

FCC TEST REPORT

Report No. : EMI01-017
Tested Date: June/03/2001

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 107B30 color monitor s/n: TY0104017
FCC ID : A3KM102
2. Computer : SCENIC 661P III s/n: 171617
FCC ID : HSSSCENIC6511
3. Keyboard : S26381-K252 s/n: H0S02
FCC ID : HSS01TSTK252
4. Mouse : M-S48A s/n: LZA95220043
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 : S3 Trio 3D/2X s/n: C10N091416
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)
47.18	26.08	32.28	40.0
60.68	23.53	26.03	40.0
67.43	26.81	29.31	40.0
74.18	25.62	23.52	40.0
114.65	25.9	29.0	43.5
134.85	26.15	27.65	43.5
161.84	27.66	29.96	43.5
229.26	33.38	32.48	46.0
269.69	35.7	34.8	46.0
330.08	30.32	31.42	46.0
350.62	31.1	31.5	46.0

357.36	33.2	33.5	46.0
364.1	33.4	33.3	46.0
377.58	32.5	32.7	46.0
384.32	32.12	31.62	46.0
397.8	33.52	32.62	46.0
404.54	36.76	34.56	46.0
411.28	33.73	33.43	46.0
418.02	34.01	34.11	46.0
424.76	37.1	36.4	46.0
431.5	35.36	33.86	46.0
444.98	35.98	33.18	46.0
465.21	37.66	37.26	46.0
478.71	35.28	36.42	46.0
485.45	34.72	34.92	46.0
492.18	36.74	37.04	46.0
498.92	35.86	37.06	46.0
512.42	38.69	35.39	46.0
519.14	39.05	37.75	46.0
532.63	37.43	38.03	46.0
546.12	34.88	35.98	46.0
559.61	36.64	35.14	46.0
566.35	36.18	35.48	46.0
579.84	39.46	38.86	46.0
586.58	39.14	38.94	46.0
600.07	34.8	35.9	46.0
606.81	36.12	35.52	46.0
627.03	37.68	38.28	46.0
633.77	36.76	37.16	46.0
647.25	37.58	38.18	46.0
654.0	36.97	37.77	46.0
694.44	39.15	39.85	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)
471.97	38.62	38.92	46.0
539.38	37.75	38.85	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:

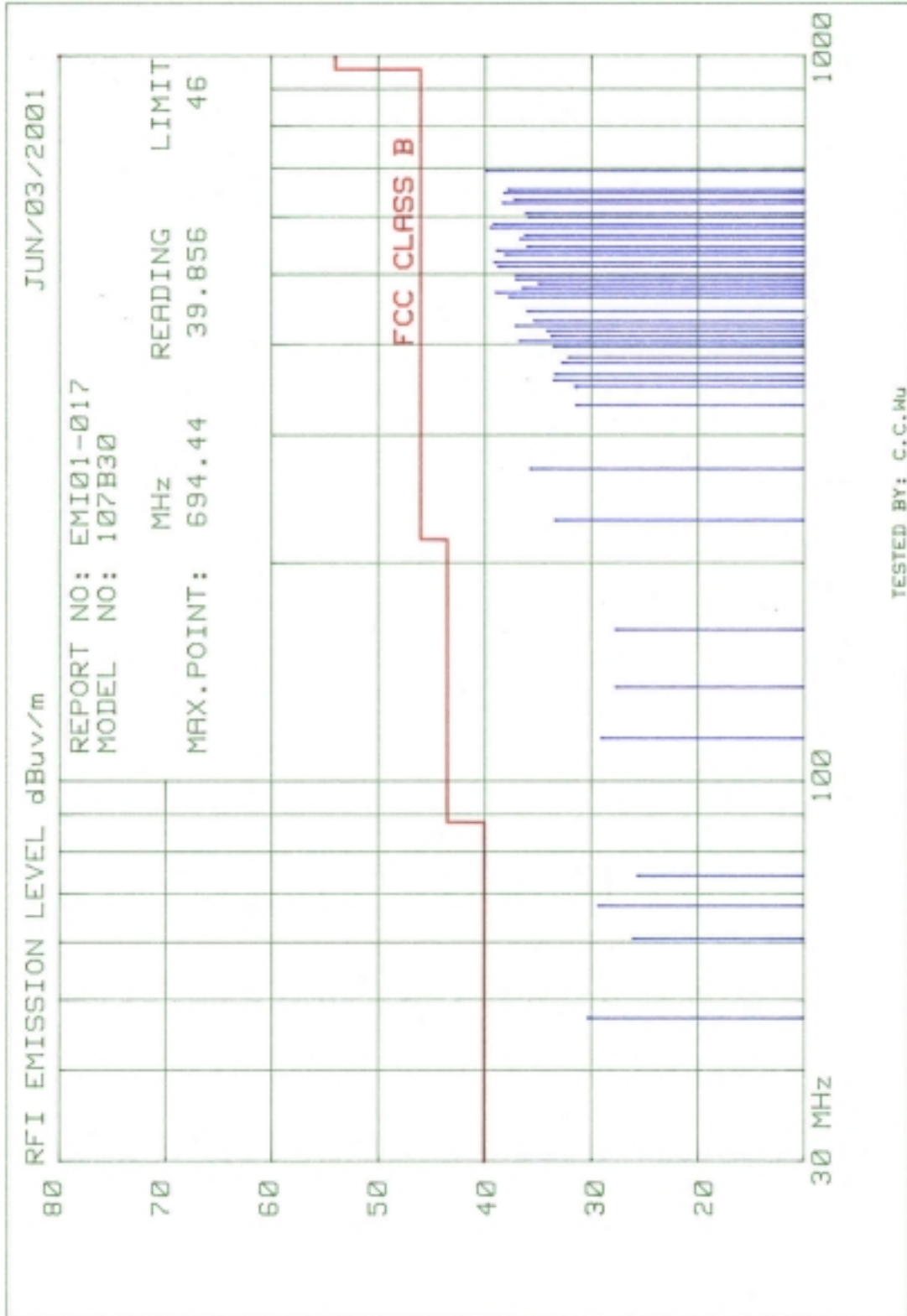
Final value (dBuV/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuV/m)

