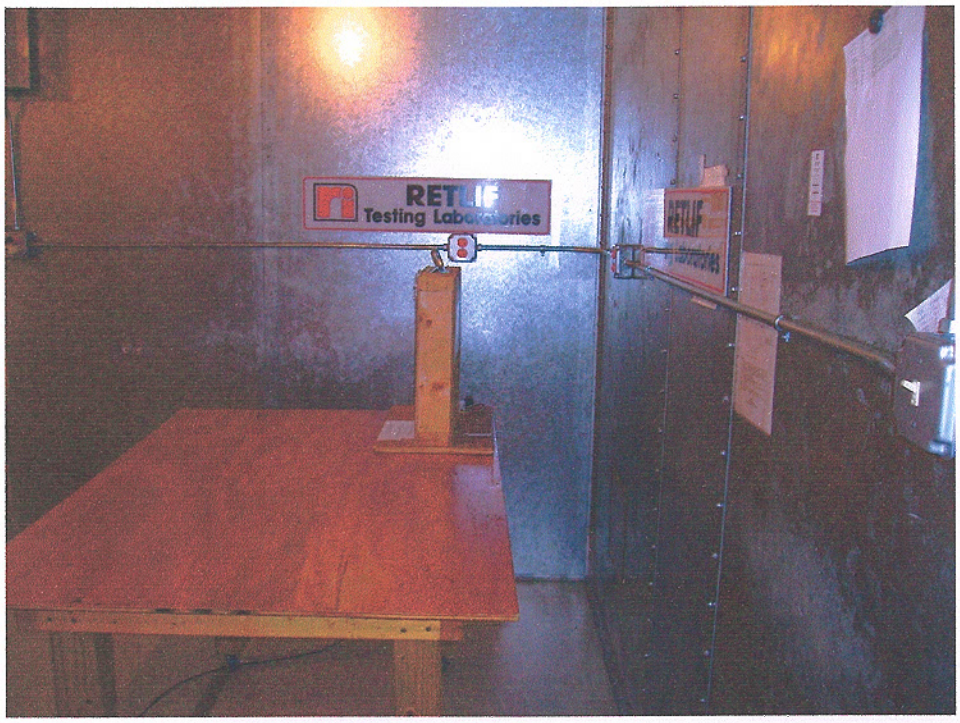
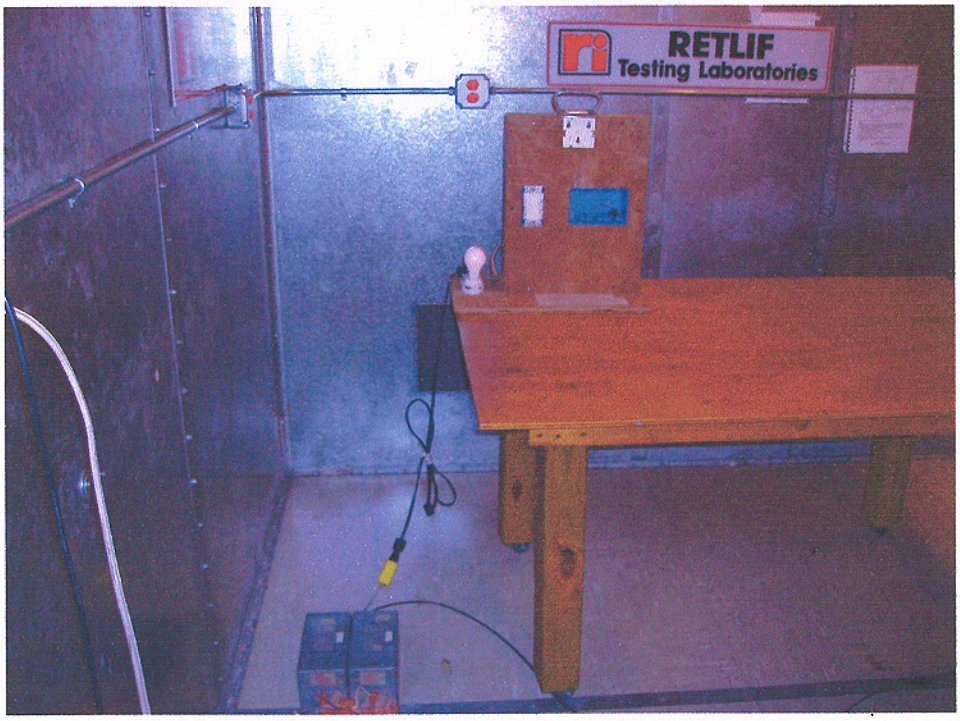




