

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

Date: 3/31/2014  
Time: 10:40:31 AM

Unit Personality:

Model: MLBFP-72018  
Serial Number: 0044  
MLWI Sales Order #: 19-0032  
Firmware Version: 1.1 Jul 12 2011  
Minimum Frequency: 2000.000 MHz  
Maximum Frequency: 18000.000 MHz  
Minimum Temperature: 0 Deg. C  
Maximum Temperature: 60 Deg. C  
Maximum Temperature Reached: 25.0 Deg. C  
Current Temperature: +29.5C  
Filter Frequency Accuracy: +/-10.0 MHz  
Filter Bandwidth: 40 MHz (Min)  
Filter Passband 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: 304 Hex  
Maximum Endpoint DAC Cal Data: FC50 Hex  
Unit Calibration Status: Yes  
Ethernet DHCP Status: On  
IP Address: 192.168.1.44  
Subnet Mask: 255.255.255.0  
Gateway: 192.168.1.1  
DNS1: 192.168.1.1  
DNS2: 0.0.0.0  
MAC Address: 0004A37C4069  
Host Name / USB Identifier: MLBF0044  
Socket Port #: 30303

\*\*\*\*\* Test Results \*\*\*\*\*

Self Test Results:

+3.0 VDC Power Supply Voltage = +03.1V 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 = +14.9V 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	-4.200	50.0	-5.9	Pass
3600.000	-2.200	50.0	-5.4	Pass
5200.000	-1.000	52.4	-5.5	Pass
6800.000	0.200	54.8	-5.5	Pass
8400.000	0.800	54.4	-5.7	Pass
10000.000	1.200	56.8	-5.7	Pass
11600.000	1.400	58.0	-6.0	Pass
13200.000	1.000	62.0	-6.5	Pass
14800.000	0.000	64.0	-6.6	Pass
16400.000	1.400	64.4	-6.3	Pass
18000.000	-2.400	64.8	-6.8	Pass

