

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 : USRobotics 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 (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/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

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 (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/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:

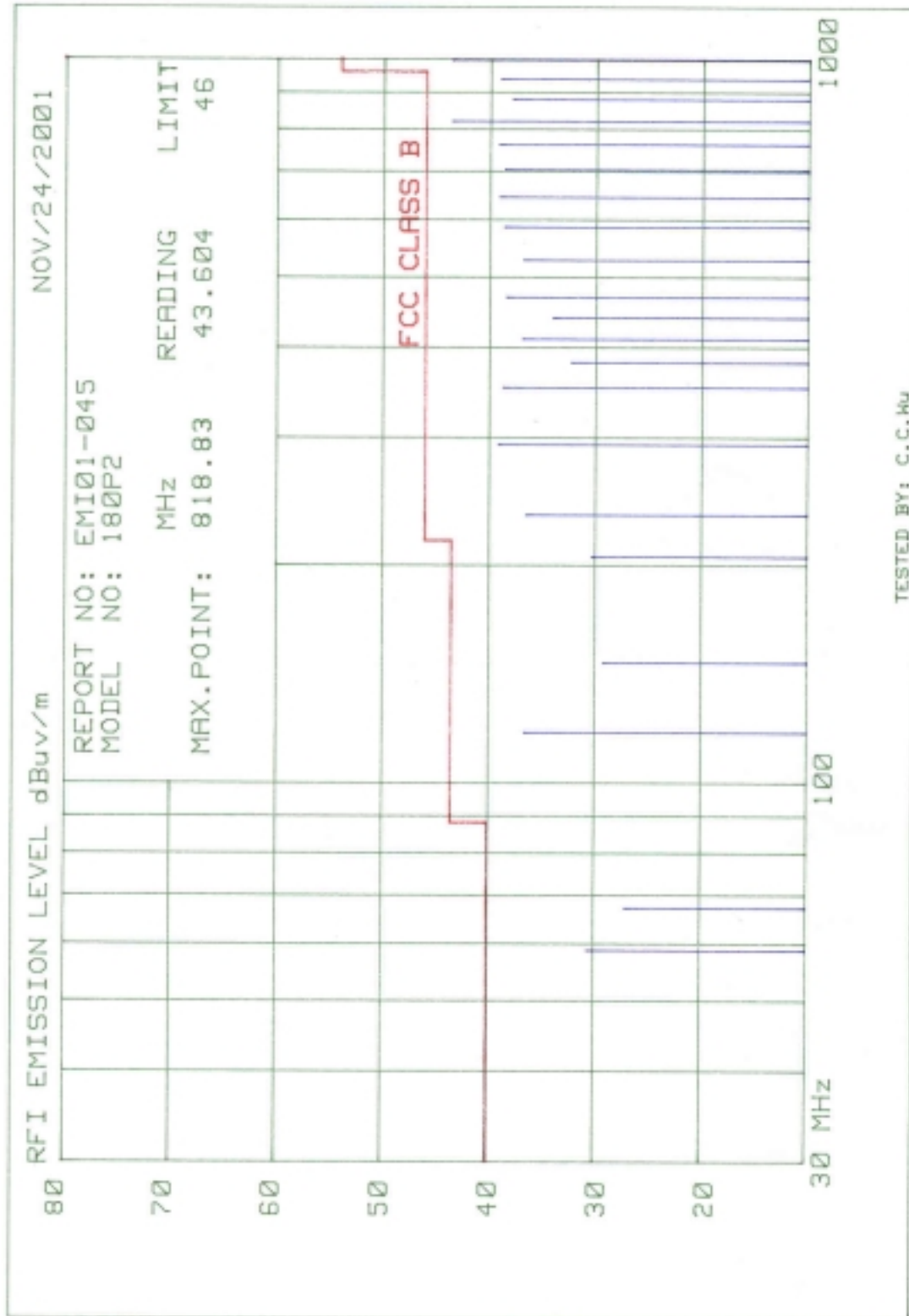
Final value (dBuV/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Reading value (dBuV/m)

