

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

Date: 1/14/2015  
Time: 10:09:26 AM

Unit Personality:

Model: MLBFP-62018  
Serial Number: 0047  
MLWI Sales Order #: 19\*0035  
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: 28.9 Deg. C  
Current Temperature: +28.4C  
Filter Frequency Accuracy: +/-10.0 MHz  
Filter Bandwidth: 50 MHz (Min)  
Filter Bandwidth Measurement Level: -3.0 dB  
Filter Insertion Loss: 8.2 dB (Max)  
Filter RF Limiting Level: 10.0 dBm (Min)  
Filter RF Test Level: -1 dBm  
Filter Passband Spurs / Ripple: 2.0 dB (Max)  
Filter Off Resonance Isolation: 100 dB (Min)  
Nonvolatile Memory State: Locked  
Unit Health Status: Good  
Minimum Endpoint DAC Cal Data: 309 Hex  
Maximum Endpoint DAC Cal Data: FCBF Hex  
Unit Calibration Status: Yes  
Ethernet DHCP Status: On  
IP Address: 192.168.1.52  
Subnet Mask: 255.255.255.0  
Gateway: 192.168.1.1  
DNS1: 192.168.1.1  
DNS2: 0.0.0.0  
MAC Address: 0004A37C4E3B  
Host Name / USB Identifier: MLBF0047  
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 = +15.5V 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
2000.000	-0.750	56.5	-5.2	Pass
3600.000	0.500	55.0	-4.8	Pass
5200.000	1.750	56.5	-4.9	Pass
6800.000	1.750	60.5	-5.0	Pass
8400.000	2.250	62.5	-5.3	Pass
10000.000	2.000	66.0	-5.8	Pass
11600.000	1.750	67.5	-5.7	Pass
13200.000	1.000	69.0	-6.0	Pass
14800.000	0.500	70.0	-6.3	Pass
16400.000	-1.000	71.0	-6.3	Pass
18000.000	-3.000	63.0	-7.0	Pass

