



FCC TEST REPORT

REPORT NO.: RF120131C19

MODEL NO.: G3T

FCC ID: PRDMU08

RECEIVED: Jan. 31, 2012

TESTED: Feb. 02, 2012

ISSUED: Mar. 05, 2012

APPLICANT: Acrox Technologies Co., Ltd

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114, Taiwan, R.O.C.

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

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist.,
New Taipei City, Taiwan (R.O.C.)

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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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF120131C19	Original release	Mar. 05, 2012



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1. CERTIFICATION

PRODUCT: Wireless Mouse

MODEL NO.: G3T

BRAND: ACROX / HP

APPLICANT: Acrox Technologies Co., Ltd

TESTED: Feb. 02, 2012

TEST SAMPLE: ENGINEERING SAMPLE

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

ANSI C63.10-2009

The above equipment (model: G3T) 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 :  , DATE : Mar. 05, 2012
Pettie Chen / Specialist

APPROVED BY :  , DATE : Mar. 05, 2012
Gary Chang / Technical 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 1.5Vdc 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 -12.0dB at 4948.0MHz.

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
Radiated emission	30MHz ~ 200MHz	3.19 dB
	200MHz ~1000MHz	3.21 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

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	Wireless Mouse
MODEL NO.	G3T
POWER SUPPLY	1.5Vdc (batteries) (1.5Vdc AA *1)
MODULATION TYPE	GFSK
DATA RATE	1Mbps
OPERATING FREQUENCY	2408 ~ 2474MHz
NUMBER OF CHANNEL	34
ANTENNA TYPE	Printed antenna
DATA CABLE	N/A
I/O PORT	N/A
ACCESSORY DEVICES	Receiver (Brand: ACROX, model: MQ5)

NOTE:

1. The EUT has transmitter and receiver functions.
2. The above EUT information is 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

34 channels are provided to this EUT:

CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)
1	2408	18	2442
2	2410	19	2444
3	2412	20	2446
4	2414	21	2448
5	2416	22	2450
6	2418	23	2452
7	2420	24	2454
8	2422	25	2456
9	2424	26	2458
10	2426	27	2460
11	2428	28	2462
12	2430	29	2464
13	2432	30	2466
14	2434	31	2468
15	2436	32	2470
16	2438	33	2472
17	2440	34	2474



3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	BM	
-	√	√	-	√	-

Where **RE<1G**: Radiated Emission below 1GHz **RE≥1G**: Radiated Emission above 1GHz
PLC: Power Line Conducted Emission **BM**: Bandedge Measurement

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

RADIATED EMISSION TEST (ABOVE 1 GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations axis and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
-	1 to 34	1, 17, 34	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 axis and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
-	1 to 34	1	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.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
-	1 to 34	1, 34	GFSK

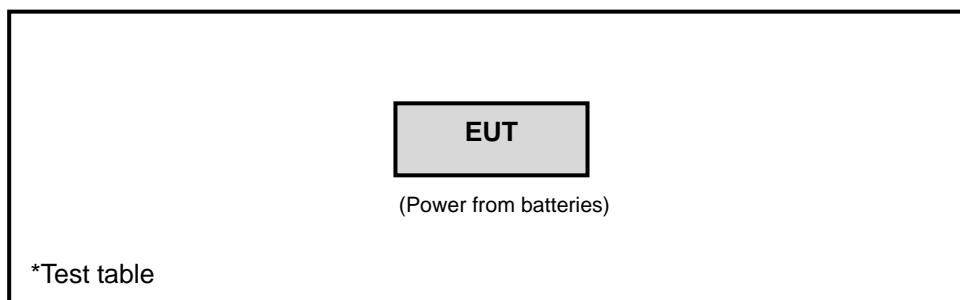
TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE≥1G	25deg. C, 65%RH	1.5Vdc	Anderson Hong
RE<1G	25deg. C, 65%RH	1.5Vdc	Anderson Hong
BM	25deg. C, 65%RH	1.5Vdc	Anderson Hong

3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit.

3.3.1 CONFIGURATION OF SYSTEM UNDER TEST



3.4 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 C63.10-2009

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

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION AND BAND EDGE MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following

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

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits as below table, whichever is the lesser attenuation

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

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. 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.



