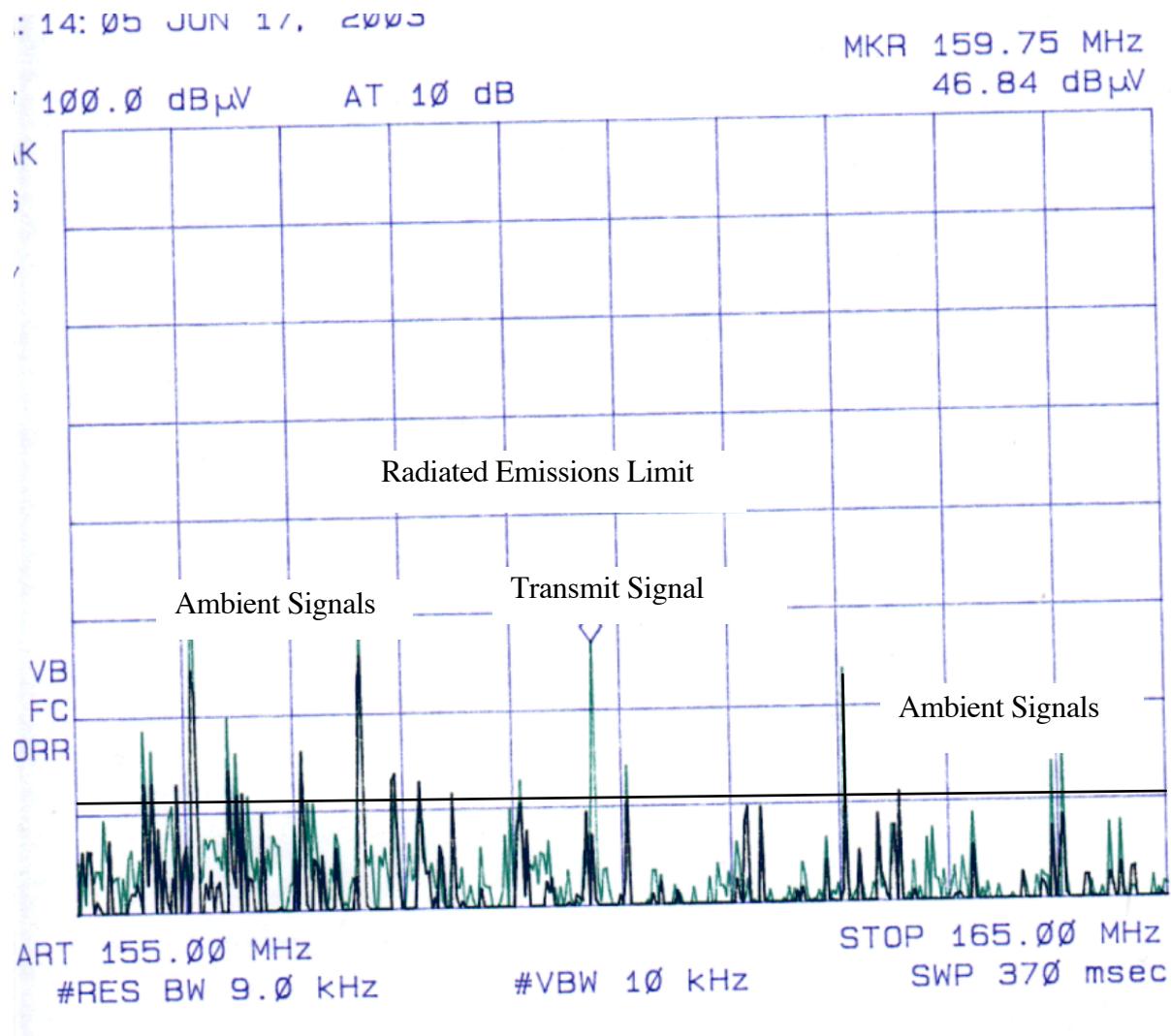