Conducted Emissions Test Setup Photographs
Figure 2

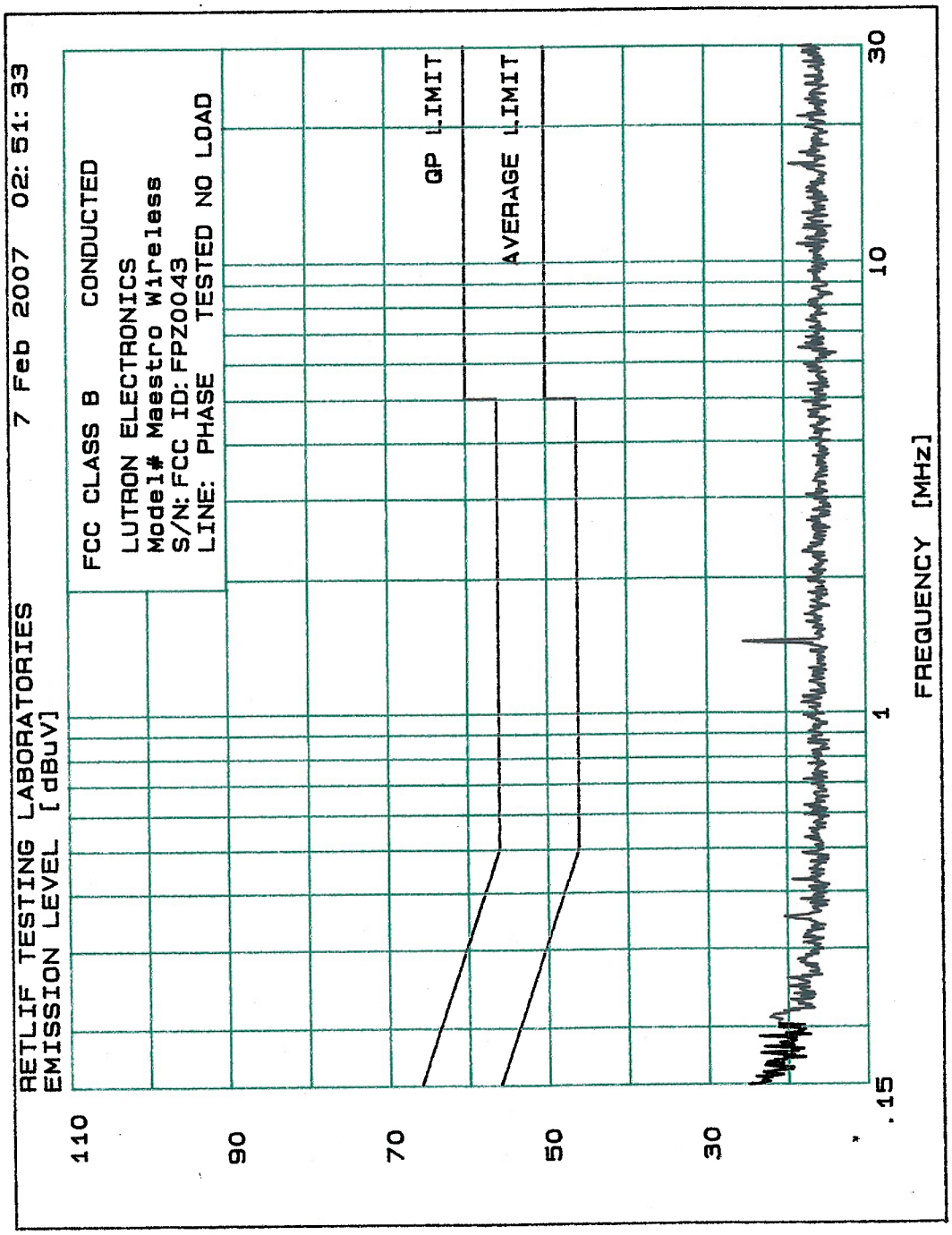

RETLIF TESTING LABORATORIES
EMISSION LEVEL [dBuV]
7 Feb 2007 02:51:33
FCC CLASS B CONDUCTED
LUTRON ELECTRONICS
Model# Maestro Wireless
S/N: FCC ID: FPZ0043
LINE: PHASE TESTED NO LOAD
QP LIMIT
AVERAGE LIMIT
110
90
70
50
30
.15
1
10
30
FREQUENCY [MHz]