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4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCI	100744	Apr. 19, 2011	Apr. 18, 2012
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100040	Aug. 04, 2011	Aug. 03, 2012
BILOG Antenna SCHWARZBECK	VULB9168	9168-156	Apr. 12, 2011	Apr. 11, 2012
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-563	Sep. 06, 2011	Sep. 05, 2012
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 20, 2011	Jul. 19, 2012
Preamplifier Agilent	8449B	3008A01911	Oct. 29, 2011	Oct. 28, 2012
Preamplifier Agilent	8447D	2944A10638	Oct. 29, 2011	Oct. 28, 2012
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	295013/4 283403/4	Aug. 19, 2011	Aug. 18, 2012
RF signal cable Worken	8D-FB	Cable-HYCH9-01	Aug. 13, 2011	Aug. 12, 2012
Software	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower & Turn Table Controller EMCO	2090	NA	NA	NA

- NOTE:**
1. The calibration interval of the above test instruments except loop antenna is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in HwaYa Chamber 9.
 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 460141.
 5. The IC Site Registration No. is IC 7450F-4.

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.

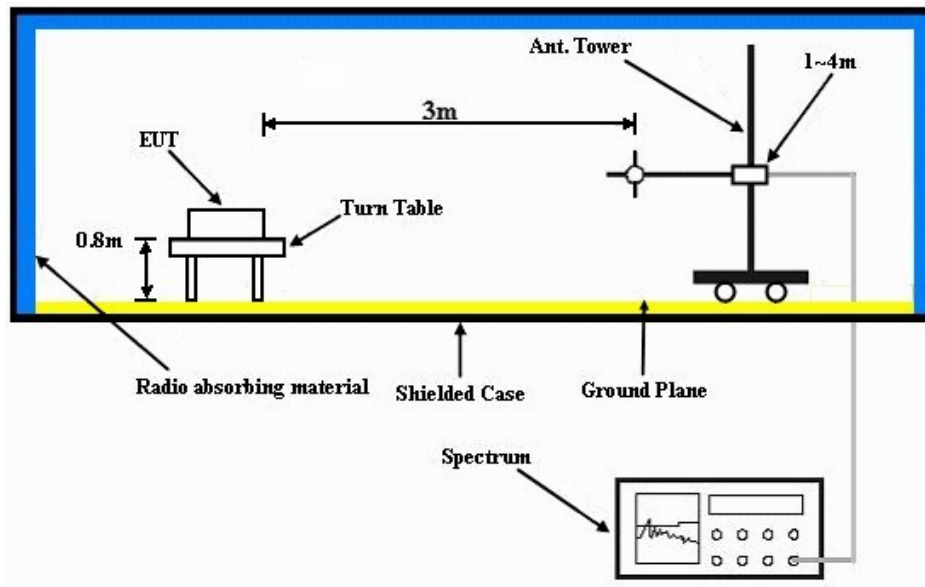
NOTE:

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

Set the EUT under transmission condition continuously at specific channel frequency.



4.1.7 TEST RESULTS

ABOVE 1GHz DATA

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	1.5 Vdc	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Anderson Hong

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	2383.00	40.4 PK	74.0	-33.6	1.33 H	246	8.90	31.50
2	2383.00	29.5 AV	54.0	-24.5	1.33 H	246	-2.00	31.50
3	2398.00	40.1 PK	74.0	-33.9	1.33 H	246	8.60	31.50
4	2398.00	30.9 AV	54.0	-23.1	1.33 H	246	-0.60	31.50
5	2400.00	49.9 PK	74.0	-24.1	1.33 H	246	18.40	31.50
6	2400.00	16.8 AV	54.0	-37.2	1.33 H	246	-14.70	31.50
7	*2408.00	87.9 PK	114.0	-26.1	1.33 H	246	56.30	31.60
8	*2408.00	54.8 AV	94.0	-39.2	1.33 H	246	23.20	31.60
9	4816.00	61.2 PK	74.0	-12.8	1.04 H	0	23.50	37.70
10	4816.00	28.1 AV	54.0	-25.9	1.04 H	0	-9.60	37.70
11	7224.00	57.6 PK	74.0	-16.4	1.04 H	3	13.90	43.70
12	7224.00	24.5 AV	54.0	-19.2	1.04 H	3	-19.2	43.70

- 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 + $20\log(\text{Duty cycle})$ Where the duty factor is calculated from following formula:
 $20 \log (\text{Duty cycle}) = 20 \log (7 \times (0.172+0.144) \text{ ms} / 100 \text{ ms}) = -33.1\text{dB}$
Please see page 18 for plotted duty.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	1.5 Vdc	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Anderson Hong

