



# FCC TEST REPORT

**REPORT NO.:** RF141007D05  
**MODEL NO.:** MORFFLUOA  
**FCC ID:** EMJMMORFFLUOA  
**RECEIVED:** Oct. 7, 2014  
**TESTED:** Dec. 30, 2014  
**ISSUED:** Jan. 7, 2015

**APPLICANT:** PRIMAX ELECTRONICS LTD.

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

**LAB LOCATION:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist.,  
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## Table of Contents

RELEASE CONTROL RECORD.....	3
1. CERTIFICATION .....	4
2. SUMMARY OF TEST RESULTS.....	5
2.1 MEASUREMENT UNCERTAINTY .....	5
3. GENERAL INFORMATION .....	6
3.1 GENERAL DESCRIPTION OF EUT.....	6
3.2 DESCRIPTION OF TEST MODES.....	7
3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL .....	8
3.3 DESCRIPTION OF SUPPORT UNITS .....	9
3.3.1 CONFIGURATION OF SYSTEM UNDER TEST .....	9
3.4 GENERAL DESCRIPTION OF APPLIED STANDARDS .....	10
4. TEST TYPES AND RESULTS .....	11
4.1 CONDUCTED EMISSION MEASUREMENT .....	11
4.2 RADIATED EMISSION AND BAND EDGE MEASUREMENT .....	11
4.2.1 LIMITS OF RADIATED EMISSION AND BAND EDGE MEASUREMENT .....	11
4.2.2 TEST INSTRUMENTS .....	12
4.2.3 TEST PROCEDURES.....	13
4.2.4 DEVIATION FROM TEST STANDARD .....	13
4.2.5 TEST SETUP .....	14
4.2.6 EUT OPERATING CONDITIONS.....	14
4.2.7 TEST RESULTS.....	15
5. PHOTOGRAPHS OF THE TEST CONFIGURATION.....	19
6. INFORMATION ON THE TESTING LABORATORIES .....	20
7. APPENDIX A – MODIFICATION RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB.....	21



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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF141007D05	Original release	Jan. 7, 2015



## 1. CERTIFICATION

**PRODUCT:** Wireless Optical Mouse

**BRAND NAME:** acer

**MODEL NO.:** MORFFLUOA

**APPLICANT:** PRIMAX ELECTRONICS LTD.

**TESTED:** Dec. 30, 2014

**TEST SAMPLE:** ENGINEERING SAMPLE

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

ANSI C63.10-2009

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:** Jan. 7, 2015  
( Jessica Cheng / Senior Specialist )

**APPROVED BY :** Rex Lai , **DATE:** Jan. 7, 2015  
( Rex Lai / 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	N/A	Power supply is 1.5Vdc from battery
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 -7.3dB at 2483.50MHz.

### 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	Frequency	Uncertainty
Radiated emissions	30MHz ~ 1GHz	4.00 dB
	Above 1GHz	3.36 dB

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

<b>EUT</b>	Wireless Optical Mouse
<b>MODEL NO.</b>	MORFFLUOA
<b>POWER SUPPLY</b>	1.5Vdc from battery
<b>MODULATION TYPE</b>	GFSK
<b>OPERATING FREQUENCY</b>	2402MHz ~ 2479MHz
<b>NUMBER OF CHANNEL</b>	78
<b>ANTENNA TYPE</b>	Printed antenna with 3.85dBi gain
<b>DATA CABLE</b>	N/A
<b>I/O PORT</b>	N/A
<b>ACCESSORY DEVICES</b>	N/A

**NOTE:**

1. The EUT is a Wireless Optical Mouse with 2.4G function.
  
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

78 channels are provided to this EUT:

CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460		
19	2421	39	2441	59	2461		



### 3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	PLC	RE <sup>3</sup> 1G	RE<1G	BM	
-	Note 1	√	√	√	-

Where **PLC**: Power Line Conducted Emission      **RE<sup>3</sup>1G**: Radiated Emission above 1GHz  
**RE<1G**: Radiated Emission below 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.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
-	0 to 77	0, 39, 77	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.