Figure 3

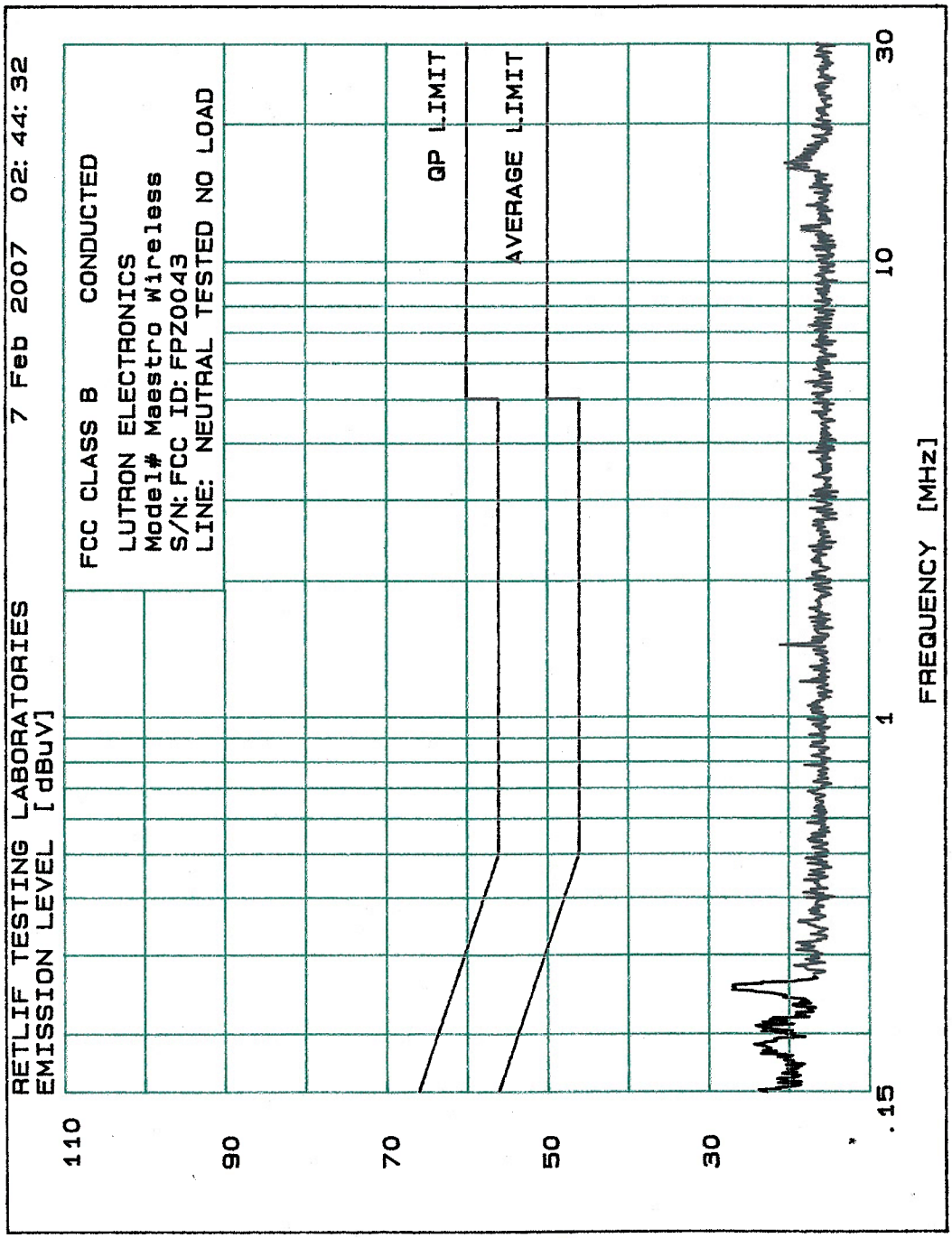

RETLIF TESTING LABORATORIES
EMISSION LEVEL [dBuV]
7 Feb 2007 02:44:32
FCC CLASS B CONDUCTED
LUTRON ELECTRONICS
Model# Maestro Wireless
S/N: FCC ID: FPZ0043
LINE: NEUTRAL TESTED NO LOAD
QP LIMIT
AVERAGE LIMIT
110
90
70
50
30
.15
1
10
30
FREQUENCY [MHz]

