EMC

TEST REPORT

REPORT NO. : F88050602
MODEL NO. : PCM-5896, PCM-6890
DATE OF TEST : May 07, 1999

PREPARED FOR: AAEON TECHNOLOGY INC.

ADDRESS : 1F, NO. 6, ALLEY 6, LANE 45, PAO-HSIN RD.,
HSIN-TIEN CITY, TAIPEI, TAIWAN, R.O.C.

PREPARED BY: ADVANCE DATA TECHNOLOGY CORPORATION

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11F, NO.1, SEC.4, NAN-KING EAST RD.,
TAIPEI, TAIWAN, R.O.C.

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1. CERTIFICATION

Issue Date: May 12, 1999

Product	:	CPU BOARD
Trade Name	:	AAEON
Model No.	:	PCM-5896, PCM-6890
Applicant	:	AAEON TECHNOLOGY INC.
Standard	:	FCC Part 15, Subpart B, Class A ANSI C63.4-1992 CISPR 22:1993+A1:1995+A2:1996

We hereby certify that one sample of the designation has been tested in our facility on May 07, 1999. The test record, data evaluation and Equipment Under Test (EUT) configurations represent herein are true and accurate representation of the measurements of the sample's EMC characteristics under the conditions herein specified.

The test results show that the EUT as described in this report is in compliance with the Class A limits of conducted and radiated emission of applicable standards.

TESTED BY : Jackey Chang DATE: 5/12/99
(Jackey Chang)

CHECKED BY : Stacy Chang, DATE: 5/12/99
(Stacy Chang)

APPROVED BY : Mike Su , DATE: 5/12/99.
(Mike Su)

ADVANCE DATA TECHNOLOGY CORPORATION

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2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product	:	CPU BOARD
Model No.	:	PCM-5896, PCM-6890
Power Supply	:	Switching (from PC)

Note: During the test, the EUT was installed in a metal enclosure with a slot board to form an industrial PC.

The EUT has two model names which are identical to each other in all aspects except for their CPU and CPU socket. Both of the two models were tested separately and recorded in this report in two modes.

	MODE 1	MODE 2
MODEL	PCM-5896	PCM-6890
CPU	AMD, K6-2, 266~350MHz	INTEL CELERON™ processor 333~433MHz
CPU SOCKET	INTEL SOCKET 7	INTEL 370-pin SOCKET
HDD	IBM, HEA-34330	
FDD	TEAC, FD-235HF	
CHASSIS	AAEON, AIPC-110	
SPS	SEVENTEAM, ST-250GL	

The EUT has a resolution up to 1024x768, 256 color.

For more detailed features description, please refer to Manufacturer's Specification or User's Manual.

2.2 DESCRIPTION OF SUPPORT UNITS

The EUT was installed into a system and tested together with necessary accessories or support units during the test. The following support units or accessories are used to form representative test configuration during the tests.

No	Product	Brand	Model No.	FCC ID	I/O Cable
1	COLOR MONITOR	ADI	PD-959	FCC DoC Approved	Nonshielded Signal (1.5m) Shielded Power (1.8m)
2	PRINTER	HP	2225C+	DSI6XU2225	Nonshielded Signal (1.2m) Shielded Power (1.5m)
3	MODEM x4	ACEEX	1414	IFAXDM1414	Shielded signal (1.2m) Nonshielded Power (1.5m)
4	KEYBOARD	BTC	5140	E5XKBM10410	Shielded Signal (1.2m)
5	MOUSE	DEXIN	A2P800A	NIYA2P800A	Shielded signal (1.5m)
6	USB KEYBOARD	BTC	7932	E5XKBUCP10410	Shielded Signal (1.8m)
7	USB MOUSE	DEXIN	A2U800A	NIYA2U800A	Shielded Signal (1.5m)
8	PC	IBM	6560-T7T	AN06260F	Nonshielded power (1.8m) Shielded Signal (1.8m)
9	MONITOR	ADI	7133D	JVP7133D	Shielded signal (1.5m) Nonshielded power (1.8m)
10	KEYBOARD	FORWARD	FDA-104GA	F4ZDA-104G	Nonshielded signal (1.5m)
11	MOUSE	DEXIN	A2P800A	NIYA2P800A	Shielded signal (1.5m)
12	LAN CARD	INTEL	S82555	EJMNPDSPD035	Shielded signal (10.0m)

Note: 1. Support unit 1~7 acted as SERVER PC and communicated with support unit 8-12 which acted as HOST PC and systems of communication partner via a UTP cable (10m).
2. Support unit 6 & 7 were connected to the USB ports of EUT.

2.3 TEST METHODOLOGY AND CONFIGURATION

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4: 1992. Radiated testing was performed at an antenna to EUT distance of 10 m on an open area test site.

Please refer to the photos of test configuration in Item 5.

3. TEST INSTRUMENTS

3.1 TEST INSTRUMENTS (EMISSION)

CONDUCTED EMISSION MEASUREMENT

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
ROHDE & SCHWARZ Test Receiver	ESHS30	828109/007	July 22, 1999
ROHDE & SCHWARZ Artificial Mains Network	ESH2-Z5	892107/003	July 20, 1999
EMCO L.I.S.N.	3825/2	9504-2359	July 20, 1999
Shielded Room	Site 3	ADT-C03	NA

Note: 1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per NAMA's document NIS81.

2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to NML/ROC and NIST/USA.

