

# FCC TEST REPORT

Report No. : EMI01-045  
Tested Date: Nov./24/2001

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        | : Philips 180P2 LCD color monitor s/n: TY0105563 |
| FCC ID        | : A3KM106  |
| 2. Computer   | : Compaq ENC-P733 s/n: 6040DYSZE404              |
| FCC ID        | : FCC Logo                                       |
| 3. Keyboard   | : Compaq KB-9963 s/n: B26950GGALP13Q             |
| FCC ID        | : FCC Logo                                       |
| 4. Mouse      | : M-S48A s/n: F2240H5BLN0AQ                      |
| FCC ID        | : JNZ201213                                      |
| 5. Modem      | : USRoboties 268 s/n: 002680559278575            |
| FCC ID        | : CJE-0318                                       |
| 6. Printer    | : HP2225C s/n: 3123S97227                        |
| FCC ID        | : DSI6XU2225                                     |
| 7. Video Card | : ATI RADEON AGP s/n: n/a                        |
| 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.  
Extra microphone and earphone were used during test.  
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 (dB <sub>B</sub> /m)	Vertical (dB <sub>B</sub> /m)	FCC/B Limit (dB <sub>B</sub> /m)
58.5	29.49	30.59	40.0
67.0	26.61	27.01	40.0
116.98	32.72	36.62	43.5
146.24	29.16	26.56	43.5
204.74	30.3	29.9	43.5
233.96	36.5	35.4	46.0
292.45	39.14	37.34	46.0
350.94	36.4	38.7	46.0
409.42	35.3	36.9	46.0

			FCC ID: A3KM106
438.66	32.43	34.03	46.0
467.91	36.13	38.43	46.0
526.39	34.6	36.8	46.0
584.89	36.92	38.62	46.0
643.38	37.02	39.12	46.0
994.3	42.8	43.58	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 – QP Value

Frequency (MHz)	Horizontal (dB <sub>B</sub> uV/m)	Vertical (dB <sub>B</sub> uV/m)	FCC/B Limit (dB <sub>B</sub> uV/m)
701.86	37.52	38.59	46.0
760.35	39.16	38.26	46.0
818.83	43.6	42.1	46.0
877.32	37.7	37.9	46.0
935.82	39.03	37.93	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:

