



FCC TEST REPORT

REPORT NO.: RF980601A06-1

MODEL NO.: WS200

RECEIVED: June 1, 2009

TESTED: June 22 ~ 30, 2009

ISSUED: July 2, 2009

APPLICANT: PRIMAX ELECTRONICS LTD.

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Taiwan, R.O.C.

ISSUED BY: Bureau Veritas Consumer Products Services
(H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou
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1 CERTIFICATION

PRODUCT: Pen Tablet
BRAND NAME: SMART
MODEL NO.: WS200
APPLICANT: PRIMAX ELECTRONICS LTD.
TESTED: June 22 ~ 30, 2009
TEST SAMPLE: ENGINEERING SAMPLE
STANDARDS: FCC Part 15, Subpart C (Section 15.209),
ANSI C63.4 -2003

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : *Jessica Cheng* , **DATE:** July 2, 2009
(Jessica Cheng / Specialist)

TECHNICAL ACCEPTANCE : *Jamison Chan* , **DATE:** July 2, 2009
Responsible for RF (Jamison Chan / Supervisor)

APPROVED BY : *Ken Liu* , **DATE:** July 2, 2009
(Ken Liu / Assistant Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C			
STANDARD PARAGRAPH	TEST TYPE	RESULT	REMARK
15.207	Conducted Emission Test	PASS	Meet the requirement of limit. Minimum passing margin is -11.36dB at 0.798MHz.
15.209	Radiated Emission Test	PASS	Meet the requirement of limit. Minimum passing margin is -6.56dB at 768.68MHz.

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

MEASUREMENT	UNCERTAINTY
Conducted emissions	2.44 dB
Radiated emissions	3.72 dB

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Pen Tablet
MODEL NO.	WS200
FCC ID	EMJTWS200
POWER SUPPLY	3.7Vdc from battery or 5Vdc from PC
MODULATION TYPE	FSK
CARRIER FREQUENCY OF EACH CHANNEL	666KHz
NUMBER OF CHANNEL	1
ANTENNA TYPE	Integral antenna
DATA CABLE	Shielded USB cable (1.5m)
I/O PORTS	N/A
ASSOCIATED DEVICES	Refer to note 2 as below

NOTE:

1. The EUT is a Pen Tablet, which is transceiver.
2. The EUT is the ideal tool to enhance user's presentations and documents. The pen (Model: LP-162E) will be sold together with the EUT.
3. For more detailed features description, please refer to the manufacturer's specifications or User's Manual.