RADIATED EMISSION MEASUREMENT

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
HP Spectrum Analyzer	8594E	3412A01132	Sept. 24, 1999
CHASE Preamplifier	CPA9231A/4	3215	Nov. 1, 1999
HP Preamplifier	8347A	3307A01088	Sept. 9, 1999
ROHDE & SCHWARZ TEST RECEIVER	ESVS 10	846285/012	Dec. 14, 1999
SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	E101051 E101055	Nov. 25, 1999
CHASE BILOG Antenna	CBL6112	2074	Dec. 25, 1999
EMCO Double Ridged Guide Antenna	3115	9312-4192	April 5, 2000
CHANCE Turn Table & Tower Controller	ACS-I	NA	NA
Open Field Test Site	Site 6	ADT-R06	Dec. 24, 1999

Note: 1. The measurement uncertainty is less than +/- 3dB, which is calculated as per NAMA's document NIS81.

2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to NML/ROC and NIST/USA.

3.2 LIMITS OF CONDUCTED AND RADIATED EMISSION

LIMIT OF RADIATED EMISSION OF CISPR 22

FREQUENCY (MHz)	Class A (at 10m) * dBuV/m	Class B (at 10m) * dBuV/m
30 - 230	40	30
230 - 1000	47	37

* Detector Function: Quasi-Peak

LIMIT OF RADIATED EMISSION OF FCC PART 15, SUBPART B FOR FREQUENCY ABOVE 1000 MHz

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	Peak	Average	Peak	Average
Above 1000	80.0	60.0	74.0	54.0

Note: (1) The lower limit shall apply at the transition frequencies.
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

LIMIT OF CONDUCTED EMISSION OF CISPR 22

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note: (1) The lower limit shall apply at the transition frequencies.
(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz
(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4. TEST RESULTS (EMISSION)

4.1 RADIO DISTURBANCE

Frequency Range	:	0.15 - 30 MHz (Conducted Emission)
		30 - 2000 MHz (Radiated Emission)
Input Voltage	:	120 Vac, 60 Hz
Temperature	:	23 ℃
Humidity	:	70 %
Atmospheric Pressure	:	996 mbar

TEST RESULT	Remarks
PASS	Minimum passing margin of conducted emission: -20.4 dB at 19.533 &19.534 MHz Minimum passing margin of radiated emission: -4.0 dB at 350.00 MHz

4.2 EUT OPERATION CONDITION

1. Turn on the power of all equipments.
2. Industrial PC reads a test program to enable all functions.
3. Industrial PC reads and writes messages from HDD.
4. Industrial PC sends and receives messages to and from HOST PC via a UTP cable.
5. Industrial PC sends "H" messages to monitor and monitor display "H" patterns on screen.
6. Industrial PC sends "H" messages to modem.
7. Industrial PC sends "H" messages to printer, and the printer prints them on paper.
8. Repeat steps 2-8.

4.3 TEST DATA OF CONDUCTED EMISSION (A)

EUT: **CPU BOARD** MODEL: **PCM-5896**

6 dB Bandwidth: 10 kHz MODE: **1**

PHASE: **LINE (L)**

Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.186	0.2	38.2	-	38.4	-	79.0	66.0	-40.6	-
0.303	0.2	29.1	-	29.3	-	79.0	66.0	-49.7	-
3.867	0.5	31.2	-	31.7	-	73.0	60.0	-41.3	-
9.233	0.8	37.7	-	38.5	-	73.0	60.0	-34.5	-
19.533	1.2	51.4	-	52.6	-	73.0	60.0	-20.4	-
24.730	1.4	45.4	-	46.8	-	73.0	60.0	-26.2	-

Remarks:
1. "*": Undetectable
2. Q.P. and AV. are abbreviations of quasi-peak and average individually.
3. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.