Figure 4

4.2 Radiated Emissions Measurements, §15.33, §15.35, §15.109, §15.205, §15.209, §15.231

Radiated Emissions measurements were recorded for the test sample at a distance of 3 meters. Radiated Emissions were measured with the antenna in both the horizontal and vertical polarizations. The antenna was raised 1 to 4 meters in height and the **EUT** (Equipment Under Test) was rotated 360° to maximize the emission. No significant emission level changes occurred while positioning the **EUT** power cable.

For intentional radiators the field strength of emissions of the **EUT** was measured out to the tenth harmonic of the carrier frequency. The carrier frequency was set to 390MHz.

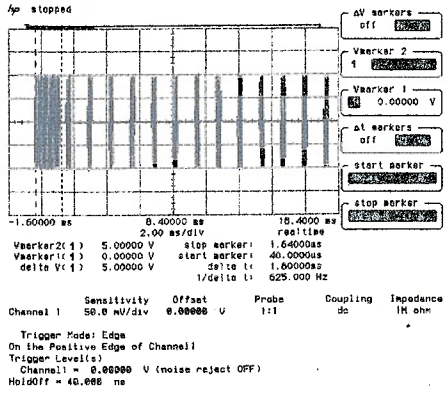
An average factor -23.5dB was applied to the level of the fundamental emission when compared to the **FCC** limit. The **EUT** duty cycle information supporting the -23.5dB factor is shown in Figure 5.

Figure 6 is a test setup diagram for Radiated Emissions and Figure 7 (Receiver) and Figure 8 (Transmitter) are the photographs of the test setup.

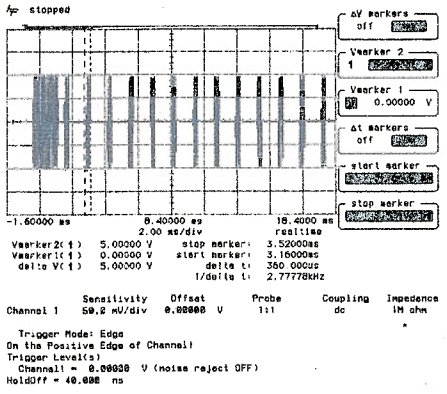
The test results for Radiated Emissions testing are shown in the following figures:

FIGURE 9/10	Unintentional Radiated Emissions Data Sheets, (AM) Rx Mode, 390MHz
FIGURE 11	Unintentional Radiated Emissions Graph, (AM) Rx Mode, 390MHz
FIGURE 12/13	Unintentional Radiated Emissions Data Sheets, (AM) Tx Mode, 390MHz
FIGURE 14	Unintentional Radiated Emissions Graph, (AM) Tx Mode, 390MHz
FIGURE 15	Intentional Radiated Emissions Data Sheet, (AM) Tx Mode, 390MHz, EUT Position 1
FIGURE 16	Intentional Radiated Emissions Data Sheet, (AM) Tx Mode, 390MHz, EUT Position 2
FIGURE 17	Intentional Radiated Emissions Data Sheet, (AM) Tx Mode, 390MHz, EUT Position 3

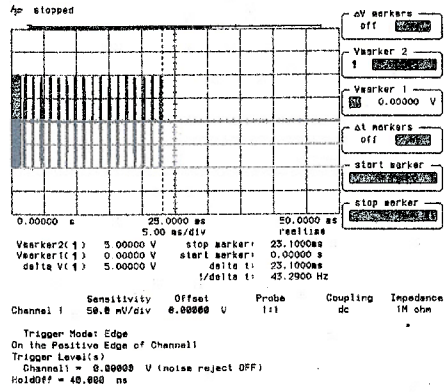
ALL LEVELS COMPLY WITH THE APPLICABLE FCC LIMITS PART 15 CLASS B AND C FOR RADIATED EMISSIONS PER THE APPLICABLE PARAGRAPHS.