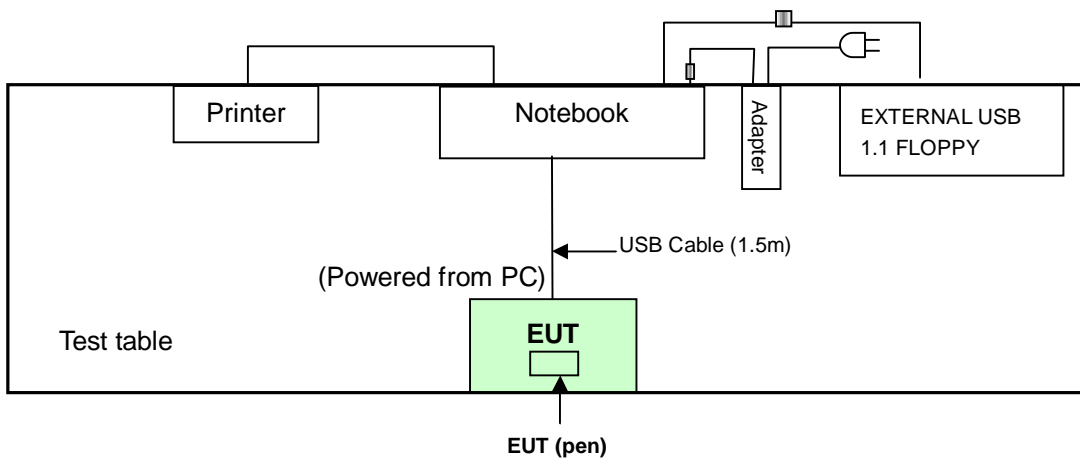
3.2 DESCRIPTION OF TEST MODES

1 channel was provided to this EUT

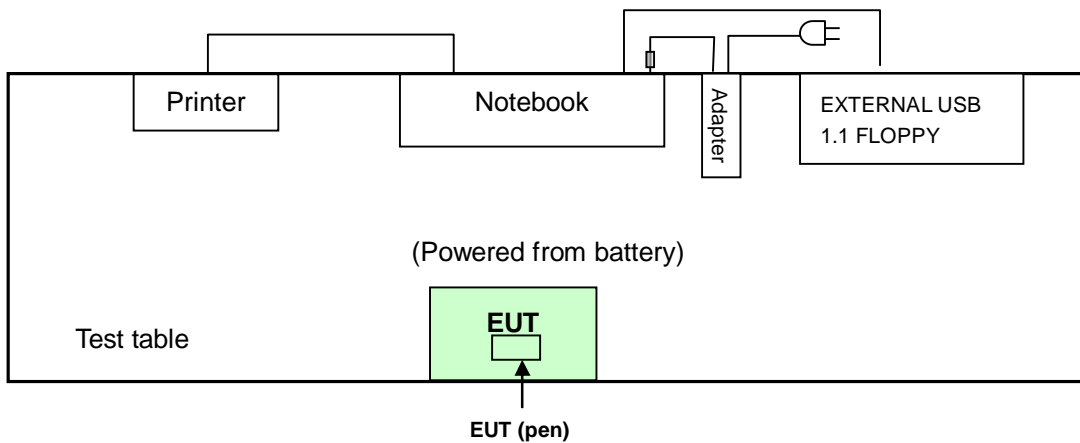
Channel	Frequency (MHz)
1	666KHz

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

FOR MODE A (Charging + Operating Mode):



FOR MODE B (Operating Mode):



3.2.3 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL:

EUT CONFIGURE MODE	Applicable to		Description
	PLC	RE<1G	
A	√	√	Charging + Operating Mode
B	Note	√	Operating Mode

Where PLC: Power Line Conducted Emission RE<1G RE: Radiated Emission below 1GHz

NOTE: No need to concern of Conducted Emission due to the EUT is powered by battery.

POWER LINE CONDUCTED EMISSION TEST:

Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
A	1	1	FSK

RADIATED EMISSION TEST (BELOW 1 GHZ):

Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
A	1	1	FSK
B	1	1	FSK



3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C. (15.209)
ANSI C63.4 -2003

All test items have been performed and recorded as per the above standards.

NOTE: The product has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NOTEBOOK COMPUTER	ASUS	F3J	F3APT2YDD-FB QCCCA4266	FCC DoC Approved
2	PRINTER	LEXMARK	Z33	03331651419	FCC DoC Approved
3	EXTERNAL USB 1.1 FLOPPY	SONY	MPF82E	50042543	FCC DoC Approved

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A
2	2.0 m foil shielded wire , terminated with USB connector via metallic frame, w/o core.
3	1.5 m shielded cable, terminated with USB connector, with 1 core.

NOTE: All power cords of the above support units are non shielded (1.8m).

4 TEST PROCEDURE AND RESULT

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

- NOTE:**
1. The lower limit shall apply at the transition frequencies.
 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
 3. All emanations 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.



4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
ROHDE & SCHWARZ Test Receiver	ESCS 30	838251/021	Mar. 05, 2009	Mar. 04, 2010
ROHDE & SCHWARZ Artificial Mains Network (for EUT)	ESH3-Z5	100218	Nov. 26, 2008	Nov. 25, 2009
LISN With Adapter (for EUT)	AD10	C10Ada-001	Nov. 26, 2008	Nov. 25, 2009
ROHDE & SCHWARZ Artificial Mains Network (for peripherals)	ESH3-Z5	100219	Nov. 20, 2008	Nov. 19, 2009
Software	ADT_Cond_V7.3.7	NA	NA	NA
Software	ADT_ISN_V7.3.7	NA	NA	NA
RF cable (JYEBAO)	5D-FB	Cable-C10.01	Feb. 26, 2009	Feb. 25, 2010
SUHNER Terminator (For ROHDE & SCHWARZ LISN)	65BNC-5001	E1-010773	Feb. 27, 2009	Feb. 26, 2010

- NOTE:**
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in Shielded Room No. 10.
 3. The VCCI Site Registration No. C-1852.

