

***** Verification Test Report *****

Date: 1/31/2013
Time: 1:12:43 PM

Unit Personality:

Model: MLBFP-43040
Serial Number: 0032
MLWI Sales Order #: 19-0022
Firmware Version: 1.1 Jul 12 2011
Minimum Frequency: 3000.000 MHz
Maximum Frequency: 40000.000 MHz
Minimum Temperature: 0 Deg. C
Maximum Temperature: 60 Deg. C
Maximum Temperature Reached: 36.8 Deg. C
Current Temperature: +29.1C
Filter Frequency Accuracy: +/-10.0 MHz
Filter Bandwidth: 30 MHz (Min)
Filter Bandwidth Measurement Level: -3.0 dB
Filter Insertion Loss: 7.2 dB (Max)
Filter RF Limiting Level: 10.0 dBm (Min)
Filter RF Test Level: -1 dBm
Filter Passband Spurs / Ripple: 2.5 dB (Max)
Filter Off Resonance Isolation: 60 dB (Min)
Nonvolatile Memory State: Locked
Unit Health Status: Good
Minimum Endpoint DAC Cal Data: 15B Hex
Maximum Endpoint DAC Cal Data: FE45 Hex
Unit Calibration Status: Yes
Ethernet DHCP Status: On
IP Address: 192.168.1.62
Subnet Mask: 255.255.255.0
Gateway: 192.168.1.1
DNS1: 192.168.1.1
DNS2: 0.0.0.0
MAC Address: 0004A3158487
Host Name / USB Identifier: MLBFP032
Socket Port #: 30303

***** Test Results *****

Self Test Results:
+3.0 VDC Power Supply Voltage = +03.0V Pass
+3.3 VDC Power Supply Voltage = +03.3V Pass
+5.0 VDC Power Supply Voltage = +05.1V Pass
+15.0 VDC Power Supply Voltage = +15.4V Pass
-15.0 VDC Power Supply Voltage = -15.2V Pass

(Ideal Freq) (Freq Error) and (Filter BW) frequencies are in MHz.
(Insertion Loss) is in dB.

Ideal Freq	Freq Error	Filter BW	Loss dB	Result
3000.000	2.550	47.7	-6.9	Pass
6700.000	1.350	48.9	-4.9	Pass
10400.000	-1.800	49.2	-5.2	Pass
14100.000	0.600	51.6	-4.9	Pass
17800.000	-3.450	56.7	-5.1	Pass
21500.000	0.000	59.4	-5.1	Pass
25200.000	-4.200	68.4	-5.3	Pass
28900.000	0.600	78.0	-4.9	Pass
32600.000	-2.100	87.6	-5.1	Pass
36300.000	0.150	108.3	-5.1	Pass
40000.000	1.050	135.9	-4.8	Pass