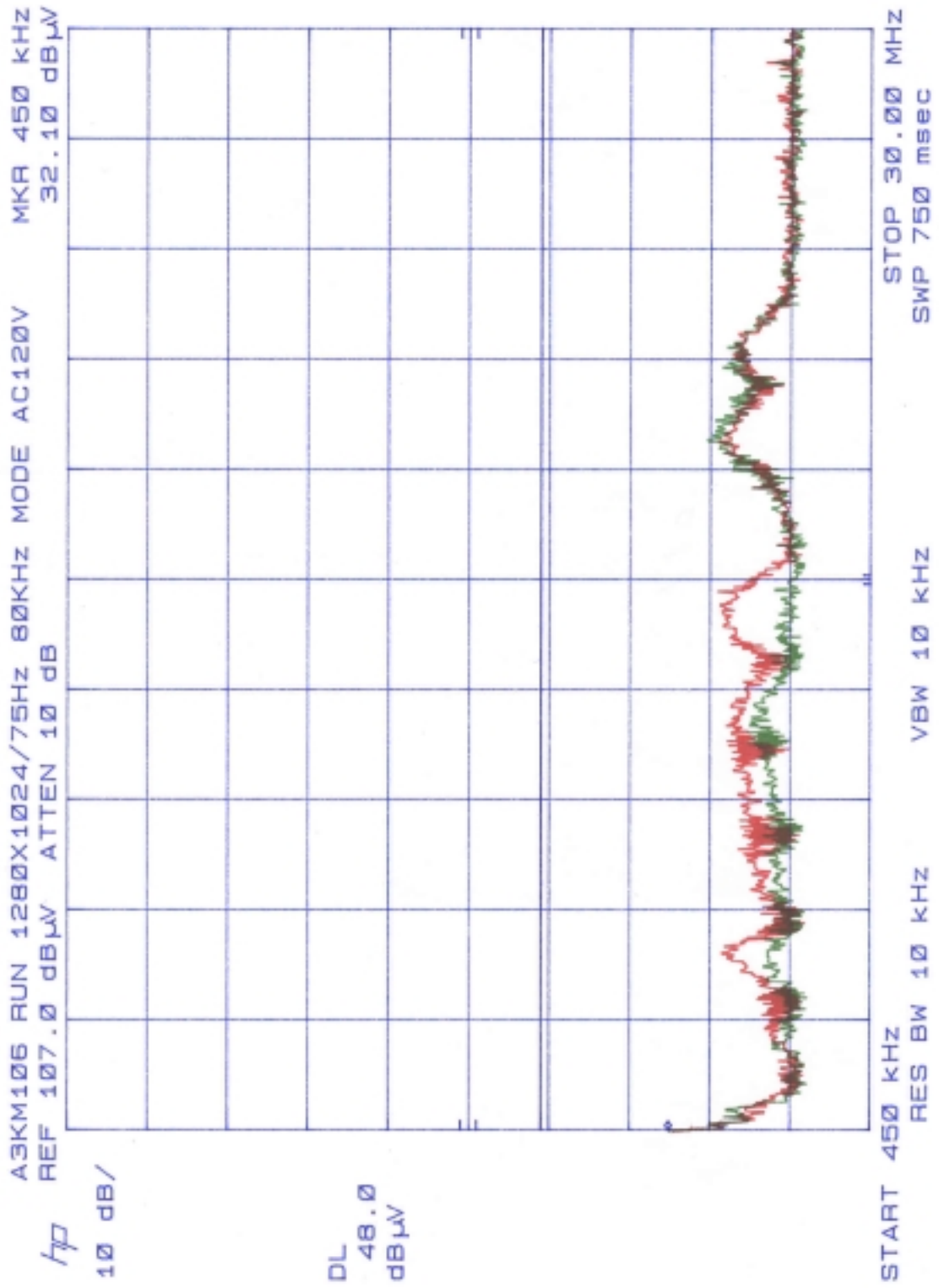
Tested by: C.C.Wu

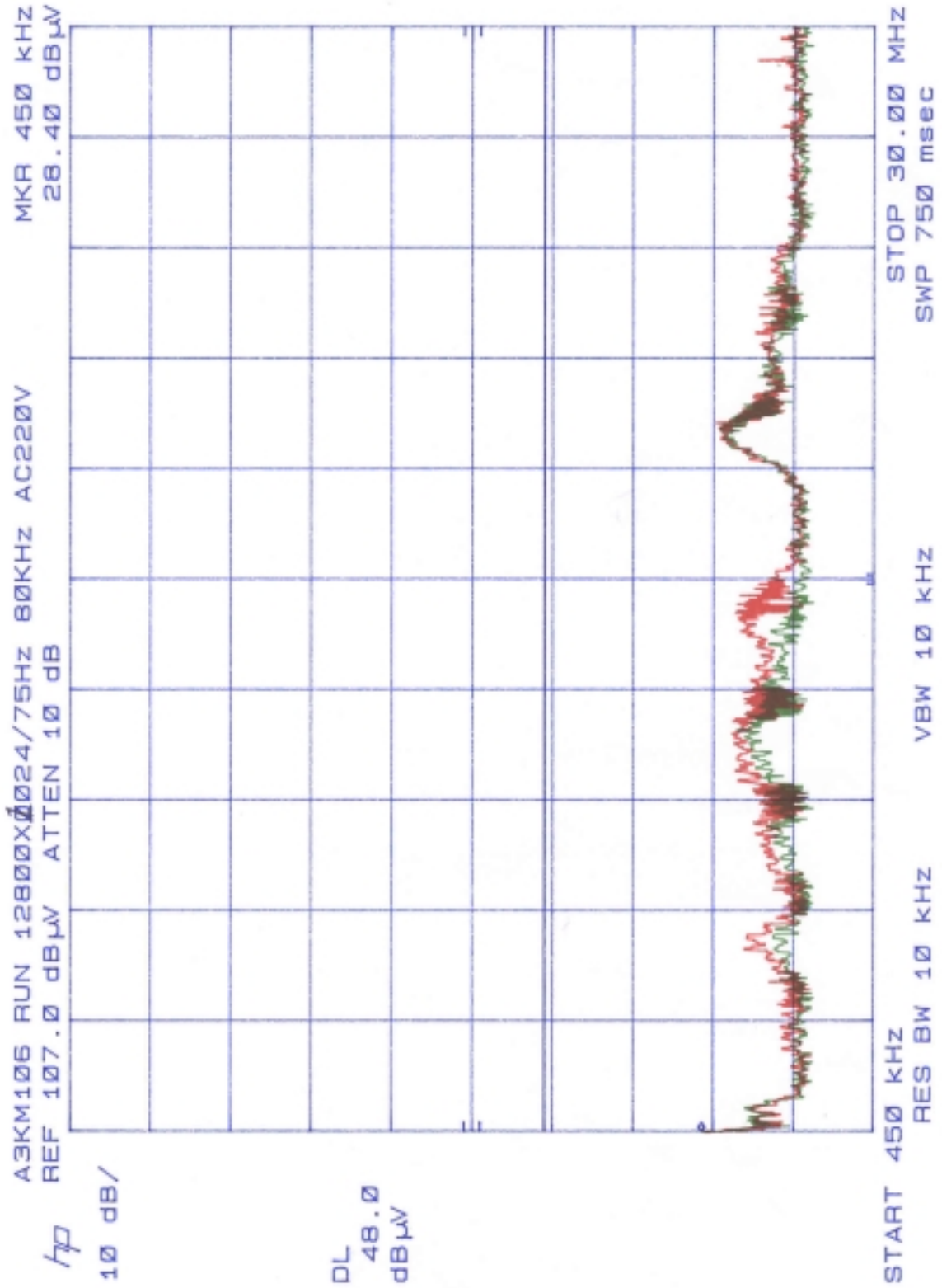
Checked by: K.J.Hsu

EMI Technician

MC Engineer
NVLAP Signatory







FCC TEST REPORT

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Tested System:

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FCC ID : A3KM106
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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 : USRobotics 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
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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

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 (dBuv/m)	Vertical (dBuv/m)	FCC/B Limit (dBuv/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:

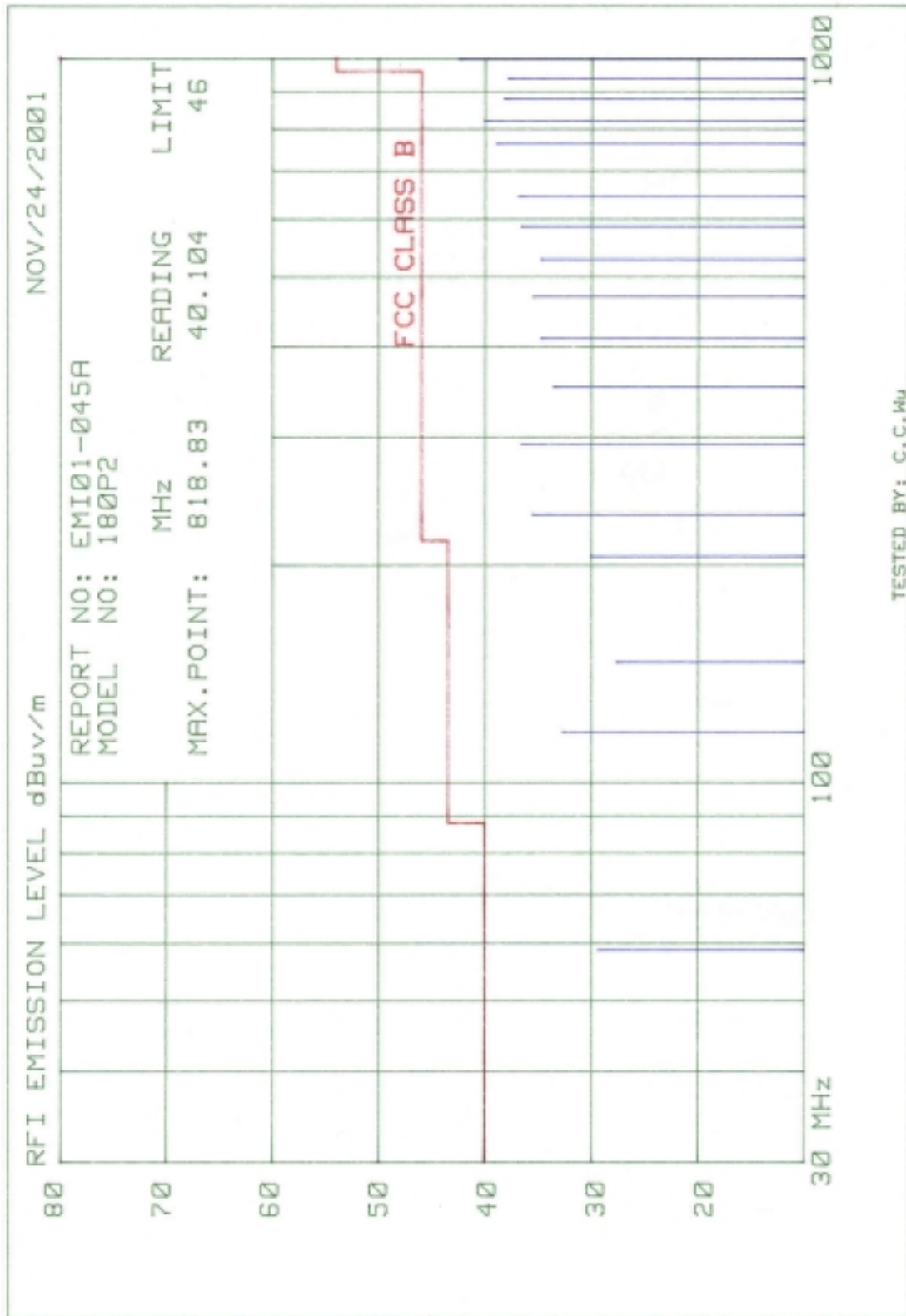
Final value (dBuv/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Reading value (dBuv/m)