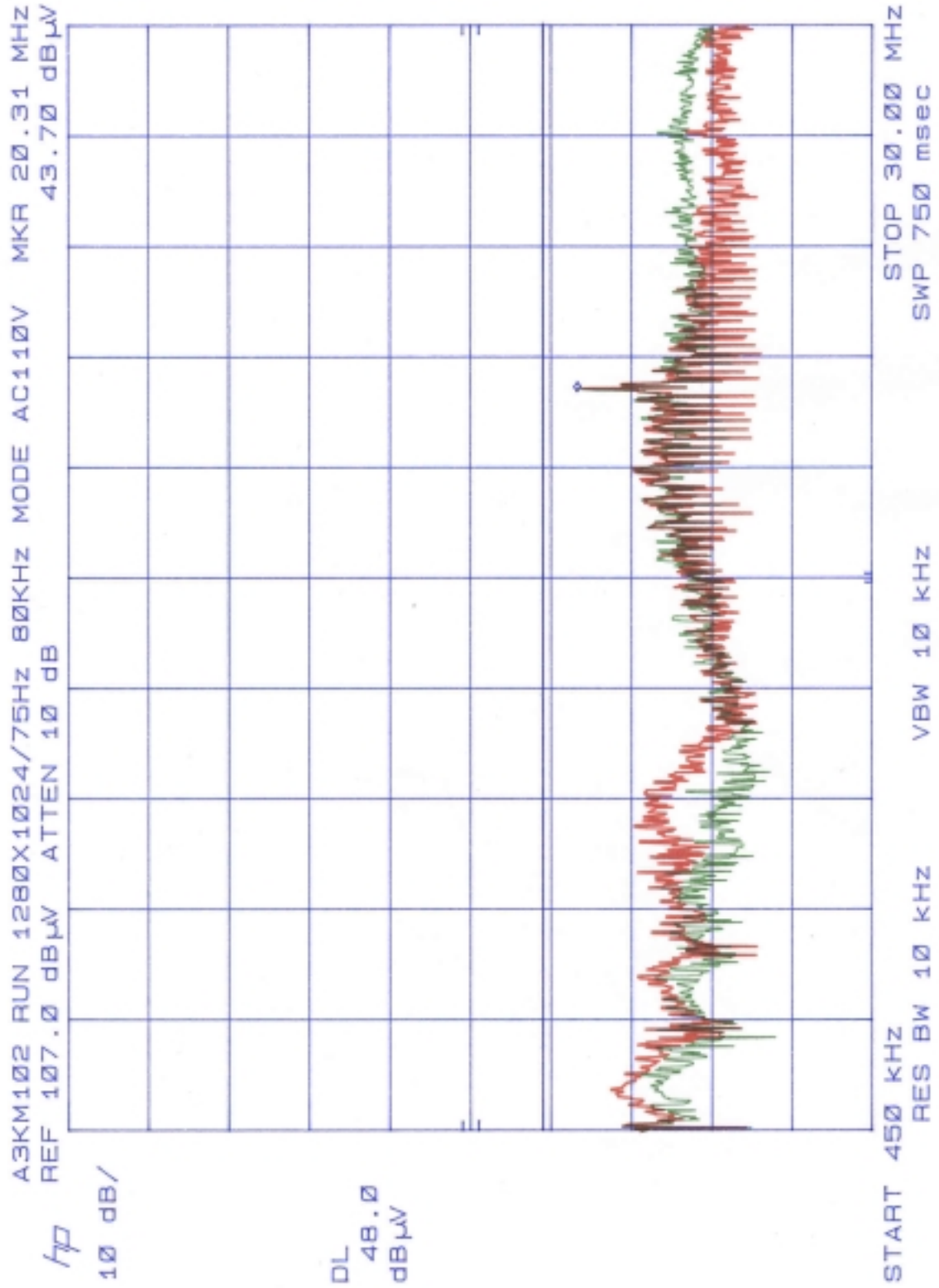
Tested by: C.C.Wu

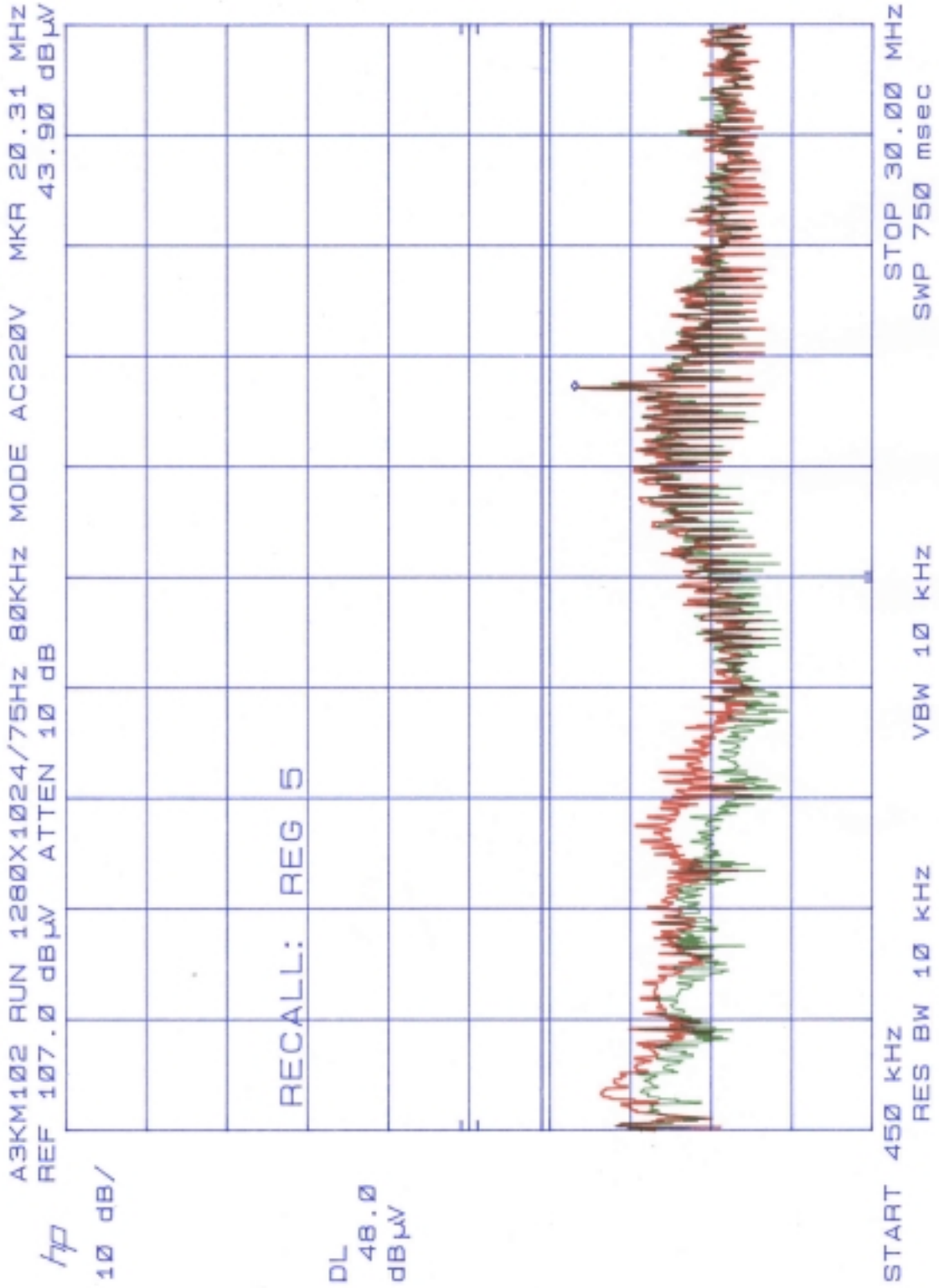
Checked by: K.J.Hsu

EMI Technician

MC Engineer
NVLAP Signatory







FCC TEST REPORT

Report No. : EMI01-017A

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Monitor was connected to floor mounted AC outlet.

75.0KHz mode (1600x1200/60Hz) 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

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Radiated RF Level – Peak Value

Frequency (MHz)	Horizontal (dBuV/m)	Vertical (dBuV/m)	FCC/B Limit (dBuV/m)
42.33	25.78	31.78	40.0
63.51	25.92	27.82	40.0
70.57	25.08	26.38	40.0
84.68	29.95	28.45	40.0
120.02	27.0	28.6	43.5
183.45	29.87	27.97	43.5
225.8	33.32	31.82	46.0
239.93	35.0	33.5	46.0
246.98	34.28	33.28	46.0

324.59	31.3	30.4	46.0
338.72	31.93	30.13	46.0
345.77	33.0	31.6	46.0
359.89	32.1	31.4	46.0
366.95	32.6	32.0	46.0
402.18	35.52	37.92	46.0
409.27	34.3	35.4	46.0
416.33	33.09	32.69	46.0
423.38	34.77	33.47	46.0
437.5	34.31	33.31	46.0
444.54	38.08	35.98	46.0
451.6	35.94	34.54	46.0
458.66	35.81	36.01	46.0
465.71	38.58	39.38	46.0
472.77	35.55	35.25	46.0
479.83	33.96	33.06	46.0
486.89	36.28	33.98	46.0
500.98	37.0	35.0	46.0
508.05	38.86	37.52	46.0
515.1	34.92	33.72	46.0
529.22	34.71	35.81	46.0
543.34	37.97	35.07	46.0
550.39	37.7	35.0	46.0
564.5	37.16	36.66	46.0
571.56	34.92	35.22	46.0
578.62	35.94	34.74	46.0
585.68	36.23	35.33	46.0
599.78	37.5	35.3	46.0
628.02	36.82	35.78	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)
606.84	38.72	35.42	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:

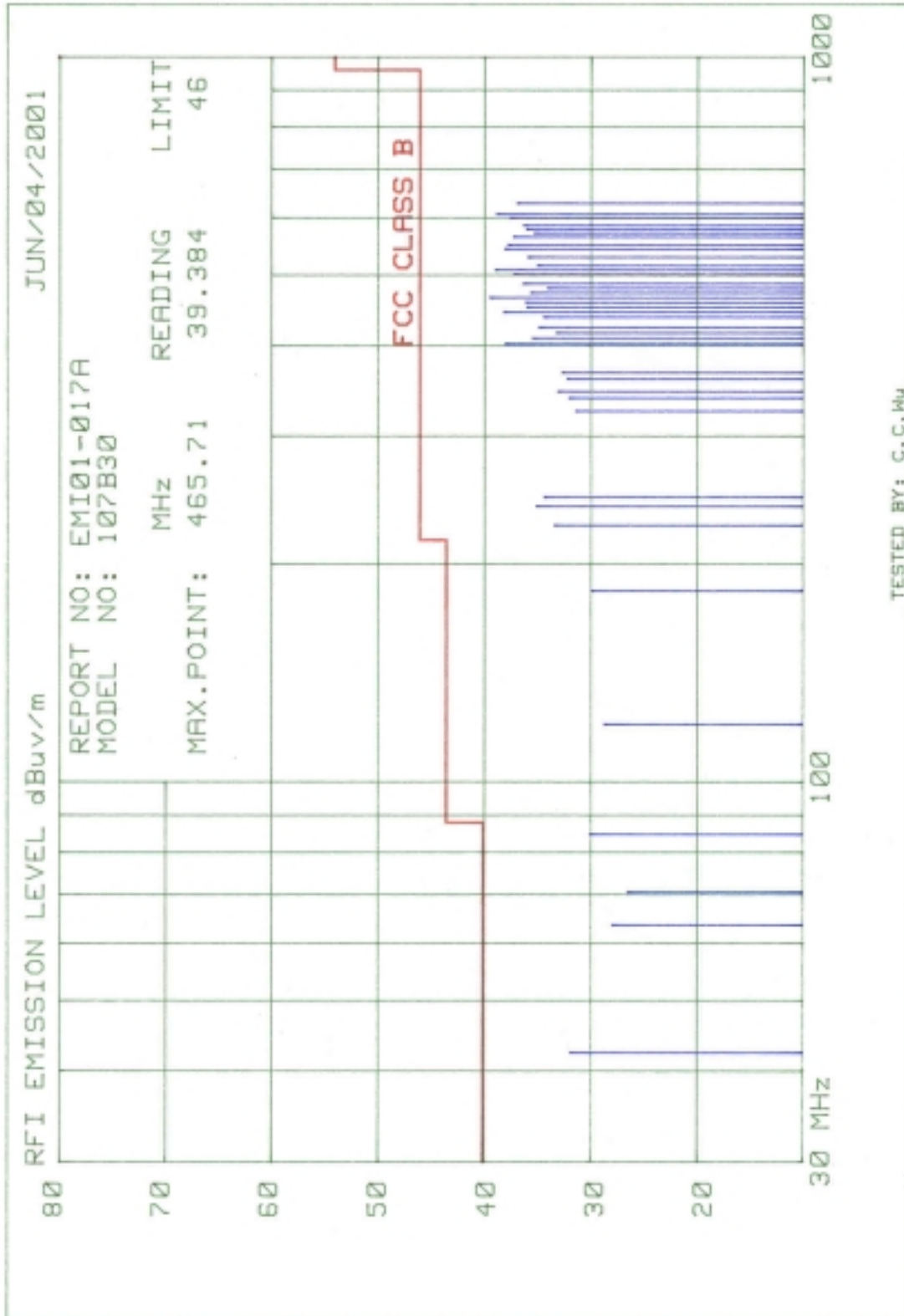
Final value (dBuV/m) = Antenna Factor (dB) + Cable Loss (dB) + Reading value (dBuV/m)

