

FCC TEST REPORT

REPORT NO.: RF980902L08

MODEL NO.: 98543(TX) (refer to item 3.1 for more details)

RECEIVED: Sep. 02, 2009

TESTED: Sep. 07 ~ Sep. 23, 2009

ISSUED: Sep. 25, 2009

APPLICANT: DEXIN Corporation

ADDRESS: 14F-8, No 258, Lian Cheng Rd., Chung Ho City,

Taipei Hsien, Taiwan, R.O.C.

ISSUED BY: Bureau Veritas Consumer Products Services

(H.K.) Ltd., Taoyuan Branch

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TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei

Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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1. CERTIFICATION

PRODUCT: Ergonomic Wireless Mouse

MODEL NO.: 98543(TX) (refer to item 3.1 for more details)

BRAND: DEXIN

APPLICANT: DEXIN Corporation

TESTED: Sep. 07 ~ Sep. 23, 2009

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: FCC Part 15, Subpart C (Section 15.249)

ANSI C63.4-2003

The above equipment (model: 98543(TX)) have 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.

Joanna Mang / Senior Specialist

TECHNICAL

ACCEPTANCE : Long Chen Chen , DATE : Sep. 25, 2009

Responsible for RF Long Chen / Senior Engineer

APPROVED BY : (, DATE : Sep. 25, 2009

Gary Chang / Assistant Manager



2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C (Section 15.249)						
STANDARD PARAGRAPH TEST TYPE RESULT REMARK						
15.207	Conducted Emission Test	NA	Power supply is 3Vdc from batteries.			
15.209 15.249 15.249 (d)	Radiated Emission Test Band Edge Measurement Limit: 50dB less than the peak value of fundamental frequency or meet radiated emission limit in section 15.209	PASS	Meet the requirement of limit. Minimum passing margin is -2.31dB at 4810.00MHz.			

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:

MEASUREMENT	FREQUENCY	UNCERTAINTY	
	30MHz ~ 200MHz	3.34dB	
Radiated emissions	200MHz ~1000MHz	3.35dB	
Radiated emissions	1GHz ~ 18GHz	2.26dB	
	18GHz ~ 40GHz	1.94dB	

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



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	Ergonomic Wireless Mouse
MODEL NO.	98543(TX) (refer to NOTE 1 for more details)
FCC ID	NIYMWP138P6S
POWER SUPPLY	3Vdc from batteries (1.5V AAA x 2)
MODULATION TYPE	GFSK
DATA RATE	1M bit/sec.
OPERATING FREQUENCY	2405 ~ 2476MHz
NUMBER OF CHANNEL	64
ANTENNA TYPE	Copper trace antenna with -9.57dBi gain
DATA CABLE	NA
I/O PORT	NA
ACCESSORY DEVICES	NA

NOTE:

1. The following models are provided to this EUT.

MODEL	DESCRIPTION
98543(TX)	All models are electrically identical, different
MWP138_P6S	model names are for marketing purpose.

2. The above EUT information was declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

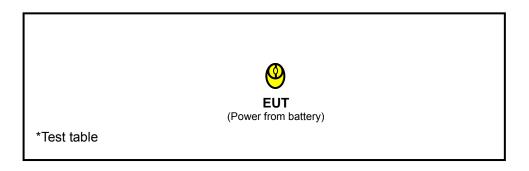


3.2 DESCRIPTION OF TEST MODES

64 channels are provided to this EUT:

FREQUENC	Y GROUP 1	FREQUENC	Y GROUP 2	
FREQ.	(MHz)	FREQ. (MHz)		
2407	2442	2405	2443	
2408	2447	2406	2444	
2412	2451	2409	2446	
2414	2452	2410	2448	
2417	2457	2411	2449	
2420	2458	2413	2453	
2421	2459	2415	2455	
2422	2460	2416	2456	
2427	2461	2418	2462	
2428	2465	2419	2463	
2431	2468	2423	2464	
2435	2469	2425	2466	
2436	2472	2429	2467	
2437	2473	2430	2470	
2438	2475	2432	2471	
2439	2476	2434	2474	

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST





3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE		APPLICABLE TO			DESCRIPTION
MODE	RE≥1G	RE<1G	PLC	ВМ	DEGGIII HON
-	V	√	NOTE	V	-

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

RE≥1G: Radiated Emission above 1GHz **BM:** Bandedge Measurement **NOTE:** No need to concern of Conducted Emission due to the EUT is powered by battery.

