

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

Date: 1/4/2016
Time: 2:38:37 PM

Unit Personality:

Model: MLBFP-42018
Serial Number: 0050
MLWI Sales Order #: 19-0038
Firmware Version: 1.2 Jun 30 2014
Minimum Frequency: 2000.000 MHz
Maximum Frequency: 18000.000 MHz
Minimum Temperature: 0 Deg. C
Maximum Temperature: 60 Deg. C
Maximum Temperature Reached: 28.6 Deg. C
Current Temperature: +28.6C
Filter Frequency Accuracy: +/-10.0 MHz
Filter Bandwidth: 40.0 MHz (Min)
Filter Bandwidth Measurement Level: -3.0 dB
Filter Insertion Loss: 7.2 dB (Max)
Filter RF Limiting Level: 5.0 dBm (Min)
Filter RF Test Level: -6 dBm
Filter Passband Spurs / Ripple: 1.5 dB (Max)
Filter Off Resonance Isolation: 80 dB (Min)
Nonvolatile Memory State: Locked
Unit Health Status: Good
Minimum Endpoint DAC Cal Data: 30D Hex
Maximum Endpoint DAC Cal Data: FCBF Hex
Unit Calibration Status: Yes
Ethernet DHCP Status: On
IP Address: 192.168.1.89
Subnet Mask: 255.255.255.0
Gateway: 192.168.1.1
DNS1: 192.168.1.1
DNS2: 0.0.0.0
MAC Address: 0004A37C4EB1
Host Name / USB Identifier: MLBF0050
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 = +05.0V Pass
+15.0 VDC Power Supply Voltage = +15.4V Pass
-15.0 VDC Power Supply Voltage = -15.3V 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
2000.000	-3.000	48.4	-6.0	Pass
3600.000	-1.800	48.4	-4.3	Pass
5200.000	-1.200	48.8	-4.0	Pass
6800.000	0.000	51.2	-4.1	Pass
8400.000	0.200	48.4	-4.5	Pass
10000.000	-0.400	52.0	-4.7	Pass
11600.000	-2.200	54.8	-4.9	Pass
13200.000	-2.400	57.6	-5.3	Pass
14800.000	-2.000	60.0	-5.1	Pass
16400.000	-4.000	58.4	-5.6	Pass
18000.000	-3.400	66.8	-6.0	Pass