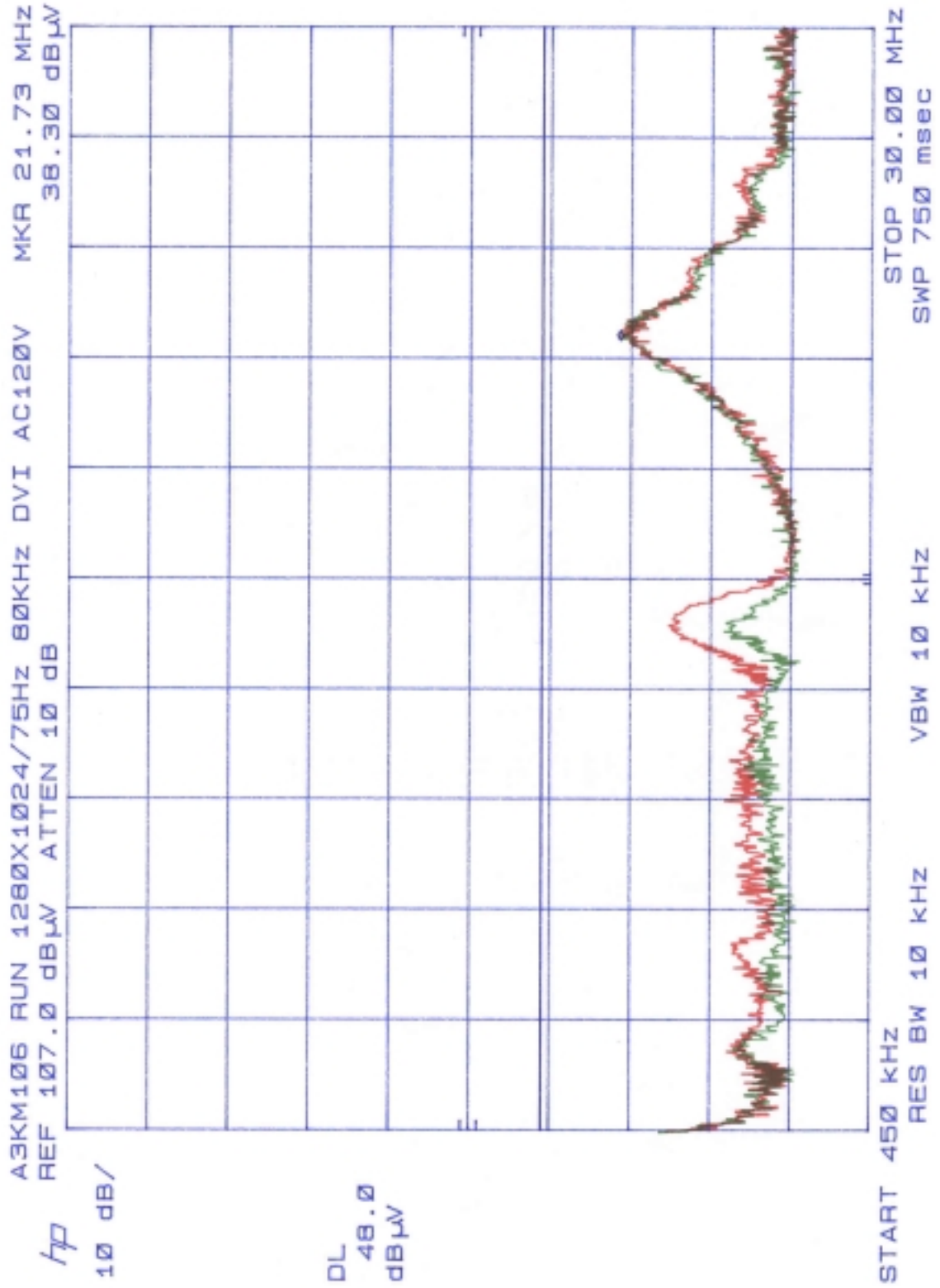
Tested by: C.C.Wu

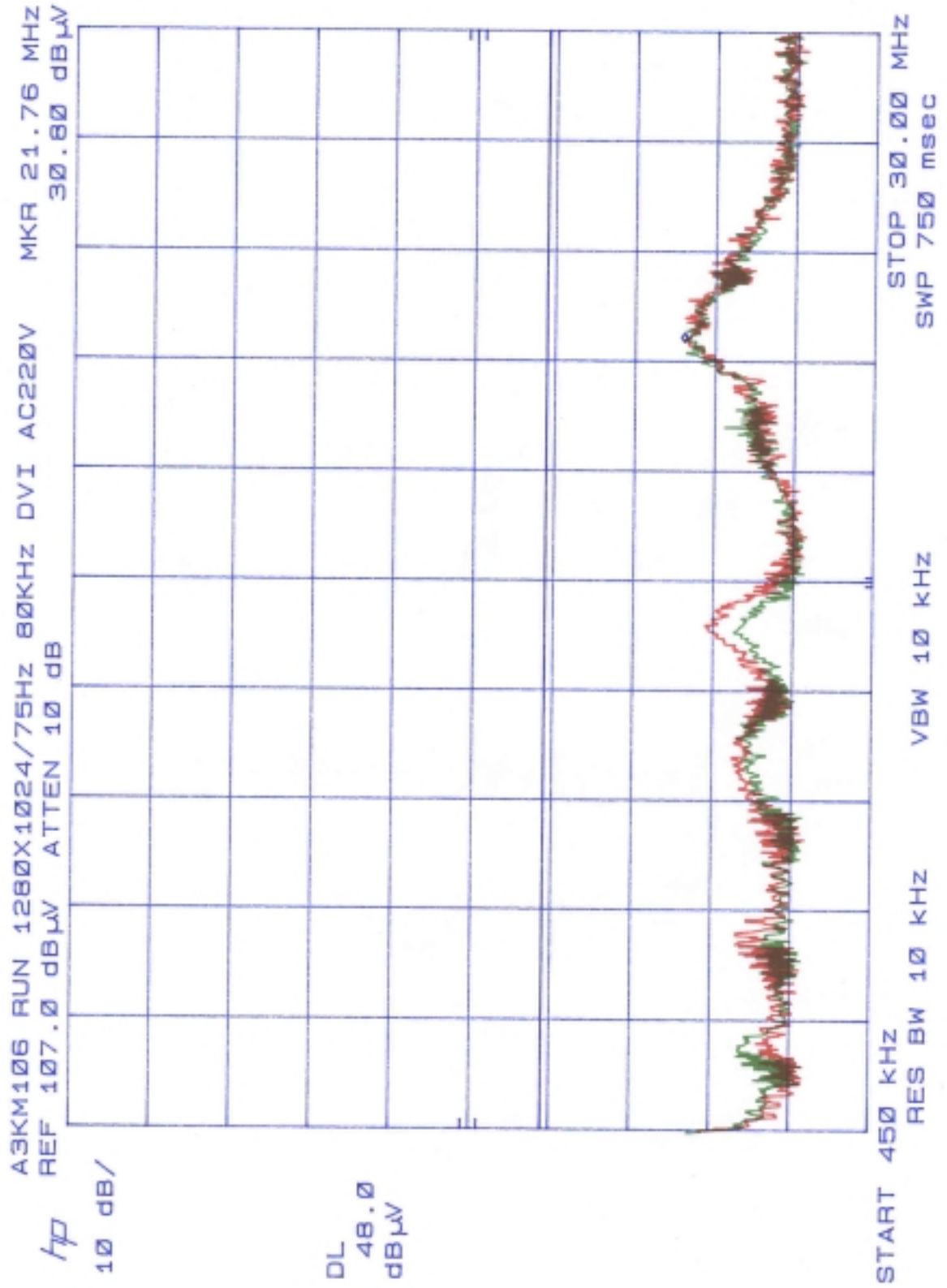
Checked by: K.J.Hsu

EMI Technician

MC Engineer
NVLAP Signatory







FCC TEST REPORT

Report No. : EMI01-045B
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FCC ID : JNZ201213
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Note: Test was performed in according with FCC measurement procedure ANSI C63.4-1992
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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

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 (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/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 (dBuV/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Reading value (dBuV/m)

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