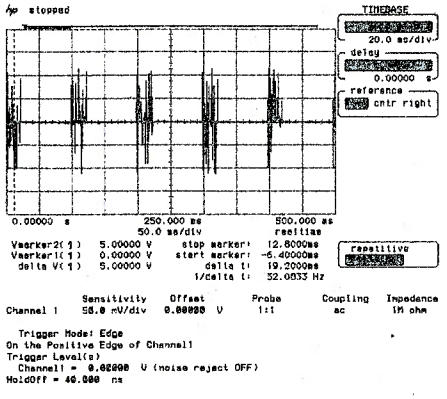
Marker On Wide Pulse Width



Marker On Narrow Pulse Width



Complete "ON" Pulse Train

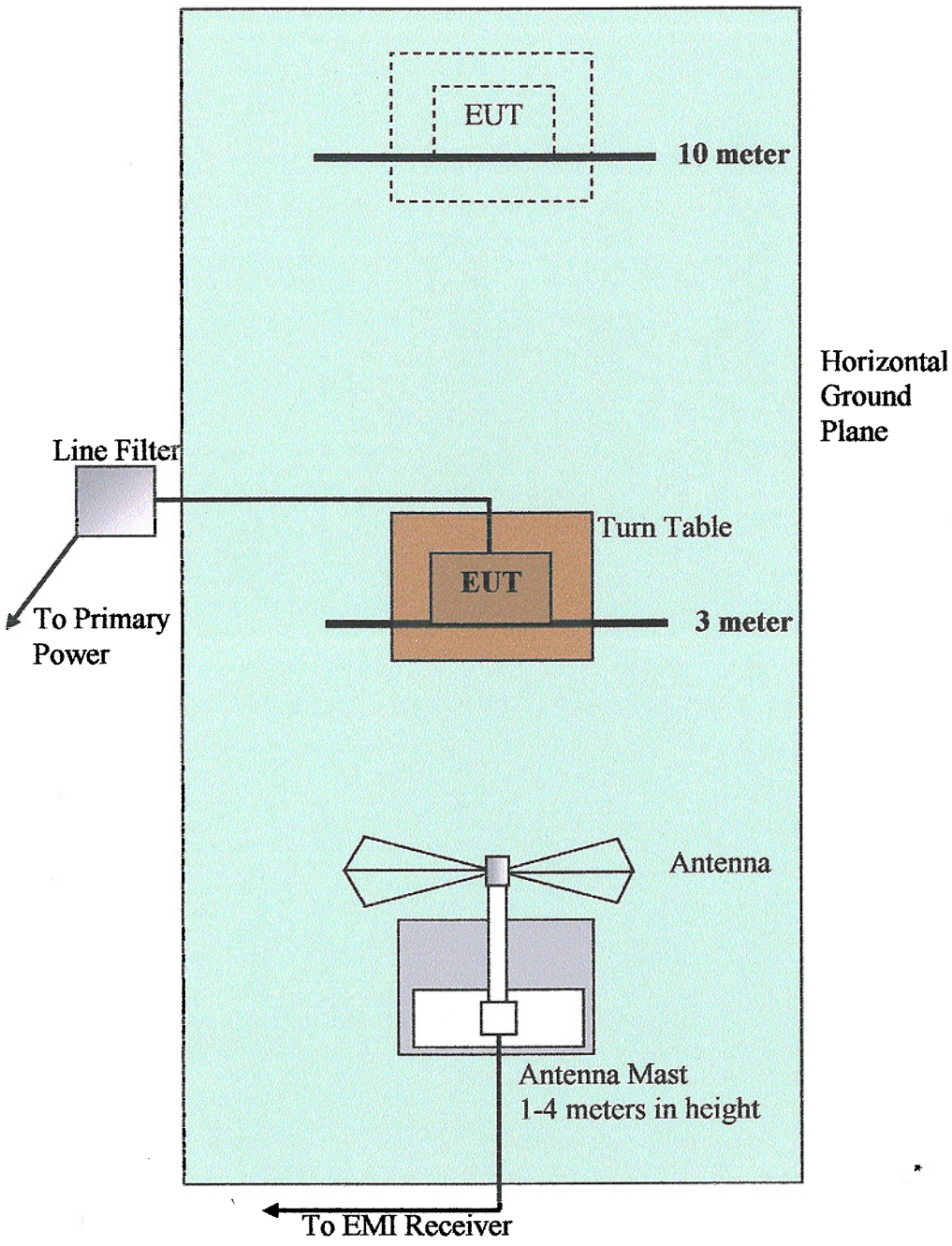


EUT Transmitter Signal Multiple Periods

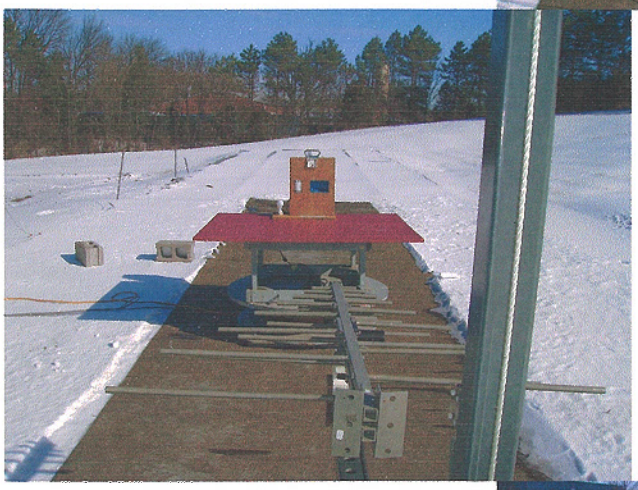
Duty Cycle Correction Factor Calculation:

Total Number of Pulses counted in 100ms
Total Time On = 6.66ms
Duty Cycle Correction Factor = 20 log [Time On / (Time On + Time Off)]
= 20 log [6.66ms / 100ms]
= 20 log [.0666]
= -23.5dB

Figure 5



Radiated Emissions Test Setup Diagram
Figure 6



Radiated Emissions Test Setup (Receiver) Photographs
Figure 7

Radiated Emissions Test Setup in 3 Orthogonal Axis (Transmitter)
Photographs
Figure 8

Company: Lutron Electronics
Model #: Maestro Receiver UNIT#1
Fund. Freq.: 390MHz
Mode: Rx (AM)

Test Personnel: J. Kavalusky JK
Date: 2/17/07

Radiated Emissions for UnIntentional Radiators

Frequency (MHz)	Polarity	Antenna Height (Meters)	Azimuth (Degrees)	*Indicated Level (dBuV)	Antenna Factor (dB)	Pre-Amp Gain Factor (dB)	Cable Loss (dB)	Averaging Factor (dB)	Field Strength @ 3m (dBuV/m)	Limits @ 3m (dBuV/m)	Margin (dB)
