

FCC TEST REPORT

REPORT NO.: RF120313C10A

MODEL NO.: SRMB04

FCC ID: FDI000000007

RECEIVED: Nov. 27, 2012

TESTED: Nov. 29, 2012

ISSUED: Dec. 05, 2012

APPLICANT: BUFFALO INC.

ADDRESS: AKAMONDORI Bldg., 30-20, Ohsu 3-chome,

Naka-ku, Nagoya. Aichi, 460-8315, Japan

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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	CERTIFICATION



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF120313C10A	Original release	Dec. 05, 2012

Report No.: RF120313C10A 3 of 22 Report Format Version 5.0.0

Reference No.: 121127C25



1. CERTIFICATION

PRODUCT: Blue LED Wireless Mouse

MODEL NO.: SRMB04

BRAND: iBUFFALO

APPLICANT: BUFFALO INC.

TESTED: Nov. 29, 2012

TEST SAMPLE: ENGINEERING SAMPLE

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

ANSI C63.10-2009

The above equipment (model: SRMB04) 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 : Dec. 05, 2012

Polly Chien / Specialist

APPROVED BY : , DATE : Dec. 05, 2012

Ken Liu / 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	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 -9.5dB at 2478.00MHz.

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
Radiated emission	30MHz ~ 200MHz	3.34 dB
	200MHz ~1000MHz	3.35 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.

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3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	Blue LED Wireless Mouse	
MODEL NO.	SRMB04	
POWER SUPPLY	3.0Vdc (batteries) (1.5Vdc AAA *2)	
MODULATION TYPE	GFSK	
DATA RATE	2M bit /sec	
OPERATING FREQUENCY	2406 ~ 2478MHz	
NUMBER OF CHANNEL	5	
ANTENNA TYPE	Copper trace antenna with 1.64dBi gain	
DATA CABLE	NA	
I/O PORT	USB Port (For 2.4GHz Wireless receiver)	
ACCESSORY DEVICES	2.4GHz Wireless receiver (Brand: iBUFFALO, model: SRDW01)	

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

5 channels are provided to this EUT:

Channel	Frequency
1	2406 MHz
2	2425 MHz
3	2440 MHz
4	2470 MHz
5	2478 MHz

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3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE		APPLICA	ABLE TO		DESCRIPTION
MODE	RE≥1G	RE<1G	PLC	вм	DESCRIPTION
-	V	V	-	V	-

Where

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

RE≥1G: Radiated Emission above 1GHz

BM: Bandedge Measurement

NOTE:

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

2. "-"means no effect.

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
-	2406 ~ 2478	2406, 2440, 2478	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
-	2406 ~ 2478	2478	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
-	2406 ~ 2478	2406, 2478	GFSK

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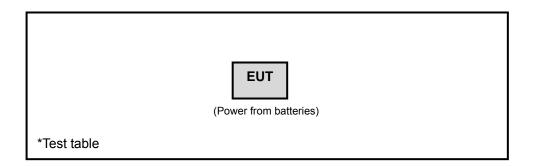
TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE≥1G	25deg. C, 65%RH	3Vdc	Cedric Wu
RE<1G	25deg. C, 65%RH	3Vdc	Cedric Wu
ВМ	25deg. C, 65%RH	3Vdc	Cedric Wu

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.

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

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4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION AND BAND EDGE MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION AND BAND EDGE MEASUREMENT

The field strength of emissions from intentional radiators operate d 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.



