

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

Date: 10/17/2012
Time: 10:56:07 AM

Unit Personality:

Model: MLBFP-42020
Serial Number: 0030
MLWI Sales Order #: 19-0021
Firmware Version: 1.1 Jul 12 2011
Minimum Frequency: 2000.000 MHz
Maximum Frequency: 20000.000 MHz
Minimum Temperature: 0 Deg. C
Maximum Temperature: 60 Deg. C
Maximum Temperature Reached: 37.1 Deg. C
Current Temperature: +31.5C
Filter Frequency Accuracy: +/-10.0 MHz
Filter Bandwidth: 40 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: 1.5 dB (Max)
Filter Off Resonance Isolation: 80 dB (Min)
Nonvolatile Memory State: Locked
Unit Health Status: Good
Minimum Endpoint DAC Cal Data: 2C2 Hex
Maximum Endpoint DAC Cal Data: FD1B Hex
Unit Calibration Status: Yes
Ethernet DHCP Status: On
IP Address: 192.168.1.55
Subnet Mask: 255.255.255.0
Gateway: 192.168.1.1
DNS1: 192.168.1.1
DNS2: 0.0.0.0
MAC Address: 0004A31584CA
Host Name / USB Identifier: MLBF0030
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 = +15.1V Pass
-15.0 VDC Power Supply Voltage = -15.0V 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	-1.000	43.6	-6.1	Pass
3800.000	0.600	44.4	-4.7	Pass
5600.000	2.600	45.2	-4.5	Pass
7400.000	4.400	44.8	-4.6	Pass
9200.000	2.200	44.4	-4.5	Pass
11000.000	4.000	48.0	-4.7	Pass
12800.000	6.000	48.8	-4.7	Pass
14600.000	5.600	52.0	-5.1	Pass
16400.000	3.400	53.2	-4.9	Pass
18200.000	2.800	56.0	-5.4	Pass
20000.000	-0.600	60.4	-5.3	Pass