ADT CO. Shielded Room 3

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CISPR22 CLASS A

Report No. F880502

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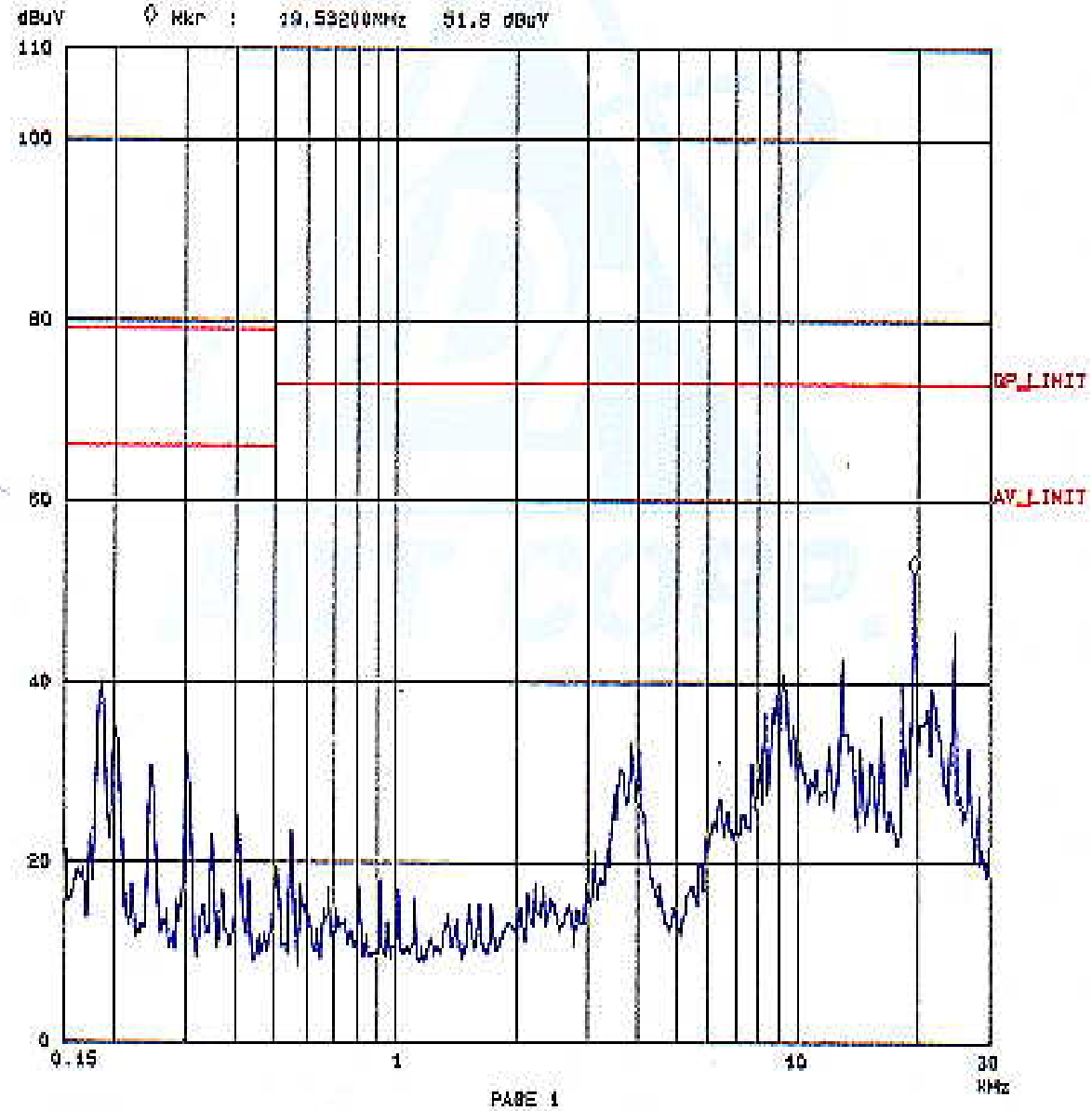
Tested by Jackey Chang

EUT: PGM-5898
Op Cond: 1024K768 256 COLOR
Operator: JACKEY
Test Spec: LISN : L
Comment: 120V AC/60Hz
MODE 1: RG-2 400MHz (100MHz)

Fast Scan Settings [3 Ranges]

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150k	450k	3k	10k	PK	0.05ms	10dBLN	OFF	80dB
450k	5M	3k	10k	PK	0.05ms	10dBLN	OFF	80dB
5M	30M	3k	10k	PK	0.05ms	10dBLN	OFF	80dB



TEST DATA OF CONDUCTED EMISSION

EUT: **CPU BOARD** MODEL: **PCM-5896**

6 dB Bandwidth: 10 kHz MODE: **1**

PHASE: **NEUTRAL (N)**

Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.186	0.2	34.9	-	35.1	-	79.0	66.0	-43.9	-
0.303	0.2	22.0	-	22.2	-	79.0	66.0	-56.8	-
3.867	0.4	28.4	-	28.8	-	73.0	60.0	-44.2	-
9.233	0.6	35.9	-	36.5	-	73.0	60.0	-36.5	-
19.533	0.8	51.1	-	51.9	-	73.0	60.0	-21.1	-
24.730	1.0	45.2	-	46.2	-	73.0	60.0	-26.8	-

Remarks:
1. "*": Undetectable
2. Q.P. and AV. are abbreviations of quasi-peak and average individually.
3. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.