4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100212	Aug. 06, 2012	Aug. 05, 2013
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Feb. 03, 2012	Feb. 02, 2013
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Apr. 06, 2012	Apr. 05, 2013
HORN Antenna SCHWARZBECK	9120D	209	Sep. 03, 2012	Sep. 02, 2013
HORN Antenna SCHWARZBECK	BBHA 9170	148	Jul. 11, 2012	Jul. 10, 2013
Loop Antenna	HFH2-Z2	100070	Jan. 31, 2012	Jan. 30, 2014
Preamplifier Agilent	8447D	2944A10633	Oct. 25, 2012	Oct. 24, 2013
Preamplifier Agilent	8449B	3008A01964	Oct. 25, 2012	Oct. 24, 2013
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	250723/4	Aug. 28, 2012	Aug. 27, 2013
RF signal cable HUBER+SUHNNER	SUCOFLEX 106	12738/6+309224/4	Aug. 28, 2012	Aug. 27, 2013
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 calibration interval of the loop antenna is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
- 3. The test was performed in HwaYa Chamber 3.
- 4. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 5. The FCC Site Registration No. is 988962.
- 6. 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.

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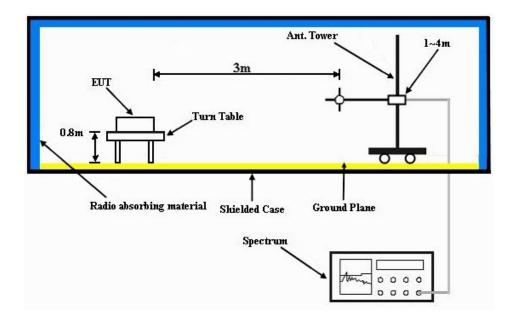
3. All modes of operation were investigated and the worst-case emissions are reported.

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 transmitting mode.



4.1.7 TEST RESULTS

ABOVE 1GHz DATA

EUT TEST CONDITION		MEASUREMENT DETAIL		
CHANNEL	2406MHz	FREQUENCY RANGE	1 ~ 25GHz	
INPUT POWER	3Vdc	DETECTOR FUNCTION	Peak (PK) Average (AV)	
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Cedric 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	51.6 PK	74.0	-22.4	1.30 H	135	20.80	30.80
2	2390.00	37.0 AV	54.0	-17.0	1.30 H	135	6.20	30.80
3	2400.00	44.1 PK	74.0	-29.9	1.31 H	132	13.20	30.90
4	2400.00	35.3 AV	54.0	-18.7	1.31 H	132	4.40	30.90
5	*2406.00	92.5 PK	114.0	-21.5	1.36 H	136	61.60	30.90
6	*2406.00	83.7 AV	94.0	-10.3	1.36 H	136	52.80	30.90
7	4812.00	47.8 PK	74.0	-26.2	1.00 H	122	10.90	36.90
8	4812.00	39.0 AV	54.0	-15.0	1.00 H	122	2.10	36.90
		ANTENNA	POLARIT	/ & TEST DI	STANCE: V	ERTICAL A	T 3 M	
NO.	NO. FREQ. (MHz) LEVEL LIMIT (dBuV/m) MARGIN (dB) HEIGHT (m) ANGLE (dBuV) FACTO						CORRECTION	
	1 (LQ: (III.12)	LEVEL (dBuV/m)		MARGIN (dB)		ANGLE (Degree)		FACTOR (dB/m)
1	2390.00			MARGIN (dB) -25.7				FACTOR
1 2	` ,	(dBuV/m)	(dBuV/m)	- (")	HEIGHT (m)	(Degree)	(dBuV)	FACTOR (dB/m)
	2390.00	(dBuV/m) 48.3 PK	(dBuV/m) 74.0	-25.7	HEIGHT (m) 1.00 V	(Degree) 315	(dBuV) 17.50	FACTOR (dB/m) 30.80
2	2390.00 2390.00	(dBuV/m) 48.3 PK 36.0 AV	(dBuV/m) 74.0 54.0	-25.7 -18.0	1.00 V 1.00 V	(Degree) 315 315	(dBuV) 17.50 5.20	FACTOR (dB/m) 30.80 30.80
2	2390.00 2390.00 2400.00	(dBuV/m) 48.3 PK 36.0 AV 38.9 PK	(dBuV/m) 74.0 54.0 74.0	-25.7 -18.0 -35.1	1.00 V 1.00 V 1.00 V	(Degree) 315 315 305	(dBuV) 17.50 5.20 8.00	FACTOR (dB/m) 30.80 30.80 30.90
3 4	2390.00 2390.00 2400.00 2400.00	(dBuV/m) 48.3 PK 36.0 AV 38.9 PK 30.1 AV	(dBuV/m) 74.0 54.0 74.0 54.0 54.0	-25.7 -18.0 -35.1 -23.9	1.00 V 1.00 V 1.00 V 1.00 V	(Degree) 315 315 305 305	(dBuV) 17.50 5.20 8.00 -0.80	FACTOR (dB/m) 30.80 30.80 30.90 30.90
2 3 4 5	2390.00 2390.00 2400.00 2400.00 *2406.00	(dBuV/m) 48.3 PK 36.0 AV 38.9 PK 30.1 AV 84.1 PK	(dBuV/m) 74.0 54.0 74.0 54.0 114.0	-25.7 -18.0 -35.1 -23.9 -29.9	1.00 V 1.00 V 1.00 V 1.00 V 1.00 V	(Degree) 315 315 305 305 313	(dBuV) 17.50 5.20 8.00 -0.80 53.20	FACTOR (dB/m) 30.80 30.80 30.90 30.90 30.90