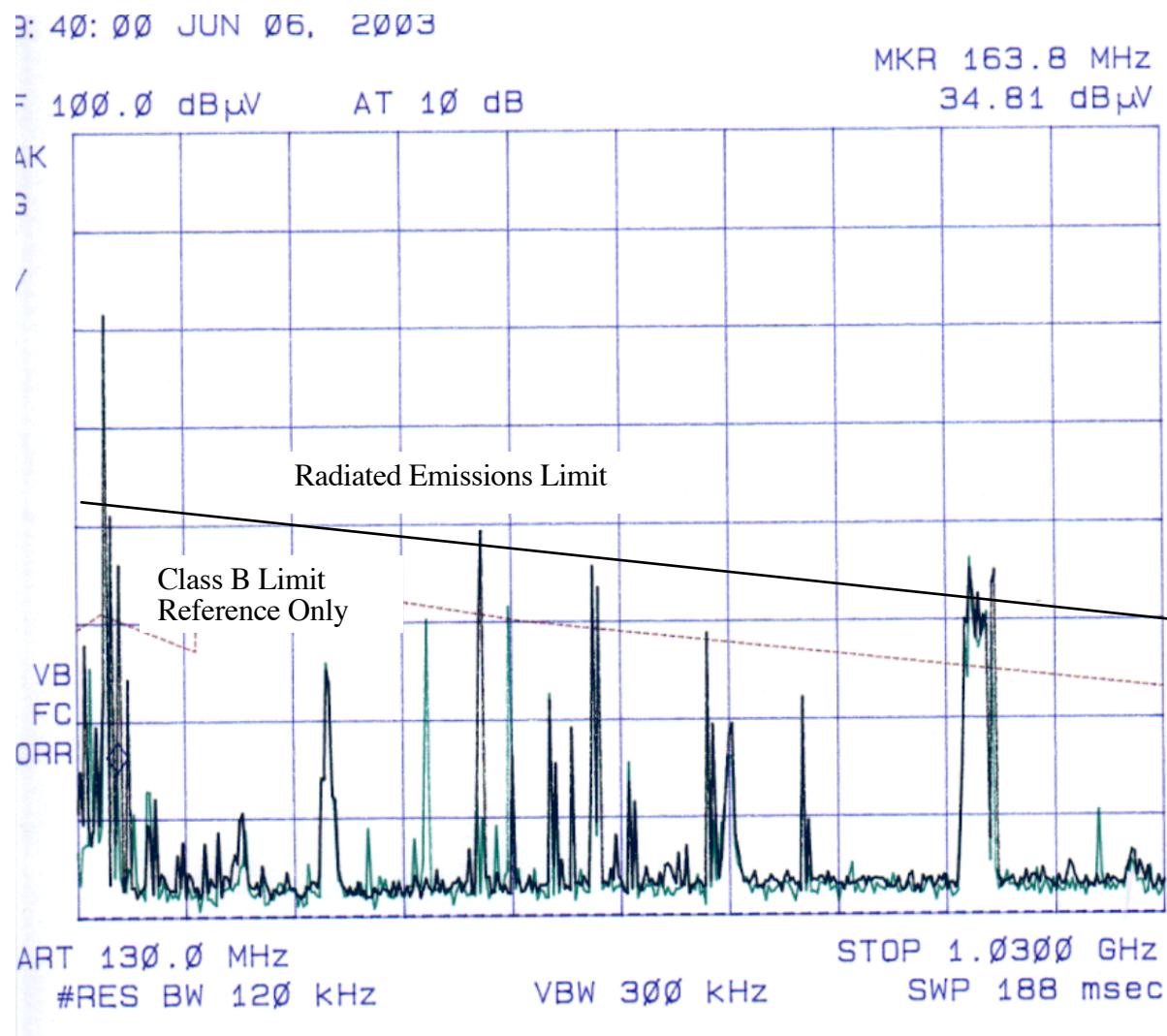