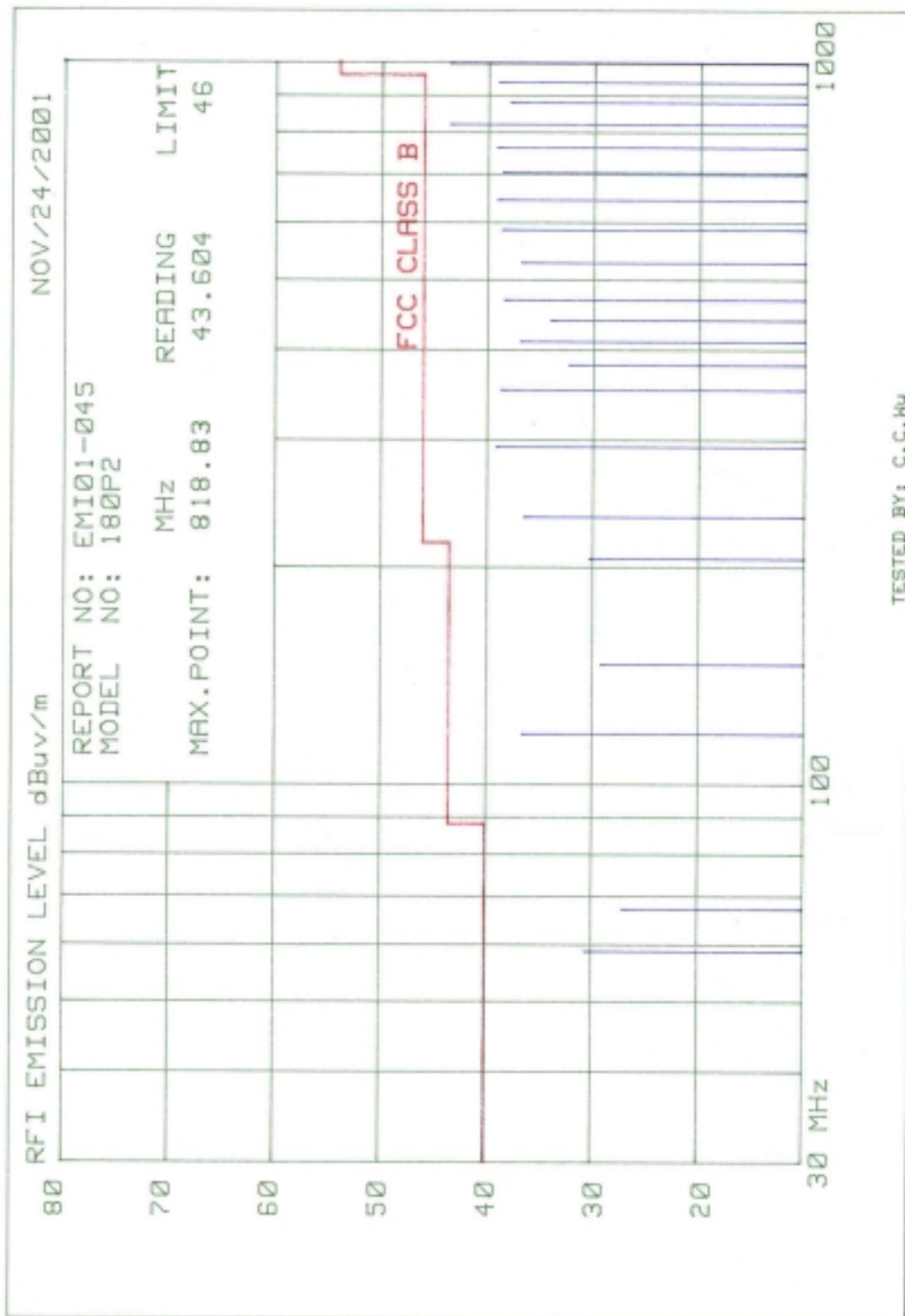
Final value (dB<sub>B</sub>uV/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Reading value (dB<sub>B</sub>uV/m)

