Description of Changes

Description of Changes

The 19" SVGA color monitor

Model No.

: 19B2502H

FCC ID

: A3KM085

was granted by FCC on Dec. $30,\!1998$, file no.: 31010/EQU 4-3-5 as attached grant of equipment authorization.

This monitor also named as below for some special region,

Model No.

: 19C250JQ

Brand

: Philips

FCC ID.

: A3KM085

The monitor "19C250JQ" is a downgrade model of "19B2502H".

For customer request and cost down the following change items were made:

- The electrical spec. was changed:
 - a. Max. resolution was changed from 1600x1200/75Hz to 1280x1024/85Hz.
 - b. Hori. Frequency was reduced from 95KHZ to 92KHz.
- To delete metal shielding cover.
- To delete USB function (w/o USB Connector on back cover).
- To add one small metal plate on CRT.
- To add one grounding wire between CRT shielding cover and metal bracket.

The changes will be made only in these units produced after the change is authorized.

Ronnie Yang -- Manager, Safety/Dev NVLAP Signatory

Test Data of Original

FCC ID : A3KM085
REPORT NO.: EMI98-077
TEST DATE : OCT/19/1998
TEST ENGI.: C.C.Wu

TEST PERFORMED BY PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD. CONSUMER ELECTRONICS DIVISION (PEI-CED) EMI-LAB

P.O.BOX 123

CHUNGLI, TAOYUAN, TAIWAN, R.O.C.

TEL: 886-3-4549862 FAX: 886-3-4549887

MANUFACTURER : PEI-CED

TESTED SYSTEM:

1. EUT : 1982502H COLOR MONITOR S/N.: TY9804077

FCC ID. : A3KM085

2. COMPUTER: COMPAQ DESKPRO DP6000 S/N.: 7751BSD40011

FCC ID. : FCC LOGO

3. PRINTER: HP 22250 S/N.: 3145502419

FCC ID. : DSI6XU2225

4. MODEM : USRobotics 268 S/N.: 0002680559278575

FCC ID. : CJE-0318

5. MOUSE : COMPAQ M-S34 S/N.: 1411189401

FCC ID. : DZL211029

5. KEYBOARD: COMPAQ RT101 S/N.: 17271

FCC ID. : AQS-CYPRESSC15

7. VIDEO CARD : MGA II AGP S/N.: 007449

FCC ID. : FCC LOGO

8. CD_ROMD : SONY CDU31A S/N.: --

FCC ID. : KGACDU31A2

NOTE: TEST WAS PERFORMED IN ACCORDANCE WITH FCC MEASUREMENT PROCEDURE ANSI C63.4-1992 ''AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9KHz TO 406Hz''

MONITOR WAS CONNECTED TO FLOOR MOUNTED AC DUTLET.
93.8KHz MODE(1600X1200/75Hz) WAS TESTED.
INTERFACE CABLE WITH THREE FERRITE CORES(ONE INSIDE) WAS TESTED.
UNSHIELDED MAINS CORD WAS USED DURING TEST.
ONE UPSTREAM USB CABLE WAS CONNECTED TO COMPUTER

THE TEST EQUIPMENT PLEASE REFER TO EQUIPMENT LIST AS ATTACHED.

DEVIATION: NONE

FREQUENCY (MHz)	HÖRIZONTAL (dBuv/m)	VERTICAL (dBuv/m)	FCC CLASS B LIMIT (dBuv/m)
50.7	27.91	31.41	40
64.5	25. 9 5	31.05	40
84.5	32.85	32.75	40
135.2	30.35	AMBIENT	43.5
152.1	30.1	2 9. 9	43.5
158.01	31.04	32.84	43.5
185.9	28.54	2 9. 34	43,5
287.3	38.65	36.55	46

			WULL CONT.
304.2	33.016	30.416	46
312.01	35.248	35.548	46
321.1	38.184	36.084	46
336.01	34.664	35.564	46
338	35.712	36.912	46
360.01	36.9	37	46
371.8	35.4	35	46
384.01	36.924	39.424	46
388.7	35.904	36.104	46
408.01	34.396	38.296	46
422.5	36.476	37.176	46
473.2	34.152	36.952	46
523.9	36.092	36.292	46
540.8	35.464	36.664	46
552.01	38.548	39.248	46
557.7	38.792	39.5 9 2	46
591. 5	38.404	36.404	46
642	37.28	37.18	48
659.1	37.312	38.112	46

ABOVE READINGS ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED. SPECTRUM ANALYZER SETTINGS:

RBW : 100KHz VBW : 100KHz

QUASI-PEAK READINGS ARE TAKEN WITH ROHDE & SCHWARZ EMI TEST RECEIVER 20 - 1000MH: ESVS 30 :

RADIATED RF LEVEL - QUASI-PEAK VALUE

	HORIZONTAL (dBuv/m)		FCC CLASS B LIMIT (dBuv/m)
33,8	28.04	35.04	40
118.3	34.88	33.38	43.5
169	33.57	31.87	43.5
192.01	AMBIENT	35.62	43.5
219.7	32.7	34.9	46
236.6	42.05	40.15	46
253.5	40.5	38.3	46
354.9	39.2	37.9	46
405.8	36.672	39.272	46
439.4	38.836	40.436	46
456.3	40.144	41.744	46
490.19	37.38	38 .9 8	46
574.6	39.3	39.1	46
845	39.92	39.42	46
861.9	39.288	38.188	46

THE SPECTRUM WAS SCANNED FROM 30 TO 1000 MHz AND THE SIGNIFICANT EMISSIONS ARE RECORDED.

TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 3-METER.

SAMPLE CALCULATION :

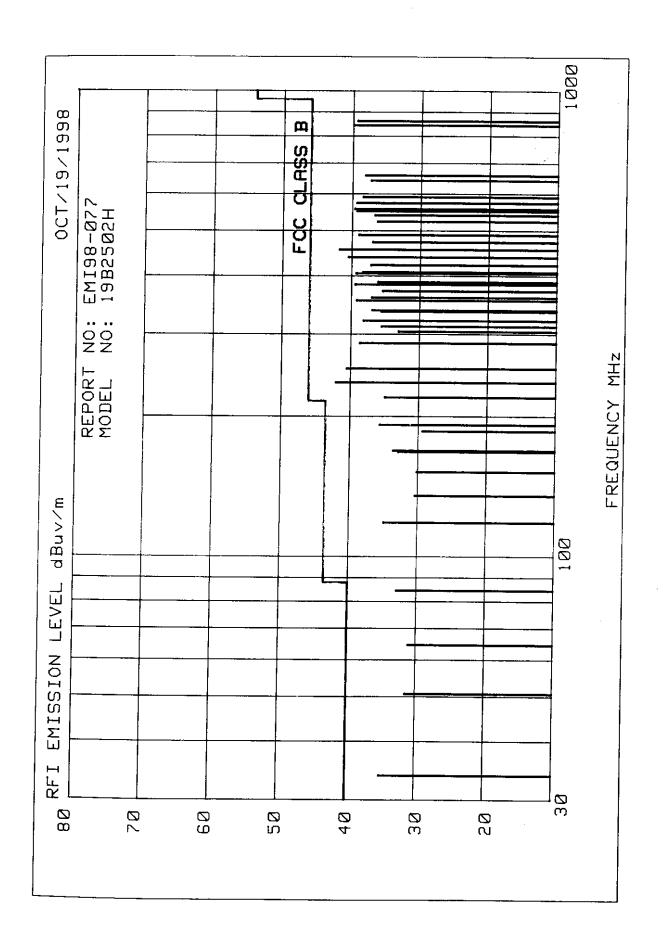
FINAL VALUE (dBuv/m) = ANTENNA FACTOR (dB) + CABLE (dB) + READING (dBuv/m)