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	2383.00	39.1 PK	74.0	-34.9	1.03 V	35	7.60	31.50
2	2383.00	26.8 AV	54.0	-27.2	1.03 V	35	-4.70	31.50
3	2398.00	38.4 PK	74.0	-35.6	1.03 V	35	6.90	31.50
4	2398.00	26.9 AV	54.0	-27.1	1.03 V	35	-4.60	31.50
5	2400.00	49.2 PK	74.0	-24.8	1.03 V	35	17.70	31.50
6	2400.00	16.1 AV	54.0	-37.9	1.03 V	35	-15.40	31.50
7	*2408.00	78.2 PK	114.0	-35.8	1.03 V	35	46.60	31.60
8	*2408.00	45.1 AV	94.0	-48.9	1.03 V	35	13.50	31.60
9	4816.00	56.0 PK	74.0	-18.0	1.51 V	93	18.30	37.70
10	4816.00	22.9 AV	54.0	-31.1	1.51 V	93	-14.80	37.70
11	7224.00	57.0 PK	74.0	-17.0	1.24 V	344	13.30	43.70
12	7224.00	23.9 AV	54.0	-30.1	1.24 V	344	-19.80	43.70

- 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:
 $20 \log (\text{Duty cycle}) = 20 \log (7 \times (0.172+0.144) \text{ ms} / 100 \text{ ms}) = -33.1\text{dB}$
Please see page 18 for plotted duty.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 17	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	1.5 Vdc	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Anderson Hong

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	*2440.00	87.5 PK	114.0	-26.5	1.30 H	248	55.80	31.70
2	*2440.00	54.4 AV	94.0	-39.6	1.30 H	248	22.70	31.70
3	4880.00	61.4 PK	74.0	-12.6	1.03 H	0	23.60	37.80
4	4880.00	28.3 AV	54.0	-25.7	1.03 H	0	-9.50	37.80
5	7320.00	58.0 PK	74.0	-16.0	1.02 H	3	14.10	43.90
6	7320.00	24.9 AV	54.0	-29.1	1.02 H	3	-19.00	43.90

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	*2440.00	77.8 PK	114.0	-36.2	1.03 V	36	46.10	31.70
2	*2440.00	44.7 AV	94.0	-49.3	1.03 V	36	13.00	31.70
3	4880.00	55.5 PK	74.0	-18.5	1.31 V	104	17.70	37.80
4	4880.00	22.4 AV	54.0	-31.6	1.31 V	104	-15.40	37.80
5	7320.00	57.2 PK	74.0	-16.8	1.21 V	95	13.30	43.90
6	7320.00	24.1 AV	54.0	-29.9	1.21 V	95	-19.80	43.90

- 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:
 $20 \log (\text{Duty cycle}) = 20 \log (7 \times (0.172+0.144) \text{ ms} / 100 \text{ ms}) = -33.1\text{dB}$
Please see page 18 for plotted duty.



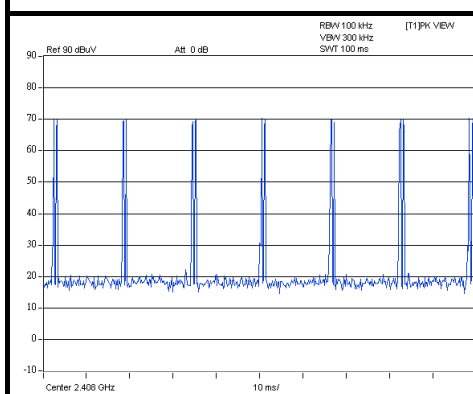
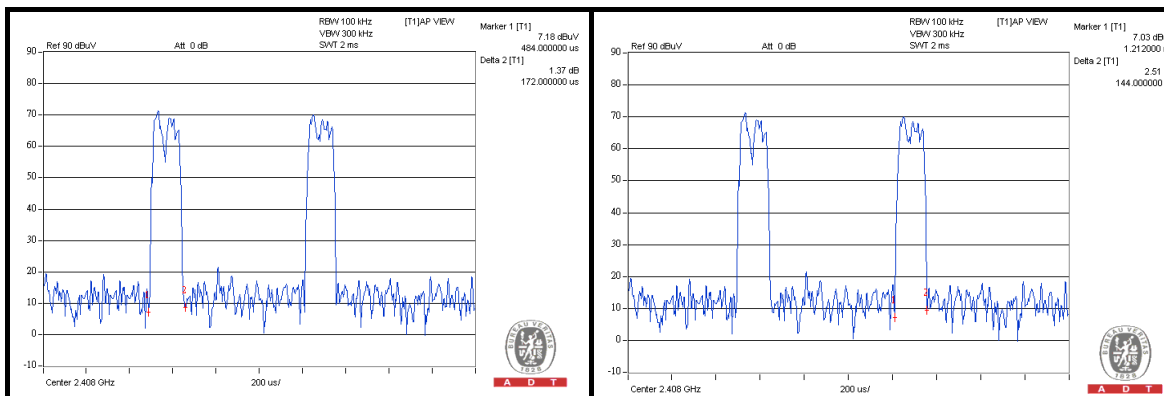
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 34	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	1.5 Vdc	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Anderson Hong