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CISPR22 CLASS A

Report No. F88050602
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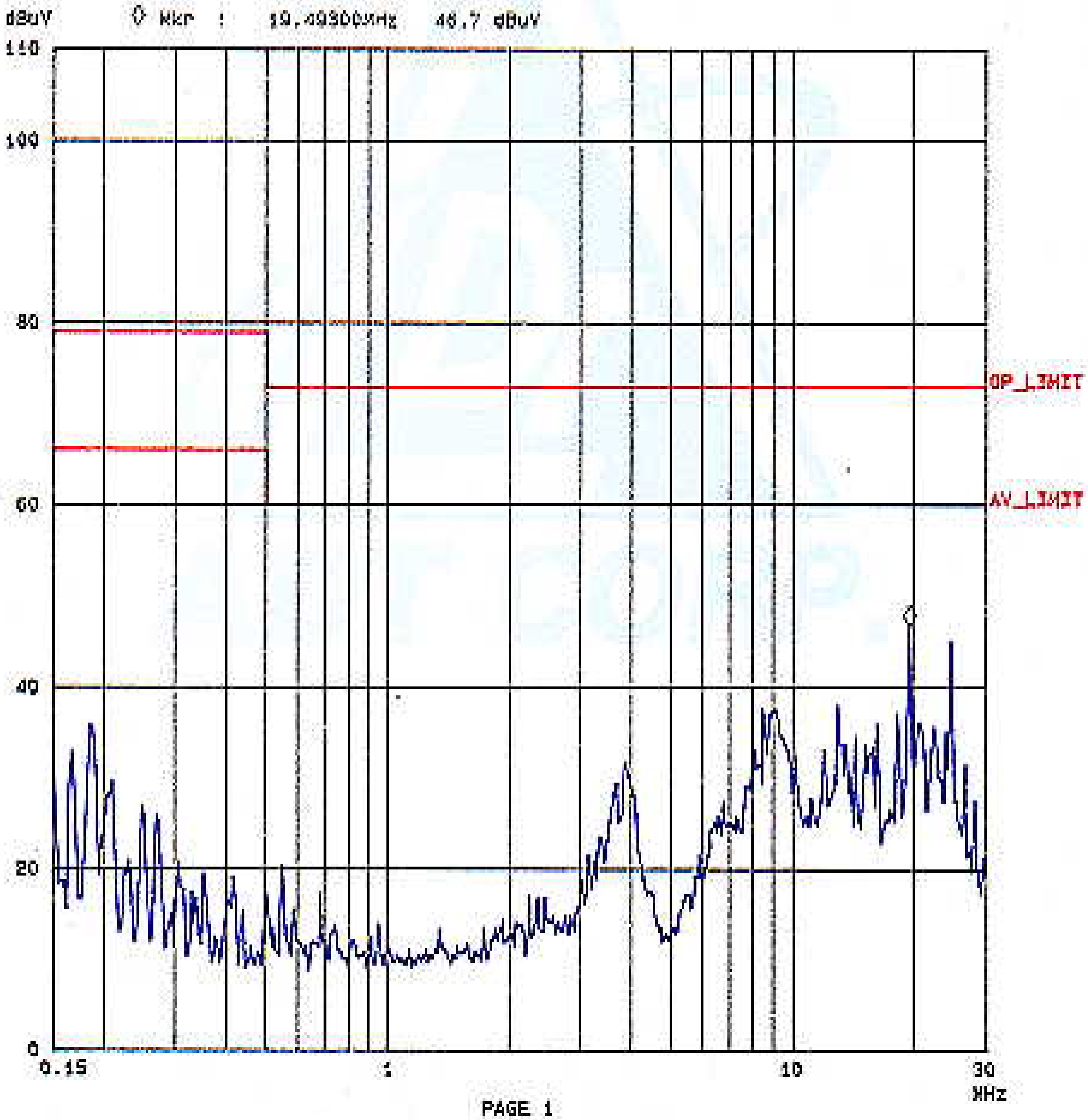
Tested by Jackey Chong

EUT: PCM-5898
Op Cond: 1024X768 256 COLOR
Operator: JACKEY
Test Spec: LISN : N
Comment: 120V AC/60Hz
MODE 1: K6-2 400MHz (100MHz)

Fast Scan Settings (3 Ranges)

Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150k	450k	9k	10K	PK	0.05ms	10dBLN	OFF	60dB
450k	5M	9k	10K	PK	0.05ms	10dBLN	OFF	60dB
5M	30M	9k	10K	PK	0.05ms	10dBLN	OFF	60dB



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4.4 TEST DATA OF CONDUCTED EMISSION (B)

EUT: **CPU BOARD** MODEL: **PCM-6890**

6 dB Bandwidth: 10 kHz MODE: **2**

PHASE: **LINE (L)**

Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.187	0.2	38.4	-	38.6	-	79.0	66.0	-40.4	-
0.305	0.2	29.1	-	29.3	-	79.0	66.0	-49.7	-
3.866	0.5	31.4	-	31.9	-	73.0	60.0	-41.1	-
9.232	0.8	37.8	-	38.6	-	73.0	60.0	-34.4	-
13.006	0.8	42.6	-	43.4	-	73.0	60.0	-29.6	-
19.534	1.2	51.4	-	52.6	-	73.0	60.0	-20.4	-

Remarks:
1. "*": Undetectable
2. Q.P. and AV. are abbreviations of quasi-peak and average individually.
3. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.