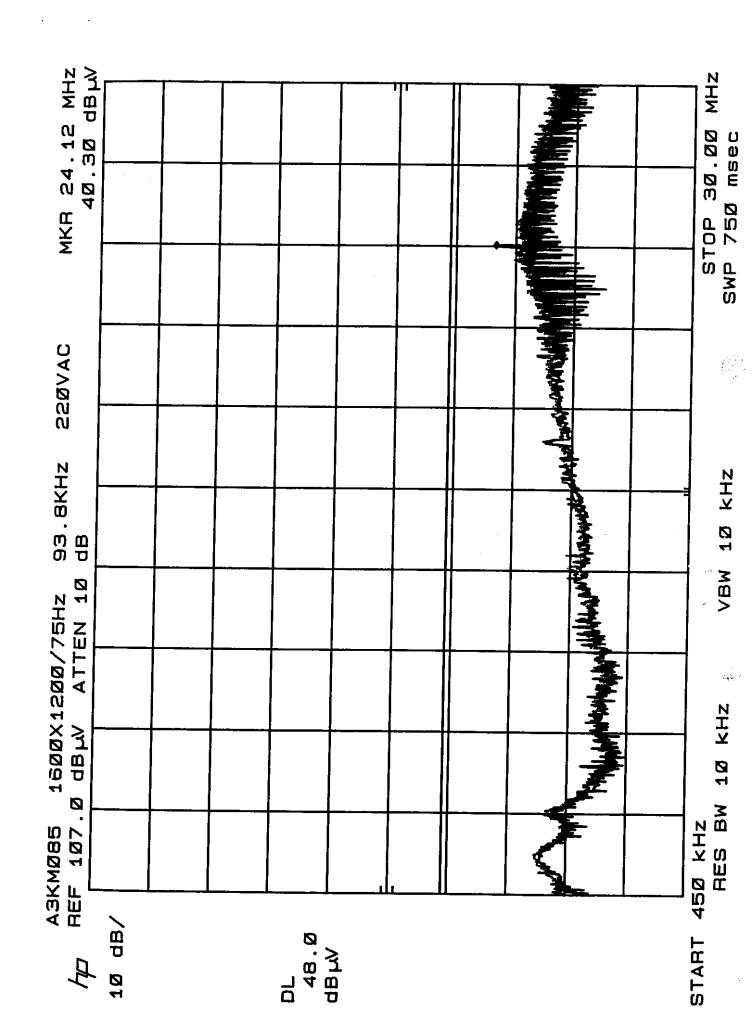
- # THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY
- # THIS REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT BY NULAP OR ANY ANGENCY OF THE U.S. GOVERNMENT

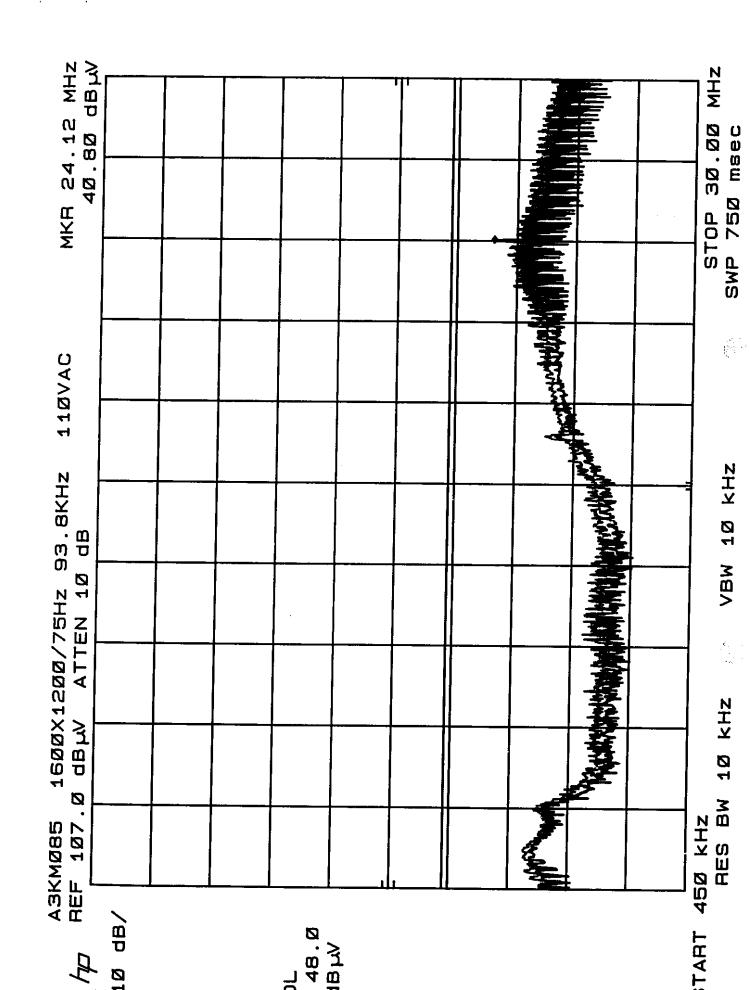
THE TEST RESULT WAS PASS FOR CLASS B LIMIT.