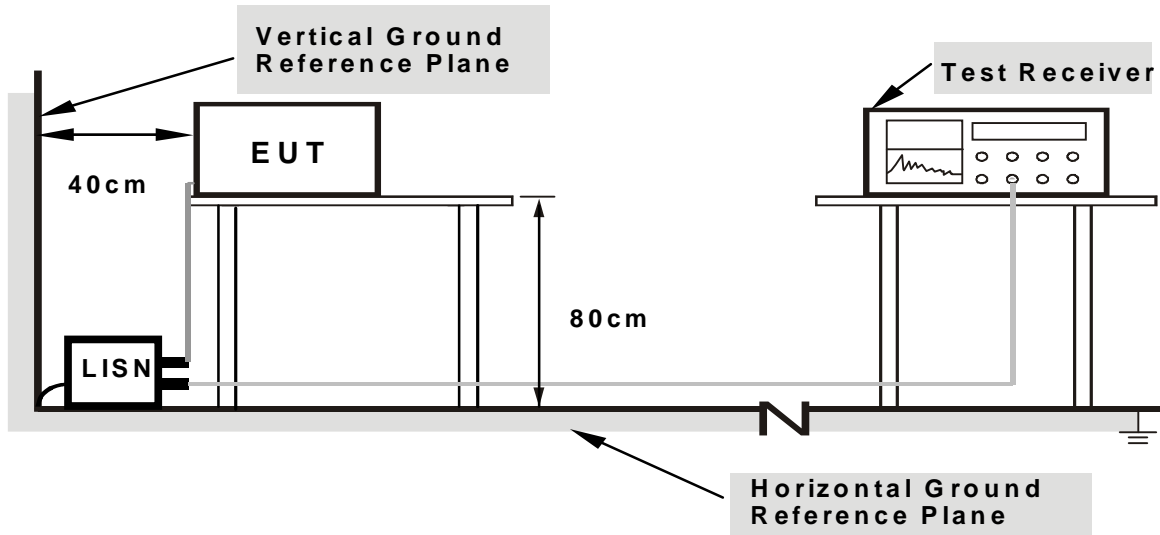
4.1.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



- Note:**
1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.1.6 EUT OPERATING CONDITIONS

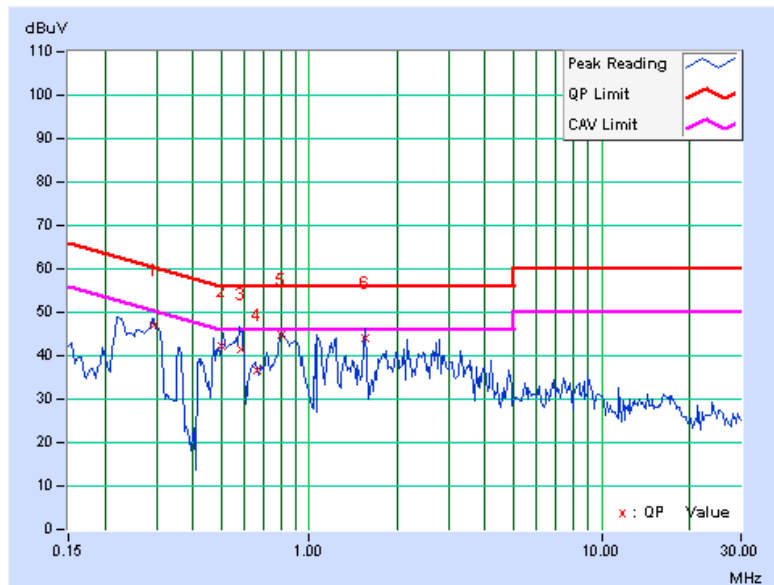
- a. Connected the EUT to Notebook via USB cable.
- b. Turned on the power of all equipment.
- c. Notebook ran a test program to enable all functions.
- d. Notebook read and wrote messages from HDD and Ext. FDD.
- e. Notebook sent messages to printer and the printer printed them out.
- f. The Pen (EUT) sent messages to Notebook via Pen Tablet (EUT).
- g. Steps d-g were repeated.