Verification Test Status: Pass

Bandwidth 56.500000 MHz

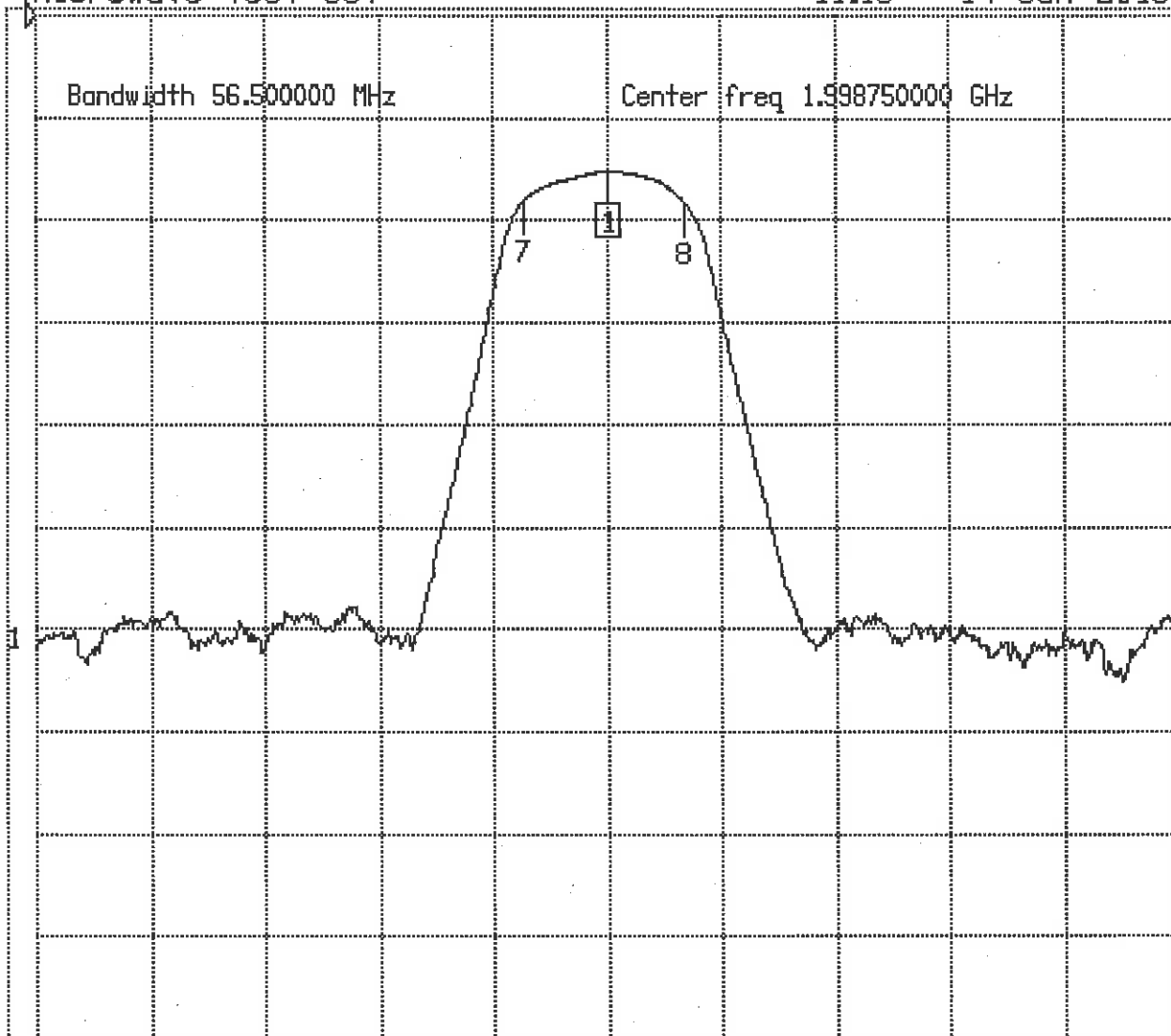
Center freq 1.998750000 GHz

1:A PC1 S

dB

1 -5.22 dB

+10.00 dB 10.00 dB/



Cntr 2.00000 GHz

1 2.00050 GHz

Span 400.000 MHz

MARKER POSITION

1: (dB)

MARKER POSITION

1: (dB)

1 2.00050 GHz

-5.22

7 1.97050 GHz

-8.18

8 2.02700 GHz

-8.27

Bandwidth 66.000000 MHz

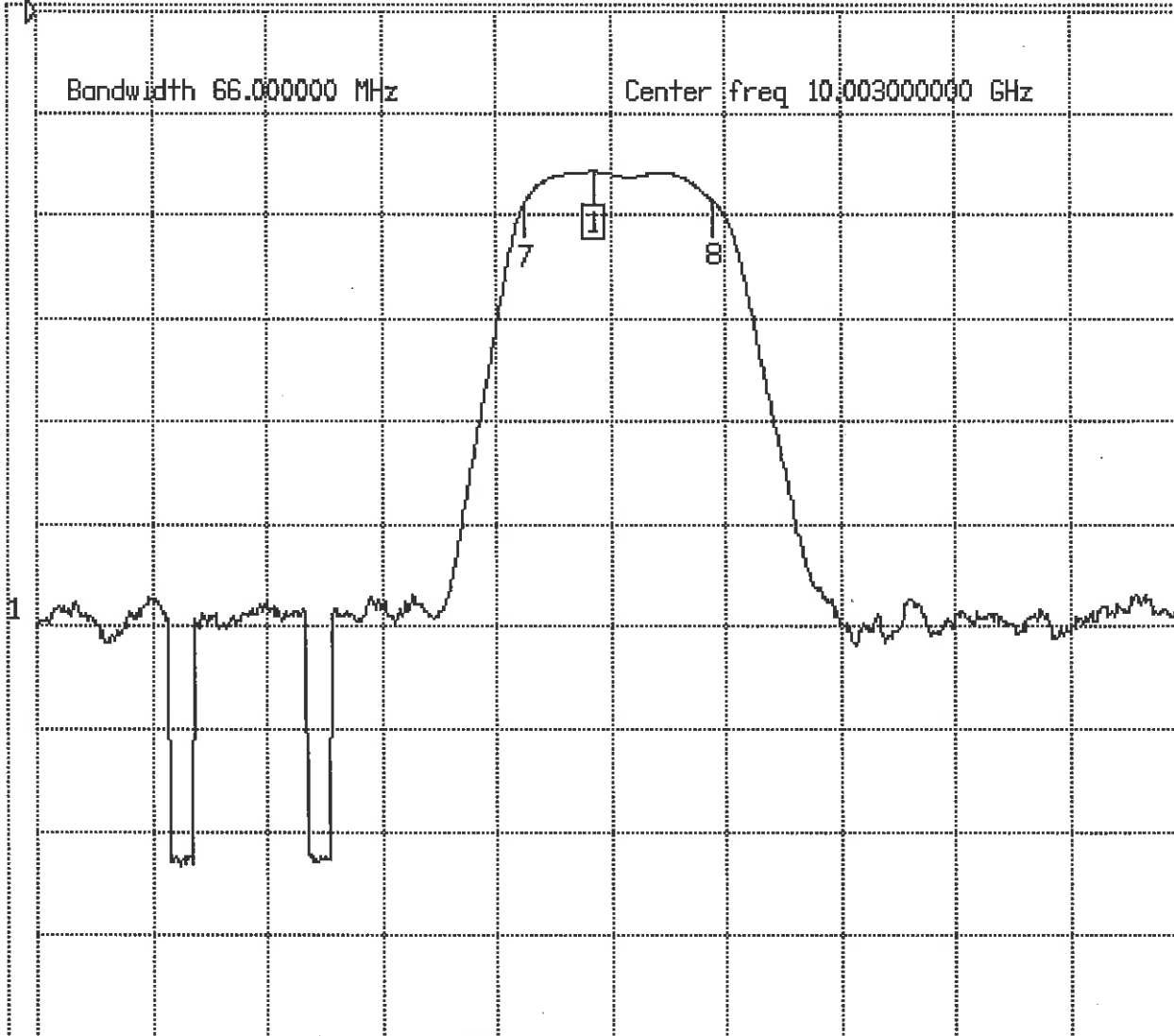
Center freq 10.00300000 GHz

1:A PC1 S

dB

1 -5.86 dB

+10.00 dB 10.00 dB/



Cntr 10.0000 GHz

1 9.99400 GHz

Span 400.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 9.99400 GHz	-5.86		
		7 9.97000 GHz	-8.95
		8 10.0360 GHz	-8.78