Verification Test Status: Pass

Bandwidth 47.700000 MHz

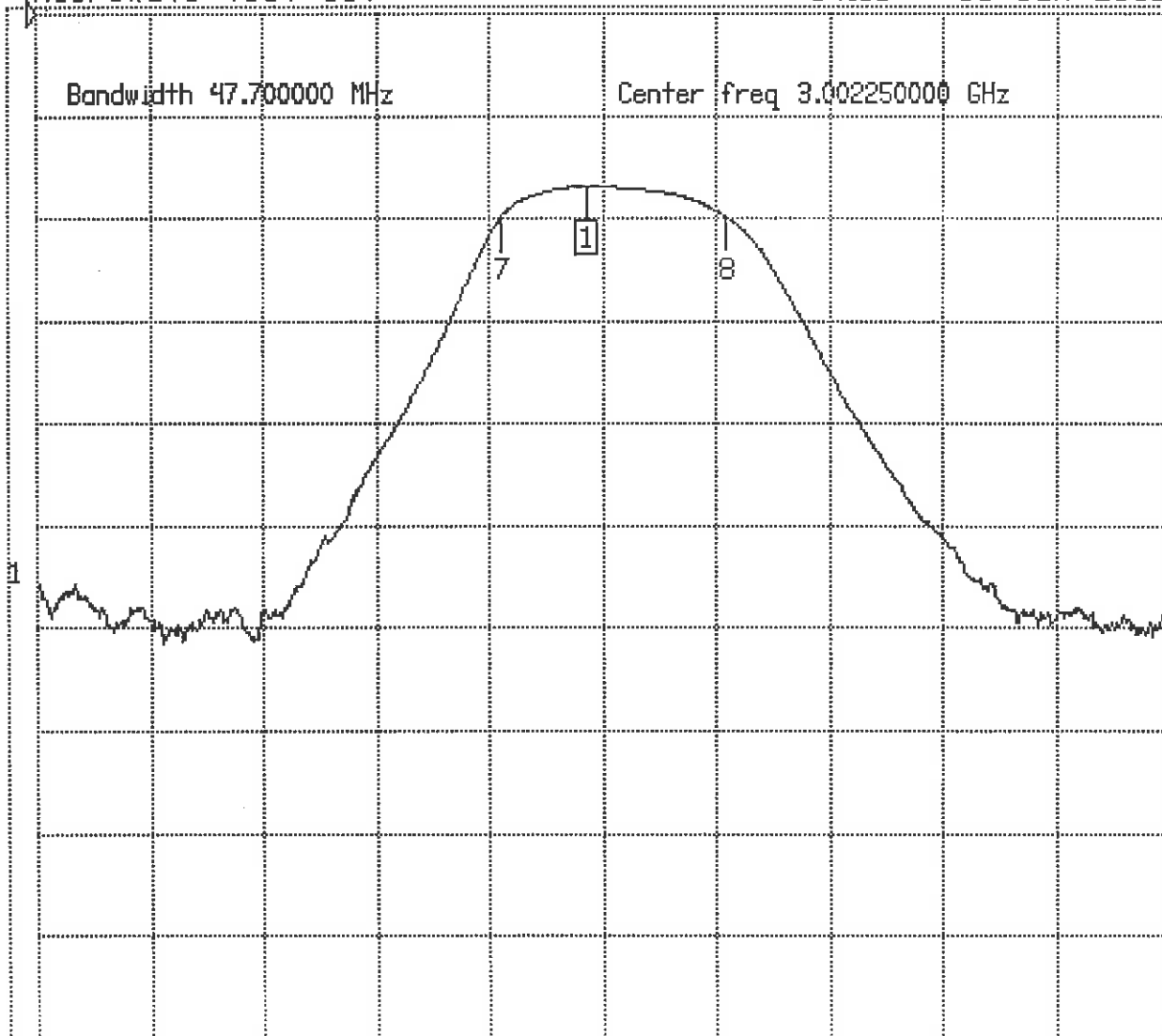
Center freq 3.002250000 GHz

1:A PC1 S

dB

1 -6.92 dB

+10.00 dB 10.00 dB/



Cntr 3.00000 GHz

1 2.99640 GHz

Span 240.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 2.99640 GHz	-6.92		
		7 2.97840 GHz	-9.97
		8 3.02610 GHz	-9.91

