APPENDIX D – Test Data

Summary of Test Results

Test Date(s): August 8, 2005

Test Engineer: Alfred Cirwithian

Table D-1. Summary of Test Results

FCC Part 15 Section	Description	Result
15.107	Conducted Emissions	PASS
15.109	Radiated Spurious Emissions	PASS

APPENDIX D – Test Data (Cont.)

Radiated Test Data/Plots

FREQ (MHz)	Level (dBm)	AFCL (dB/m)	POL (H/V)	Height (m)	Azimuth (° angle)	F/S (uV/M)	Margin (dB)
35.87	-75.40	0.21	H	2.7	10	38.95	-8.2
39.32	-74.33	1.04	H	2.6	10	48.47	-6.3
75.00	-82.40	6.90	V	2.5	90	37.63	-8.5
88.52	-78.83	8.44	V	2.2	300	67.66	-6.9
136.38	-87.51	12.71	H	1.3	180	40.79	-11.3
199.23	-86.96	16.46	H	1.6	310	66.88	-7.0

Table D-2. Radiated Measurements at 3-meters

Sample #1 S/N: F798D102

NOTES:

1. All modes of operation were investigated and the worst-case emissions are reported.

2. The radiated limits are shown on Figure A-1. Above 1 GHz the limit is 500µV/m.

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1 All readings are calibrated by HP8640B signal generator with accuracy traceable to the National Institute of Standards and Technology (NIST).

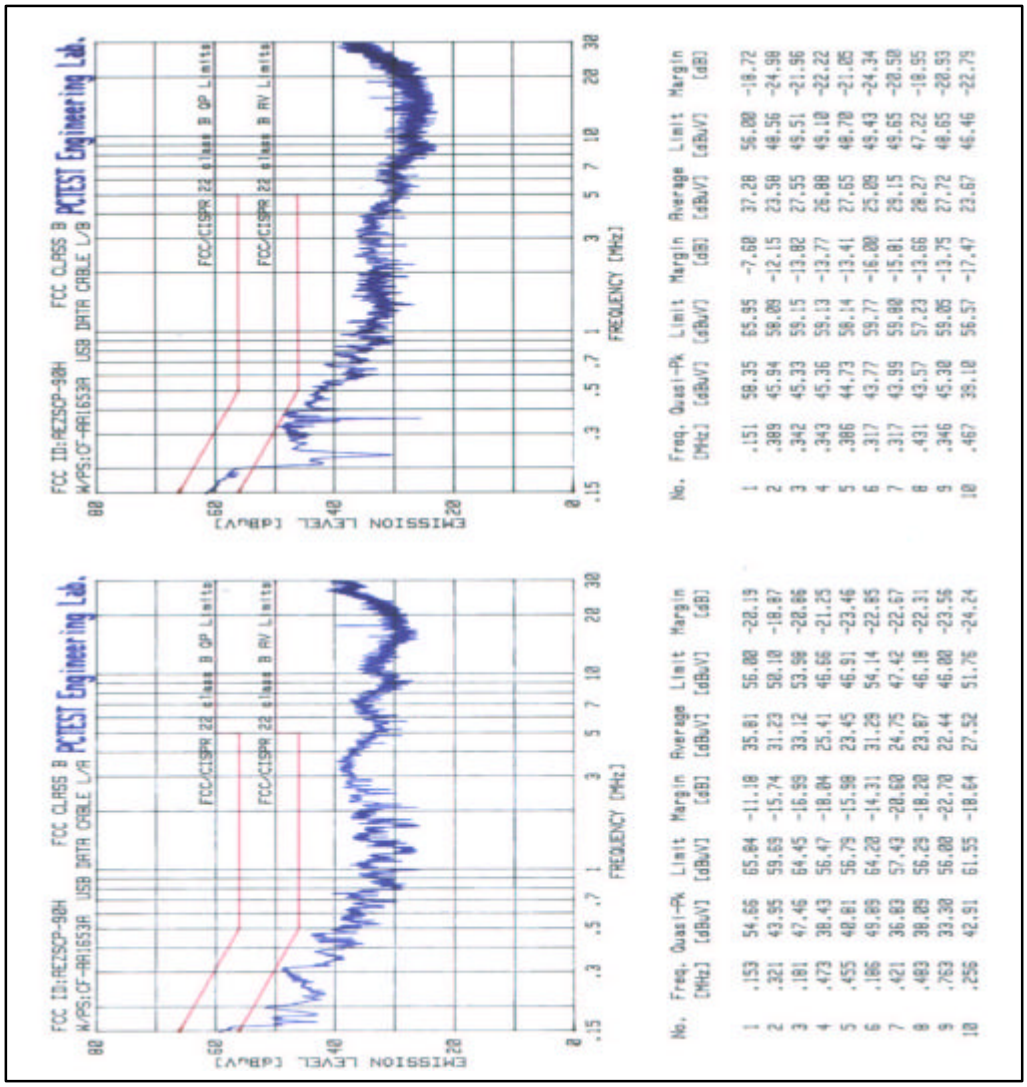
2 AFCL = Antenna Factor (Roberts dipole) and Cable Loss (30 ft. RG58C/U).

3 Measurements using CISPR quasi-peak mode. Above 1GHz, peak detector function mode is used with a resolution bandwidth of 1MHz and a video bandwidth of 1MHz. The peak level complies with the average limit. Peak mode is used with linearly polarized horn antenna and low-loss microwave cable.

APPENDIX D – Test Data (Cont.)

