1000 MHz | -14 dBc | 2 | PASS |
| 1050 MHz | -15 dBc | 2 | PASS |
| 1100 MHz | -15 dBc | 2 | PASS |
| 1150 MHz | -16 dBc | 2 | PASS |
| 1200 MHz | -16 dBc | 2 | PASS |
| 1250 MHz | -17 dBc | 2 | PASS |
| 1300 MHz | -16 dBc | 2 | PASS |
| 1350 MHz | -16 dBc | 2 | PASS |
| 1400 MHz | -15 dBc | 2 | PASS |
| 1450 MHz | -14 dBc | 2 | PASS |
| 1500 MHz | -13 dBc | 2 | PASS |
| 1550 MHz | -13 dBc | 2 | PASS |
| 1600 MHz | -12 dBc | 2 | PASS |
| 1650 MHz | -11 dBc | 2 | PASS |
| 1700 MHz | -11 dBc | 2 | PASS |
| 1750 MHz | -10 dBc | 2 | PASS |
| 1800 MHz | -10 dBc | 2 | PASS |
| 1850 MHz | -9 dBc | 2 | PASS |
| 1900 MHz | -9 dBc | 2 | PASS |
| 1950 MHz | -9 dBc | 2 | PASS |
| 2000 MHz | -9 dBc | 2 | PASS |
| 2050 MHz | -9 dBc | 2 | PASS |
| 2100 MHz | -9 dBc | 2 | PASS |
| 2150 MHz | -9 dBc | 2 | PASS |
| 2200 MHz | -9 dBc | 2 | PASS |
| 2250 MHz | -10 dBc | 2 | PASS |
| 2300 MHz | -10 dBc | 2 | PASS |
| 2350 MHz | -10 dBc | 2 | PASS |
| 2400 MHz | -10 dBc | 2 | PASS |
| 2450 MHz | -10 dBc | 2 | PASS |
| 2500 MHz | -11 dBc | 2 | PASS |

Number of Failures: 0

Finish Time: 10:15:58 AM

Harmonic Readings complete

Pass

***** Phase Noise Test from 600 MHz to 2500 MHz in 190 MHz Steps *****

Model Number: MLSP-0625BD
Serial Number: 0014
Time: 3:00:30 PM
Date: 11/22/2011
Minimum Frequency: 600 MHz
Maximum Frequency: 2500 MHz
Number of Frequencies Tested: 11
Current Unit Temperature: +34.6C Deg. C

Phase Noise Spec @ Offset:

@ 100 Hz = -86.0 dBc/Hz
@ 1.0 kHz = -98.0 dBc/Hz
@ 10.0 kHz = -98.0 dBc/Hz
@ 100 Hz = -118.0 dBc/Hz
@ 1.0 MHz = -142.0 dBc/Hz
@ 10.0 MHz = -150 dBc/Hz

| Measured: Frequency | 100 Hz | 1 kHz | 10 kHz | 100 kHz | 1 MHz | 10 MHz | Status | RF Power |
|------------------------|--------|--------|--------|---------|--------|--------|--------|-----------|
| 600.001 | -103.7 | -110.0 | -109.4 | -118.6 | -147.9 | -162.5 | Pass | 16.68 dBm |
| 790.001 | -101.7 | -109.5 | -108.1 | -121.4 | -149.3 | -161.1 | Pass | 16.84 dBm |
| 980.002 | -99.4 | -111.3 | -110.9 | -124.7 | -151.0 | -161.8 | Pass | 16.25 dBm |
| 1170.002 | -97.9 | -110.1 | -110.8 | -125.3 | -149.9 | -167.9 | Pass | 15.38 dBm |
| 1360.002 | -95.3 | -109.4 | -109.6 | -126.1 | -150.9 | -167.0 | Pass | 14.76 dBm |
| 1550.002 | -94.6 | -108.8 | -107.6 | -125.0 | -149.4 | -166.8 | Pass | 14.27 dBm |
| 1740.003 | -94.2 | -107.0 | -105.1 | -123.2 | -147.9 | -167.2 | Pass | 14.02 dBm |
| 1930.003 | -95.0 | -106.9 | -105.2 | -124.8 | -147.2 | -165.6 | Pass | 13.78 dBm |
| 2120.003 | -91.6 | -105.9 | -104.6 | -125.3 | -148.2 | -164.3 | Pass | 13.30 dBm |
| 2310.004 | -91.2 | -105.3 | -103.5 | -124.6 | -148.2 | -165.4 | Pass | 13.27 dBm |
| 2500.004 | -89.2 | -104.4 | -100.3 | -121.6 | -145.7 | -162.7 | Pass | 13.20 dBm |

Number of Failures: 0

Finish Time: 3:03:44 PM

Phase Noise Readings Complete

Pass