ADT CO. Shielded Room 3

07. May 99 20:22

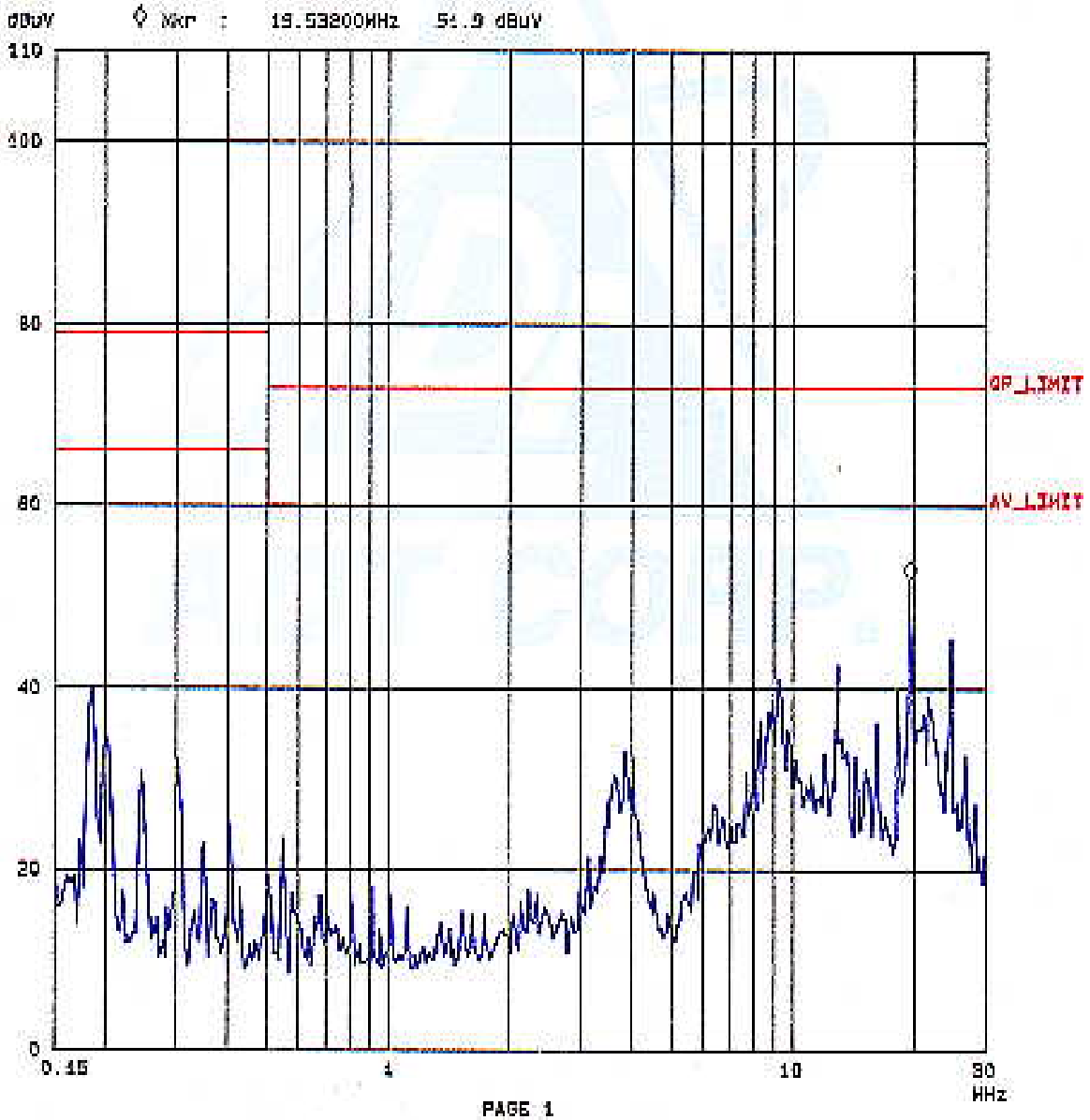
CISPR22 CLASS A

Report No. F8805602
Page 1 (1)
Tested by Jackey Chung

EUT: PCN-6390
Op Cond: 1024X768 256 COLOR
Operator: JACKEY
Test Spec: LISN : L
Comment: 120V AC/60Hz
MODE 2: CELERON 400MHz (66.6MHz)

Test Scan Settings (3 Ranges)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	DpRge
150k	450k	9k	10k	PK	0.05ms	10dBLN	OFF	60dB
450k	5M	9k	10k	PK	0.05ms	10dBLN	OFF	60dB
5M	30M	9k	10k	PK	0.05ms	10dBLN	OFF	60dB



TEST DATA OF CONDUCTED EMISSION

EUT: **CPU BOARD** MODEL: **PCM-6890**

6 dB Bandwidth: 10 kHz MODE: **2**

PHASE: **NEUTRAL (N)**

Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.187	0.2	35.9	-	36.1	-	79.0	66.0	-42.9	-
0.305	0.2	23.0	-	23.2	-	79.0	66.0	-55.8	-
3.866	0.4	28.8	-	29.2	-	73.0	60.0	-43.8	-
9.232	0.6	35.6	-	36.2	-	73.0	60.0	-36.8	-
13.006	0.6	42.5	-	43.1	-	73.0	60.0	-29.9	-
19.534	0.8	51.1	-	51.9	-	73.0	60.0	-21.1	-

Remarks:
1. "*": Undetectable
2. Q.P. and AV. are abbreviations of quasi-peak and average individually.
3. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
4. The emission levels of other frequencies were very low against the limit.
5. Margin value = Emission level - Limit value
6. Emission Level = Correction Factor + Reading Value.