CHECKED BY: K. J. HZ

TESTED BY: FM Mir







FCC TEST REPORT

FCC ID : A3KMØ85 REPORT NO.: EMISS-077A TEST DATE : OCT/20/1998 TEST ENGI.: C.C.Wu

TEST PERFORMED BY PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD. CONSUMER ELECTRONICS DIVISION (PEI-CED) EMI-LAB

P.O.BOX 123

CHUNGLI, TAOYUAN, TAIWAN, R.O.C. TEL: 886-3-4549862 FAX: 886-3-4549887

MANUFACTURER : PEI-CFD

TESTED SYSTEM:

1. EUT : 1982502H COLOR MONITOR S/N.: TY9804077

FCC ID. : A3KMØ85

2. COMPUTER: COMPAQ DESKPRO DP 5000 S/N.: 7751BSD40011

FCC ID. : FCC LOGO

3. PRINTER : HP 2225C S/N.: 3145902419

FCC ID. : DSI6XU2225

4. MODEM : USRobotics 268 S/N.: 0002580559278575

FCC ID. : CJE-0318

5. MOUSE : COMPAQ M-534 S/N.: 1411189401

FCC ID. : DZL211029

6. KEYBOARD: COMPAQ RT101 S/N.: 17271

FCC ID. : AQ6-CYPRESSC15

7 VIDEO CARD : MGA II AGP S/N.: 007449

FCC ID. : FCC LOGO

8. CD_ROMD : SONY CDU31A S/N.: --

FCC ID. : KGACDU31A2

NOTE: TEST WAS PERFORMED IN ACCORDANCE WITH FCC MEASUREMENT PROCEDURE ANSI C63.4-1992 ''AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9KHz TO 40GHz''

MONITOR WAS CONNECTED TO FLOOR MOUNTED AC OUTLET. 91.1KHz MODE(1280X1024/85Hz) WAS TESTED. INTERFACE CABLE WITH THREE FERRITE CORES(ONE INSIDE) WAS TESTED. UNSHIELDED MAINS CORD WAS USED DURING TEST. ONE UPSTREAM USB CABLE WAS CONNECTED TO COMPUTER

THE TEST EQUIPMENT PLEASE REFER TO EQUIPMENT LIST AS ATTACHED.

DEVIATION: NONE

FREQUENCY (MHz)	HORIZONTAL (dBuv/m)	VERTICAL (dBuv/m)	FCC CLASS B LIMIT (dBuv/m)
39.42	28.24	32.84	40
52.55	26.83	28.93	40
65.68	27.18	31.08	4.0
118.23	30.38	32.28	43.5
131.34	30.31	31.91	43.5
157.61	28.8	31	43.5
168.Ø1	31.34	33.04	43.5

FCC ID : A3KM085 -- #077A CONT. --236.42 35.2 33.7 46 249.56 38.6 36 46 262.7 34.32 35.22 46 275.82 38.14 36.84 46 302.09 31.608 30.008 46 312.01 34.948 35.448 46 315.22 38.96 36.06 46 328.36 33.272 32.272 46 336.01 34.964 35.564 46 341.49 35.084 33.884 46 354.63 32.9 34.2 4 C 360.01 35.1 36.3 46 367.76 33.2 32.7 46 380.9 35.516 38,416 46 384.01 39.424 39.124 46 407.17 35.684 37.584 46 408.01 35.096 37.896 45 420.3 34.24 36.44 46 433.44 37.692 39.692 46 446.57 38.128 39.428 46 459.71 35.44 34.94 46 472.84 36.852 38.352 48 499.11 36.068 37.768 46 525.38 35.1 36.6 45 538.52 37.356 37.656 4.5 551.65 34.748 33.948 46 552.01 39.048 39.548 4 E 564.79 36.16 37.06 46 591.04 36.292 37.892 4 E 630.45 39.2 38.7 46 781.8 38.892 38.392 46

ABOVE READINGS ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED.
SPECTRUM ANALYZER SETTINGS:

R8W : 100KHz VBW : 100KHz

QUASI-PEAK READINGS ARE TAKEN WITH ROHDE & SCHWARZ EMI TEST RECEIVER 20 - 1000MHz ESVS 30 :

FREQUENCY	HORIZONTAL	VERTICAL	FCC CLASS B LIMIT
(MHz)	(dBuv/m)	(dBuv/m)	
192.01	AMBIENT	35.12	43.5
197.02	33.87	31.47	43.5
210.16	31.7	32.4	43.5
223.28	35.16	36.26	46
288.95	40.45	36.75	46
853.72	39.596	39.696	46

FCC ID : A3KM085 -- #077A CONT. --

THE SPECTRUM WAS SCANNED FROM 30 TO 1000 MHz AND THE SIGNIFICANT EMISSIONS ARE RECORDED.

TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 3-METER.

SAMPLE CALCULATION :

FINAL VALUE (dBuv/m) = ANTENNA FACTOR (dB) + CABLE (dB) + READING (dBuv/m)

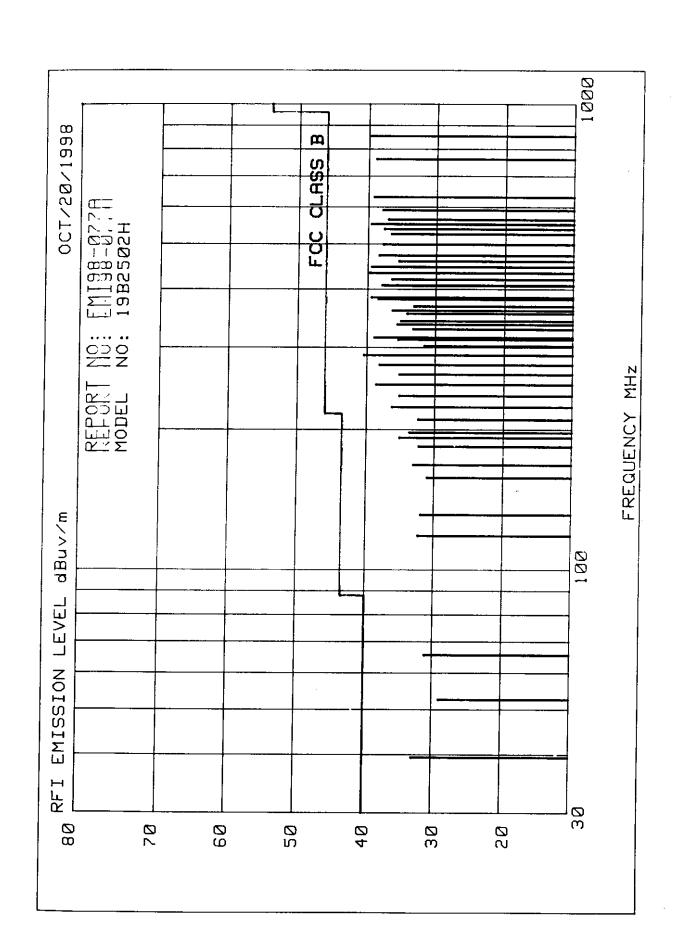
- # THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY
- # THIS REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT BY NULAP OR ANY ANGENCY OF THE U.S. GOVERNMENT