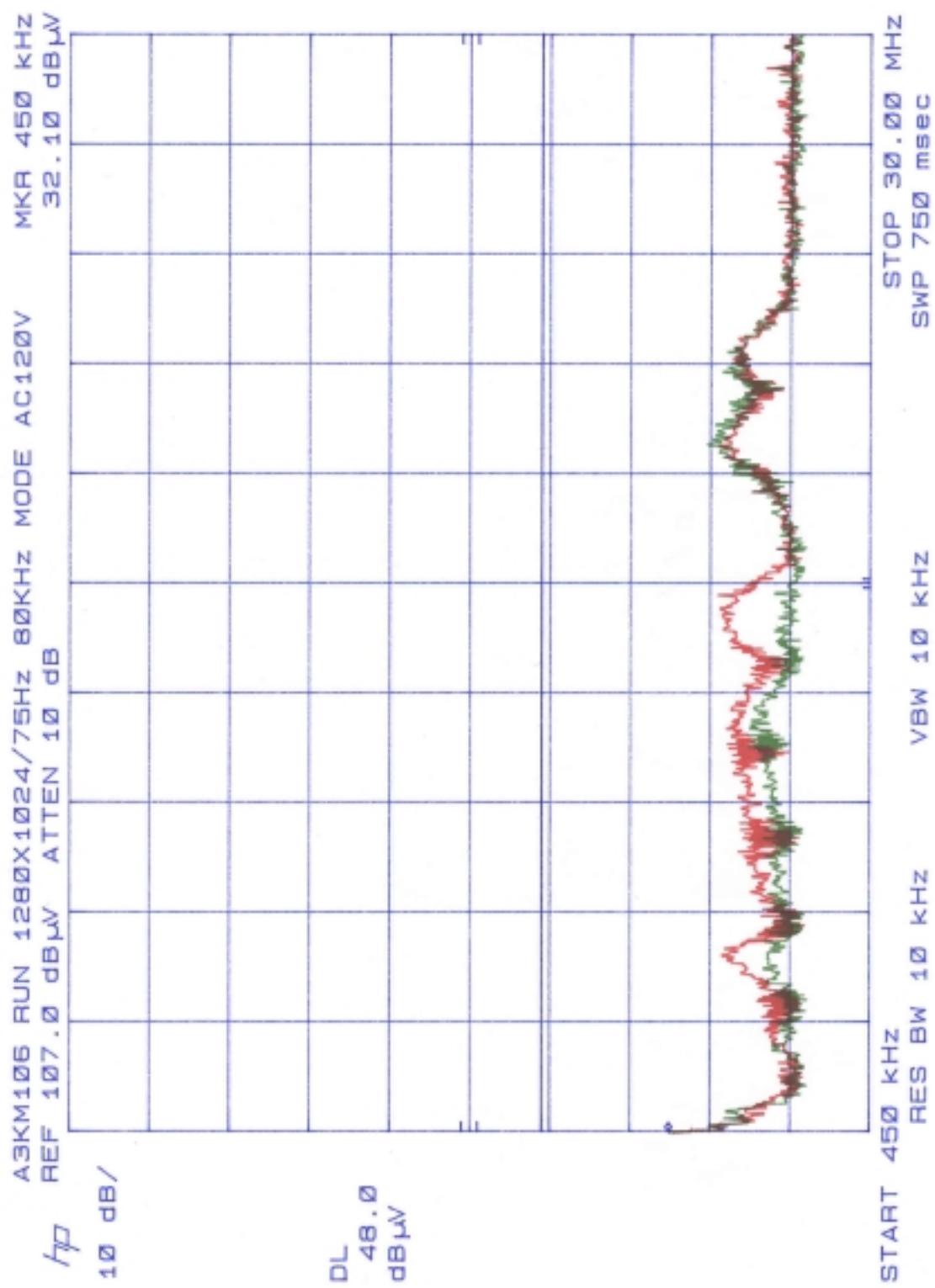
Tested by: C.C.Wu

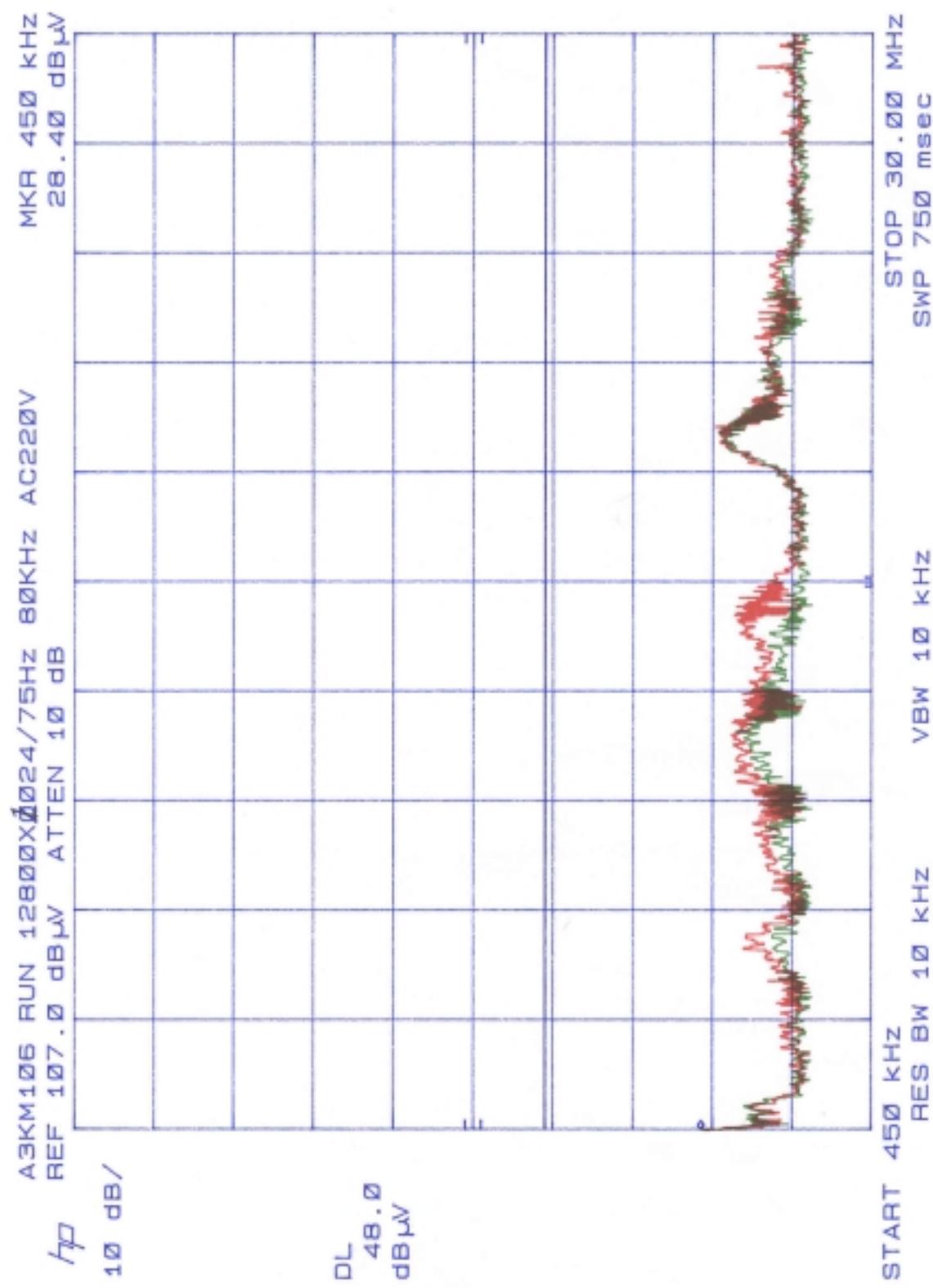
Checked by: K.J.Hsu

EMI Technician

MC Engineer  
NVLAP Signatory







# FCC TEST REPORT

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Tel.: + 886-3-454-9862 Fax.: +886-3-454-9887

Manufacturer : Philips Business Electronics

Tested System:

- |               |  |
|---------------|--|
| 1. EUT        | : Philips 180P2 LCD color monitor s/n: TY0105563 |
| FCC ID        | : A3KM106  |
| 2. Computer   | : Compaq ENC-P733 s/n: 6040DYSZE404              |
| FCC ID        | : FCC Logo                                       |
| 3. Keyboard   | : Compaq KB-9963 s/n: B26950GGALP13Q             |
| FCC ID        | : FCC Logo                                       |
| 4. Mouse      | : M-S48A s/n: F2240H5BLN0AQ                      |
| FCC ID        | : JNZ201213                                      |
| 5. Modem      | : USRoboties 268 s/n: 002680559278575            |
| FCC ID        | : CJE-0318                                       |
| 6. Printer    | : HP2225C s/n: 3123S97227                        |
| FCC ID        | : DSI6XU2225                                     |
| 7. Video Card | : ATI RADEON AGP s/n: n/a                        |
| 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.  
Extra microphone and earphone were used during test.  
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)
58.5	28.99	29.39	40.0
116.98	32.32	32.72	43.5
146.24	27.66	27.06	43.5
204.74	30.1	29.8	43.5
233.96	35.6	34.9	46.0
292.45	36.64	36.34	46.0
350.94	33.6	32.9	46.0
409.43	33.2	34.8	46.0