Verification Test Status: Pass

Bandwidth 50.000000 MHz

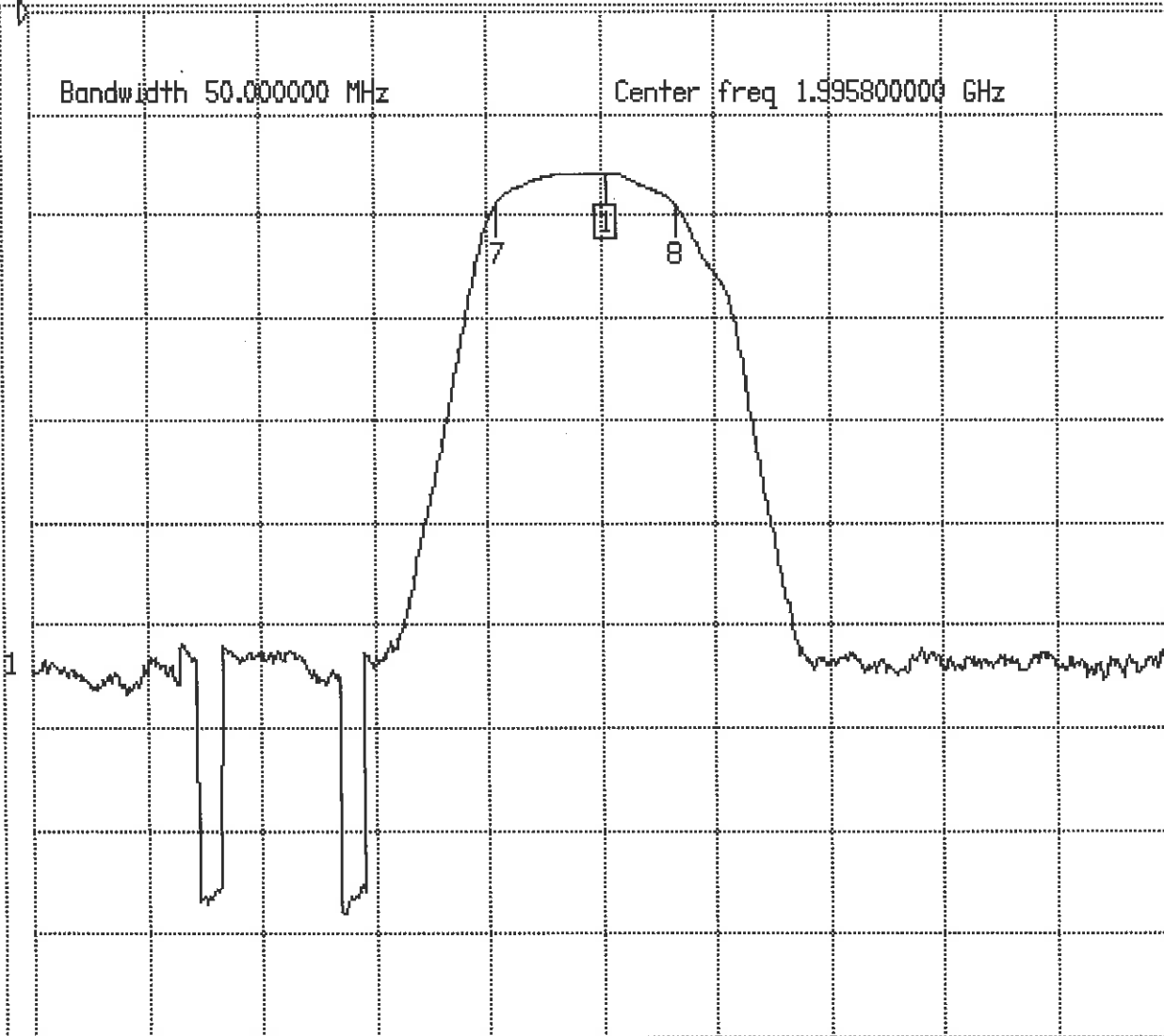
Center freq 1.995800000 GHz

1:A PC1 S

dB

1 -5.88 dB

10.00 dB / 10.00 dB/



Cntr 2.00000 GHz

1 2.00120 GHz

Span 320.000 MHz

MARKER POSITION

1: (dB)

MARKER POSITION

1: (dB)