**IX. EMC Measurement Results Cont'd:****2. Radiated Emissions – Data.**

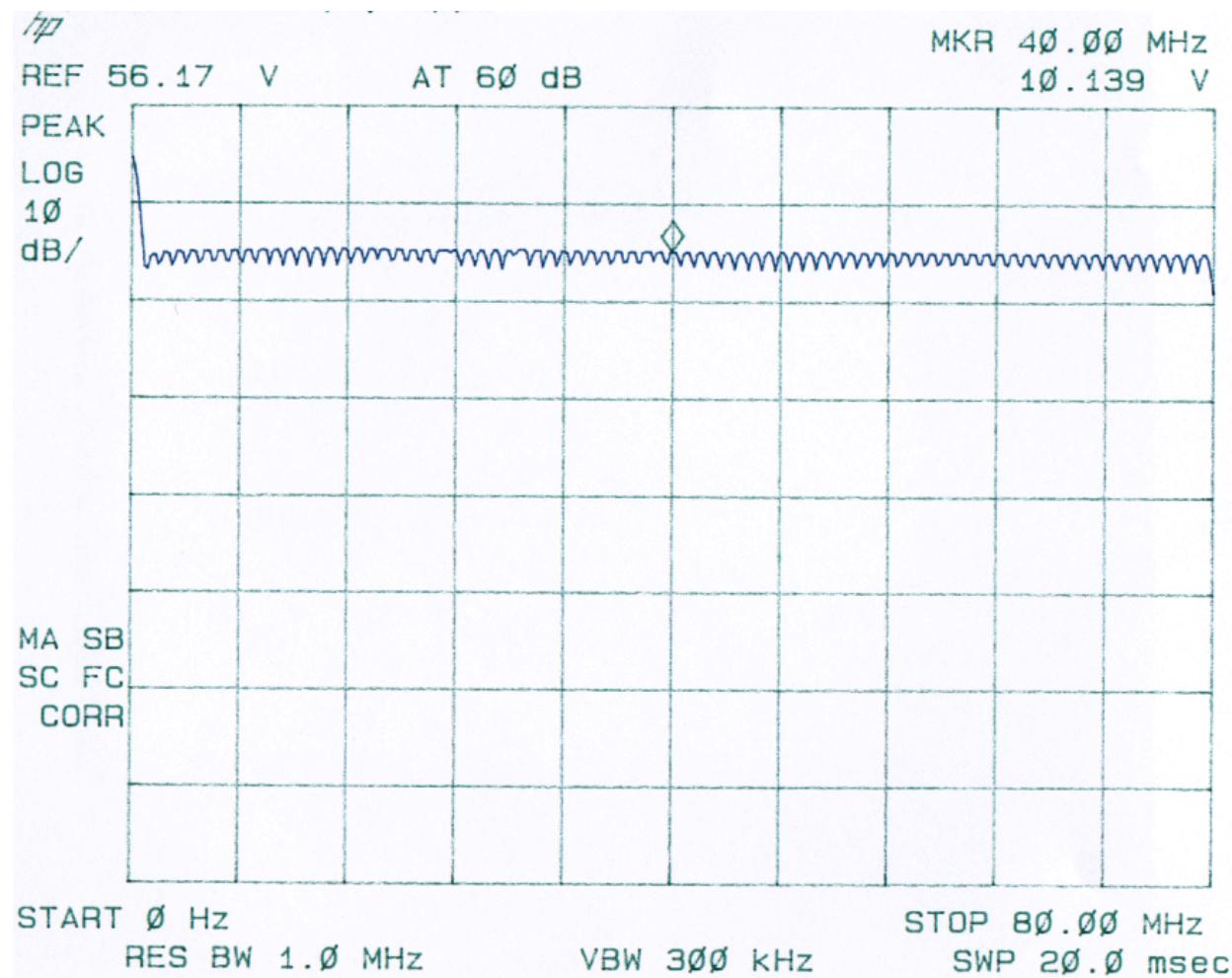
**IX. EMC Measurement Results Cont'd:****2. Radiated Emissions – Data.**

## **IX. EMC Measurement Results Cont'd:**

### **3. Conducted Immunity – Data.**

The system exhibits no susceptibility to 10-V conducted signals amplitude modulated at 400 Hz, 80%, applied directly to the power lines from 10 kHz to 80 MHz. Frequencies listed are samples; sweep rate is < 1.5 decade/s and dwell > EUT response time. The following page contains the spectrum analyzer output from device calibration.

Frequency (MHz)	Voltage	Evaluation	Criteria	Spec.	Result
0.010	10	PC Display	Disrupt Operation	A	A
0.070	10	PC Display	Disrupt Operation	A	A
0.150	10	PC Display	Disrupt Operation	A	A
0.500	10	PC Display	Disrupt Operation	A	A
0.750	10	PC Display	Disrupt Operation	A	A
1	10	PC Display	Disrupt Operation	A	A
2	10	PC Display	Disrupt Operation	A	A
3	10	PC Display	Disrupt Operation	A	A
5	10	PC Display	Disrupt Operation	A	A
10	10	PC Display	Disrupt Operation	A	A
15	10	PC Display	Disrupt Operation	A	A
20	10	PC Display	Disrupt Operation	A	A
25	10	PC Display	Disrupt Operation	A	A
30	10	PC Display	Disrupt Operation	A	A
35	10	PC Display	Disrupt Operation	A	A
40	10	PC Display	Disrupt Operation	A	A
45	10	PC Display	Disrupt Operation	A	A
50	10	PC Display	Disrupt Operation	A	A
55	10	PC Display	Disrupt Operation	A	A
60	10	PC Display	Disrupt Operation	A	A
65	10	PC Display	Disrupt Operation	A	A
70	10	PC Display	Disrupt Operation	A	A
75	10	PC Display	Disrupt Operation	A	A
80	10	PC Display	Disrupt Operation	A	A