EUT CONFIGURE MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE
-	0 to 77	0	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
-	0 to 77	0, 77	GFSK

#### TEST CONDITION:

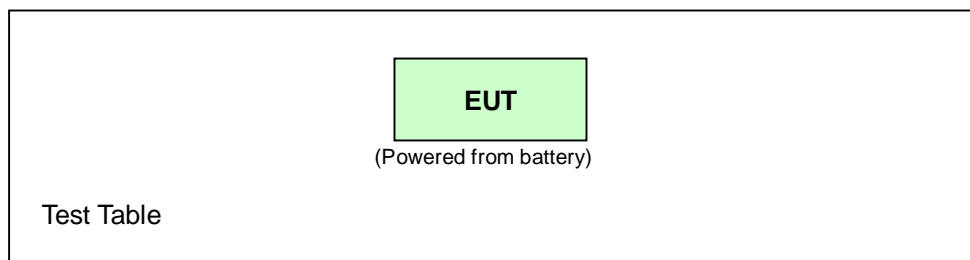
APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE <sup>3</sup> 1G	24deg. C, 69% RH	1.5Vdc	Dalen Dai
RE<1G	24deg. C, 69% RH	1.5Vdc	Dalen Dai
BM	24deg. C, 69% RH	1.5Vdc	Dalen Dai



### 3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together without any necessary accessory or support 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 CONDUCTED EMISSION MEASUREMENT

N/A

### 4.2 RADIATED EMISSION AND BAND EDGE MEASUREMENT

#### 4.2.1 LIMITS OF RADIATED EMISSION AND BAND EDGE 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.



## 4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
HP Preamplifier	8447D	2432A03504	Feb. 26, 2014	Feb. 25, 2015
HP Preamplifier	8449B	3008A01201	Feb. 26, 2014	Feb. 25, 2015
MITEQ Preamplifier	AMF-6F-260400-33-8P	892164	Mar. 01, 2014	Feb. 28, 2015
Agilent Spectrum	E4446A	MY51100050	Oct. 24, 2014	Oct. 23, 2015
Agilent TEST RECEIVER	N9038A	MY51210129	Jan. 18, 2014	Jan. 17, 2015
Schwarzbeck Antenna	VULB 9168	139	Feb. 24, 2014	Feb. 23, 2015
Schwarzbeck Antenna	VHBA 9123	480	May 29, 2013	May 28, 2015
Schwarzbeck Horn Antenna	BBHA-9170	212	Aug. 26, 2014	Aug. 25, 2015
Schwarzbeck Horn Antenna	BBHA 9120-D1	D130	Aug. 26, 2014	Aug. 25, 2015
ADT. Turn Table	TT100	0306	NA	NA
ADT. Tower	AT100	0306	NA	NA
Software	ADT_Radiated_V 7.6.15.9.4	NA	NA	NA
SUHNER RF cable	SF104	CABLE-CH6	Aug. 15, 2014	Aug. 14, 2015
SUHNER RF cable	SF102	Cable-CH8-3.6m	Aug. 15, 2014	Aug. 14, 2015
EMCO Horn Antenna	3115	00028257	Aug. 28, 2014	Aug. 27, 2015
Highpass filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	NA	NA
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 29, 2014	Sep. 28, 2015

- NOTE:** 1. The calibration interval of the above test instruments is 12/24 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 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:**

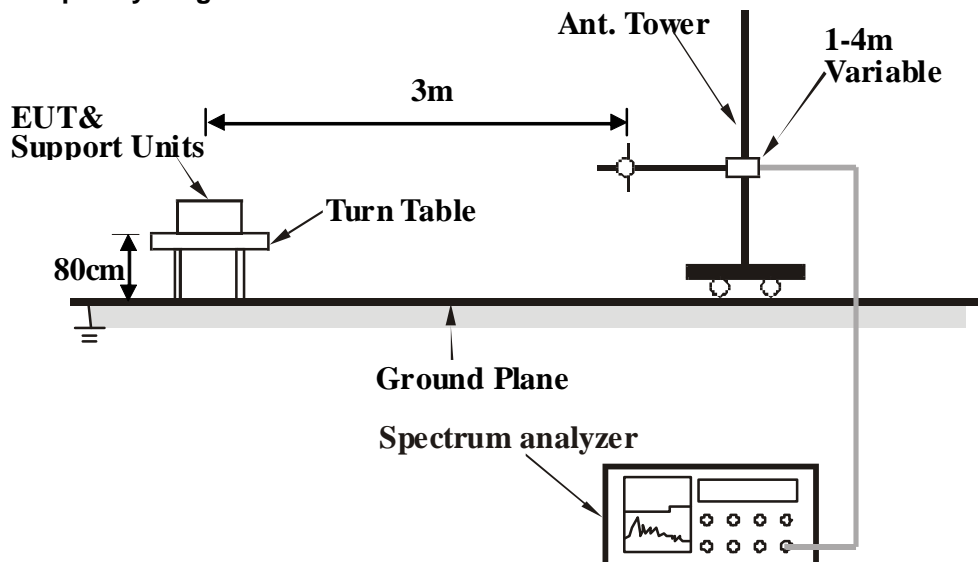
1. For emission measurements above 1 GHz, the EUT shall be placed at a height of 1.5 m above the ground at 3 meter chamber room for test
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