30	Vert	1.00	0	6.4	12.9	0.0	0.5	0.0	19.8	40.00	-20.2
60	Vert	1.00	0	7.0	9.4	0.0	0.7	0.0	17.1	40.00	-22.9
120.0	Vert	1.00	0	4.4	11.1	0.0	1.0	0.0	16.50	43.50	-27.0
200.0	Vert	1.00	0	1.4	14.6	0.0	1.2	0.0	17.2	43.50	-26.3
700	Vert	1.00	0	3.7	21.5	0.0	2.9	0.0	28.1	46.00	-17.9
1000	Vert	1.00	0	4.4	24.2	0.0	3.8	0.0	32.4	54.00	-21.6

* Indicated Level are noise floor.

Figure 9

Company: Lutron Electronics
Model # Maestro Receiver UNIT#1
Fund. FREQ. 390MHz.
Mode:Rx (AM)

Test Personnel: J. Kavalusky JK
Date:2/17/07

Radiated Emissions for UnIntentional Radiators

Frequency (MHz)	Polarity	Antenna Height (Meters)	Azimuth (Degrees)	*Indicated Level (dBuV)	Antenna Factor (dB)	Pre-Amp Gain Factor (dB)	Cable Loss (dB)	Averaging Factor (dB)	Field Strength @ 3m (dBuV/m)	Limits @ 3m (dBuV/m)	Margin (dB)
30	Horiz	1.0	0.0	1.4	13.9	0.0	0.5	0.0	15.8	40.00	-26.1
60	Horiz	1.0	0.0	6.8	9.4	0.0	0.7	0.0	16.9	40.00	-25.0
120.0	Horiz	1.0	0.0	7.0	11.0	0.0	1.0	0.0	19.0	43.50	-22.6
200.0	Horiz	1.0	180	7.5	14.0	0.0	1.2	0.0	22.7	43.50	-20.8
700	Horiz	1.0	0.0	3.9	21.6	0.0	2.9	0.0	28.4	46.00	-32.4
1000	Horiz	1.0	0.0	4.4	24.6	0.0	3.8	0.0	32.8	54.00	-29.1

* Indicated Level are noise floor.