**IX. EMC Measurement Results Cont'd:****3. Conducted Immunity – Calibration.**

Applied High-Frequency Conducted Immunity Voltage

### **3. Conducted Immunity – Data.**

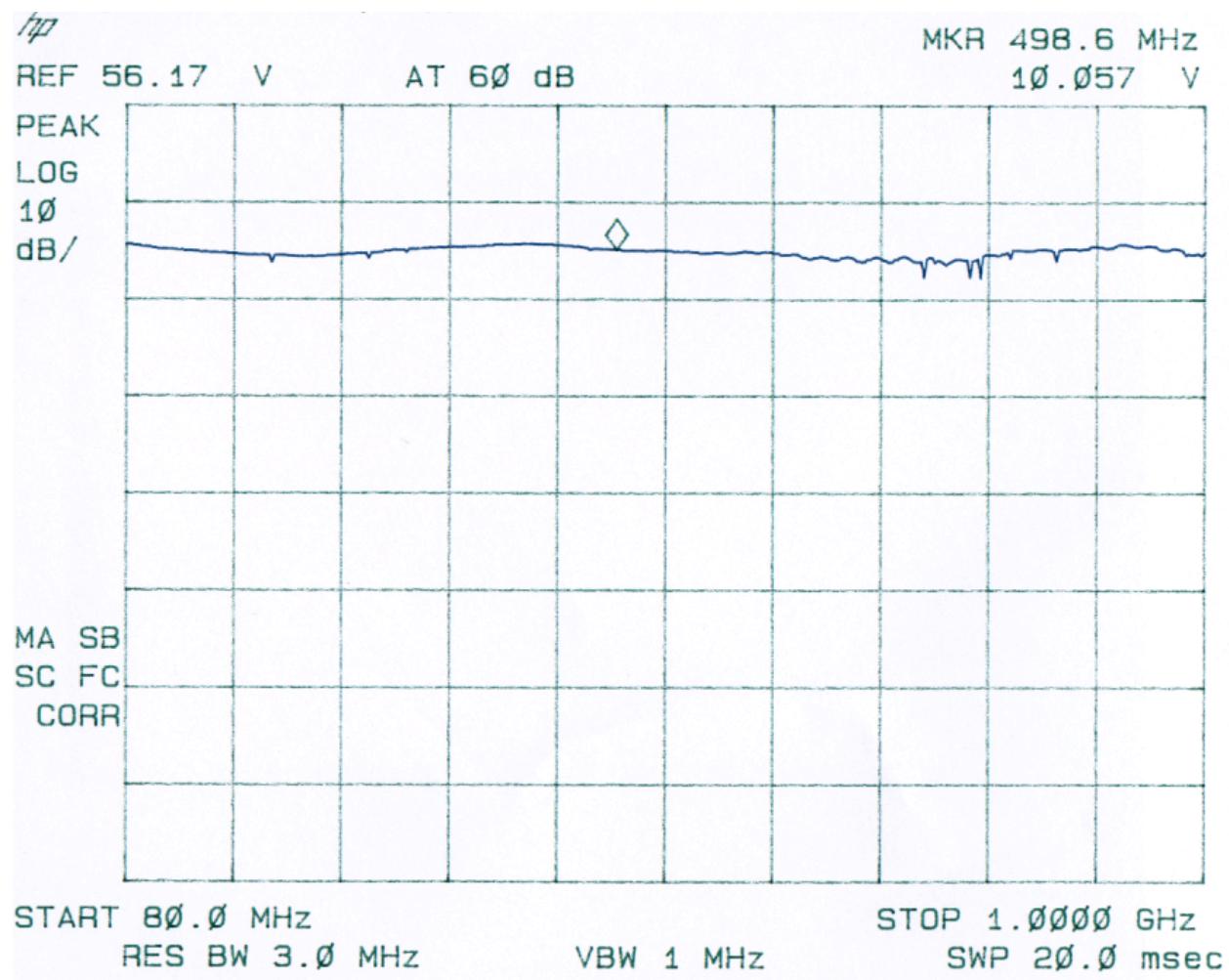
The system exhibits no susceptibility to 10-V conducted signals amplitude modulated at 400 Hz, 80%, applied to signal and data lines from 10 kHz to 80 MHz. Frequencies listed are samples; sweep rate is < 1.5 decade/s and dwell > EUT response time.