Bandwidth 59.100000 MHz

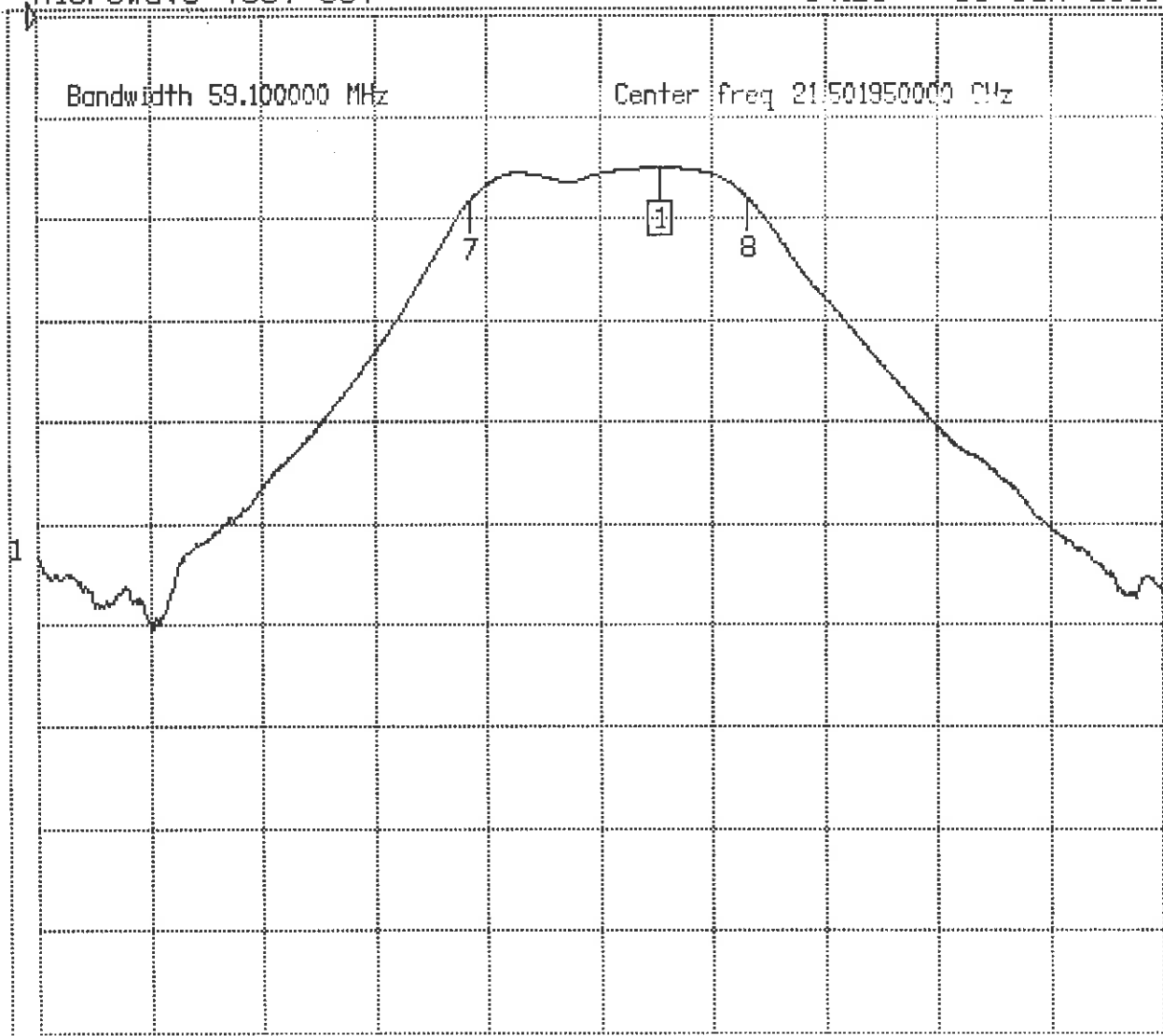
Center freq 21.501950000 GHz

1:A PC1 S

dB

1 -5.11 dB

+10.00 dB 10.00 dB/



Cntr 21.5000 GHz

1 21.5129 GHz

Span 240.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 21.5129 GHz	-5.11		
		7 21.4724 GHz	-8.25
		8 21.5315 GHz	-7.98