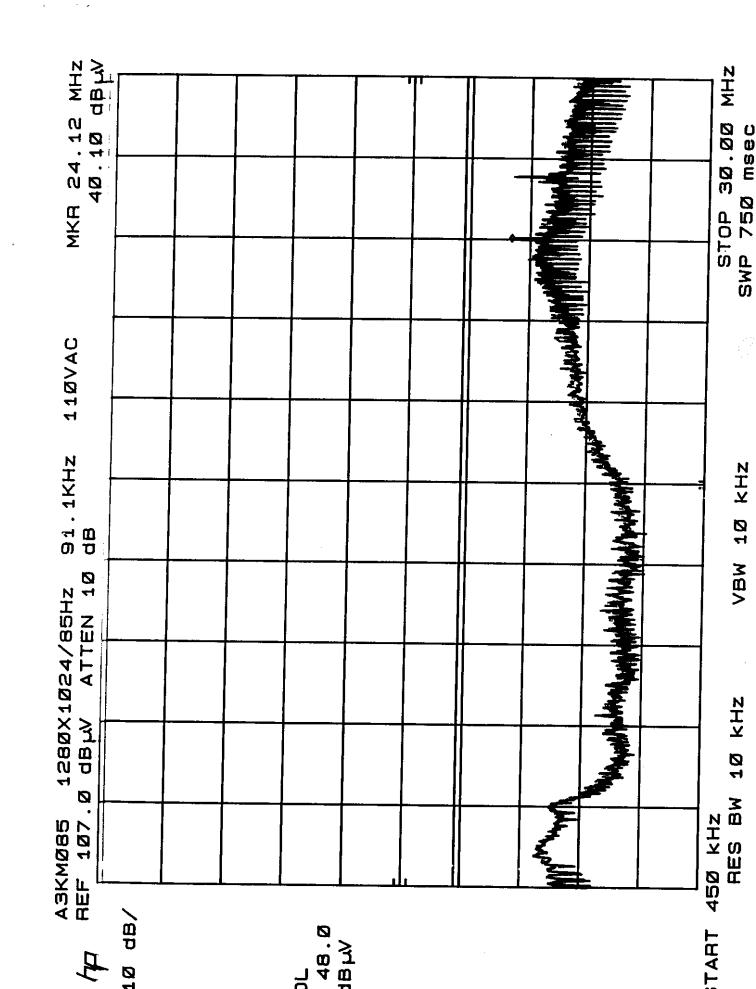
THE TEST RESULT WAS PASS FCC CLASS B LIMIT.

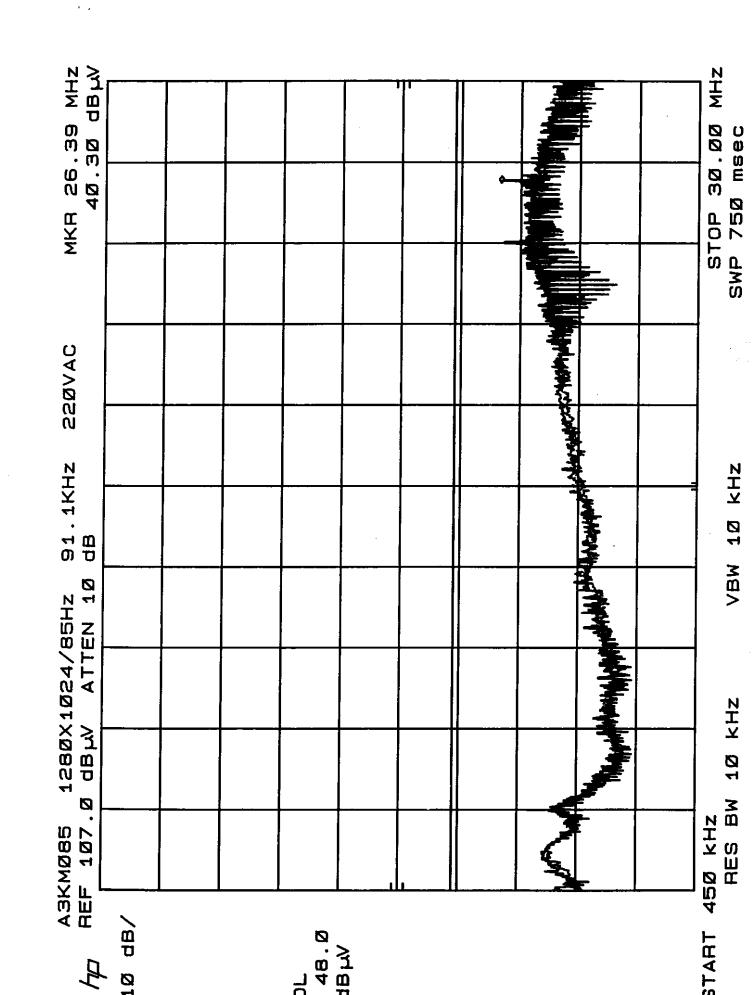
CHECKED BY: K.J.H K.J.HSU, NVLAP SIGNATORY

TESTED BY: 15 Mm

C.C.Wu







Statement of Data Measured and Test Data of Modified

STATEMENT OF DATA MEASURED

1. General Information of EUT

The EUT, 19" super VGA color monitor:

Model No. :

: 19C250JQ

FCC ID

: A3KM085

Brand

: Philips

The monitor automatically scans horizontal frequencies between 30HKz and 92KHz, and vertical frequencies between 50Hz and 160Hz. This color monitor displays sharp and brilliant images of text and graphics with a maximum resolution up to 1280X1024 pixels. With microprocessor based digital controlled circuit and software control, the monitor can automatically adjust itself to the video card's scanning frequency and displays an image with the precise parameters you desire.

The monitor has 10 factory-preset modes as indicated in the following table:

	Resolution	H-Frequency	V-Frequency	Remark
M01	640 X 400	31.5KHz	70Hz	Non-interlaced
M02	640 X 480	31.5KHZ	60Hz	Non-interlaced
M03	640 X 480	43.3KHz	85Hz	Non-interlaced
M04	800 X 600	46.9KHz	75Hz	Non-interlaced
M05	800 X 600	53.7KHz	85Hz	Non-interlaced
M06	1024 X 768	60.0KHz	75Hz	Non-interlaced
M07	1024 X 768	68.7KHz	85Hz	Non-interlaced
M08	1280 X 1024	80.0KHz	75Hz	Non-interlaced
M09	1280 X 960	86.0KHz	85Hz	Non-interlaced
M10	1280 X 1024	91.1KHz	85Hz	Non-interlaced

2. Test Equipment and Procedure

Test was performed by:

PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD. CONSUMER ELECTRONICS DIVISION EMI - LAB

5, Tze Chiang 1 Road, Chungli Industrial Park P.O. Box 123, Chungli, Taoyuan, Taiwan R. O. C.

Tel: 886-3-4549862

Fax: 886-3-4549887

Internet: ronnie.yang@cli.ce.philips.com

The test was performed in accordance with ANSI C63.4-1992, "AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9KHz TO 40GHz"

Test equipment used for line Conducted and Radiated emissions as following. All equipment were calibrated according to ANSI C63.4-1992 and ISO-9000 requirement unless otherwise specified.