4.1.7 TEST RESULTS

TEST MODE	A	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Line 1
ENVIRONMENTAL CONDITIONS	25deg. C, 71% RH, 1008hPa	TESTED BY	Chad Lee

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.295	0.17	46.83	-	47.00	-	60.40	50.40	-13.40	-
2	0.499	0.22	42.07	-	42.29	-	56.01	46.01	-13.72	-
3	0.582	0.23	41.15	-	41.38	-	56.00	46.00	-14.62	-
4	0.666	0.23	36.29	-	36.52	-	56.00	46.00	-19.48	-
5	0.798	0.23	44.41	-	44.64	-	56.00	46.00	-11.36	-
6	1.555	0.26	43.84	-	44.10	-	56.00	46.00	-11.90	-

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



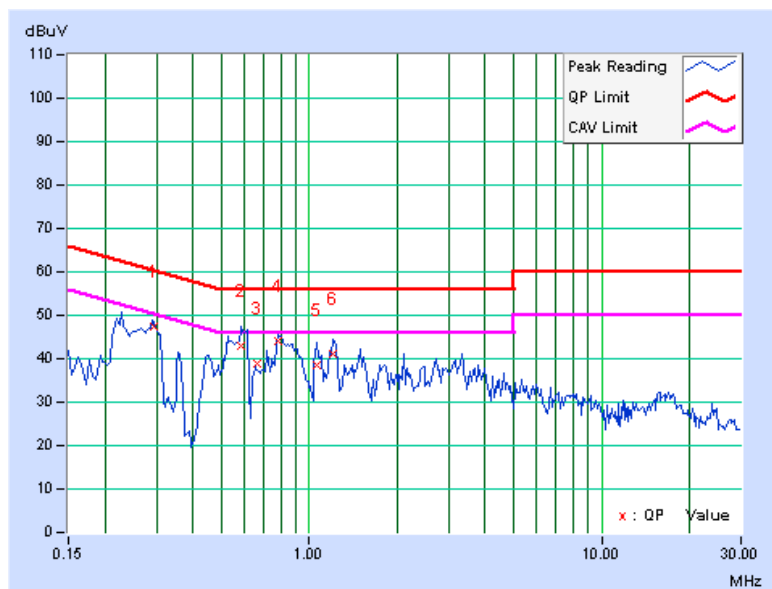


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TEST MODE	A	6dB BANDWIDTH	9 kHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	PHASE	Line 2
ENVIRONMENTAL CONDITIONS	25deg. C, 71% RH, 1008hPa	TESTED BY	Chad Lee

No	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.
			1	0.293	0.14	47.40	-	47.54	-	60.43
2	0.586	0.21	42.87	-	43.08	-	56.00	46.00	-12.92	-
3	0.666	0.21	38.58	-	38.79	-	56.00	46.00	-17.21	-
4	0.783	0.21	43.75	-	43.96	-	56.00	46.00	-12.04	-
5	1.059	0.22	38.48	-	38.70	-	56.00	46.00	-17.30	-
6	1.205	0.23	40.72	-	40.95	-	56.00	46.00	-15.05	-

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



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

FOR FREQUENCY BELOW 30MHz

FREQUENCY (MHz)	FIELD STRENGTH (dBuV/m)		MEASUREMENT DISTANCE (meters)
	uV/m	dBuV/m	
0.009 – 0.490	2400 / F (kHz)	48.52-13.80	300
0.490 – 1.705	24000 / F (kHz)	33.80-22.97	30
1.705 – 30.0	30	29.54	30

FOR FREQUENCY BETWEEN 30-1000MHz

FREQUENCY (MHz)	Class A (at 10m)		Class B (at 3m)	
	uV/m	dBuV/m	uV/m	dBuV/m
30-88	90	39.1	100	40.0
88-216	150	43.5	150	43.5
216-960	210	46.4	200	46.0
Above 960	300	49.5	500	54.0

FOR FREQUENCY ABOVE 1000MHz

FREQUENCY (MHz)	Class A (at 10m)		Class B (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 fieldstrengths specified above.