Frequency (MHz)	Voltage	Evaluation	Criteria	Spec.	Result
0.010	10	PC Display	Disrupt Operation	A	A
0.070	10	PC Display	Disrupt Operation	A	A
0.150	10	PC Display	Disrupt Operation	A	A
0.500	10	PC Display	Disrupt Operation	A	A
0.750	10	PC Display	Disrupt Operation	A	A
1	10	PC Display	Disrupt Operation	A	A
2	10	PC Display	Disrupt Operation	A	A
3	10	PC Display	Disrupt Operation	A	A
5	10	PC Display	Disrupt Operation	A	A
10	10	PC Display	Disrupt Operation	A	A
15	10	PC Display	Disrupt Operation	A	A
20	10	PC Display	Disrupt Operation	A	A
25	10	PC Display	Disrupt Operation	A	A
30	10	PC Display	Disrupt Operation	A	A
35	10	PC Display	Disrupt Operation	A	A
40	10	PC Display	Disrupt Operation	A	A
45	10	PC Display	Disrupt Operation	A	A
50	10	PC Display	Disrupt Operation	A	A
55	10	PC Display	Disrupt Operation	A	A
60	10	PC Display	Disrupt Operation	A	A
65	10	PC Display	Disrupt Operation	A	A
70	10	PC Display	Disrupt Operation	A	A
75	10	PC Display	Disrupt Operation	A	A
80	10	PC Display	Disrupt Operation	A	A

**IX. EMC Measurement Results Cont'd:****4. Radiated Immunity – Data.**

The system exhibits no susceptibility to 10-V/m radiated electric fields, amplitude modulated at 400 Hz, 80%, from 80 MHz to 2 GHz. Frequencies listed are samples; sweep rate is < 1.5 decade/s and dwell > EUT response time. The following page contains the spectrum analyzer output from device calibration.

Frequency (MHz)	Voltage (V)	Evaluation	Criteria	Spec.	Result
80	10	PC Display	Disrupt Operation	A	A
100	10	PC Display	Disrupt Operation	A	A
120	10	PC Display	Disrupt Operation	A	A
140	10	PC Display	Disrupt Operation	A	A
160	10	PC Display	Disrupt Operation	A	A
180	10	PC Display	Disrupt Operation	A	A
200	10	PC Display	Disrupt Operation	A	A
250	10	PC Display	Disrupt Operation	A	A
300	10	PC Display	Disrupt Operation	A	A
350	10	PC Display	Disrupt Operation	A	A
400	10	PC Display	Disrupt Operation	A	A
450	10	PC Display	Disrupt Operation	A	A
500	10	PC Display	Disrupt Operation	A	A
600	10	PC Display	Disrupt Operation	A	A
700	10	PC Display	Disrupt Operation	A	A
800	10	PC Display	Disrupt Operation	A	A
900	10	PC Display	Disrupt Operation	A	A
1000	10	PC Display	Disrupt Operation	A	A
1200	10	PC Display	Disrupt Operation	A	A
1400	10	PC Display	Disrupt Operation	A	A
1600	10	PC Display	Disrupt Operation	A	A
1800	10	PC Display	Disrupt Operation	A	A
2000	10	PC Display	Disrupt Operation	A	A