Test Equipment	Model No.	Serial No.	Calibrated Date
Spectrum	HP8568B	2415A00346	5/07/1999
RF Preselector	HP85685A	2901A00746	5/07/1999
QP Adapter	HP85650A	2043A00366	5/07/1999
EMI Receiver	HP85460A	3441A00199	8/27/1998
RFI Filter Section	HP85460A	3330A00177	8/27/1998
EMI Receiver	R & S ESVS30	8419977/066	3/21/1999
Biconical Antenna	EMCO 3110B	3222	12/17/1998
Biconical Antenna	EMCO 3110B	3224	12/30/1998
Log-Periodic Antenna	EMCO 3146A	1424	12/29/1998
Log-Periodic Antenna	EMCO 3146A	1425	12/29/1998
LISN	EMCO 3825/2	9311-2153	3/15/1999
LISN	EMCO 3825/2	9311-2154	5/28/1999
Turn Table	EMCO 1060	1068	5/28/1999
Antenna Tower	EMCO 1050	1113	5/28/1999
RF Cable	M17/75-RG214-NE	N/A	5/28/1999
Computer	HP9000/300	2614A78610	N/A
Printer	HP2225A	2728S02586	N/A
Plotter	HP7440A	2539A40856	N/A

Traceability to R.O.C. and international standards is assured by using calibrated all equipment.

For system measurement, the EUT "19C250JQ" was connected to:

Item	Model No.	Serial No.	FCC ID
1. Computer	HP D5052N	FR80627957	FCC Logo Do C
2. Keyboard	HP C4735-60101	J7319E0092	FCC Logo D.C
3. Mouse	HP M-S34	LZA73005475	DEL211029
4. Printer	HP 2225C	3123S97227	DSI6XU2225
5. Modem	USRobotics 268	0002680559278575	CJE-0318
6. Vide Card	Metabute GIA 3D	10105	127MM-VS03A

The system was configured for testing in a typical fashion (as a customer would normally use it) according to ANSI C63.4-1992, please see the photographs for detail.

Both conducted and radiated testing were performed according to the procedure in ANSI C63.4-1992. Conducted testing was performed in screen room and radiated testing was performed in open site at an antenna to EUT distance of 3-meter on horizontal and vertical polarization.

First, pre-scan all modes in screen room then select 2 higher modes (worst case) were tested and reported.

The line conductive interference was tested with 110VAC and 220VAC receptively. Unshielded power cord was used during test.

Tested and reported modes as following:

Report No.	Resolution	Frequencies
EMI99-030	1280 X 1024	91.2KHz/85Hz
EM199-030A	1280 X 960	85.9KHz/85Hz

3. Test Program and Test Results

Set up the EUT and all peripherals as chapter 6 of ANSI C63.4-1992 for AC power line conducted emissions testing and radiated emissions testing.

Turn on the power of EUT and all peripherals, select an appropriate displaying mode using the "setup" software. Then run an EMI test program "HTEST.EMI" as a basic software to execute the EUT operating under test.

- Step 1: Run the "HTEST.EMI" on personal computer then sends "H" character to monitor continuously until full screen.
- Step 2: Personal computer sends a complete line of continuously repeating "H" to HP 2225C printer.
- Step 3: Personal computer sends a file of "H" pattern to floppy disk then read a file of "H" pattern from floppy disk.
- Step 4: Personal computer sends a file of "H" pattern to hard disk then read a file of "H" pattern from hard disk.
- Step 5: Personal computer sends a file of "H" patter to USRobotics 268 modem.
- Step 6: Return to step 1

All data in this report are "PEAK" value within 15dB margin unless otherwise noted. The radiated (open site) data has included antenna and cable factors, sample calculation:

Final Value $(dB\mu v/m)$ = Reading (dBuv) + Antenna Factor (dB) + Cable Loss (dB)

The measured data of radiated RF interference at open site and line conducted interference as attached.

The subject device is in compliance with the limits for a class B digital device, pursuant to part 15, subpart B of the FCC rules.

Ronnie Yang Manager, Safety/Dev. PEI-CED

NVLAP Signatory

FCC TEST REPORT

FCC ID : A3KM085 REPORT NO.: EMI99-030 TEST DATE : JUN/06/1999

TEST ENGI.: C.C.Wu

TEST PERFORMED BY
PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD.
CONSUMER ELECTRONICS DIVISION (PEI-CED)

EMI-LAB P.O.BOX 123

CHUNGLI, TAOYUAN, TAIWAN, R.O.C.

TEL: 886-3-4549862 FAX: 886-3-4549887

MANUFACTURER : PHILIPS TESTED SYSTEM:

1. EUT : 19C250JQ COLOR MONITOR S/N.: TY9904030

FCC ID. : A3KMØ85

2. COMPUTER: HP D5052N S/N.: FR80627957

FCC ID. : FCC LOGO

3. PRINTER: HP 22250 S/N.: 3145502419

FCC ID. : DSI6XU2225

4. MODEM : USRobotics 268 S/N.: 0002680559278575

FCC ID. : CJE-0318

5. MOUSE : HP M-S34 S/N.: LZA73005475

FCC ID. : DZL211029

6. KEYBOARD: HP C4735-60101 S/N.: J7319E0092

FCC ID. : FCC LOGO

7. VIDEO CARD : METABYTE GIA 3D S/N.: 10105

FCC ID. : I27MM-USØ3A

8. CD_ROMD : SONY CDU31A S/N.: --

FCC ID. : KGACDU31A2

NOTE: TEST WAS PERFORMED IN ACCORDANCE WITH FCC MEASUREMENT PROCEDURE ANSI C63.4-1992 ''AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9KHz TO 40GHz''

MONITOR WAS CONNECTED TO FLOOR MOUNTED AC OUTLET.
91.1KHz MODE(1280X1024/85Hz) WAS TESTED.
INTERFACE CABLE WITH THREE FERRITE CORES(ONE INSIDE) WAS TESTED.
UNSHIELDED MAINS CORD WAS USED DURING TEST.

THE TEST EQUIPMENT PLEASE REFER TO EQUIPMENT LIST AS ATTACHED.

DEVIATION: NONE

FREQUENCY (MHz)	HORIZONTAL (dBuy/m)	VERTICAL (dBuv/m)	FCC CLASS B LIMIT (dBuv/m)
40.45	29.4	31	40
47.18	26.98	27.68	40
60.69	26.63	29.73	40
67.42	25.41	27.91	40
134.85	29.15	29.15	43.5
148.34	29.38	AMBIENT	43.5
195 54	77 OC	30 CC	47 🖺

			FCC ID : A3KMØ85
			#030 CONT
229.25	33.08	35.38	46
229.52	31.3	33.3	46
235.99	36.8	38.3	46
262. 9 6	39.92	35.82	46
276.44	37.74	36.24	46
283.19	37.15	35.25	46
289.93	37	36	46
303.41	33.312	31.812	46
310.15	31.34	30.54	46
316.91	32.368	31.668	46
323.65	31.496	31.196	46
337.13	31.488	31.788	46
404.57	33.06	34.36	46
411.31	32.732	32.332	46
424.79	32.3	32.7	46
431.53	32.168	33.568	46
451.75	33.348	37.248	46
532.63	36.432	34.732	46

ABOVE READINGS ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED. SPECTRUM ANALYZER SETTINGS:

RBW : 100KHz UBW : 100KHz

QUASI-PEAK READINGS ARE TAKEN WITH ROHDE & SCHWARZ EMI TEST RECEIVER 20 - 1000MHz ESVS 30:

RADIATED RF LEVEL - QUASI-PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuv/m)	VERTICAL (dBuv/m)	FCC CLASS B LIMIT (dBuv/m)
155.08	32.85	31.95	43.5
161.82	32.76	33.96	43.5
168.56	31.97	31.57	43.5
202.28	37.6	35.1	43.5
209.03	33.4	31.7	43.5
222.51	33.56	31.56	46
249.48	37.86	36.96	46
256.22	39	36.3	46
269.7	43.5	AMBIENT	46

THE SPECTRUM WAS SCANNED FROM 30 TO 1000 MHz AND THE SIGNIFICANT EMISSIONS ARE RECORDED.

TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 3-METER.

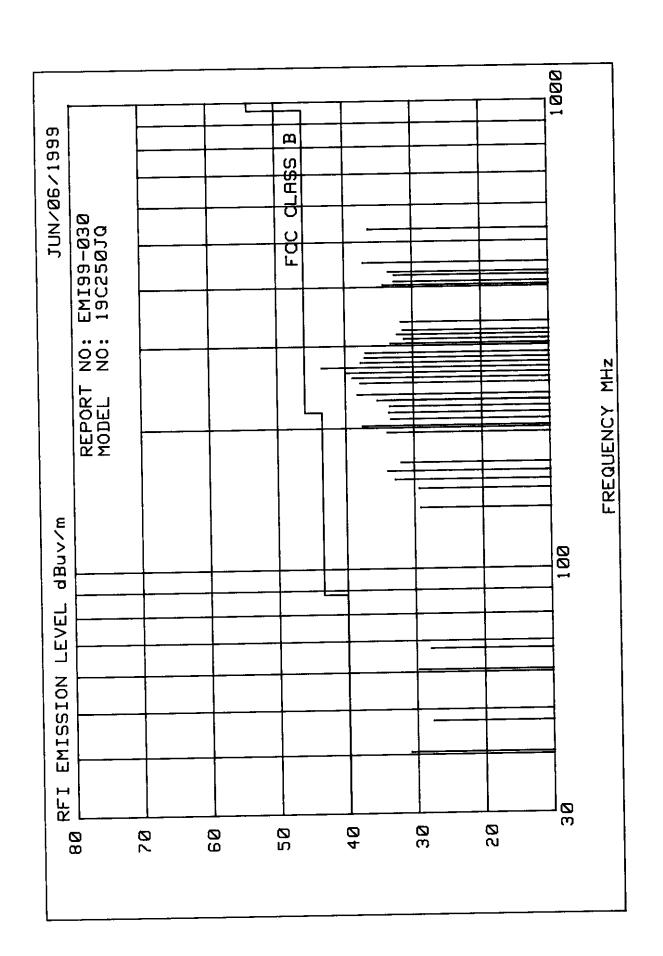
- # SAMPLE CALCULATION :
 - FINAL VALUE (dBuv/m) = ANTENNA FACTOR (dB) + CABLE (dB) + READING (dBuv/m)
- # THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY
- # THIS REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT BY NVLAP OR ANY ANGENCY OF THE U.S. GOVERNMENT THE TEST RESULT WAS PASS FCC CLASS B LIMIT.