Figure 10

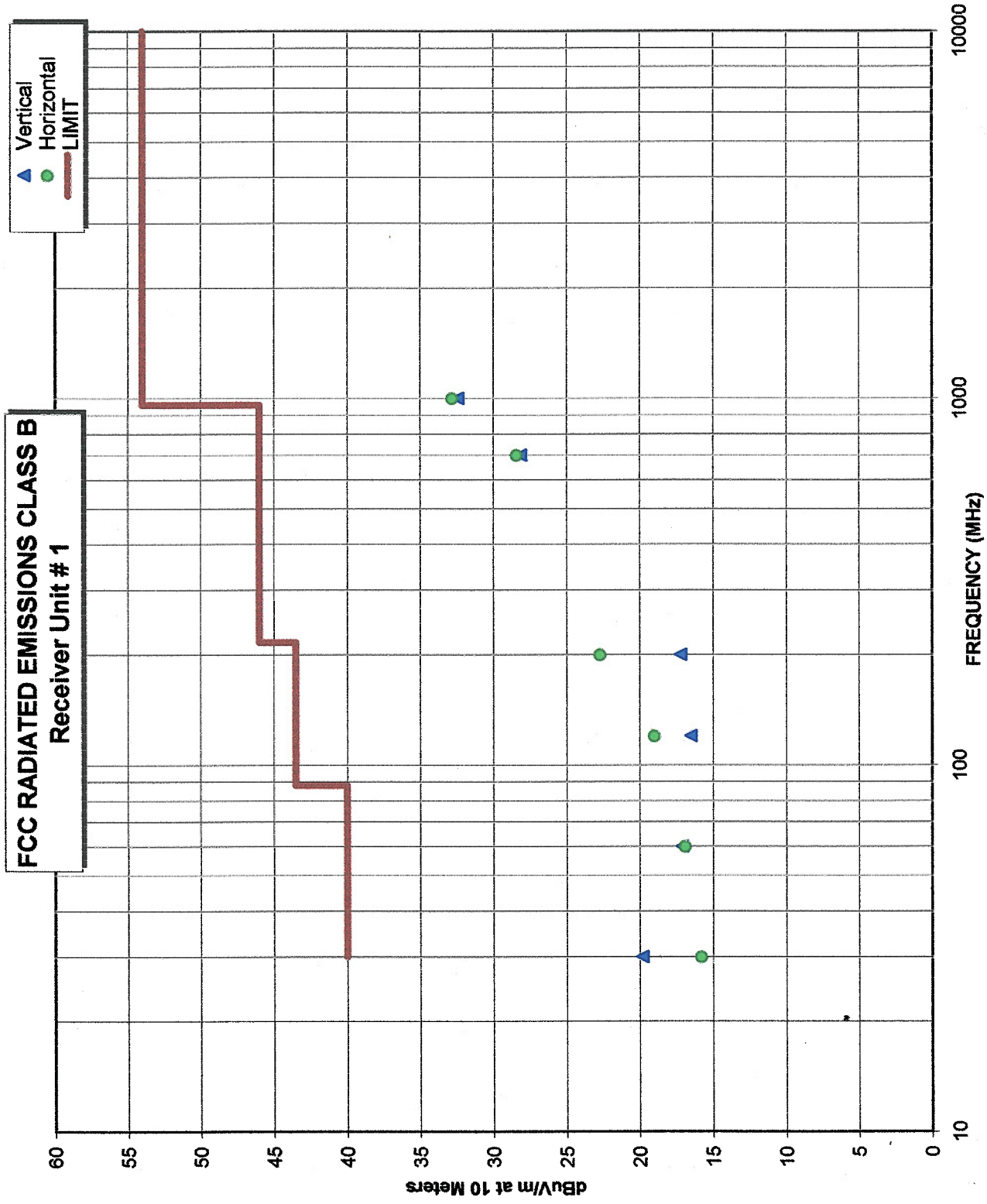

FCC RADIATED EMISSIONS CLASS B
Receiver Unit # 1
Vertical
Horizontal
LIMIT
dBuV/m at 10 Meters
60
55
50
45
40
35
30
25
20
15
10
5
0
FREQUENCY (MHz)
10
100
1000
10000

Figure 11