**IX. EMC Measurement Results Cont'd:****4. Radiated Immunity – Calibration.**

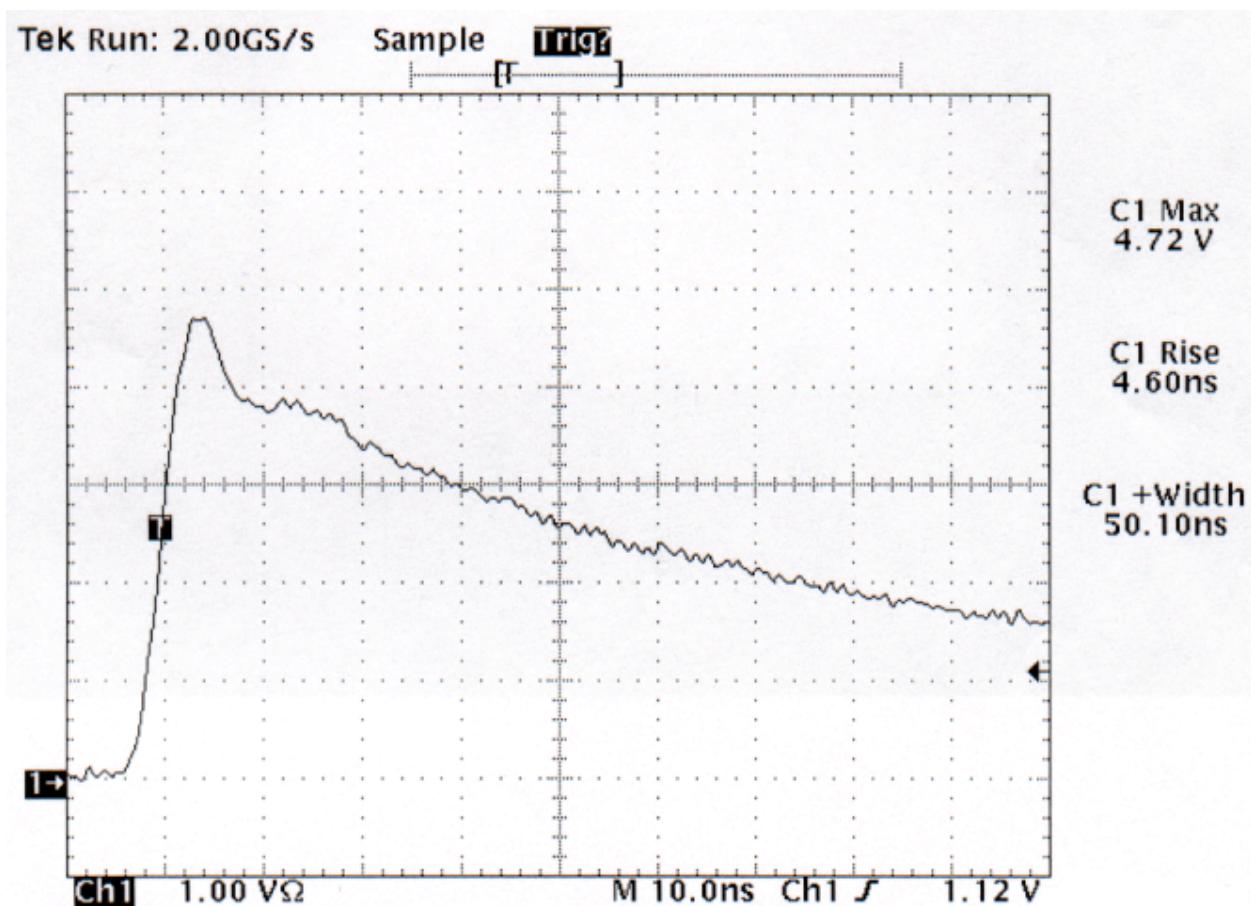
Applied Radiated Immunity Voltage

**IX. EMC Measurement Results Cont'd:****5. Transient Immunity – Data.**

The system exhibits no susceptibility to 1-kV transients applied capacitively to the signal, power and control lines. One-kV transients are 15 ms in duration, delivered in 5-kHz bursts every 300 ms.

The following page contains the applied waveform output from device calibration.

Level	Voltage	Application Port	Polarity and Duration	Spec.	Result
1	500	Clamp Power Lines	Plus/3 Minutes	B	A
2	1000	Clamp Power Lines	Plus/3 Minutes	B	A
1	500	Clamp Power Lines	Minus/3 Minutes	B	A
2	1000	Clamp Power Lines	Minus/3 Minutes	B	A
1	500	Clamp Data Lines	Plus/3 Minutes	B	A
2	1000	Clamp Data Lines	Plus/3 Minutes	B	A
1	500	Clamp Data Lines	Minus/3 Minutes	B	A
2	1000	Clamp Data Lines	Minus/3 Minutes	B	A

**IX. EMC Measurement Results Cont'd:****5. Transient Immunity – Calibration.**

Applied Electrical Fast Transient Waveform