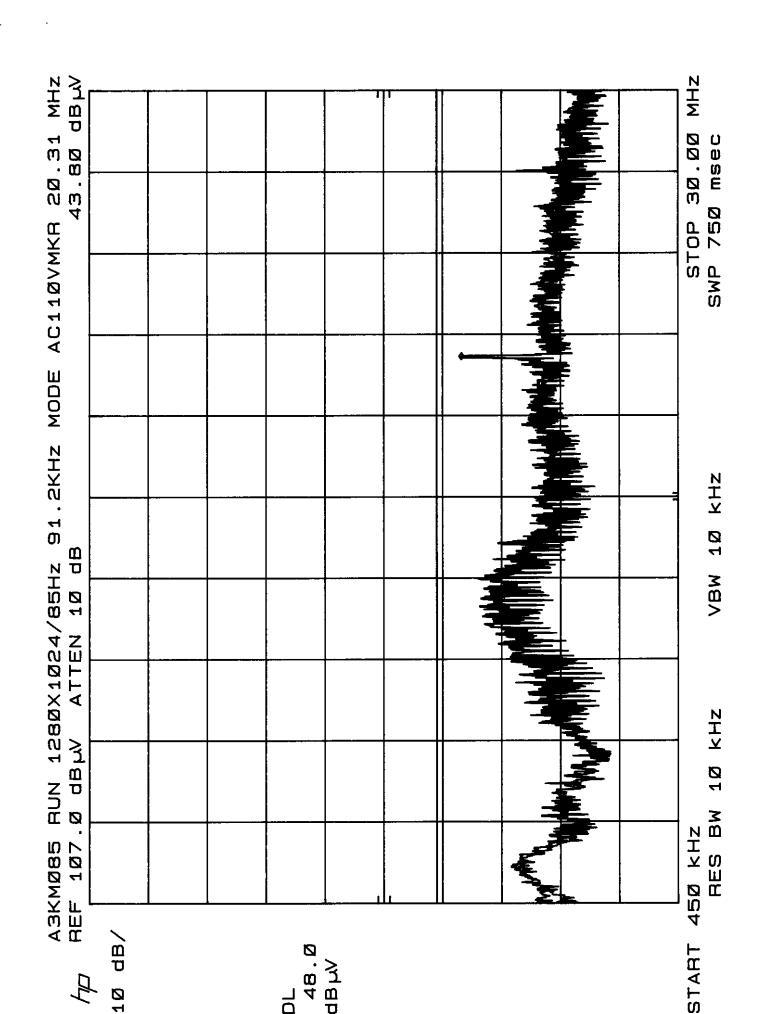
CHECKED BY: K. J. 1/2

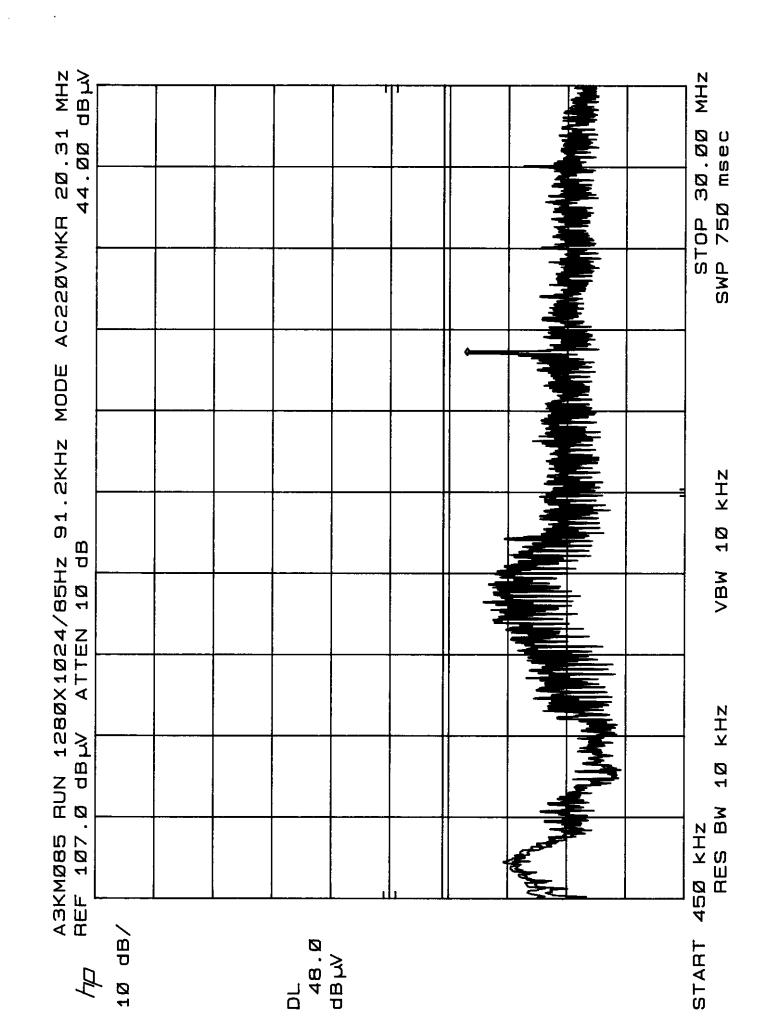
TESTED BY: 6. MM

K.J.HSU, NVLAP SIGNATORY

C.C.Wu







FCC TEST REPORT

FCC ID : A3KM085
REPORT NO.: EMI99-030A
TEST DATE : JUN/07/1999
TEST ENGI.: C.C.Wu

TEST PERFORMED BY
PHILIPS ELECTRONICS INDUSTRIES (TAIWAN) LTD.
CONSUMER ELECTRONICS DIVISION (PEI-CED)

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MANUFACTURER : PHILIPS TESTED SYSTEM:

1. EUT : 19C250JQ COLOR MONITOR S/N.: TY9904030

FCC ID. : A3KMØ85

2. COMPUTER: HP D5052N S/N.: FR80627957

FCC ID. : FCC LOGO

3. PRINTER : HP 2225C S/N.: 3145S02419

FCC ID. : DSI6XU2225

4. MODEM : USRobotics 268 S/N.: 0002680559278575

FCC ID. : CJE-0318

5. MOUSE : HP M-S34 S/N.: LZA73005475

FCC ID. : DZL211029

6. KEYBOARD: HP C4735-60101 S/N.: J7319E0092

FCC ID. : FCC LOGO

7. VIDEO CARD : METABYTE GIA 3D S/N.: 10105

FCC ID. : I27MM-VSØ3A

8. CD_ROMD : SONY CDU31A S/N.: --

FCC ID. : KGACDU31A2

NOTE: TEST WAS PERFORMED IN ACCORDANCE WITH FCC MEASUREMENT PROCEDURE ANSI C63.4-1992 ''AMERICAN NATIONAL STANDARD FOR MEASUREMENT OF RADIO-NOISE EMISSION FROM LOW-VOLTAGE ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9KHz TO 40GHz''

MONITOR WAS CONNECTED TO FLOOR MOUNTED AC OUTLET. 81.1KHz MODE(1280X1024/85Hz) WAS TESTED. INTERFACE CABLE WITH THREE FERRITE CORES(ONE INSIDE) WAS TESTED. UNSHIELDED MAINS CORD WAS USED DURING TEST.

THE TEST EQUIPMENT PLEASE REFER TO EQUIPMENT LIST AS ATTACHED.

DEVIATION: NONE

FREQUENCY (MHz)	HORIZONTAL (dBuv/m)	VERTICAL (dBuv/m)	FCC CLASS B LIMIT (dBuv/m)
41.16	31.64	32.44	40
61.75	25.36	29.56	40
68.62	25.97	27.57	40
137.22	29.27	30,27	43.5
171.55	32.16	32.86	43.5
185.28	30.45	31.95	43.5
240 10	74.7	70.4	4.65

-- #030A CONT. --37.34 250.74 39.44 46 267.6 39.82 34.82 46 301.93 33**.50**8 32.808 46 46 31.336 30.936 308.79 31.764 31.164 46 315.65 329.37 31.096 3**0.**196 46 398.45 34.028 35.028 46 34.244 46 411.72 33.144 33.828 32.928 46 418.6 32.736 439.17 33.736 46 459.76 32.34 32.84 46 32.908 32.808 46 466.62 46 33.76 480.35 33.46 33.996 34.196 46 548.97 45 33.844 34.444 555.84

ABOVE READINGS ARE PEAK READINGS WITH CABLE AND ANTENNA FACTORS INCLUDED. SPECTRUM ANALYZER SETTINGS:

RBW : 100KHz VBW : 100KHz

QUASI-PEAK READINGS ARE TAKEN WITH ROHDE & SCHWARZ EMI TEST RECEIVER 20 - 1000MHz ESVS 30:

RADIATED RF LEVEL - QUASI-PEAK VALUE

FREQUENCY (MHz)	HORIZONTAL (dBuy/m)	VERTICAL (dBuv/m)	FCC CLASS B LIMIT (dBuv/m)
157.81	32.7	AMBIENT	43.5
164.68	33.55	34.65	43.5
205.86	36	AMBIENT	43.5
212.72	31.84	33.24	43.5
219.58	31.3	33.1	46
253.89	39.8	36.8	46
274.48	38.9 6	34.46	46

THE SPECTRUM WAS SCANNED FROM 30 TO 1000 MHz AND THE SIGNIFICANT EMISSIONS ARE RECORDED.

TEST DISTANCE BETWEEN DEVICE UNDER TEST AND RECEIVING ANTENNA WAS 3-METER.