### 4.2.4 DEVIATION FROM TEST STANDARD

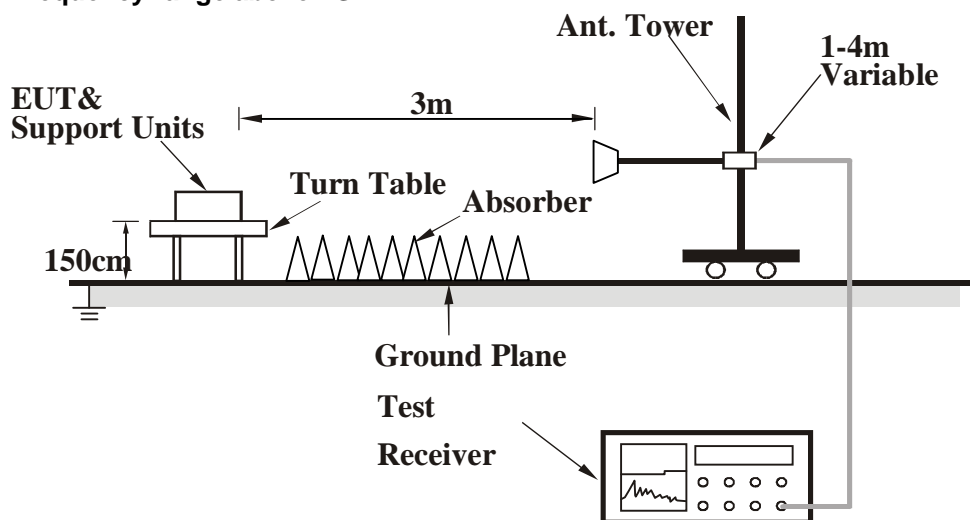
No deviation.

## 4.2.5 TEST SETUP

Frequency range 30MHz~1GHz



Frequency range above 1GHz



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

## 4.2.6 EUT OPERATING CONDITIONS

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



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## 4.2.7 TEST RESULTS

### ABOVE 1GHz DATA

<b>CHANNEL</b>	TX Channel 0	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 25GHz		Average (AV)

#### 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	55.5 PK	74.0	-18.5	1.15 H	345	59.67	-4.20
2	2390.00	30.2 AV	54.0	-23.8	1.15 H	345	34.43	-4.20
3	2400.00	53.2 PK	74.0	-20.8	1.15 H	345	57.37	-4.14
4	2400.00	24.0 AV	54.0	-30.0	1.15 H	345	28.17	-4.14
5	*2402.00	91.4 PK	114.0	-22.6	1.15 H	345	95.56	-4.13
6	*2402.00	62.2 AV	94.0	-31.8	1.15 H	345	66.36	-4.13
7	4804.00	49.2 PK	74.0	-24.8	1.09 H	227	46.83	2.35
8	4804.00	37.5 AV	54.0	-16.5	1.09 H	227	35.12	2.35

#### 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	2390.00	48.1 PK	74.0	-25.9	1.00 V	285	52.27	-4.20
2	2390.00	28.6 AV	54.0	-25.4	1.00 V	285	32.83	-4.20
3	2400.00	44.1 PK	74.0	-29.9	1.00 V	285	48.25	-4.14
4	2400.00	18.0 AV	54.0	-36.0	1.00 V	285	22.14	-4.14
5	*2402.00	82.3 PK	114.0	-31.7	1.00 V	285	86.44	-4.13
6	*2402.00	56.2 AV	94.0	-37.8	1.00 V	285	60.33	-4.13
7	4804.00	47.5 PK	74.0	-26.5	1.02 V	352	45.17	2.35
8	4804.00	35.7 AV	54.0	-18.3	1.02 V	352	33.35	2.35