1 2.00120 GHz

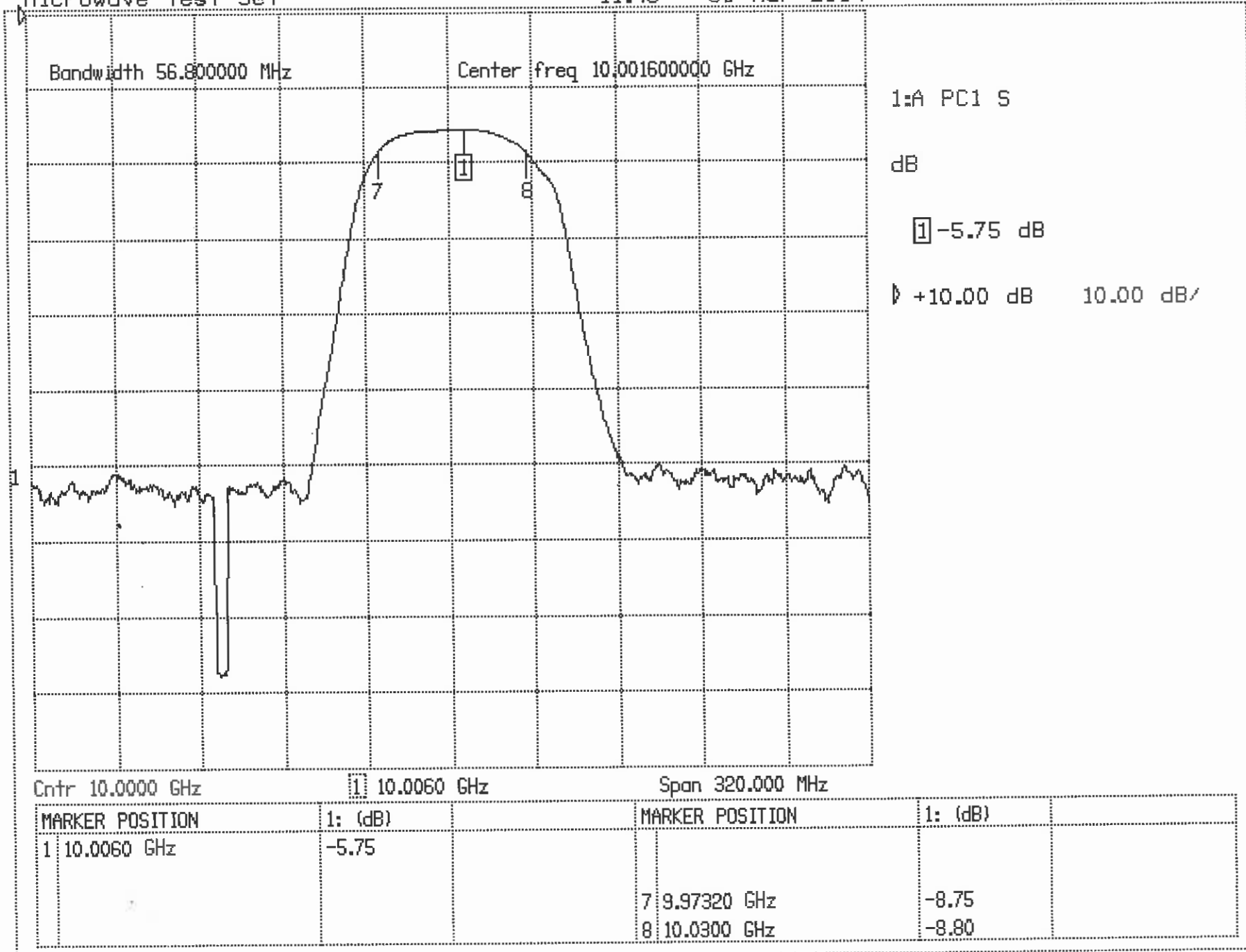
-5.88

7 1.97080 GHz

-8.84

8 2.02080 GHz

-8.92



Bandwidth 64.800000 MHz

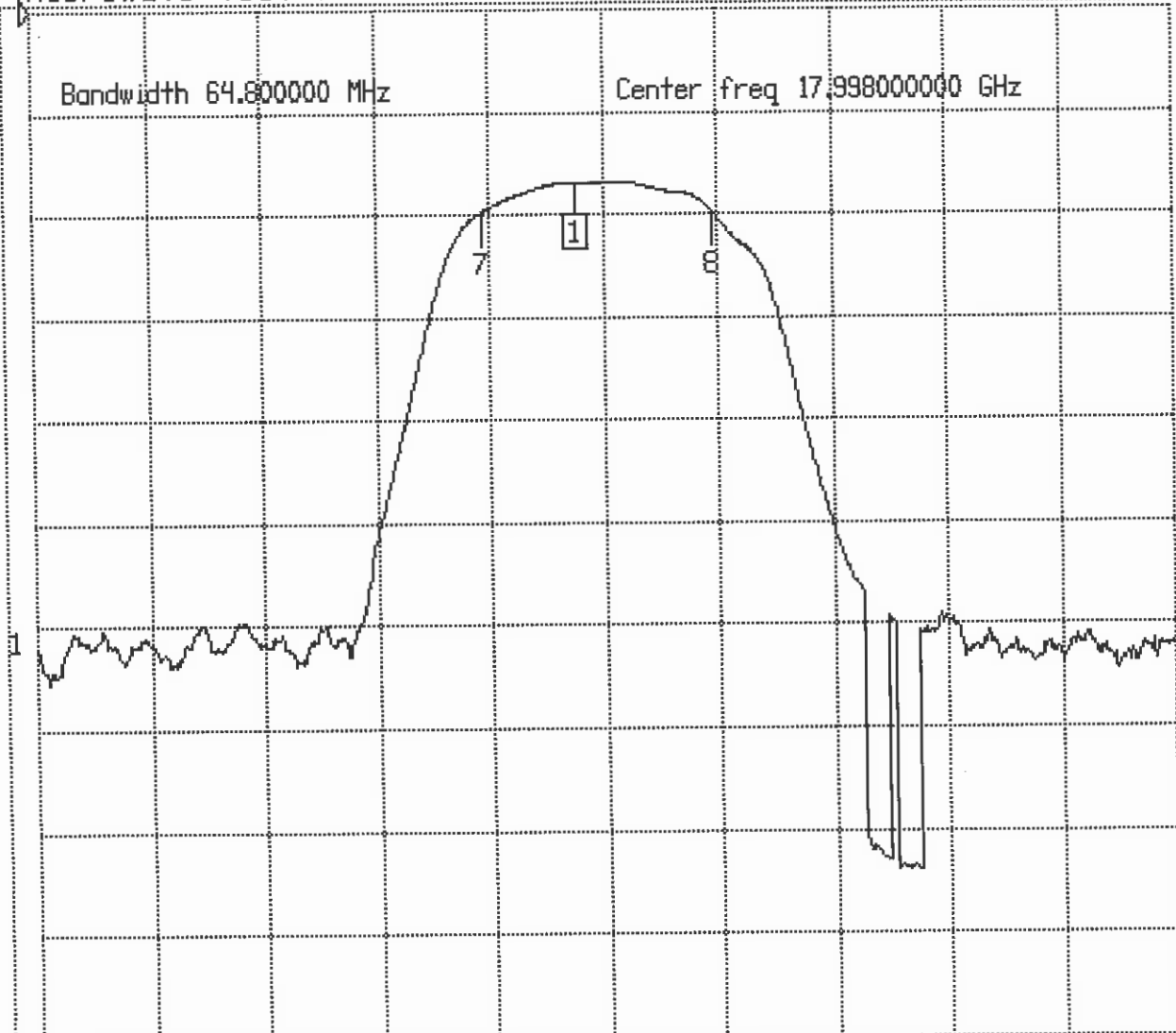
Center freq 17.998000000 GHz

1:A PC1 S

dB

1 -6.84 dB

+10.00 dB 10.00 dB/



Cntr 18.0000 GHz

1 17.9920 GHz

Span 320.000 MHz

MARKER POSITION

1: (dB)

MARKER POSITION

1: (dB)

1 17.9920 GHz

-6.84

7 17.9656 GHz

-9.80

8 18.0304 GHz

-9.73