Verification Test Status: Pass

Bandwidth 48.400000 MHz

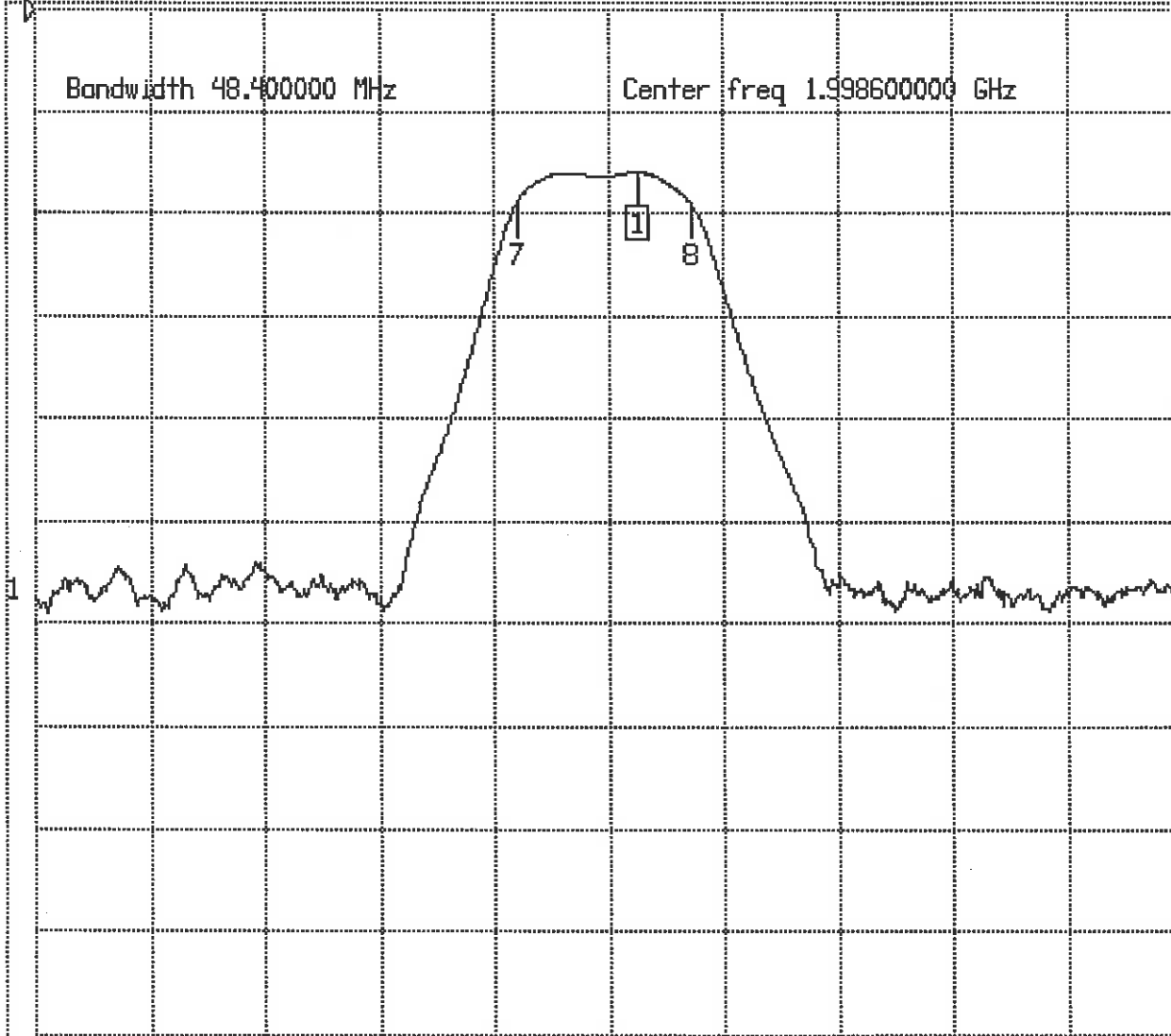
Center freq 1.998600000 GHz

1:A PC1 S

dB

1 -6.03 dB

+10.00 dB 10.00 dB/



Cntr 2.00000 GHz

1 2.00800 GHz

Span 320.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 2.00800 GHz	-6.03	7 1.97440 GHz	-9.03
		8 2.02280 GHz	-9.07

Bandwidth 52.400000 MHz

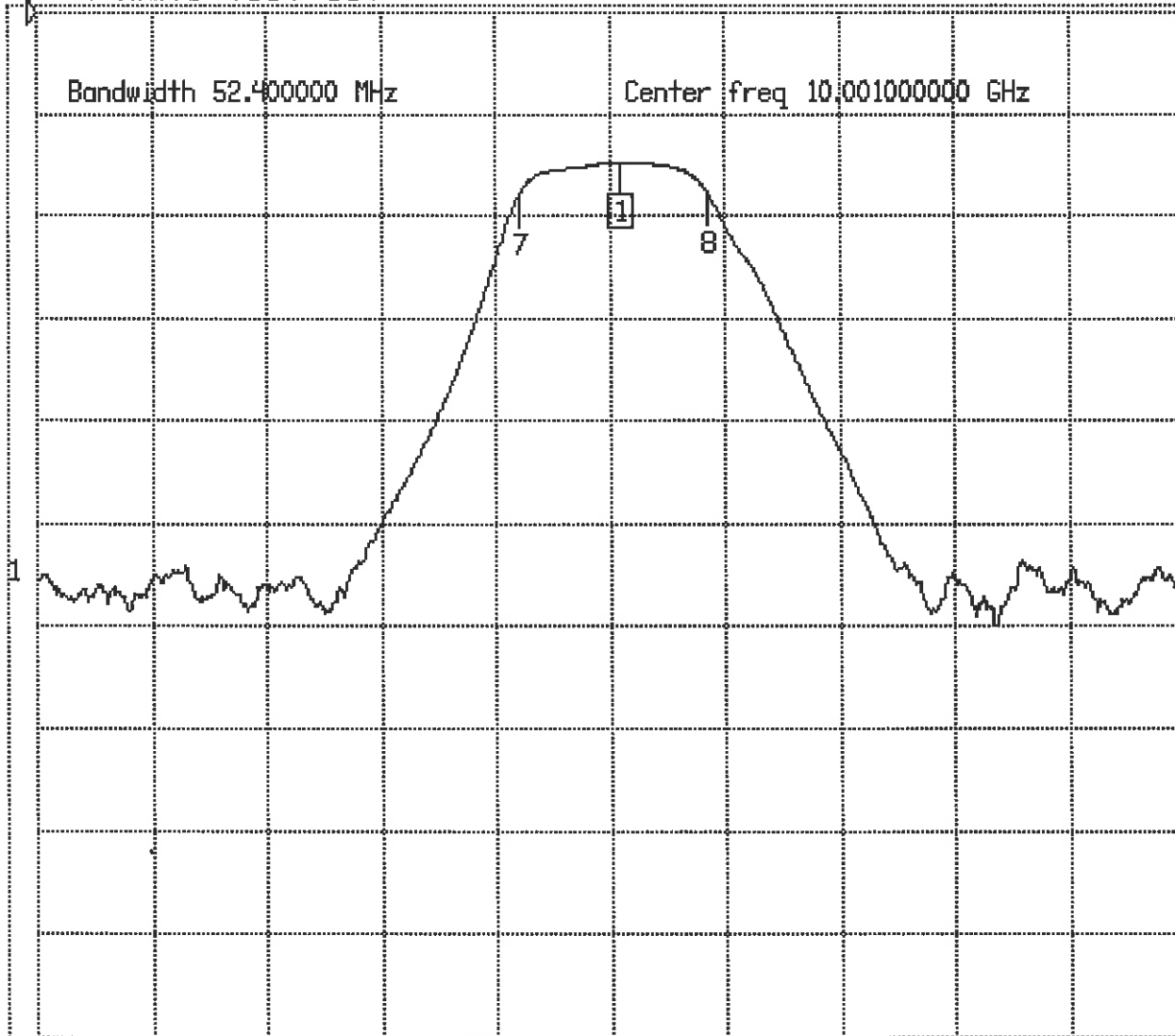
Center freq 10.001000000 GHz

1:A PC1 S

dB

1 -4.70 dB

+10.00 dB 10.00 dB/



Cntr 10.0000 GHz

1 10.0028 GHz

Span 320.000 MHz

MARKER POSITION

1: (dB)