FCC ID: A3KM106			
467.92	34.33	35.53	46.0
526.39	33.9	34.8	46.0
584.89	35.42	36.62	46.0
643.37	36.52	36.92	46.0
994.3	42.18	42.38	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 – QP Value

Frequency (MHz)	Horizontal (dB <sub>B</sub> uV/m)	Vertical (dB <sub>B</sub> uV/m)	FCC/B Limit (dB <sub>B</sub> uV/m)
760.35	38.96	36.66	46.0
818.83	39.3	40.1	46.0
877.32	38.2	37.8	46.0
935.82	37.23	37.83	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:

Final value (dB<sub>B</sub>uV/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Reading value (dB<sub>B</sub>uV/m)

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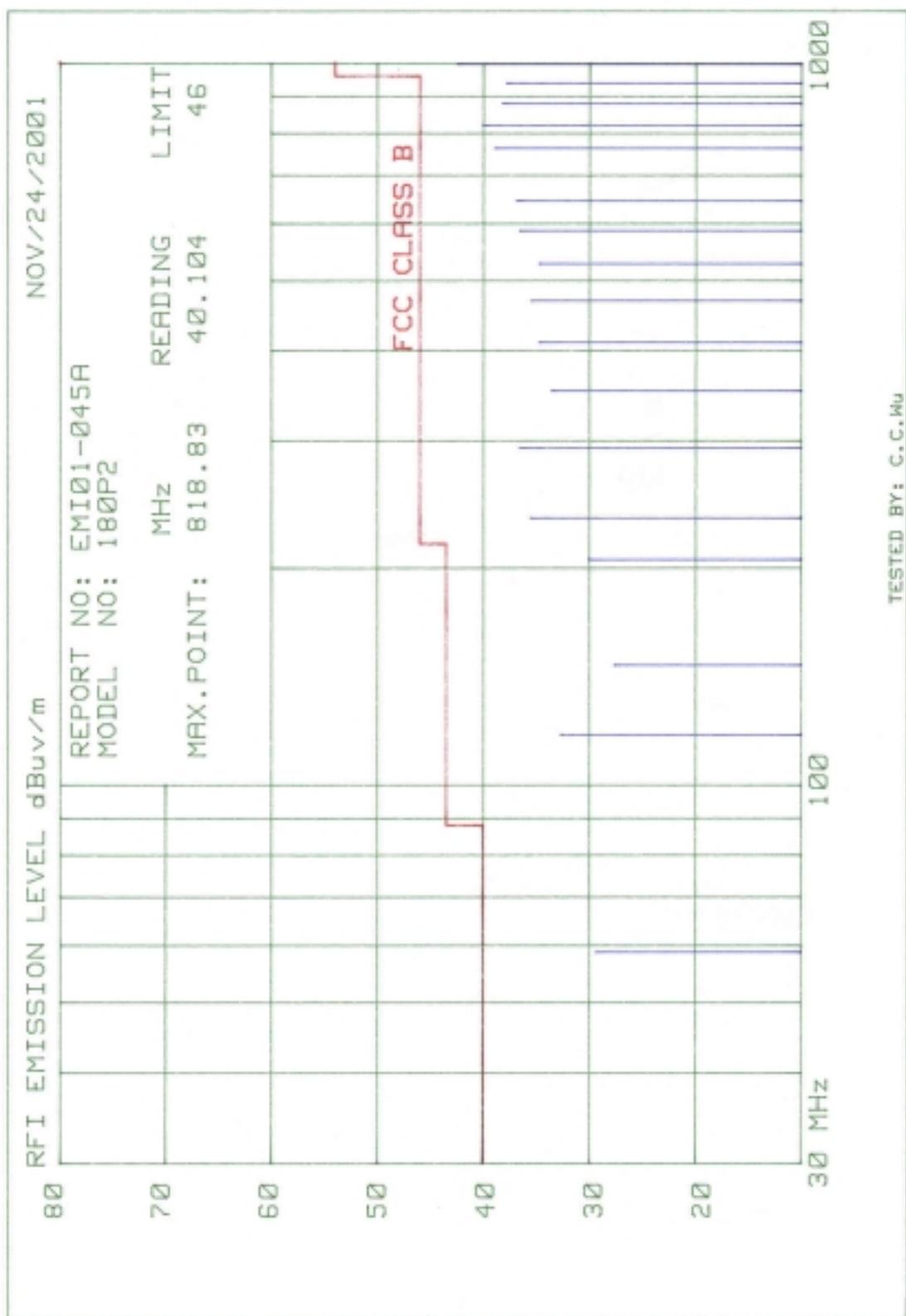
Tested by: C.C.Wu