Verification Test Status: Pass

Bandwidth 43.600000 MHz

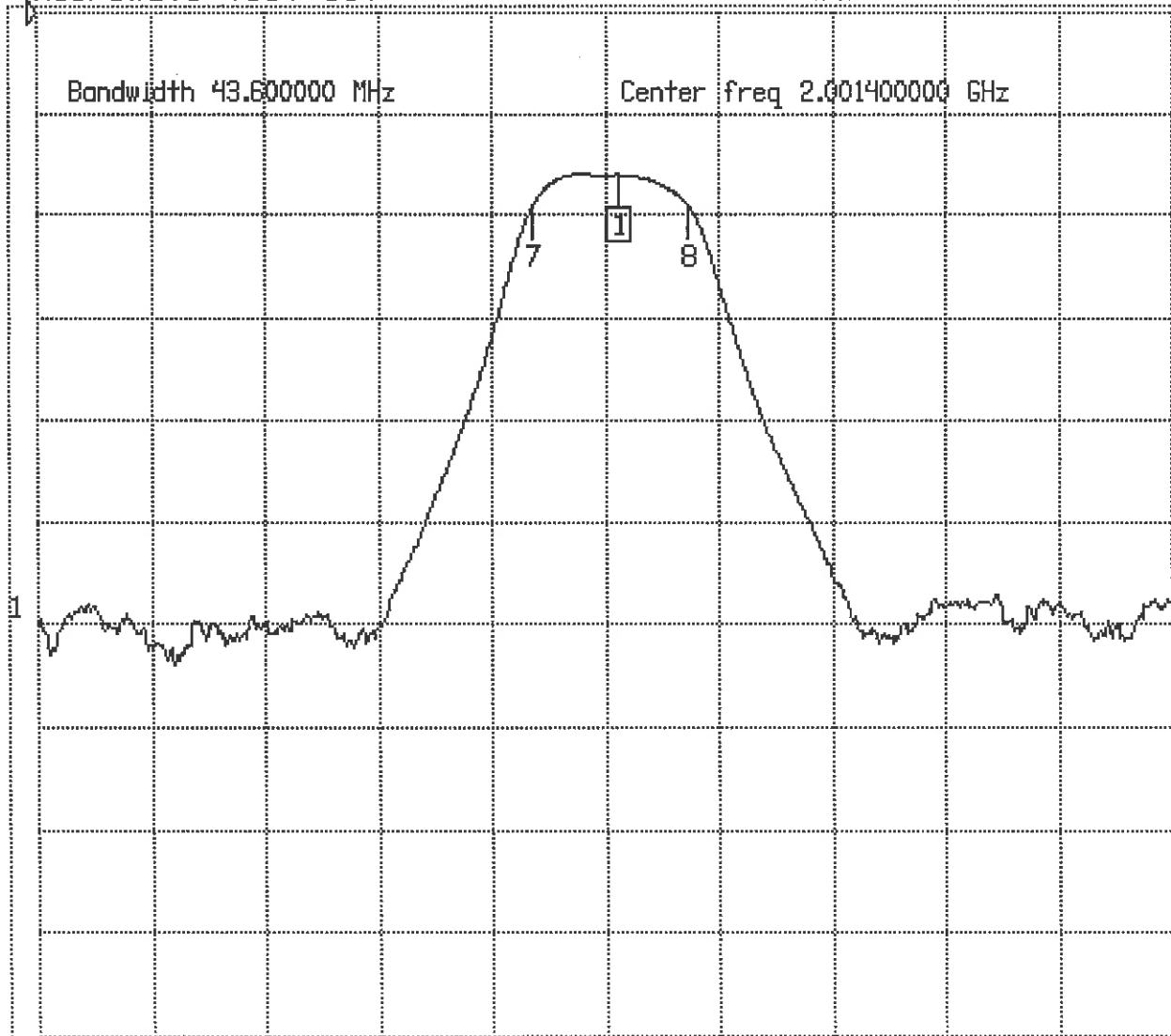
Center freq 2.001400000 GHz

1=A PC1 S

dB

1 -6.10 dB

10.00 dB / 10.00 dB



Cntr 2.00000 GHz

1 2.00360 GHz

Span 320.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 2.00360 GHz	-6.10		
		7 1.97960 GHz	-9.07
		8 2.02320 GHz	-9.12

Bandwidth 48.000000 MHz

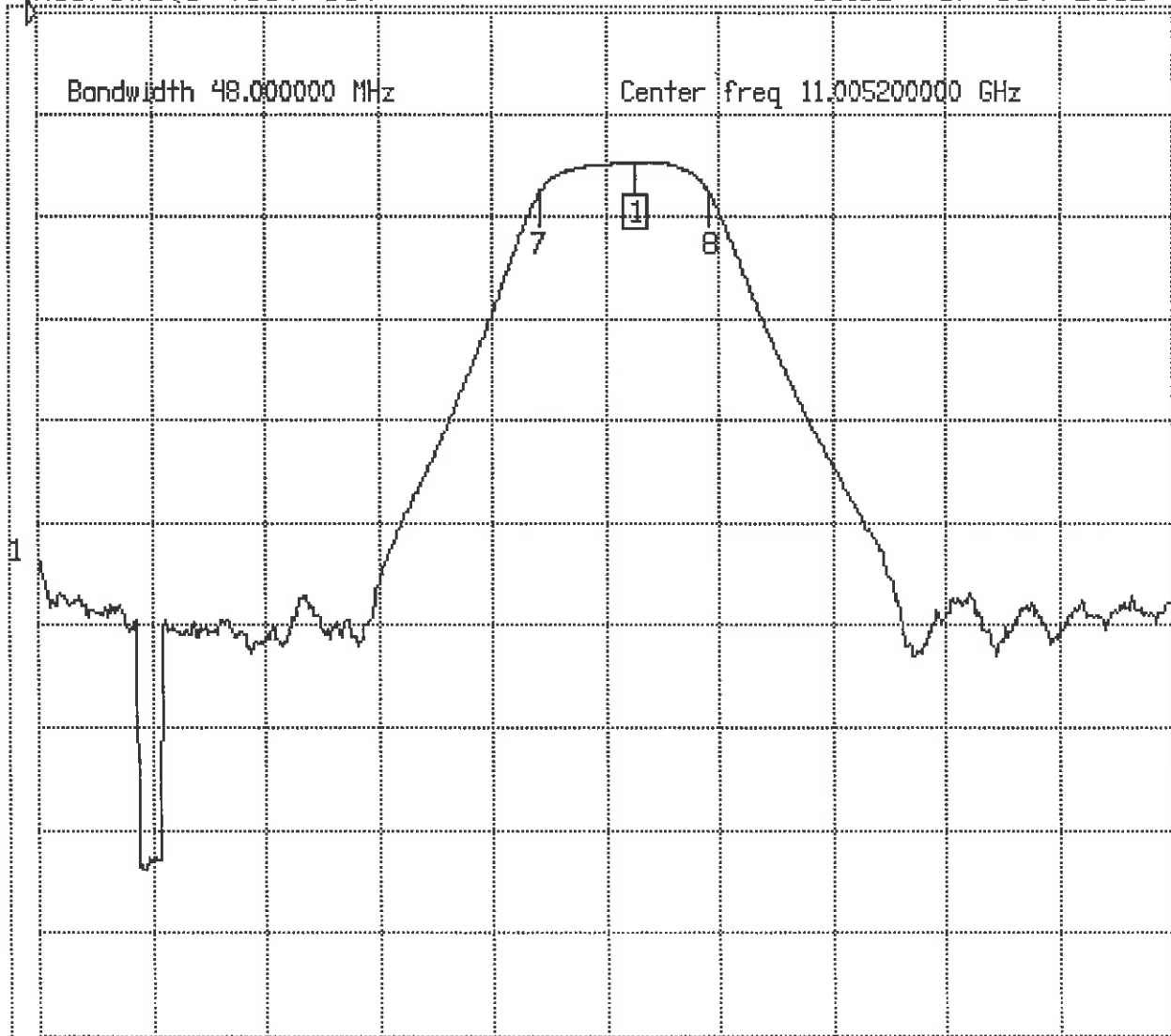
Center freq 11.00520000 GHz

1:A PC1 S

dB

1 -4.71 dB

10.00 dB / 10.00 dB



Cntr 11.0000 GHz

1 11.0084 GHz

Span 320.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 11.0084 GHz	-4.71		
		7 10.9812 GHz	-7.73
		8 11.0292 GHz	-7.70