Tested by: C.C.Wu

Checked by: K.J.Hsu

EMI Technician

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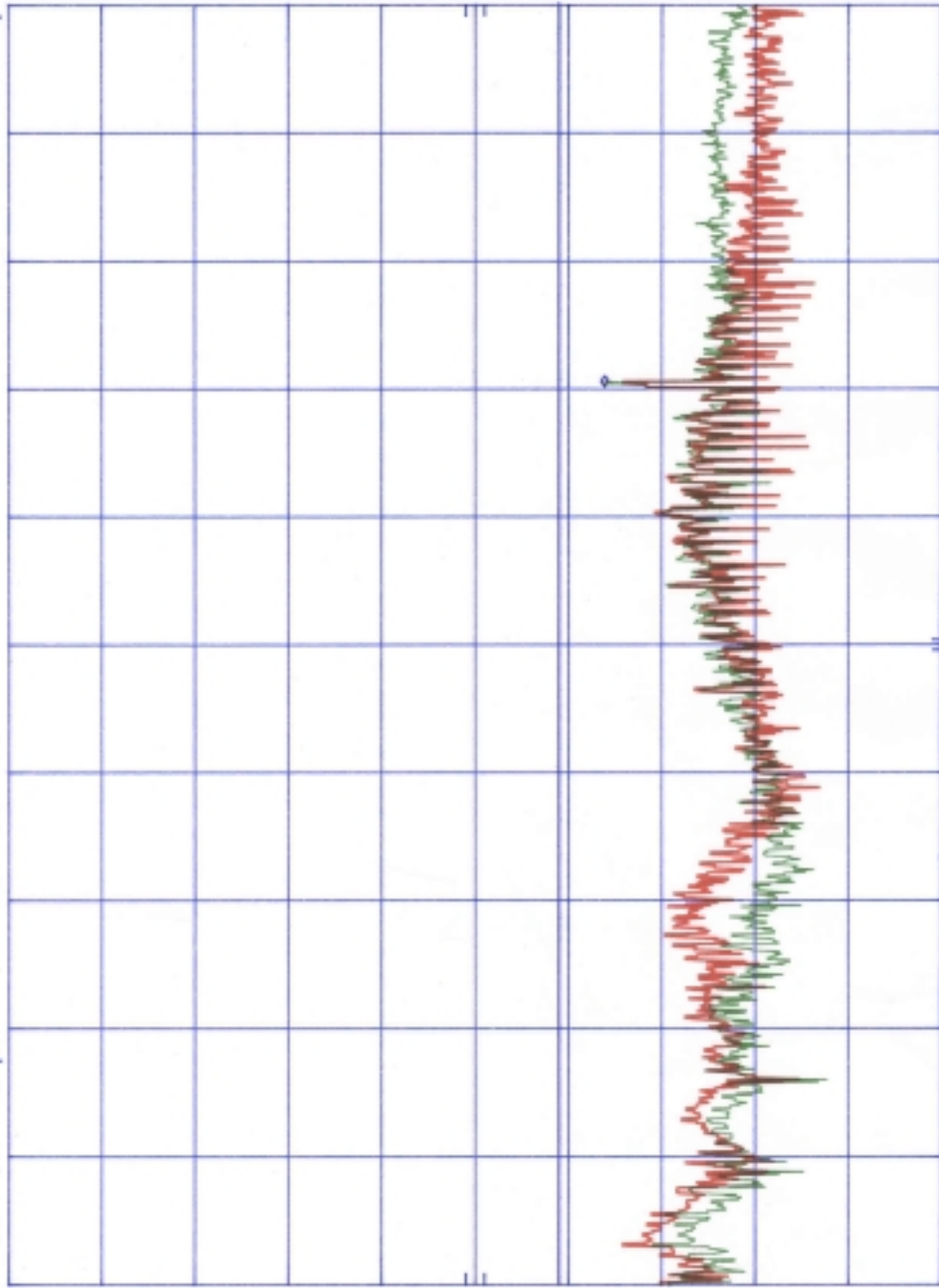


A3KM102 RUN 1600X1200/60Hz 75KHz MODE AC110V MKR 21.28 MHz
 REF 107.0 dBμV ATTN 10 dB 43.10 dBμV

HP

10 dB/

DL
 48.0
 dBμV



START 450 KHz RES BW 10 KHz VBW 10 KHz STOP 30.00 MHz
 SWP 750 msec

