***** 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 Ramdom Frequency Errors: 0

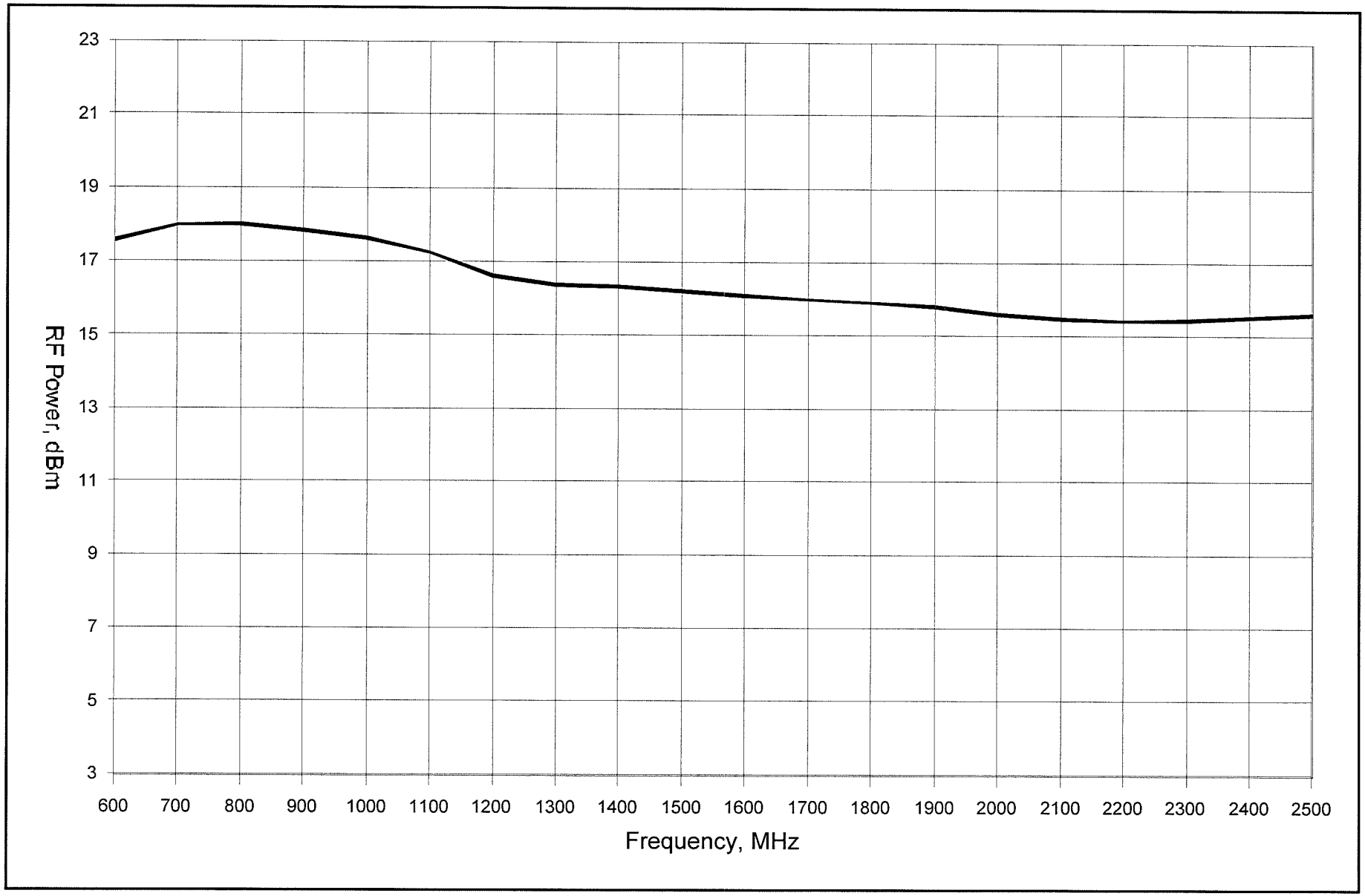
Finish Time: 10:28:10 AM

+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

Model #: MLSP-0625BD Serial #: 0014 Min Power: 13 dBm Max Power: 18 dBm Temp. : +36.6C Deg. C Date: 11-17-2011 Time: 10:03:20 **Status = Pass**

Maximum RF Output Power vs. Frequency



Print

Max Leveled Pwr: N/A dBm Min Leveled Pwr: N/A dBm Leveled 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