RADIATED EMISSION TEST (ABOVE 1 GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).

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

OPERATING FREQUENCY RANGE (MHz)	TEST FREQUENCY (MHz)	MODULATION TYPE	
2405 ~ 2476	2405, 2439, 2476	GFSK	

RADIATED EMISSION TEST (BELOW 1 GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).

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

OPERATING FREQUENCY RANGE (MHz)	TEST FREQUENCY (MHz)	MODULATION TYPE	
2405 ~ 2476	2439	GFSK	

BANDEDGE MEASUREMENT:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and antenna ports (if EUT with antenna diversity architecture).

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

OPERATING FREQUENCY RANGE (MHz)	TEST FREQUENCY (MHz)	MODULATION TYPE
2405 ~ 2476	2405, 2476	GFSK



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 (Section 15.249)
ANSI C63.4-2003

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

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit.



4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209, 15.249 as following:

15.209 Limit					
Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)			
0.009 ~ 0.490	2400/F(kHz)	300			
0.490 ~ 1.705	24000/F(kHz)	30			
1.705 ~ 30.0	30	30			
30 ~ 88	100	3			
88 ~ 216	150	3			
216 ~ 960	200	3			
Above 960	500	3			
15.249 Limit					
Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)			
902 ~ 928 MHz	50	500			
2400 ~ 2483.5 MHz	50	500			
5725 ~ 5875 MHz	50	500			
24 ~ 24.25 GHz	250	2500			

NOTE:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESI7	100033	Jul. 06, 2009	Jul. 05, 2010
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100076	May 26, 2009	May 25, 2010
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Apr. 27, 2009	Apr. 26, 2010
HORN Antenna SCHWARZBECK	9120D	9120D-209	Jul. 01, 2009	Jun. 30, 2010
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Dec. 25, 2008	Dec. 24, 2009
Preamplifier Agilent	8447D	2944A10633	Nov. 03, 2008	Nov. 02, 2009
Preamplifier Agilent	8449B	3008A01964	Oct. 23, 2008	Oct. 22, 2009
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	238141/4	May 13, 2009	May 12, 2010
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	12738/6	May 13, 2009	May 12, 2010
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table ADT.	TT100.	TT93021703	NA	NA
Turn Table Controller ADT.	SC100.	SC93021703	NA	NA

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 HwaYa Chamber 3.
- 3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 4. The FCC Site Registration No. is 988962.
- 5. The IC Site Registration No. is IC 7450F-3.



4.1.3 TEST PROCEDURES

- 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 antenna is a broadband antenna, and its height 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 or average method as specified and then reported in a data sheet.

NOTE:

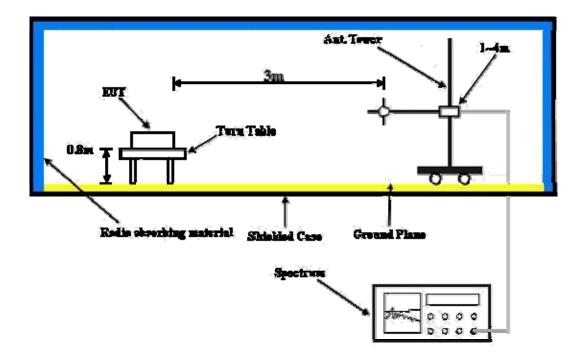
- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
- 3. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.



4.1.5 TEST SETUP



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT OPERATING CONDITIONS

- a. Placed the EUT on the testing table.
- b. Set the EUT under transmitting condition.