4.2.2 TEST INSTRUMENT

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
HP Preamplifier	8447D	2432A03504	May 04, 2009	May 03, 2010
HP Preamplifier	8449B	3008A01924	Sep. 03, 2008	Sep. 02, 2009
HP Preamplifier	8449B	3008A01292	Aug. 06, 2008	Aug. 05, 2009
ROHDE & SCHWARZ TEST RECEIVER	ESI7	836697/012	Dec. 04, 2008	Dec. 03, 2009
Schwarzbeck Antenna	VULB 9168	137	Apr. 29, 2009	Apr. 28, 2010
Schwarzbeck Antenna	VHBA 9123	480	Apr. 21, 2009	Apr. 20, 2010
ADT. Turn Table	TT100	0306	NA	NA
ADT. Tower	AT100	0306	NA	NA
Software	ADT_Radiated_V 7.6.15.9.2	NA	NA	NA
SUHNER RF cable	SF104-26.5	CABLE-CH6-17m -01	Aug. 22, 2008	Aug. 21, 2009
ROHDE & SCHWARZ Spectrum Analyzer	FSP 40	100036	Apr. 03, 2009	Apr. 02, 2010
Loop Antenna R & S	HFH2-Z2	100070	Jan. 14, 2008	Jan. 13, 2010

- NOTE:**
1. The calibration interval of the above test instruments is 12 or 24 months. And the calibrations are traceable to NML/ROC and NIST/USA.
 2. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
 3. The test was performed in Chamber No. 6.
 4. The Industry Canada Reference No. IC 7450E-6.
 5. The FCC Site Registration No. is 447212.

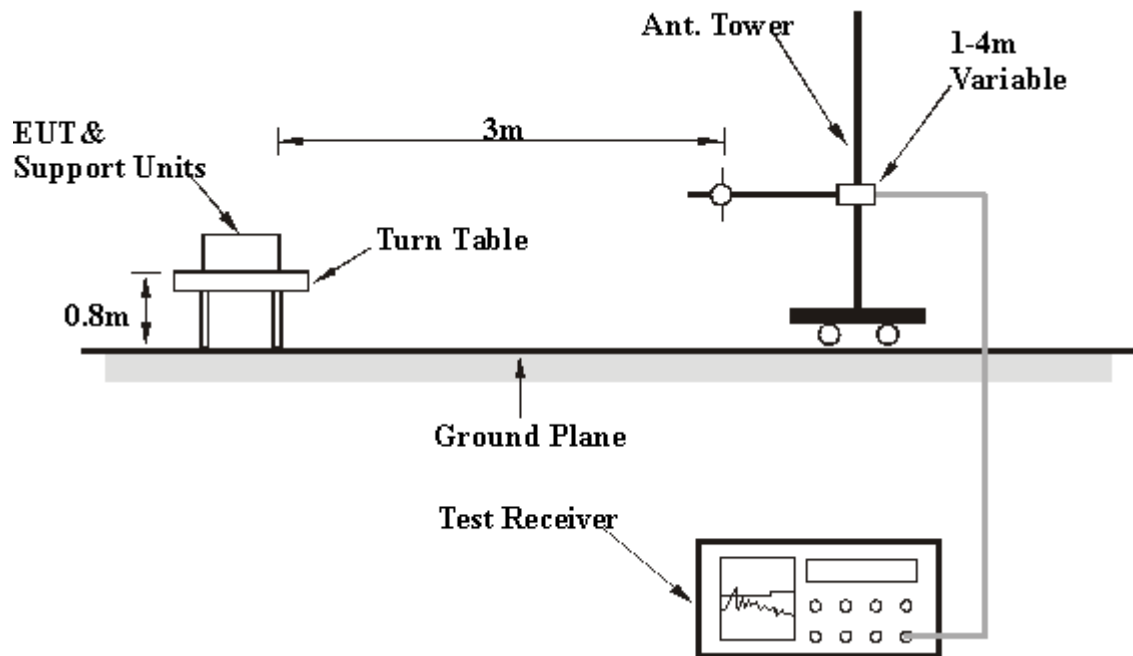
4.2.3 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak method or average method as specified and then reported in data sheet.
- g. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the interference antenna and the detect function was set to Peak or Average.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



For the actual test configuration, please refer to the related item in this test report - Photographs of the Test Configuration.