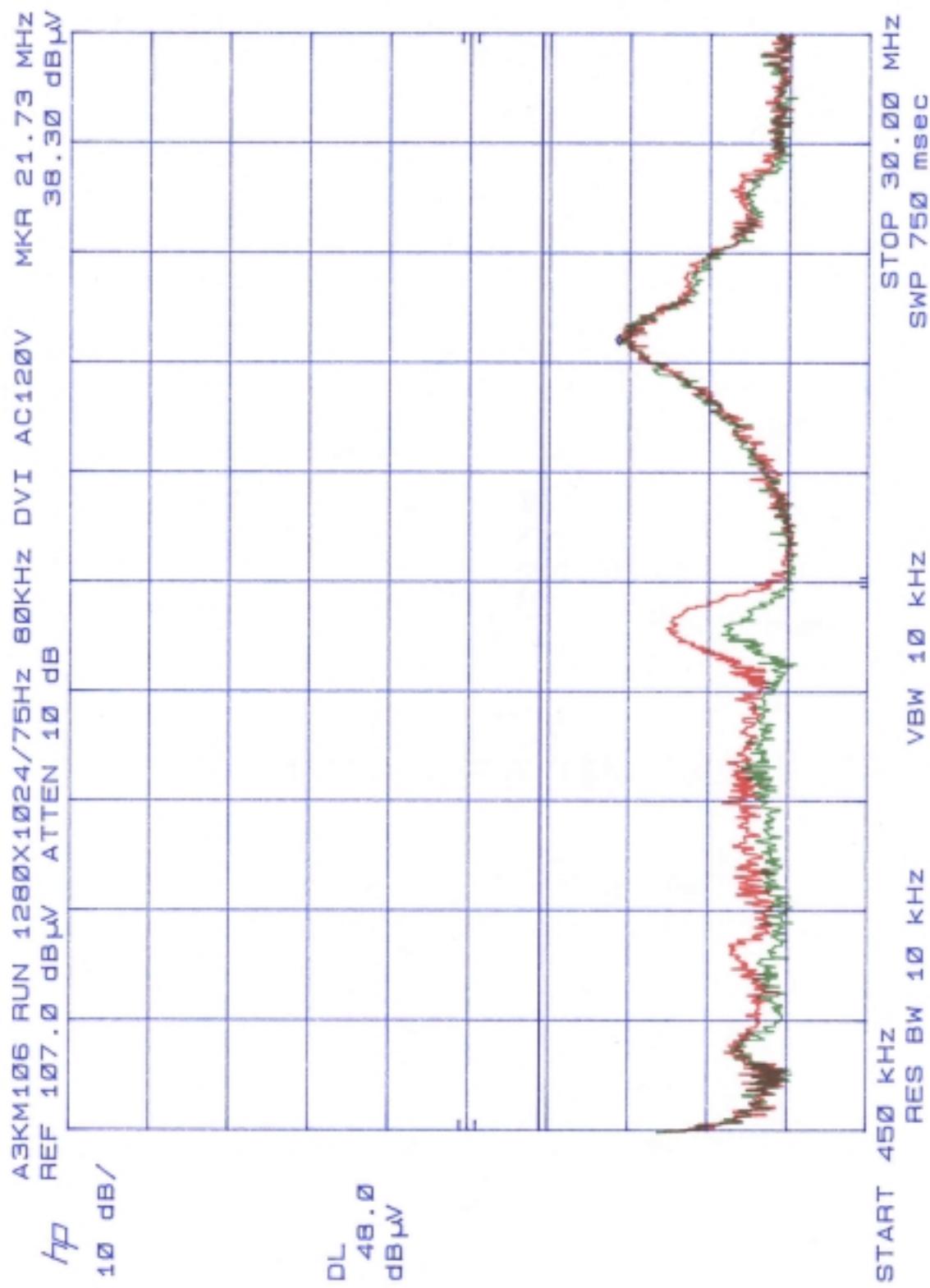
Checked by: K.J.Hsu

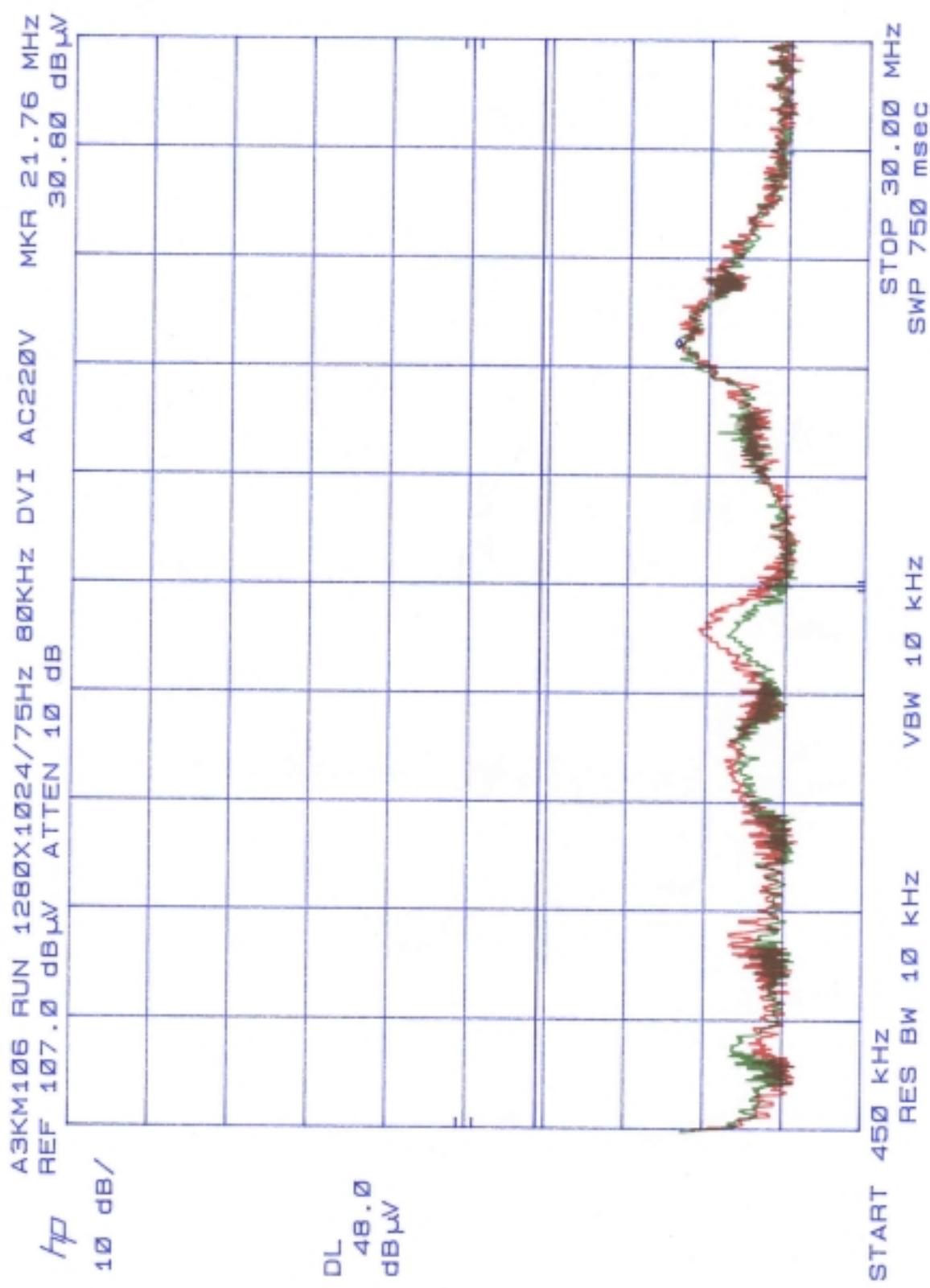
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EMI Technician