4.1.7 TEST RESULTS

ABOVE 1GHz DATA

EUT TEST CONDITION		MEASUREMENT DETAIL		
TEST FREQUENCY	2405MHz	FREQUENCY RANGE	1 ~ 25GHz	
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)	
	25deg. C, 65%RH 1007 hPa	TESTED BY	Brad Wu	

	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	2390.00	50.26 PK	74.00	-23.74	1.36 H	144	19.51	30.75
2	2390.00	29.86 AV	54.00	-24.14	1.36 H	144	-0.89	30.75
3	2398.00	62.88 PK	74.00	-11.12	1.36 H	144	32.10	30.78
4	2398.00	30.10 AV	54.00	-23.90	1.36 H	144	-0.68	30.78
5	2400.00	64.57 PK	74.00	-9.43	1.36 H	144	33.78	30.79
6	2400.00	23.65 AV	54.00	-30.35	1.36 H	144	-7.14	30.79
7	*2405.00	88.60 PK	114.00	-25.40	1.36 H	144	57.79	30.81
8	*2405.00	47.68 AV	94.00	-46.32	1.36 H	144	16.87	30.81
9	4810.00	71.69 PK	74.00	-2.31	1.15 H	156	35.06	36.63
10	4810.00	30.77 AV	54.00	-23.23	1.15 H	156	-5.86	36.63
		ANTENNA	A POLARIT	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	49.11 PK	74.00	-24.89	1.10 V	211	18.36	30.75
2	2390.00	28.35 AV	54.00	-25.65	1.10 V	211	-2.40	30.75
3	2398.00	58.04 PK	74.00	-15.96	1.10 V	211	27.26	30.78
4	2398.00	28.53 AV	54.00	-25.47	1.10 V	211	-2.25	30.78
5	2400.00	59.83 PK	74.00	-14.17	1.10 V	211	29.04	30.79
	2400.00	18.91 AV	54.00	-35.09	1.10 V	211	-11.88	30.79
6	2400.00	10.91 AV	0 1.00					
6 7	*2405.00	83.56 PK	114.00	-30.44	1.10 V	211	52.75	30.81
_				-30.44 -51.36	1.10 V 1.10 V	211 211	52.75 11.83	30.81 30.81
7	*2405.00	83.56 PK	114.00			= " "		

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. " * ": Fundamental frequency
- 6. The average value of fundamental frequency is: Average = Peak value + 20log(Duty cycle) Where the duty factor is calculated from following formula: 20 log (Duty cycle) = 20 log (0.9 ms / 100 ms) = -40.92 dB Please see page 16 & 17 for plotted duty.



EUT TEST CONDITION		MEASUREMENT DETAIL		
TEST FREQUENCY	2439MHz	FREQUENCY RANGE	1 ~ 25GHz	
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)	
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1007 hPa	TESTED BY	Brad Wu	

		ANTENNA	POLARITY	& TEST DIS	TANCE: HO	RIZONTAL	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	*2439.00	90.03 PK	114.00	-23.97	1.31 H	127	59.12	30.91
2	*2439.00	49.11 AV	94.00	-44.89	1.31 H	127	18.20	30.91
3	4878.00	69.77 PK	74.00	-4.23	1.00 H	150	33.05	36.72
4	4878.00	28.85 AV	54.00	-25.15	1.00 H	150	-7.87	36.72
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	*2439.00	84.85 PK	114.00	-29.15	1.10 V	212	53.94	30.91
2	*2439.00	43.93 AV	94.00	-50.07	1.10 V	212	13.02	30.91
3	4878.00	68.13 PK	74.00	-5.87	1.56 V	202	31.41	36.72
Ü						-		

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. " * " : Fundamental frequency
- The average value of fundamental frequency is: Average = Peak value + 20log(Duty cycle) Where the duty factor is calculated from following formula:
 20 log (Duty cycle) = 20 log (0.9 ms / 100 ms) = -40.92 dB
 Please see page 16 & 17 for plotted duty.