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	*2474.00	88.6 PK	114.0	-25.4	1.29 H	245	56.80	31.80
2	*2474.00	55.5 AV	94.0	-38.5	1.29 H	245	23.70	31.80
3	2483.50	48.9 PK	74.0	-25.1	1.29 H	245	17.00	31.90
4	2483.50	15.8 AV	54.0	-38.2	1.29 H	245	-16.10	31.90
5	2487.00	44.5 PK	74.0	-29.5	1.29 H	245	12.60	31.90
6	2487.00	35.6 AV	54.0	-18.4	1.29 H	245	3.70	31.90
7	4948.00	62.0 PK	74.0	-12.0	1.01 H	0	24.00	38.00
8	4948.00	28.9 AV	54.0	-25.1	1.01 H	0	-9.10	38.00
9	7422.00	57.0 PK	74.0	-17.0	1.02 H	9	12.80	44.20
10	7422.00	23.9 AV	54.0	-30.1	1.02 H	9	-20.30	44.20
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	*2474.00	78.5 PK	114.0	-35.5	1.12 V	215	46.70	31.80
2	*2474.00	45.4 AV	94.0	-48.6	1.12 V	215	13.60	31.80
3	2483.50	33.3 PK	74.0	-40.7	1.12 V	215	1.40	31.90
4	2483.50	0.2 AV	54.0	-53.8	1.12 V	215	-31.70	31.90
5	2487.00	37.8 PK	74.0	-36.2	1.12 V	215	5.90	31.90
6	2487.00	27.9 AV	54.0	-26.1	1.12 V	215	-4.00	31.90
7	4948.00	55.1 PK	74.0	-18.9	2.13 V	109	17.10	38.00
8	4948.00	22.0 AV	54.0	-32.0	2.13 V	109	-16.00	38.00
9	7422.00	55.4 PK	74.0	-18.6	1.28 V	96	11.20	44.20
10	7422.00	22.3 AV	54.0	-31.7	1.28 V	96	-21.90	44.20

- 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:
 $20 \log (\text{Duty cycle}) = 20 \log (7 \times (0.172+0.144) \text{ ms} / 100 \text{ ms}) = -33.1\text{dB}$
Please see page 18 for plotted duty.



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$$20 \log (\text{Duty cycle}) = 20 \log (7 \times (0.172+0.144) \text{ ms} / 100 \text{ ms}) = -33.1 \text{ dB}$$

**BELOW 1GHz WORST-CASE DATA**

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 34	FREQUENCY RANGE	Below 1000MHz
INPUT POWER	1.5 Vdc	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Anderson Hong

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	175.72	22.5 QP	43.5	-21.0	1.00 H	130	9.30	13.20
2	243.77	20.8 QP	46.0	-25.2	2.00 H	349	7.90	12.90
3	444.03	23.1 QP	46.0	-22.9	2.00 H	166	4.40	18.70
4	515.97	25.9 QP	46.0	-20.1	2.00 H	253	5.40	20.50
5	601.52	30.1 QP	46.0	-15.9	1.25 H	160	7.70	22.40
6	700.68	30.5 QP	46.0	-15.5	1.50 H	241	7.60	22.90
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	30.20	24.7 QP	40.0	-15.3	1.00 V	120	12.30	12.40
2	107.67	25.1 QP	43.5	-18.4	1.25 V	298	14.70	10.40
3	134.89	22.0 QP	43.5	-21.5	1.25 V	112	8.80	13.20
4	189.33	25.1 QP	43.5	-18.4	1.00 V	135	13.00	12.10
5	243.77	25.1 QP	46.0	-20.9	1.00 V	77	12.20	12.90
6	700.68	33.5 QP	46.0	-12.5	1.00 V	310	10.60	22.90

- 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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5. PHOTOGRAPHS OF THE TEST CONFIGURATION

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



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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 according to ISO/IEC 17025.

Copies of accreditation and authorization certificates of our laboratories obtained from approval agencies can be downloaded from our web site:

<http://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

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF Lab

Tel: 886-3-5935343

Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety/Telecom Lab

Tel: 886-3-3183232

Fax: 886-3-3185050

Email: service.adt@tw.bureauveritas.com

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 – MODIFICATION RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

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

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