Line-Conducted Test Data

Plot D-1. Line-Conducted Test Plot



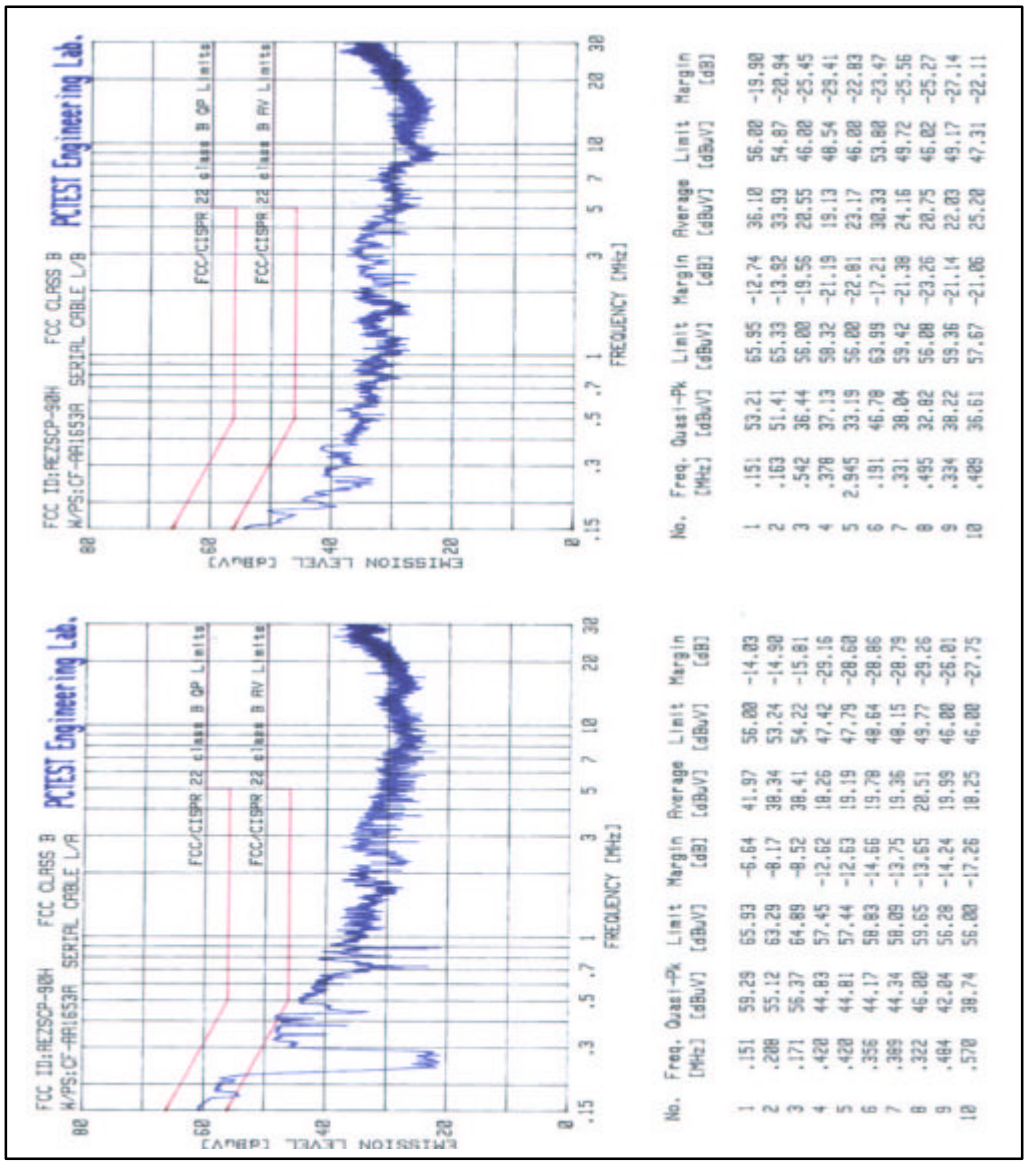
Notes:

1. All Modes of operation were investigated and the worst-case emissions are reported.
2. The limit for Class B device(s) from 150kHz to 30MHz are specified in EN55022.
3. Line A = Phase; Line B = Neutral
4. Deviations to the Specifications: *None*.

APPENDIX D – Test Data (Cont.)

Line-Conducted Test Data

Plot D-2. Line-Conducted Test Plot



Notes:

1. All Modes of operation were investigated and the worst-case emissions are reported.
2. The limit for Class B device(s) from 150kHz to 30MHz are specified in EN55022.
3. Line A = Phase; Line B = Neutral
4. Deviations to the Specifications: *None*.

APPENDIX D – Test Data (Cont.)

Test Support Equipment Used

1. **SANYO Phone (EUT)**	**FCC ID: AEZSCP-90H** 1.5 m. Shielded USB & Serial data cable	**S/N: F798D102**
2. Panasonic Notebook PC	FCC ID: ACJ9TGCF-731A 1.6 m. Unshielded power 1.5 m. USB (Configuration 1) 1.5 m. Serial (Configuration 2)	S/N: 0031627700
3. ZOOM Modem	FCC ID: BDNV34MINI-EXT 1.5 m. Shielded data cable	S/N: 1257ZM4X1012
4. Mitsumi USB Mouse	Model: ECM-5600 1.5 m. Shielded data cable	S/N: 6634

Note: See Attachment G – Test Setup Photographs, for actual system test setup.