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
- 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 (0.657 ms / 1.81 ms) = -8.8 dB
 Please see page 18 for plotted duty.



EUT TEST CONDITION		MEASUREMENT DETAIL		
CHANNEL	2440MHz	FREQUENCY RANGE	1 ~ 25GHz	
INPUT POWER	3Vdc	DETECTOR FUNCTION	Peak (PK) Average (AV)	
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Cedric 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	1626.60	46.6 PK	74.0	-27.4	1.00 H	120	18.00	28.60
2	1626.60	33.5 AV	54.0	-20.5	1.00 H	120	4.90	28.60
3	*2440.00	93.0 PK	114.0	-21.0	1.37 H	126	62.00	31.00
4	*2440.00	84.2 AV	94.0	-9.8	1.37 H	126	53.20	31.00
5	4880.00	47.0 PK	74.0	-27.0	1.00 H	111	9.90	37.10
6	4880.00	38.2 AV	54.0	-15.8	1.00 H	111	1.10	37.10
		ANTENNA	A POLARIT	/ & TEST DI	STANCE: V	ERTICAL A	T 3 M	
NO.	NO. FREQ. (MHz) LEVEL LIMIT MARGIN (dB) ANTENNA ANGLE RAW VALUE FAC							CORRECTION FACTOR (dB/m)
1	1626.60	45.1 PK	74.0	-28.9	1.00 V	315	16.50	28.60
2	1626.60	33.0 AV	54.0	-21.0	1.00 V	315	4.40	28.60
3	*2440.00	84.2 PK	114.0	-29.8	1.00 V	310	53.20	31.00
3	*2440.00 *2440.00	84.2 PK 75.4 AV	114.0 94.0	-29.8 -18.6	1.00 V 1.00 V	310 310	53.20 44.40	31.00 31.00
		-						

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
- 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 (0.657 ms / 1.81 ms) = -8.8 dB
 Please see page 18 for plotted duty.