MARKER POSITION

1: (dB)

1 10.0028 GHz

-4.70

7 9.97480 GHz

-7.79

8 10.0272 GHz

-7.77

Bandwidth 66.400000 MHz

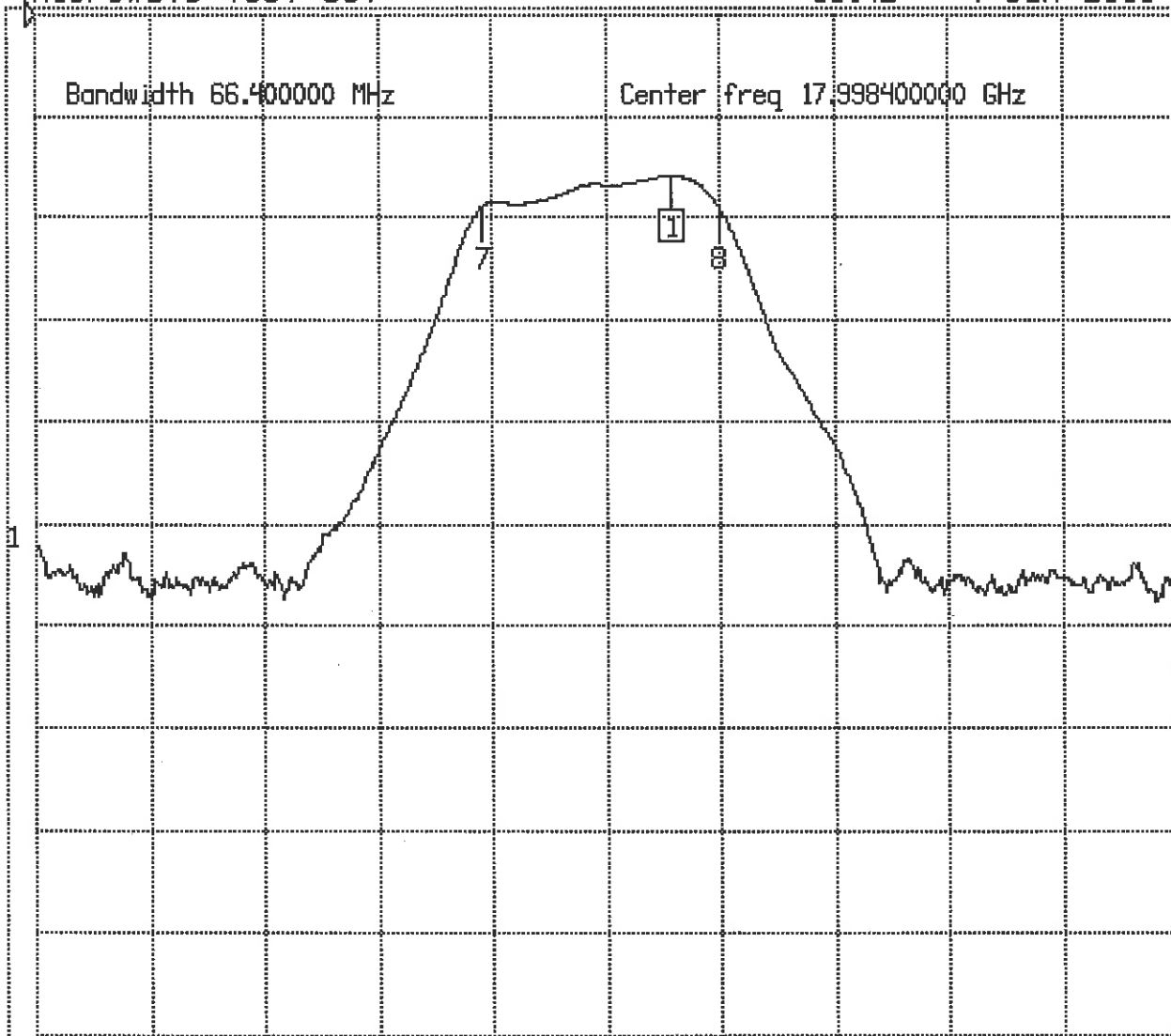
Center freq 17.998400000 GHz

1: A PC1 S

dB

1: -5.96 dB

10.00 dB 10.00 dB/



Cntr 18.0000 GHz

1: 18.0184 GHz

Span 320.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 18.0184 GHz	-5.96	7 17.9652 GHz	-9.01
		8 18.0316 GHz	-8.99