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CISPR22 CLASS A

Report No. F88050602
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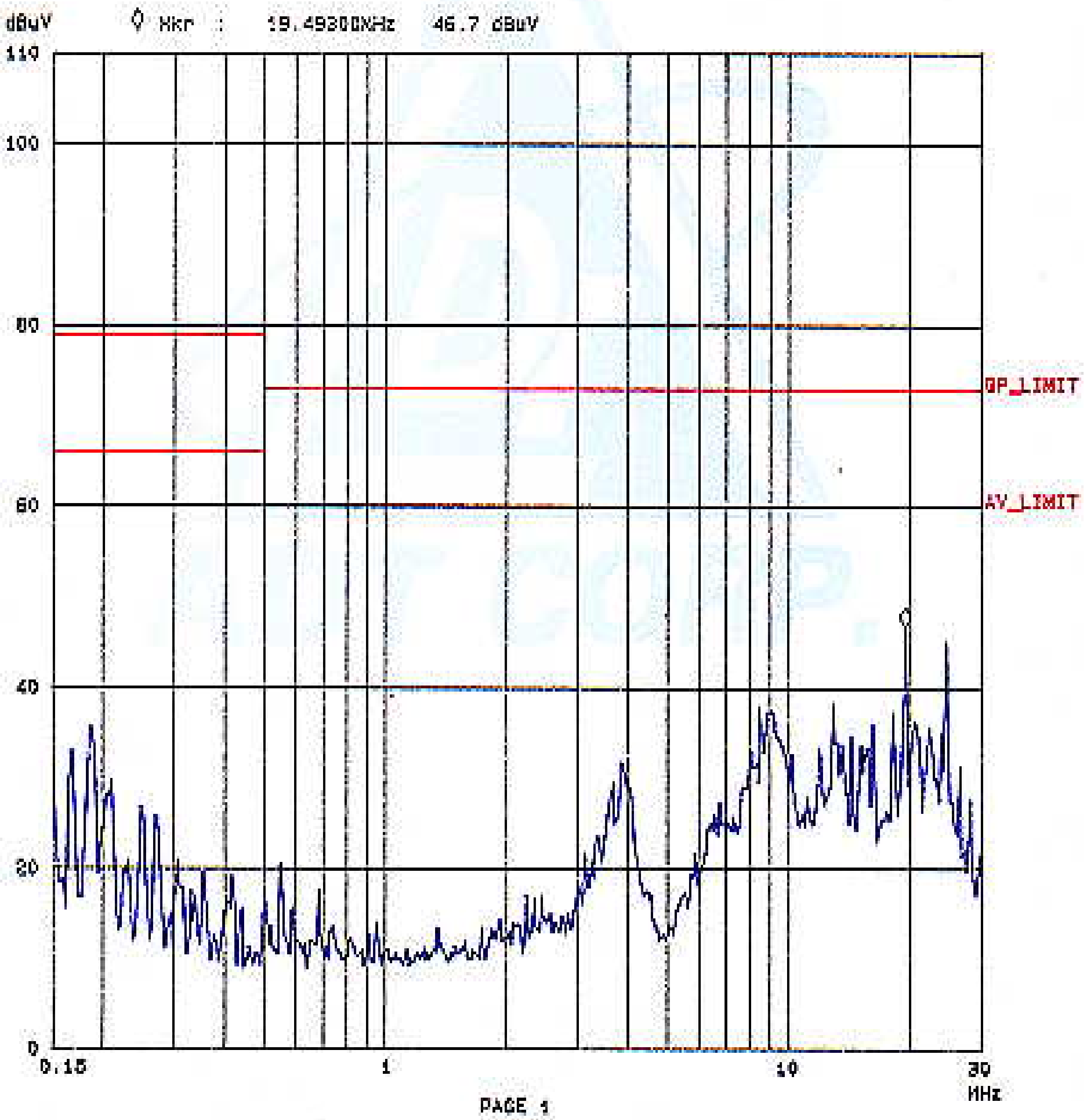
Tested by Jackey Chang

EUT: PCM-6890
Op Cond: 1024X768 256 COLOR
Operator: JACKEY
Test Spec: LISN : N
Comment: 120V AC/60Hz
MODE 2: CELERON 400MHz (66.6MHz)

Fast Scan Settings (3 Ranges)

Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150K	450K	3k	10k	PK	0.05ms	10dBLN	OFF	60dB
450K	5M	3k	10k	PK	0.05ms	10dBLN	OFF	60dB
5M	30M	3k	10k	PK	0.05ms	10dBLN	OFF	60dB



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4.5 TEST DATA OF RADIATED EMISSION (A)

EUT: **CPU BOARD** MODEL: **PCM-5896**

ANT. POLARITY: Horizontal MODE: **1**

DETECTOR FUNCTION AND BANDWIDTH: Quasi peak, 120 kHz (30-1000 MHz)
Peak, 1 MHz (1000 MHz-2000 MHz)

FREQUENCY RANGE: 30-1000 MHz MEASURED DISTANCE: 10 M

FREQUENCY RANGE: 1000-2000 MHz MEASURED DISTANCE: 3 M

Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
66.83	7.4	8.2	15.6	40.0	-24.4	362	331
84.48	10.0	19.3	29.3	40.0	-10.7	363	0
100.24	13.1	18.8	31.9	40.0	-8.1	400	42
110.48	13.9	11.6	25.5	40.0	-14.5	400	12
125.02	14.4	16.5	30.9	40.0	-9.1	400	0
133.64	14.1	11.8	25.9	40.0	-14.1	400	12
150.00	12.3	14.2	26.5	40.0	-13.5	400	83
167.05	10.8	19.3	30.1	40.0	-9.9	400	12
192.01	11.0	15.3	26.3	40.0	-13.7	400	0
200.45	11.1	15.5	26.6	40.0	-13.4	400	12
225.71	13.6	12.2	25.8	40.0	-14.2	400	87
233.83	14.3	15.5	29.8	47.0	-17.2	400	274
250.00	15.9	17.4	33.3	47.0	-13.7	400	111
300.64	16.2	22.0	38.2	47.0	-8.8	358	37
349.99	18.8	20.2	39.0	47.0	-8.0	326	283
400.87	21.8	13.9	35.7	47.0	-11.3	303	51
450.00	22.4	13.0	35.4	47.0	-11.6	244	54
501.14	23.4	16.3	39.7	47.0	-7.3	163	129

REMARKS:
1. Emission level (dBuV/m) = Correction Factor (dB) + Reading value (dBuV).
2. Correction Factor (dB) = Ant. Factor (dB)+Cable loss (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value