Bandwidth 135.500000 MHz

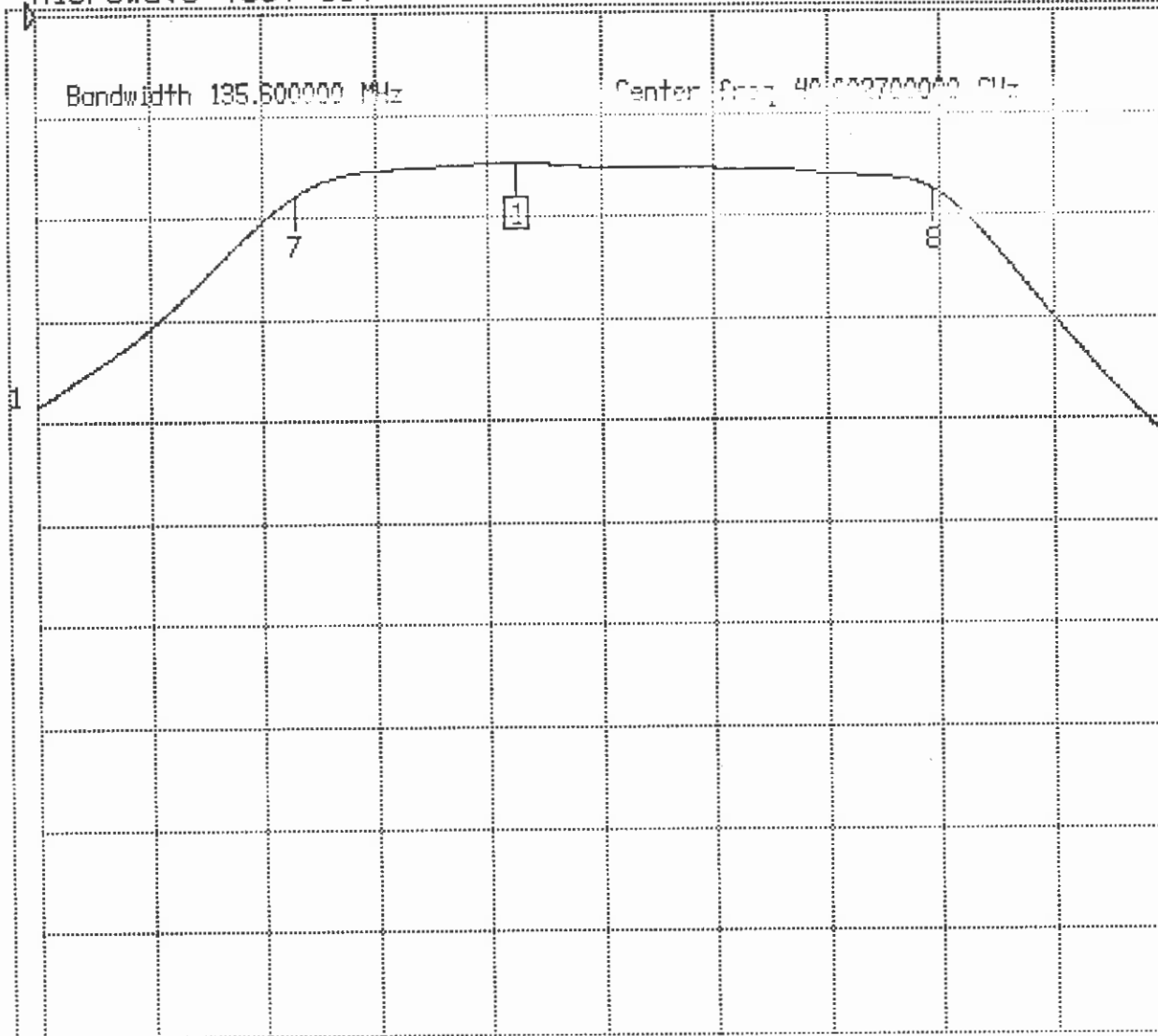
Center Freq 40.00000000 GHz

1:A PC1 S

dB

1 -4.80 dB

+10.00 dB 10.00 dB/



Cntr 40.0000 GHz

1 39.9820 GHz

Span 240.000 MHz

MARKER POSITION

1: (dB)

MARKER POSITION

1: (dB)

1 39.9820 GHz

-4.80

7 39.9349 GHz

-7.94

8 40.0705 GHz

-7.48