Bandwidth 63.000000 MHz

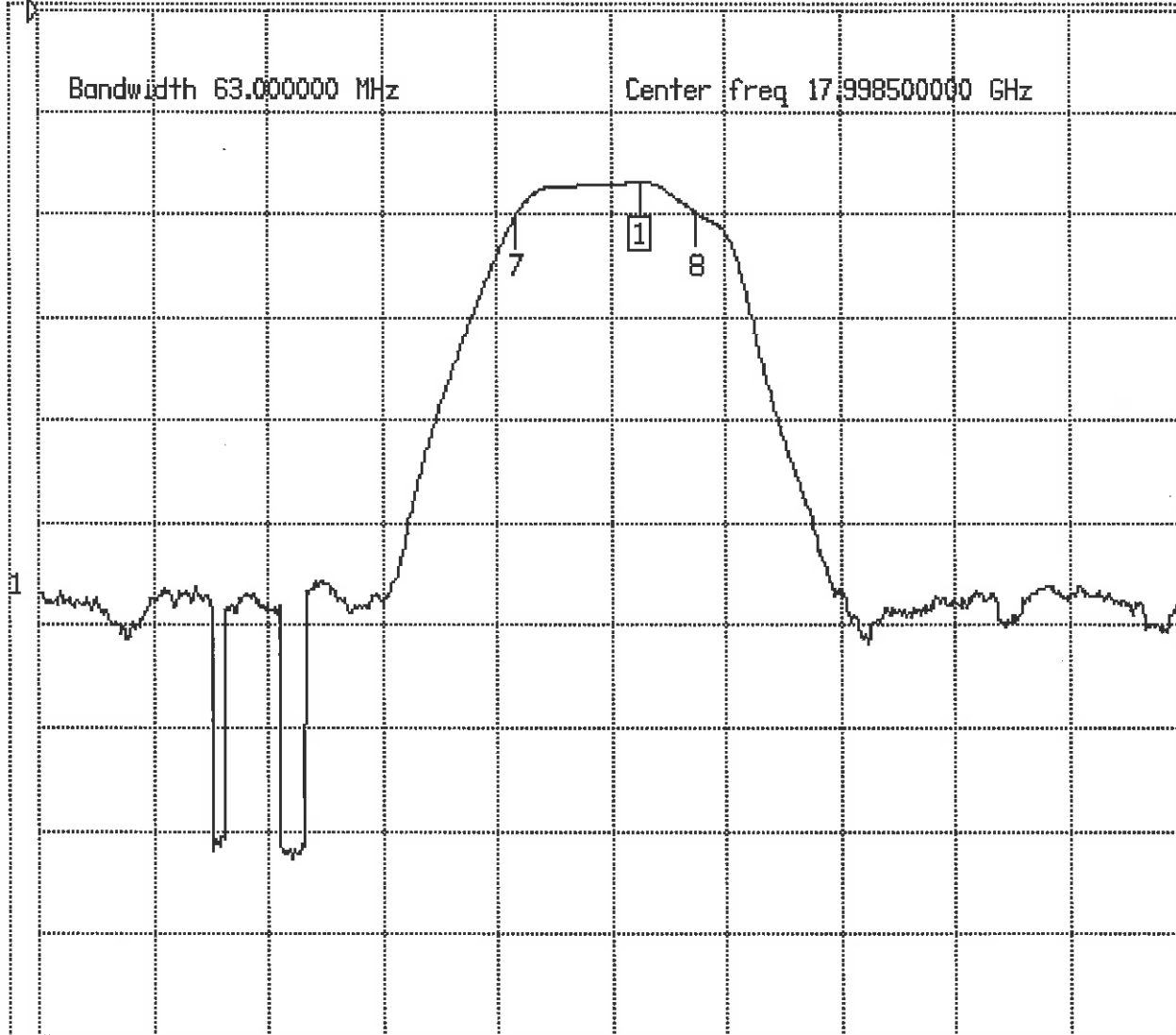
Center freq 17.99850000 GHz

1:A PC1 S

dB

1 -6.94 dB

10.00 dB 10.00 dB/



Cntr 18.0000 GHz

1 18.0100 GHz

Span 400.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 18.0100 GHz	-6.94		
		7 17.9670 GHz	-10.06
		8 18.0300 GHz	-9.89