TEST DATA OF RADIATED EMISSION

EUT: **CPU BOARD** MODEL: **PCM-5896**

ANT. POLARITY: Vertical MODE: **1**

DETECTOR FUNCTION AND BANDWIDTH: Quasi peak, 120 kHz (30-1000 MHz)
Peak, 1 MHz (1000 MHz-2000 MHz)

FREQUENCY RANGE: 30-1000 MHz MEASURED DISTANCE: 10 M

FREQUENCY RANGE: 1000-2000 MHz MEASURED DISTANCE: 3 M

Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
66.81	7.5	24.0	31.5	40.0	-8.5	207	278
84.48	9.0	24.3	33.3	40.0	-6.7	159	170
125.00	12.7	18.6	31.3	40.0	-8.7	100	12
133.62	13.2	14.2	27.4	40.0	-12.6	100	0
149.99	13.5	18.5	32.0	40.0	-8.0	100	12
192.00	11.6	16.4	28.0	40.0	-12.0	100	0
200.44	12.2	19.2	31.4	40.0	-8.6	100	326
233.84	13.2	14.7	27.9	47.0	-19.1	100	69
250.13	13.8	18.7	32.5	47.0	-14.5	100	213
350.00	19.2	22.0	41.2	47.0	-5.8	100	6
400.89	21.7	10.9	32.6	47.0	-14.4	382	12
601.31	25.5	10.0	35.5	47.0	-11.5	400	3

REMARKS:
1. Emission level (dBuV/m) = Correction Factor (dB) + Reading value (dBuV).
2. Correction Factor (dB) = Ant. Factor (dB)+Cable loss (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value

4.6 TEST DATA OF RADIATED EMISSION (B)

EUT: **CPU BOARD** MODEL: **PCM-6890**

ANT. POLARITY: Horizontal MODE: **2**

DETECTOR FUNCTION AND BANDWIDTH: Quasi peak, 120 kHz (30-1000 MHz)
Peak, 1 MHz (1000 MHz-2000 MHz)

FREQUENCY RANGE: 30-1000 MHz MEASURED DISTANCE: 10 M

FREQUENCY RANGE: 1000-2000 MHz MEASURED DISTANCE: 3 M

Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
66.81	7.4	17.4	24.8	40.0	-15.2	400	75
125.00	14.4	13.3	27.7	40.0	-12.3	400	0
133.64	14.1	9.2	23.3	40.0	-16.7	400	12
167.04	10.8	22.0	32.8	40.0	-7.2	400	157
168.02	10.8	15.9	26.7	40.0	-13.3	400	176
192.02	11.0	16.2	27.2	40.0	-12.8	400	133
200.02	11.1	22.0	33.1	40.0	-6.9	400	12
229.11	13.9	19.1	33.0	40.0	-7.0	400	0
233.85	14.3	24.4	38.7	47.0	-8.3	400	228
250.01	15.9	27.0	42.9	47.0	-4.1	400	259
267.25	17.0	13.0	30.0	47.0	-17.0	400	303
300.65	16.2	13.8	30.0	47.0	-17.0	400	0
400.88	21.8	13.0	34.8	47.0	-12.2	151	316
501.07	23.4	13.0	36.4	47.0	-10.6	158	323
600.01	25.1	5.1	30.2	47.0	-16.8	310	184

REMARKS:
1. Emission level (dBuV/m) = Correction Factor (dB) + Reading value (dBuV).
2. Correction Factor (dB) = Ant. Factor (dB)+Cable loss (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value

TEST DATA OF RADIATED EMISSION

EUT: **CPU BOARD** MODEL: **PCM-6890**

ANT. POLARITY: Vertical MODE: **2**

DETECTOR FUNCTION AND BANDWIDTH: Quasi peak, 120 kHz (30-1000 MHz)
Peak, 1 MHz (1000 MHz-2000 MHz)

FREQUENCY RANGE: 30-1000 MHz MEASURED DISTANCE: 10 M

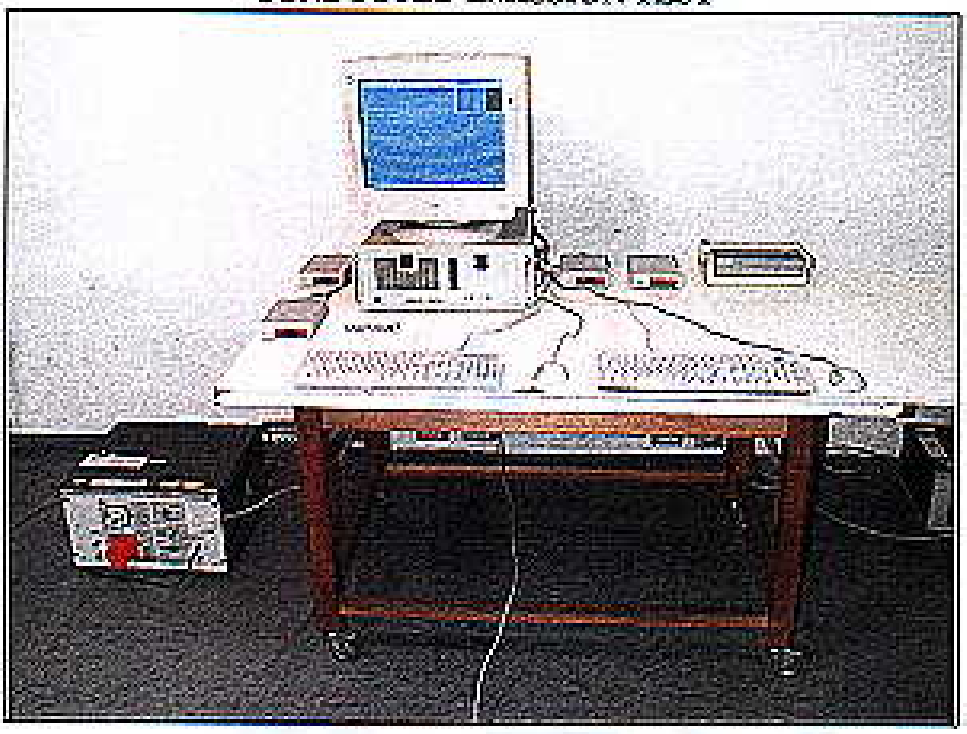
FREQUENCY RANGE: 1000-2000 MHz MEASURED DISTANCE: 3 M

Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
66.82	7.5	18.3	25.8	40.0	-14.2	142	291
125.01	12.7	15.5	28.2	40.0	-11.8	100	291
133.63	13.2	11.7	24.9	40.0	-15.1	100	2
200.01	12.2	21.1	33.3	40.0	-6.7	100	194
200.46	12.2	20.5	32.7	40.0	-7.3	100	194
229.11	13.1	19.1	32.2	40.0	-7.8	100	202
233.85	13.2	22.6	35.8	47.0	-11.2	100	162
250.01	13.8	27.3	41.1	47.0	-5.9	100	34
300.67	16.6	14.4	31.0	47.0	-16.0	100	12
350.00	19.2	23.8	43.0	47.0	-4.0	100	212
450.01	22.6	10.6	33.2	47.0	-13.8	161	3
599.96	25.5	5.0	30.5	47.0	-16.5	242	93

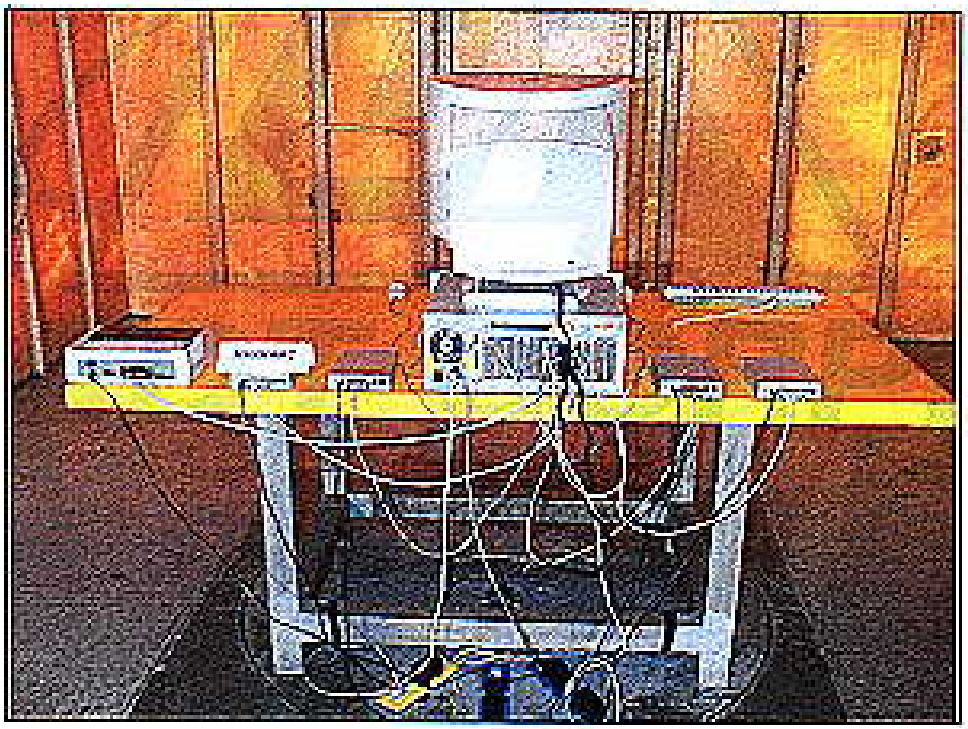
REMARKS:
1. Emission level (dBuV/m) = Correction Factor (dB) + Reading value (dBuV).
2. Correction Factor (dB) = Ant. Factor (dB)+Cable loss (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value

5. PHOTOGRAPHS OF THE TEST CONFIGURATION WITH MINIMUM MARGIN

CONDUCTED EMISSION TEST



RADIATED EMISSION TEST



6. APPENDIX - INFORMATION OF THE TESTING LABORATORY

Information of the testing laboratory

We, ADT Corp., is founded in 1988, to provide our best service in EMC and Safety consultation. Our laboratory is accredited by the following approval agencies according to ISO/IEC Guide 25 or EN 45001:

• USA	FCC, UL, NVLAP
• Germany	TUV Rheinland
	TUV Product Service
• Japan	VCCI
• New Zealand	RFS
• Norway	NEMKO, DNV
• U.K.	INCHCAPE, SGS
• R.O.C.	BSMI

Enclosed please find some certificates of our laboratory obtained from approval agencies. If you have any comments, please feel free to contact us with the following:

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