4.2.6 EUT OPERATING CONDITION

Mode A

- a. Connected the EUT to Notebook via USB cable.
- b. Turned on the power of all equipment.
- c. Notebook ran a test program to enable all functions.
- d. Notebook read and wrote messages from HDD and Ext. FDD.
- e. Notebook sent messages to printer and the printer printed them out.
- f. The Pen (EUT) sent messages to Notebook via Pen Tablet (EUT).
- g. Steps d-g were repeated.

Mode B

- a. Turned on the power of all equipment.
- b. Notebook ran a test program to enable all functions.
- c. Notebook read and wrote messages from HDD and Ext. FDD.
- d. Notebook sent messages to printer and the printer printed them out.
- e. The Pen (EUT) sent messages to Notebook via Pen Tablet (EUT).
- f. Steps c-f were repeated.

4.2.7 TEST RESULT

TEST MODE	A	FREQUENCY RANGE	9 kHz ~ 30 MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 74% RH, 1002hPa	TESTED BY	Nick Chen

ANTENNA POLARITY & TEST DISTANCE: AT 3 M								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	0.666	38.64 QP	71.13	-32.49	1.00	0	19.48	19.16
2	2.000	37.47 QP	69.54	-32.07	1.00	360	17.92	19.55
3	3.332	32.65 QP	69.54	-36.89	1.00	0	13.11	19.54
4	4.667	36.07 QP	69.54	-33.47	1.00	360	16.51	19.56
5	6.001	30.07 QP	69.54	-39.47	1.00	0	10.47	19.60
6	7.335	30.59 QP	69.54	-38.95	1.00	360	10.94	19.65
7	8.671	25.92 QP	69.54	-43.62	1.00	0	6.20	19.72

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.
 5. Above limits have been translated by the formula
 6. Loop antenna was used for all radiated emission below 30MHz.

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

Example:

$$\begin{aligned}
 24000/666\text{KHz} &= 36.03 \text{ uV/m} && 30\text{m} \\
 &= 31.13 \text{ dBuV/m} && 30\text{m} \\
 &= 31.13 + 20\log(30/3)^2 && 3\text{m} \\
 &= 71.13 \text{ dBuV/m}
 \end{aligned}$$



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TEST MODE	A	FREQUENCY RANGE	30-1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 74% RH, 1002hPa	TESTED BY	Nick Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	271.04	34.40 QP	46.00	-11.60	1.12 H	259	20.39	14.01
2	564.57	36.19 QP	46.00	-9.81	1.06 H	10	13.68	22.51
3	702.59	38.43 QP	46.00	-7.57	1.42 H	97	13.57	24.86
4	731.74	39.18 QP	46.00	-6.82	1.50 H	109	13.74	25.44
5	768.68	39.44 QP	46.00	-6.56	1.09 H	109	13.34	26.10
6	834.77	36.64 QP	46.00	-9.36	1.00 H	97	9.48	27.16

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	564.57	30.95 QP	46.00	-15.05	1.12 V	70	8.44	22.51
2	599.56	30.07 QP	46.00	-15.93	1.06 V	142	6.86	23.21
3	731.74	31.09 QP	46.00	-14.91	1.22 V	58	5.65	25.44
4	830.88	36.54 QP	46.00	-9.46	1.25 V	136	9.45	27.10
5	869.76	32.82 QP	46.00	-13.18	1.08 V	25	5.17	27.65
6	902.81	36.73 QP	46.00	-9.27	1.00 V	355	8.66	28.07

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



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TEST MODE	B	FREQUENCY RANGE	30-1000MHz
INPUT POWER	3.7Vdc	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 74% RH, 1002hPa	TESTED BY	Nick Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	319.64	24.52 QP	46.00	-21.48	1.09 H	52	8.58	15.94
2	747.30	23.02 QP	46.00	-22.98	1.00 H	229	-2.72	25.74
3	768.68	23.37 QP	46.00	-22.63	1.12 H	259	-2.73	26.10
4	803.67	23.59 QP	46.00	-22.41	1.00 H	235	-3.08	26.67
5	844.49	24.13 QP	46.00	-21.87	1.15 H	67	-3.18	27.31
6	863.93	25.01 QP	46.00	-20.99	1.07 H	196	-2.57	27.58
7	891.14	24.87 QP	46.00	-21.13	1.03 H	10	-3.06	27.93