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EUT TEST CONDITION		MEASUREMENT DETAIL		
CHANNEL	2478MHz	FREQUENCY RANGE	1 ~ 25GHz	
INPUT POWER	3Vdc	DETECTOR FUNCTION	Peak (PK) Average (AV)	
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Cedric 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	*2478.00	93.3 PK	114.0	-20.7	1.25 H	143	62.10	31.20	
2	*2478.00	84.5 AV	94.0	-9.5	1.25 H	143	53.30	31.20	
3	2483.50	43.6 PK	74.0	-30.4	1.25 H	140	12.40	31.20	
4	2483.50	34.8 AV	54.0	-19.2	1.25 H	140	3.60	31.20	
5	4956.00	48.5 PK	74.0	-25.5	1.00 H	104	11.20	37.30	
6	4956.00	39.7 AV	54.0	-14.3	1.00 H	104	2.40	37.30	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 3 M		
NO.	NO. FREQ. (MHz) LEVEL LIMIT MARGIN (dB) ANTENNA ANGLE RAW VALUE FACT							CORRECTION FACTOR (dB/m)	
1	*2478.00	85.1 PK	114.0	-28.9	1.00 V	30	53.90	31.20	
2	*2478.00	76.3 AV	94.0	-17.7	1.00 V	30	45.10	31.20	
3	2483.50	38.9 PK	74.0	-35.1	1.00 V	322	7.70	31.20	
4	2483.50	30.1 AV	54.0	-23.9	1.00 V	322	-1.10	31.20	
	4956.00	48.3 PK	74.0	-25.7	1.00 V	19	11.00	37.30	
5	4956.00	40.3 PK	74.0	-23.1	1.00 V	19	11.00	37.30	

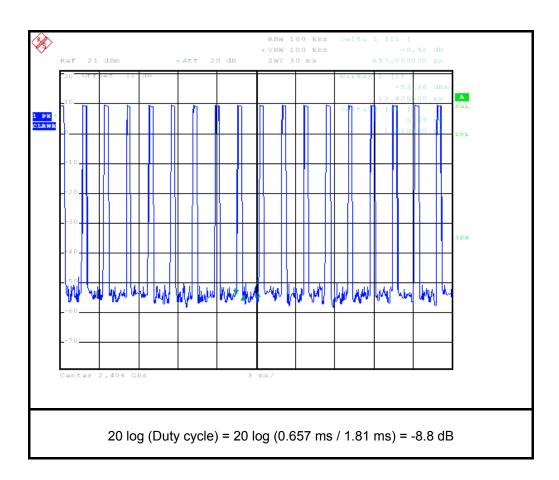
REMARKS:

- 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:

 $20 \log (Duty \ cycle) = 20 \log (0.657 \ ms / 1.81 \ ms) = -8.8 \ dB$

Please see page 18 for plotted duty.







BELOW 1GHz WORST-CASE DATA

EUT TEST CONDITION		MEASUREMENT DETAIL		
CHANNEL	2478MHz	FREQUENCY RANGE	Below 1000MHz	
INPUT POWER	3Vdc	DETECTOR FUNCTION	Quasi-Peak	
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH	TESTED BY	Cedric 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	57.21	29.0 QP	40.0	-11.0	1.00 H	136	15.40	13.60	
2	496.53	18.9 QP	46.0	-27.1	1.25 H	355	-1.00	19.90	
3	620.94	20.2 QP	46.0	-25.8	1.49 H	337	-2.10	22.30	
4	702.59	21.1 QP	46.0	-24.9	1.49 H	343	-2.00	23.10	
5	811.44	24.1 QP	46.0	-21.9	1.49 H	16	-1.60	25.70	
6	937.80	26.4 QP	46.0	-19.6	1.75 H	250	-0.80	27.20	
		ANTENNA	A POLARIT	Y & TEST DI	STANCE: V	ERTICAL A	T 3 M		
NO.	NO. FREQ. (MHz) EMISSION LEVEL (dBuV/m) EMISSION LEVEL (dBuV/m) MARGIN (dB) ANTENNA HEIGHT (m) TABLE ANGLE (dBuV) FACTOR (dB/m)								
1	57.21	26.6 QP	40.0	-13.4	1.00 V	199	13.00	13.60	
2	175.79	12.0 QP	43.5	-31.5	1.25 V	5	-1.10	13.10	
3	420.72	16.6 QP	46.0	-29.4	1.25 V	269	-1.40	18.00	
4	655.93	22.3 QP	46.0	-23.7	1.00 V	331	-0.30	22.60	
5	764.79	22.3 QP	46.0	-23.7	1.25 V	66	-2.40	24.70	

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

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- 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. 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

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

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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 dur	ing the test.
END	

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