- # SAMPLE CALCULATION :
 - FINAL VALUE (dBuv/m) = ANTENNA FACTOR (dB) + CABLE (dB) + READING (dBuv/m)
- # THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY
- # THIS REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT BY NULAP OR ANY ANGENCY OF THE U.S. GOVERNMENT

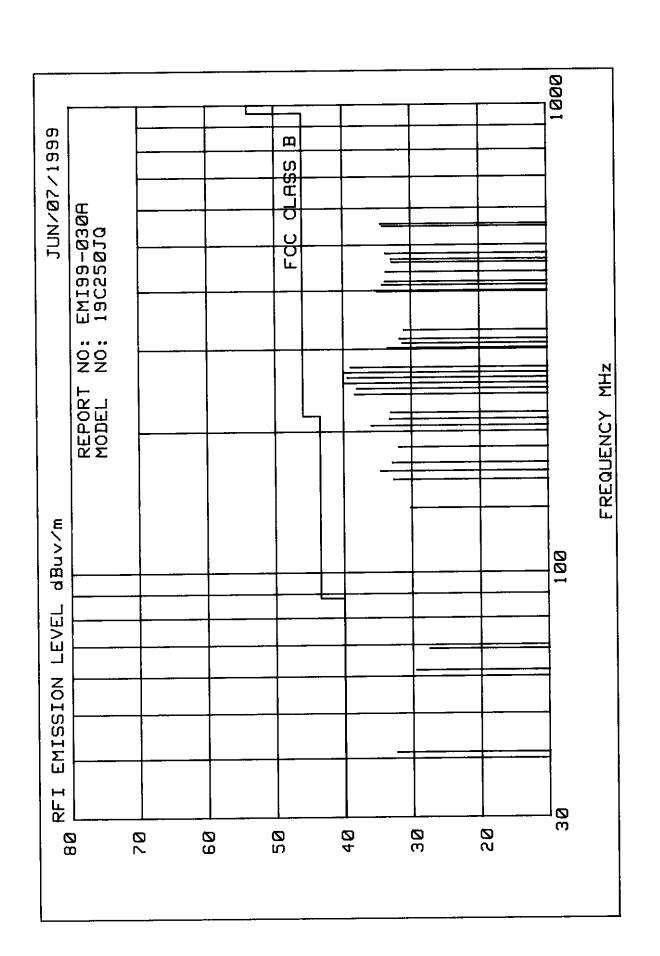
THE TEST RESULT WAS PASS FCC CLASS B LIMIT.

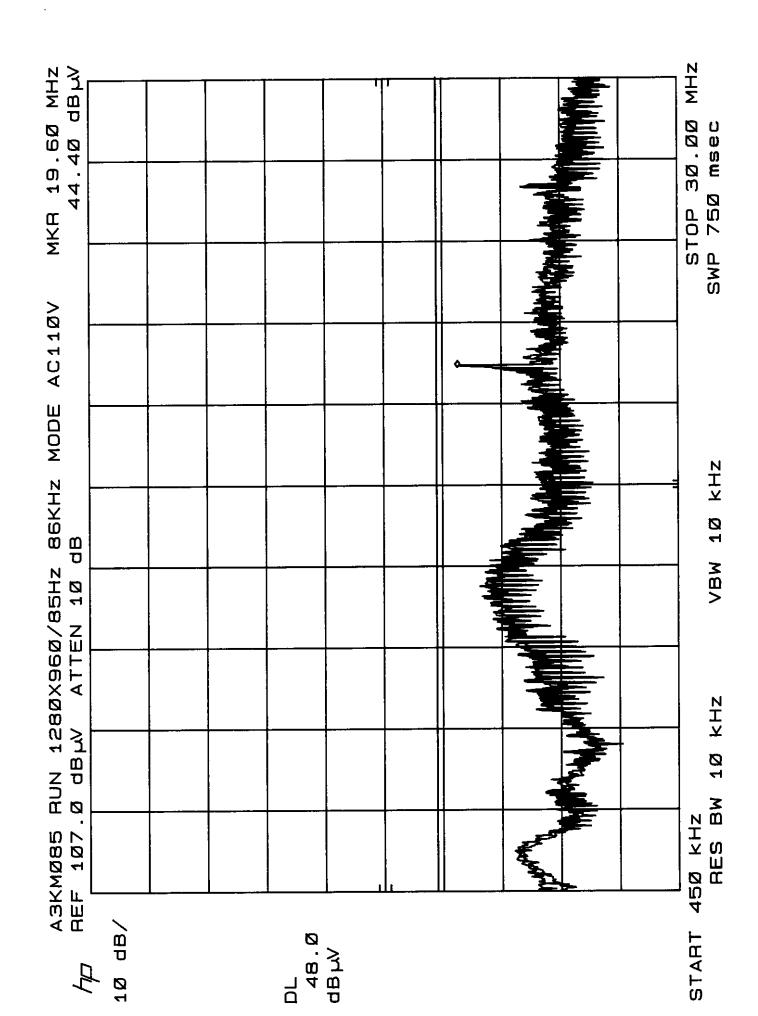
CHECKED BY: K. J. H2

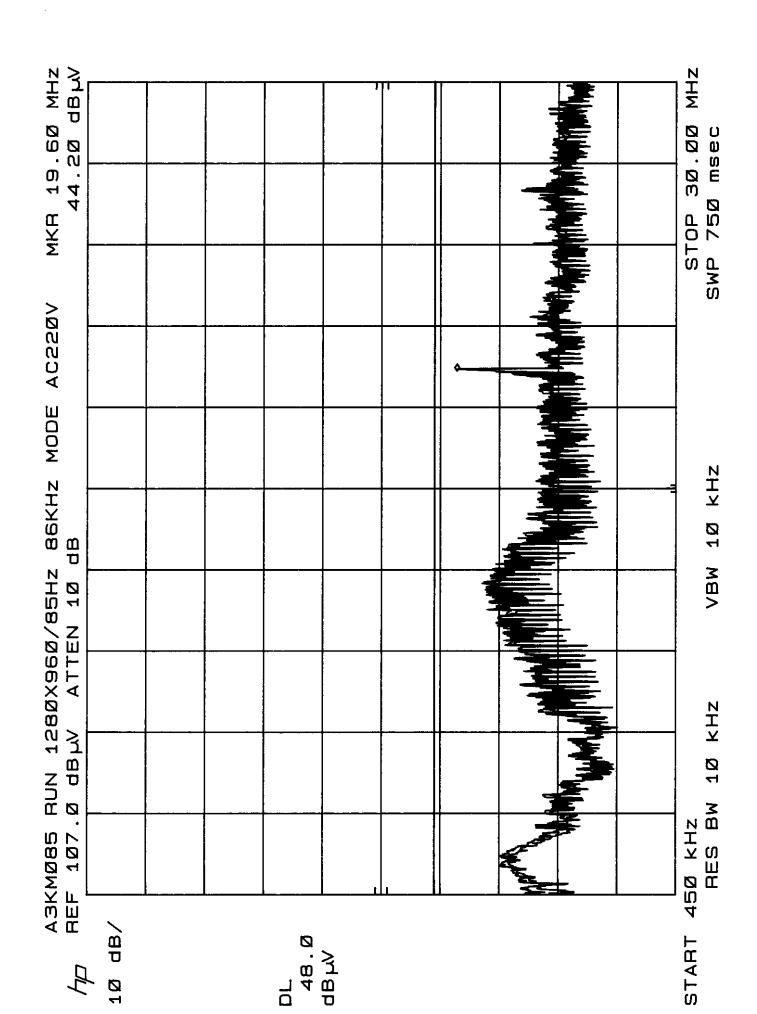
TESTED BY:

C.C.Wu

FCC ID : A3KM085







Photographs