Bandwidth 60.400000 MHz

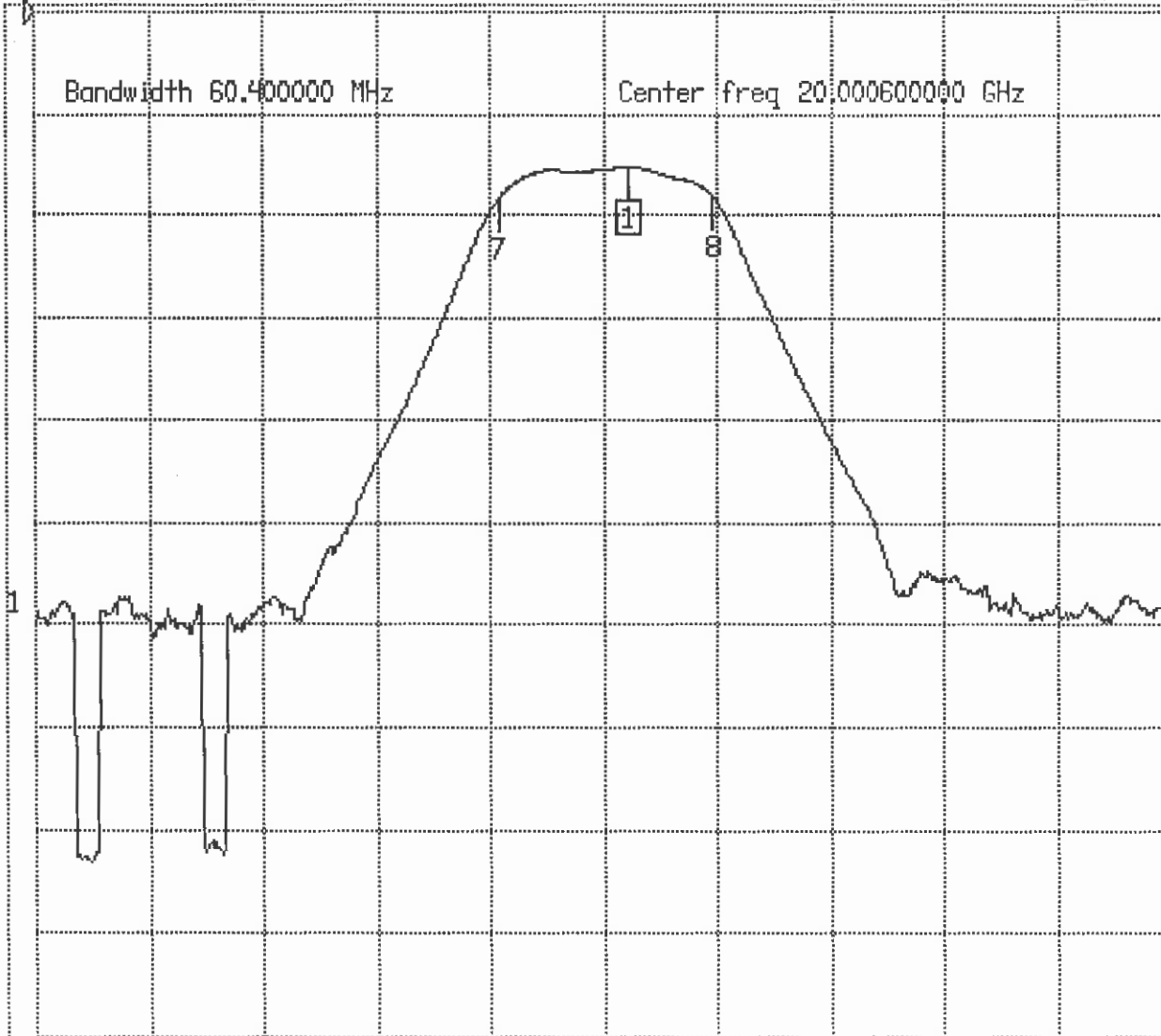
Center freq 20.000600000 GHz

1:A PC1 S

dB

1 -5.29 dB

+10.00 dB 10.00 dB/



Cntr 20.0000 GHz

1 20.0068 GHz

Span 320.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 20.0068 GHz	-5.29	7 19.9704 GHz	-8.38
		8 20.0308 GHz	-8.22