#### 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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.



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<b>CHANNEL</b>	TX Channel 39	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 25GHz		Average (AV)

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	*2441.00	94.7 PK	114.0	-19.3	1.14 H	6	98.65	-3.95
2	*2441.00	64.9 AV	94.0	-29.1	1.14 H	6	68.81	-3.95
3	4882.00	49.6 PK	74.0	-24.4	1.05 H	194	47.13	2.47
4	4882.00	39.2 AV	54.0	-14.8	1.05 H	194	36.69	2.47
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	*2441.00	84.9 PK	114.0	-29.1	1.00 V	348	88.89	-3.95
2	*2441.00	57.7 AV	94.0	-36.3	1.00 V	348	61.69	-3.95
3	4882.00	47.8 PK	74.0	-26.2	1.04 V	296	45.29	2.47
4	4882.00	36.0 AV	54.0	-18.0	1.04 V	296	33.52	2.47

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.





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<b>CHANNEL</b>	TX Channel 77	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 25GHz		Average (AV)

**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	*2479.00	96.7 PK	114.0	-17.3	1.15 H	0	100.52	-3.79
2	*2479.00	66.6 AV	94.0	-27.4	1.15 H	0	70.37	-3.79
<b>3</b>	<b>2483.50</b>	<b>66.7 PK</b>	<b>74.0</b>	<b>-7.3</b>	<b>1.15 H</b>	<b>0</b>	<b>70.50</b>	<b>-3.77</b>
4	2483.50	36.6 AV	54.0	-17.4	1.15 H	0	40.35	-3.77
5	4958.00	51.2 PK	74.0	-22.8	1.03 H	191	48.62	2.59
6	4958.00	40.7 AV	54.0	-13.3	1.03 H	191	38.15	2.59

**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	*2479.00	87.3 PK	114.0	-26.7	1.00 V	292	91.07	-3.79
2	*2479.00	60.8 AV	94.0	-33.2	1.00 V	292	64.63	-3.79
3	2483.50	57.3 PK	74.0	-16.7	1.00 V	292	61.05	-3.77
4	2483.50	30.8 AV	54.0	-23.2	1.00 V	292	34.61	-3.77
5	4958.00	48.9 PK	74.0	-25.1	1.00 V	316	46.35	2.59
6	4958.00	38.2 AV	54.0	-15.8	1.00 V	316	35.59	2.59

**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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.



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### BELOW 1GHz WORST-CASE DATA

<b>CHANNEL</b>	TX Channel 0	<b>DETECTOR FUNCTION</b>	Quasi-Peak (QP)
<b>FREQUENCY RANGE</b>	30MHz ~ 1GHz		

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	42.22	18.3 QP	40.0	-21.7	1.38 H	108	32.51	-14.18
2	123.36	20.1 QP	43.5	-23.4	1.87 H	43	35.82	-15.68
3	431.58	19.3 QP	46.0	-26.7	1.24 H	360	28.71	-9.43
4	670.95	23.6 QP	46.0	-22.4	1.00 H	178	28.79	-5.19
5	748.33	25.4 QP	46.0	-20.6	1.08 H	360	29.18	-3.74
6	919.81	28.2 QP	46.0	-17.8	1.44 H	38	29.12	-0.93
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	38.44	21.7 QP	40.0	-18.3	1.62 V	272	36.26	-14.60
2	108.28	18.8 QP	43.5	-24.7	1.07 V	338	35.81	-17.05
3	594.93	23.2 QP	46.0	-22.8	1.25 V	38	29.53	-6.32
4	708.08	23.9 QP	46.0	-22.2	1.00 V	170	28.63	-4.78
5	828.26	26.2 QP	46.0	-19.9	1.16 V	229	28.55	-2.40
6	900.53	27.6 QP	46.0	-18.5	1.37 V	280	28.89	-1.34

#### 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) – Pre-Amplifier 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).



## 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.

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/Telecom Lab**

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**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

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 modifications were made to the EUT by the lab during the test.

**---END---**