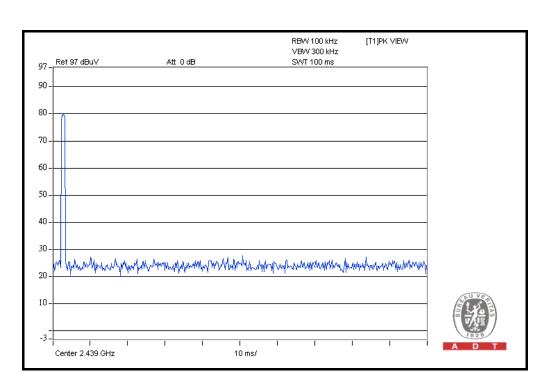


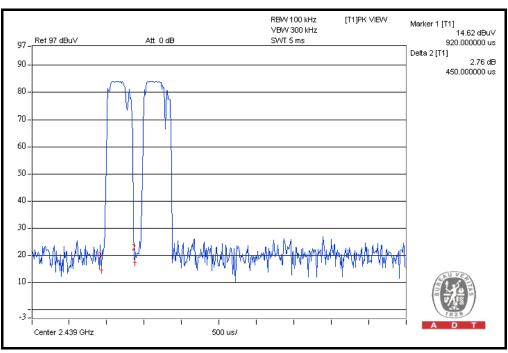
EUT TEST CONDITION		MEASUREMENT DETAIL		
TEST FREQUENCY	2476MHz	FREQUENCY RANGE	1 ~ 25GHz	
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)	
	25deg. C, 65%RH 1009 hPa	TESTED BY	Mark Liao	

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	*2476.00	87.53 PK	114.00	-26.47	1.31 H	216	56.50	31.03
2	*2476.00	46.61 AV	94.00	-47.39	1.31 H	216	15.58	31.03
3	2483.50	48.03 PK	74.00	-25.97	1.31 H	216	16.97	31.06
4	2483.50	7.11 AV	54.00	-46.89	1.31 H	216	-23.95	31.06
5	4952.00	60.38 PK	74.00	-13.62	1.00 H	11	23.41	36.97
6	4952.00	19.46 AV	54.00	-34.54	1.00 H	11	-17.51	36.97
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	*2476.00	82.21 PK	114.00	-31.79	1.13 V	162	51.18	31.03
2	*2476.00	41.29 AV	94.00	-52.71	1.13 V	162	10.26	31.03
3	2483.50	42.71 PK	74.00	-31.29	1.13 V	162	11.65	31.06
4	2483.50	1.79 AV	54.00	-52.21	1.13 V	162	-29.27	31.06
5	4952.00	58.53 PK	74.00	-15.47	1.00 V	171	21.56	36.97
6	4952.00	17.61 AV	54.00	-36.39	1.00 V	171	-19.36	36.97

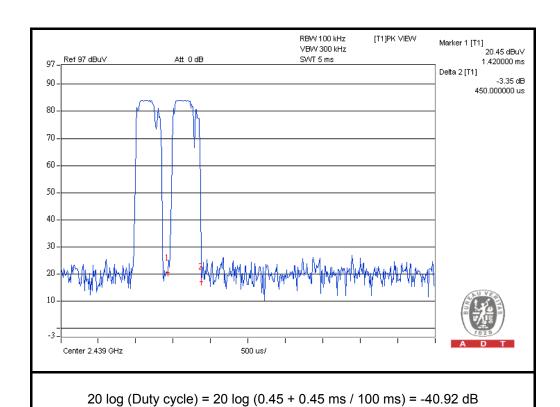
- **REMARKS:** 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
 - 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
 - 3. The other emission levels were very low against the limit.
 - 4. Margin value = Emission level Limit value.
 - 5. " * ": Fundamental frequency
 - 6. The average value of fundamental frequency is: Average = Peak value + 20log(Duty cycle) Where the duty factor is calculated from following formula: 20 log (Duty cycle) = 20 log (0.9 ms / 100 ms) = -40.92 dB Please see page 16 & 17 for plotted duty.













BELOW 1GHz WORST-CASE DATA

EUT TEST CONDITION		MEASUREMENT DETAIL		
TEST FREQUENCY	2439MHz	FREQUENCY RANGE	Below 1000MHz	
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak	
ENVIRONMENTAL CONDITIONS	26deg. C, 67%RH 1006 hPa	TESTED BY	Mark Liao	

		ANTENNA	POLARITY	& TEST DIS	TANCE: HO	RIZONTAL	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	30.00	16.67 QP	40.00	-23.33	1.50 H	163	4.39	12.28
2	144.61	22.49 QP	43.50	-21.01	1.00 H	208	9.32	13.16
3	514.03	23.48 QP	46.00	-22.52	1.25 H	250	3.82	19.67
4	543.19	26.10 QP	46.00	-19.90	1.00 H	340	5.54	20.56
5	768.73	23.10 QP	46.00	-22.90	2.00 H	112	-1.36	24.46
6	949.55	28.87 QP	46.00	-17.13	1.25 H	286	2.39	26.49
		ANTENNA	A POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	444.04							
	144.61	26.28 QP	43.50	-17.22	1.00 V	34	13.12	13.16
2	173.78	26.28 QP 24.13 QP	43.50 43.50	-17.22 -19.37	1.00 V 1.00 V	34 298	13.12 11.46	13.16 12.66
•						• •		
2	173.78	24.13 QP	43.50	-19.37	1.00 V	298	11.46	12.66
2	173.78 284.60	24.13 QP 15.14 QP	43.50 46.00	-19.37 -30.86	1.00 V 1.00 V	298 256	11.46 1.74	12.66 13.40

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.