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	103.87	22.54 QP	43.50	-20.96	1.05 V	79	13.17	9.37
2	772.57	23.05 QP	46.00	-22.95	1.17 V	163	-3.11	26.16
3	805.61	24.25 QP	46.00	-21.75	1.08 V	202	-2.45	26.70
4	834.77	24.31 QP	46.00	-21.69	1.03 V	181	-2.85	27.16
5	865.87	25.06 QP	46.00	-20.94	1.17 V	1	-2.54	27.60
6	902.81	25.06 QP	46.00	-20.94	1.12 V	211	-3.01	28.07
7	933.91	25.34 QP	46.00	-20.66	1.01 V	139	-3.07	28.41

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

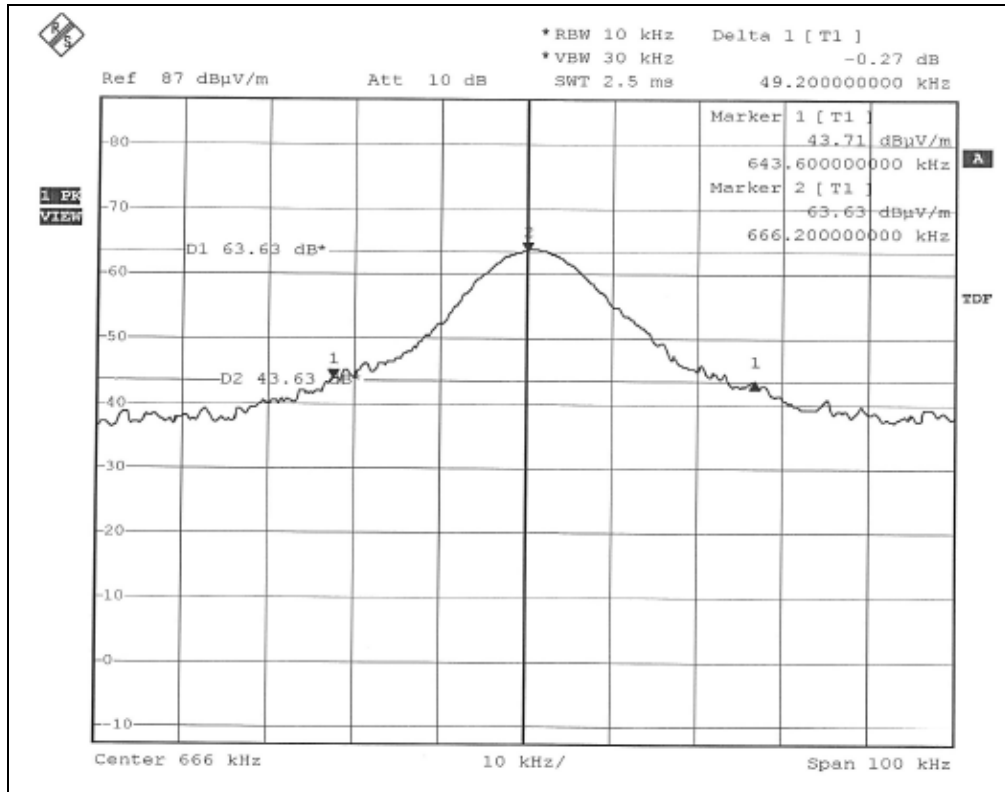


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4.2.8 TEST RESULTS (SPECTRUM BANDWIDTH)

MODE A

666 KHz





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5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



6 INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA	FCC, NVLAP
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA, CSA
R.O.C.	TAF, BSMI, NCC
Netherlands	Telefication
Singapore	GOST-ASIA(MOU)
Russia	CERTIS(MOU)

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml.
If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
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Hsin Chu EMC/RF Lab:
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Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.



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7 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

---END---