

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

Date: 7/24/2014  
Time: 10:05:30 AM

Unit Personality:

Model: MLBFR-160418  
Serial Number: 0045  
MLWI Sales Order #: 19-0033  
Firmware Version: 1.2 Jun 30 2014  
Minimum Frequency: 4000.000 MHz  
Maximum Frequency: 18000.000 MHz  
Minimum Temperature: 0 Deg. C  
Maximum Temperature: 50 Deg. C  
Maximum Temperature Reached: 33.2 Deg. C  
Current Temperature: +29.8C  
Filter Frequency Accuracy: +/-10.0 MHz  
Filter Bandwidth: 30 MHz (Min)  
Filter Bandwidth Measurement Level: -40.0 dB  
Filter Insertion Loss: 3.0 dB (Max)  
Filter RF Limiting Level: 10 dBm (Min)  
Filter RF Test Level: -1 dBm  
Filter Passband Spurs / Ripple: 4.0 dB (Max)  
Filter Off Resonance Isolation: N/A dB (Min)  
Nonvolatile Memory State: Locked  
Unit Health Status: Good  
Minimum Endpoint DAC Cal Data: 3BA Hex  
Maximum Endpoint DAC Cal Data: FC57 Hex  
Unit Calibration Status: Yes  
Ethernet DHCP Status: On  
IP Address: 192.168.1.15  
Subnet Mask: 255.255.255.0  
Gateway: 192.168.1.1  
DNS1: 192.168.1.1  
DNS2: 0.0.0.0  
MAC Address: 0004A37C403A  
Host Name / USB Identifier: MLBF0045  
Socket Port #: 30303

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

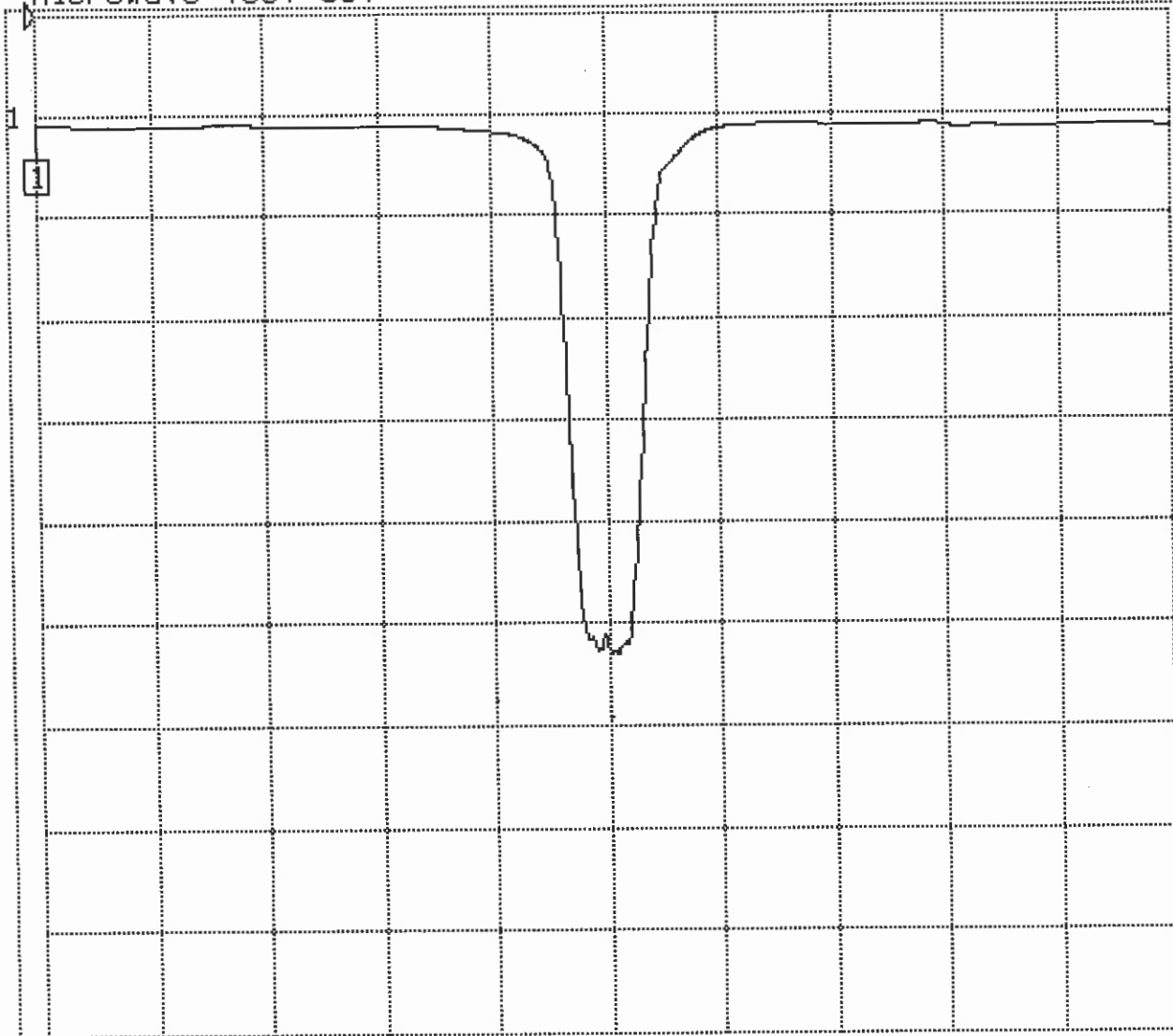
Self Test Results:

+3.0 VDC Power Supply Voltage = +03.0V Pass  
+3.3 VDC Power Supply Voltage = +03.3V Pass  
+5.0 VDC Power Supply Voltage = +04.9V Pass  
+15.0 VDC Power Supply Voltage = +15.0V Pass  
-15.0 VDC Power Supply Voltage = -15.1V 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
4000.000	-0.375	39.8	-1.0	Pass
5400.000	1.125	41.3	-1.3	Pass
6800.000	1.875	44.3	-1.5	Pass
8200.000	2.250	48.0	-1.6	Pass
9600.000	1.500	52.5	-2.0	Pass
11000.000	1.500	54.0	-2.3	Pass
12400.000	2.625	53.3	-2.1	Pass
13800.000	2.250	57.0	-2.1	Pass
15200.000	1.125	56.3	-2.7	Pass
16600.000	-1.125	59.3	-2.7	Pass
18000.000	-2.250	60.0	-2.5	Pass

Verification Test Status: Pass



1:A PC1 S

dB

1 -1.18 dB

+10.00 dB 10.00 dB/

Cntr 4.00000 GHz

1 3.70000 GHz

Span 600.000 MHz

MARKER POSITION

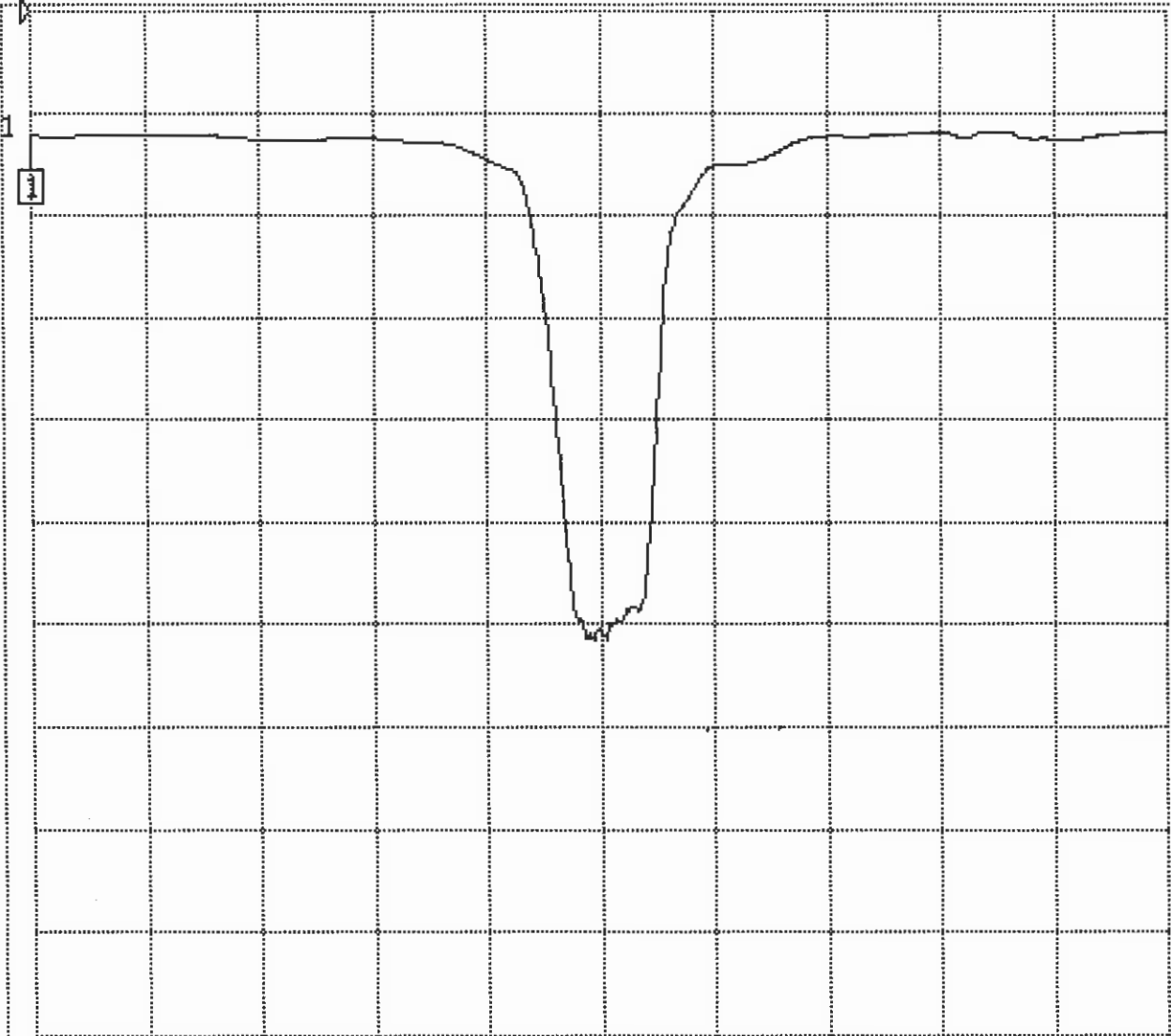
1: (dB)

MARKER POSITION

1: (dB)

1 3.70000 GHz

-1.18



1:A PC1 S

dB

1 -2.33 dB

10.00 dB 10.00 dB/

Cntr 11.0000 GHz

1 10.7000 GHz

Span 600.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 10.7000 GHz	-2.33		



1:A PC1 S

dB

1 -3.85 dB

Δ +10.00 dB 10.00 dB/

Cntr 18.0000 GHz

1 17.7000 GHz

Span 600.000 MHz

MARKER POSITION	1: (dB)	MARKER POSITION	1: (dB)
1 17.7000 GHz	-3.85		