

FCC TEST REPORT

Report No. : EMI00-024
 Tested Date: July/14/00

Test Performed By
 Philips Electronics Industries (Taiwan) Ltd.
 Business Electronics
 EMC Lab.
 No. 5, Tze Chiang 1 Road,
 Chungli, Taoyuan, Taiwan, R.O.C.
 Tel.: + 886-3-454-9862 Fax.: +886-3-454-9887

Manufacturer : Philips Business Electronics

Tested System:

- | | |
|---------------|---------------------------------------|
| 1. EUT | : 170B1 color monitor s/n: TY0004024 |
| | FCC ID : A3KM098 |
| 2. Computer | : Artist PII 450 s/n: 4037130003 |
| | FCC ID : FCC Logo |
| 3. Keyboard | : MV-3000-R/M s/n: G-006713-K49 |
| | FCC ID : GDDQ81-3000 |
| 4. Mouse | : Logitech M-S35 s/n: LZA48813108 |
| | FCC ID : DZL211029 |
| 5. Modem | : USRoboties 268 s/n: 002680559278575 |
| | FCC ID : CJE-0318 |
| 6. Printer | : HP2225C s/n: 3123S97227 |
| | FCC ID : DSI6XU2225 |
| 7. Video Card | : ATI Range 128 PRO s/n: 024035 |
| | FCC ID : FCC Logo |

Note: Test was performed in according with FCC measurement procedure ANSI C63.4-1992
 "AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE
 EMISSION FROM LOW-VOLTAGE ELECTRONIC EQUIPMENT IN THE RANGE
 OF 9KHz TO 40GHz"

Monitor was connected to floor mounted AC outlet.
 80.0KHz mode (1280x1024/75Hz) was tested.
 D-sub I/F cable with two ferrite cores was used.
 Non-shield power cord was used during test.
 The test equipment used for testing please refer to the list as attached.

Deviation: None

Radiated RF Level – Peak Value

Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
43.19	25.02	27.52	40.0
54.01	33.54	30.84	40.0

67.49	29.61	31.21	40.0
115.18	35.2	35.0	43.5
129.6	35.8	35.6	43.5
144.0	35.8	ambient	43.5
158.39	37.0	34.3	43.5
172.8	34.69	31.79	43.5
201.59	34.7	34.7	43.5
244.079	36.4	37.8	46.0
259.19	34.35	35.75	46.0
273.59	34.36	34.66	46.0
302.4	30.30	33.0	46.0
316.8	29.76	37.56	46.0
331.2	31.14	35.34	46.0
345.58	32.03	35.4	46.0
359.98	32.8	32.9	46.0
374.38	31.0	35.4	46.0
403.18	31.63	37.03	46.0
460.78	36.26	36.66	46.0
489.58	35.18	34.58	46.0
518.39	34.74	35.34	46.0
547.19	34.58	35.88	46.0
575.98	36.61	37.21	46.0
604.78	35.76	36.86	46.0
633.58	37.56	38.26	46.0
748.78	39.31	39.51	46.0
979.18	42.48	43.08	46.0

Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

Quasi-peak Values were taken with Rohde & Schwarz ESVS 30 EMI Test receiver.

Radiated RF Level – Quasi-Peak Value

Frequency (MHz)	Horizontal (dB _V /m)	Vertical (dB _V /m)	FCC/B Limit (dB _V /m)
48.0	37.12	37.22	40.0
57.6	33.18	36.88	40.0
72.0	37.26	34.36	40.0
83.22	34.65	34.55	40.0
215.9	37.58	37.78	43.5
230.39	39.5	41.4	46.0
288.0	37.4	39.2	46.0
691.18	36.78	39.58	46.0
719.98	38.02	43.12	46.0
835.18	36.96	36.66	46.0
863.98	40.33	43.93	46.0

FCC ID: A3KM98

The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.
Test distance between device under test and receiving antenna was 3-meter.
Sample of calculation:

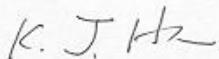
Final value (dB_B/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dB_B/m)

Tested by:

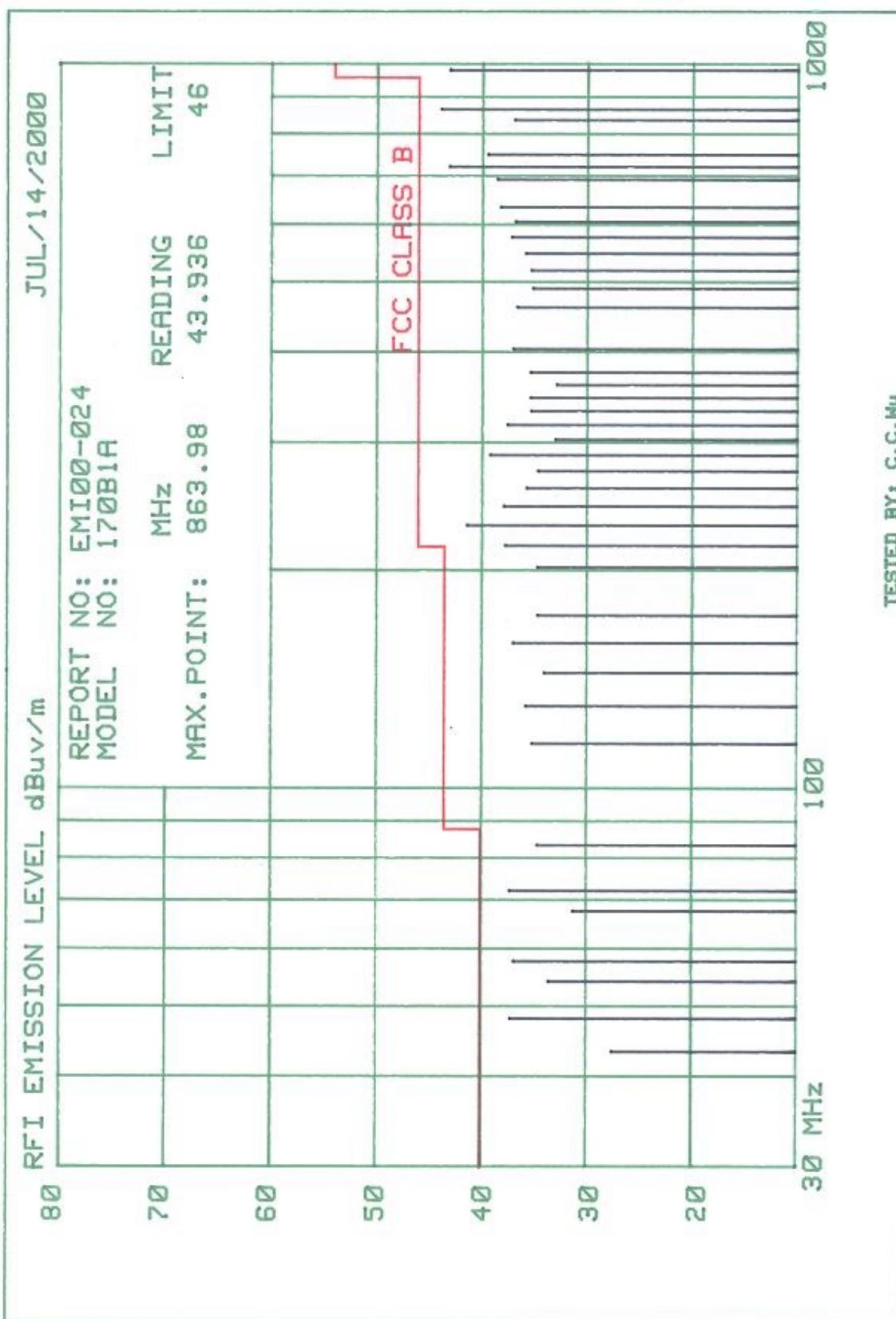


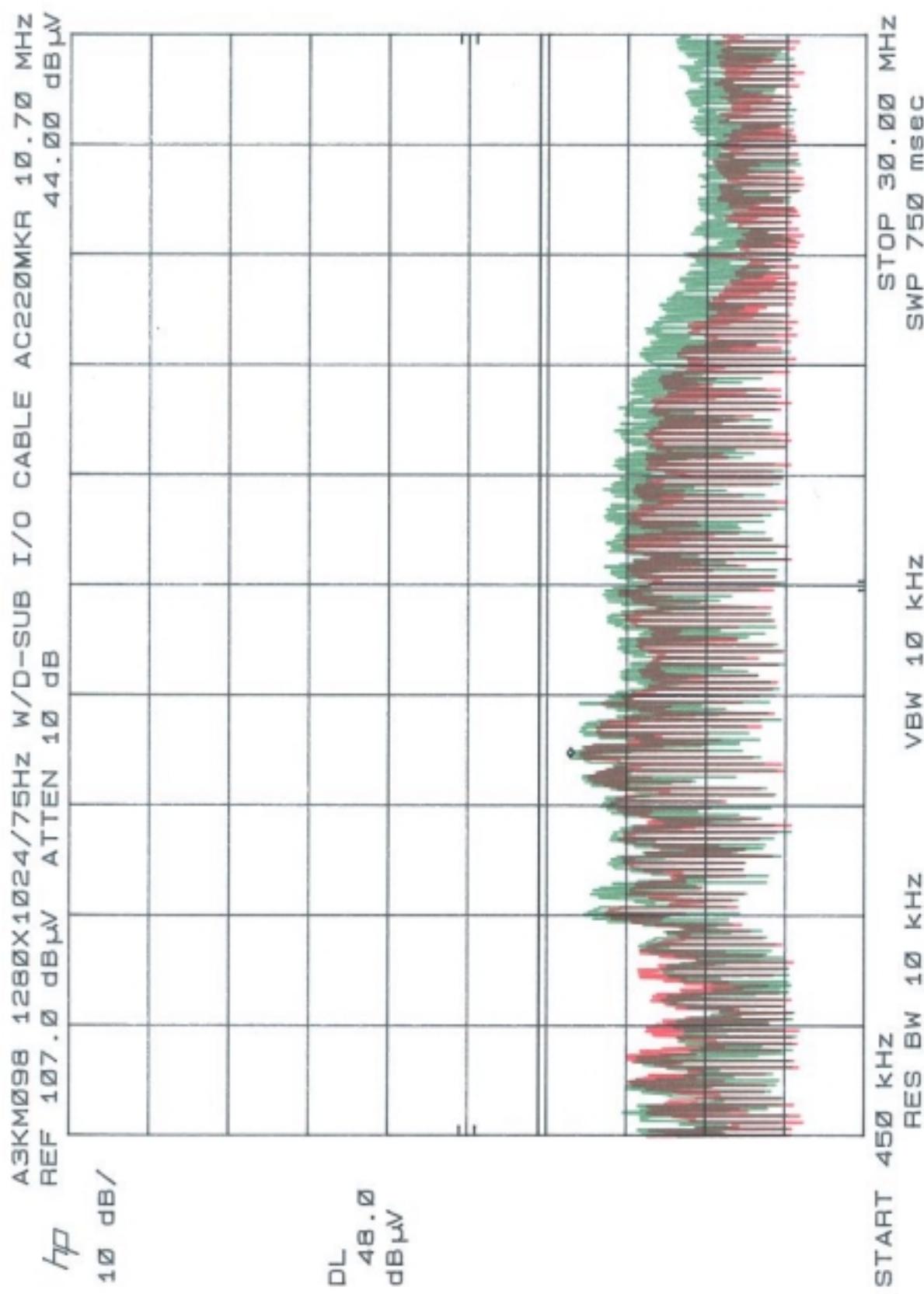
C.C. Wu

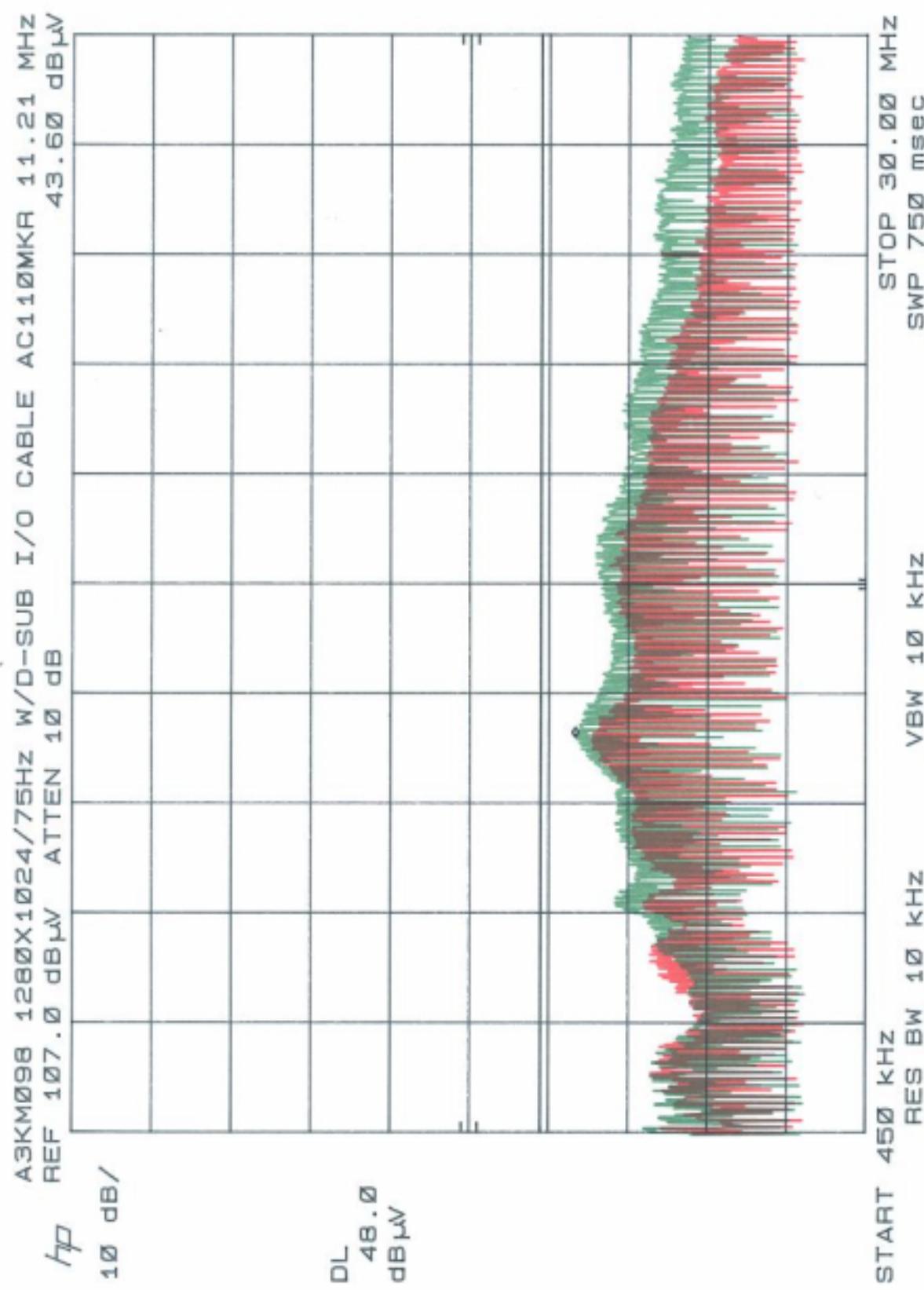
Checked by:



K.J.Hsu – EMC Engineer
NVLAP Signatory







FCC TEST REPORT

Report No. : EMI00-024A
 Tested Date: July/15/00

Test Performed By
 Philips Electronics Industries (Taiwan) Ltd.
 Business Electronics
 EMC Lab.
 No. 5, Tze Chiang 1 Road,
 Chungli, Taoyuan, Taiwan, R.O.C.
 Tel.: + 886-3-454-9862 Fax.: +886-3-454-9887

Manufacturer : Philips Business Electronics

Tested System:

- | | |
|---------------|---------------------------------------|
| 1. EUT | : 170B1 color monitor s/n: TY0004024 |
| | FCC ID : A3KM098 |
| 2. Computer | : Artist PII 450 s/n: 4037130003 |
| | FCC ID : FCC Logo |
| 3. Keyboard | : MV-3000-R/M s/n: G-006713-K49 |
| | FCC ID : GDDQ81-3000 |
| 4. Mouse | : Logitech M-S35 s/n: LZA48813108 |
| | FCC ID : DZL211029 |
| 5. Modem | : USRoboties 268 s/n: 002680559278575 |
| | FCC ID : CJE-0318 |
| 6. Printer | : HP2225C s/n: 3123S97227 |
| | FCC ID : DSI6XU2225 |
| 7. Video Card | : ATI Range 128 PRO s/n: 024035 |
| | FCC ID : FCC Logo |

Note: Test was performed in according with FCC measurement procedure ANSI C63.4-1992
 "AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE
 EMISSION FROM LOW-VOLTAGE ELECTRONIC EQUIPMENT IN THE RANGE
 OF 9KHz TO 40GHz"

Monitor was connected to floor mounted AC outlet.
 80.0KHz mode (1280x1024/75Hz) was tested.
 DVI I/F cable with two ferrite cores was used.
 Non-shield power cord was used during test.
 The test equipment used for testing please refer to the list as attached.

Deviation: None

Radiated RF Level – Peak Value

Frequency (MHz)	Horizontal (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/m)
43.18	28.42	31.12	40.0
54.02	28.14	31.54	40.0

72.0	33.26	31.76	40.0
129.59	34.0	30.8	43.5
133.19	36.23	30.43	43.5
158.39	34.0	30.8	43.5
172.79	35.39	36.49	43.5
198.0	36.18	ambient	43.5
208.8	36.0	ambient	43.5
219.59	39.2	38.6	46.0
230.39	37.4	35.3	46.0
244.79	35.3	35.1	46.0
259.19	34.35	34.75	46.0
288.0	36.1	36.7	46.0
303.75	31.21	31.41	46.0
306.22	33.42	29.42	46.0
316.78	29.66	33.16	46.0
318.24	35.87	30.57	46.0
331.18	32.04	32.34	46.0
345.58	32.9	31.4	46.0
371.28	34.6	36	46.0
396.06	36.75	37.05	46.0
403.18	34.63	34.03	46.0
444.08	33.75	34.25	46.0
460.78	34.56	39.36	46.0
472.54	34.35	36.65	46.0
489.58	33.88	35.78	46.0
518.39	34.94	36.64	46.0
575.98	35.31	37.31	46.0
607.54	37.15	38.45	46.0
615.03	37.78	38.28	46.0
633.58	37.26	39.86	46.0
748.78	39.01	39.03	46.0
978.81	44.38	44.88	54.0

Spectrum Analyzer Setting:

RBW: 100KHz

VBW: 100KHz

Quasi-peak Values were taken with Rohde & Schwarz ESVS 30 EMI Test receiver.

Radiated RF Level – Quasi-Peak Value

Frequency (MHz)	Horizontal (dB _{UV} /m)	Vertical (dB _{UV} /m)	FCC/B Limit (dB _{UV} /m)
39.58	31.4	36.2	40.0
46.79	33.08	37.38	40.0
48.01	37.72	36.92	40.0
57.6	30.28	34.78	40.0
61.19	34.23	33.73	40.0
75.58	34.98	28.78	40.0
84.72	37.05	34.75	40.0
115.2	36.3	29.2	43.5

FCC ID: A3KM98

162.0	41.16	35.16	43.5
540.04	43.36	41.16	46.0
641.3	36.34	38.34	46.0
691.19	38.18	40.18	46.0
708.8	40.56	42.26	46.0
719.98	40.52	43.12	46.0
776.3	38.01	37.01	46.0
810.06	43.56	42.56	46.0
843.81	38.4	37.6	46.0
864.0	38.93	38.53	46.0

The spectrum was scanned from 30MHz to 1000MHz and the significant emissions were recorded.

Test distance between device under test and receiving antenna was 3-meter.

Sample of calculation:

$$\text{Final value (dBuv/m)} = \text{Antenna Factor (dB)} + \text{Cable Loss (dB)} + \text{Reading value (dBuv/m)}$$

Tested by:

C.C.Wu

Checked by:

K.J.Hsu – EMC Engineer
NVLAP Signatory