MC Engineer  
NVLAP Signatory







# FCC TEST REPORT

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| FCC ID        | : FCC Logo                                       |
| 3. Keyboard   | : Compaq KB-9963 s/n: B26950GGALP13Q             |
| FCC ID        | : FCC Logo                                       |
| 4. Mouse      | : M-S48A s/n: F2240H5BLN0AQ                      |
| FCC ID        | : JNZ201213                                      |
| 5. Modem      | : USRoboties 268 s/n: 002680559278575            |
| FCC ID        | : CJE-0318                                       |
| 6. Printer    | : HP2225C s/n: 3123S97227                        |
| FCC ID        | : DSI6XU2225                                     |
| 7. Video Card | : ATI RADEON AGP s/n: n/a                        |
| 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.  
 60.0KHz mode (10240x768/75Hz) was tested.  
 D-sub I/F cable with two ferrite cores was used.  
 Extra microphone and earphone were used during test.  
 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)
58.53	31.29	32.79	40.0
66.38	30.18	29.78	40.0
124.89	31.25	27.95	43.5
234.06	36.9	36.3	46.0
249.68	37.3	36.1	46.0
276.96	36.98	36.58	46.0
292.58	38.46	37.76	46.0
308.19	33.93	33.43	46.0

FCC ID: A3KM106			
315.98	31.26	30.16	46.0
327.68	36.37	29.87	46.0
335.48	33.84	30.24	46.0
351.09	37.9	37.4	46.0
366.71	34.0	32.3	46.0
394.0	33.48	32.58	46.0
409.6	35.92	36.82	46.0
444.71	33.88	34.38	46.0
452.51	34.87	38.67	46.0
468.12	37.53	39.93	46.0
473.25	38.75	38.95	46.0
526.63	36.2	37.6	46.0
542.25	37.06	36.56	46.0
550.04	35.4	34.3	46.0
569.52	36.18	35.78	46.0
588.14	37.15	37.95	46.0
643.67	37.26	37.96	46.0
994.72	42.0	42.8	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 – QP Value

Frequency (MHz)	Horizontal (dB <sub>B</sub> uV/m)	Vertical (dB <sub>B</sub> uV/m)	FCC/B Limit (dB <sub>B</sub> uV/m)
74.18	35.62	30.22	40.0
84.08	35.4	31.5	40.0
117.04	34.32	38.42	43.5
394.37	38.58	41.48	46.0
717.78	37.92	36.62	46.0
760.69	40.57	40.77	46.0
788.73	43.82	41.92	46.0
819.19	41.2	43.3	46.0
834.82	37.26	37.46	46.0
936.22	37.83	36.83	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:

Final value (dB<sub>B</sub>uV/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Reading value (dB<sub>B</sub>uV/m)

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