4.2 BAND EDGES MEASUREMENT

4.2.1 LIMITS OF BAND EDGES MEASUREMENT

Below –50dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
SPECTRUM ANALYZER R&S	FSP40	100040	Jul. 07, 2009	Jul. 06, 2010

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

4.2.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz and 300 kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges was measured and recorded.

The spectrum plots are attached on the following pages.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation.

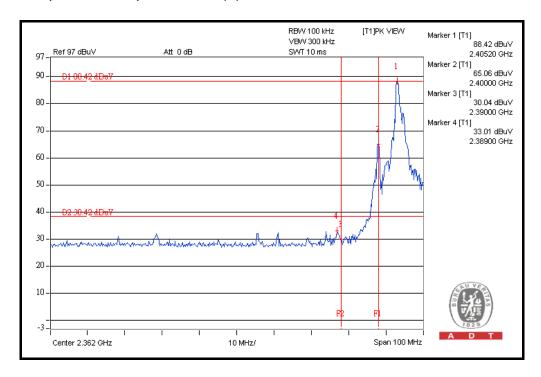
4.2.5 EUT OPERATING CONDITION

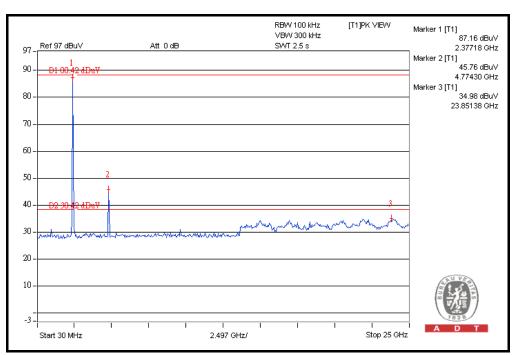
The software provided by client to enable the EUT under transmission condition continuously at lowest and highest channel frequencies individually.



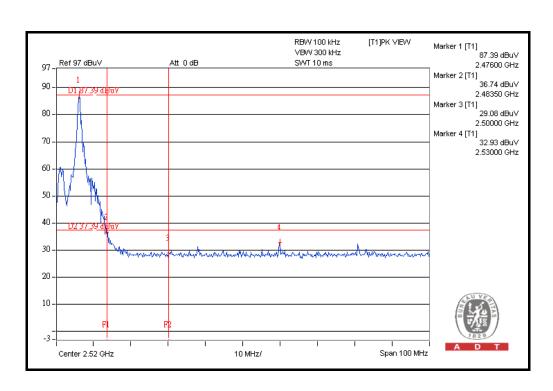
4.2.6 TEST RESULTS

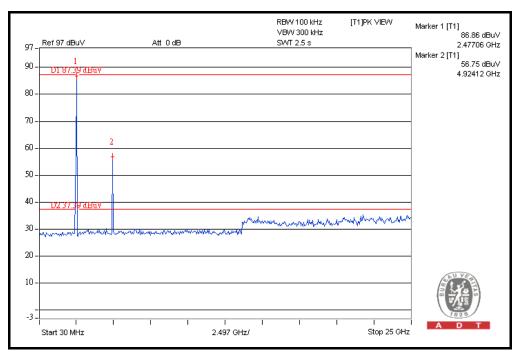
The spectrum plots are attached on the following 4 images. D1 line indicates the highest level, and D2 line indicates the 50dB offset below D1. It shows compliance with the requirement in part 15.249 (d).













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:

<u>www.adt.com.tw/index.5/phtml</u>. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab: Hsin Chu EMC/RF Lab:

Tel: 886-2-26052180 Tel: 886-3-5935343 Fax: 886-2-26051924 Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Telecom Lab:

Tel: 886-3-3183232 Fax: 886-3-3185050

Web Site: www.adt.com.tw

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



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