

FCC Test Report

Report No.: RF130319E06D

FCC ID: JNZYR0036

Test Model: Y-R0036

Received Date: Oct. 19, 2015

Test Date: Oct. 20, 2015

Issued Date: Oct. 27, 2015

Applicant: LOGITECH FAR EAST LTD.

Address: #2 Creation Rd. 4, Science-Based Ind. Park Hsinchu Taiwan, R.O.C.

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Hsin Chu Laboratory

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Chu Hsien 307, Taiwan R.O.C.

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Chu Hsien 307, Taiwan R.O.C.

Test Location (2): No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin

Chu Hsien 307, Taiwan R.O.C.

Test Location (3): No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin

Chu Hsien 307, Taiwan R.O.C.





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Release Control Record

Issue No.	Description	Date Issued
RF130319E06D	Original release.	Oct. 27, 2015

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1 Certificate of Conformity

Product: 2.4GHz Cordless Keyboard

Brand: Logitech

Test Model: Y-R0036

Sample Status: ENGINEERING SAMPLE

Applicant: LOGITECH FAR EAST LTD.

Test Date: Oct. 20, 2015

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.249)

ANSI C63.10: 2013

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: ______, Date: _____, Oct. 27, 3

Midoli Peng / Specialist

May Chen Manager



2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (SECTION 15.249)					
FCC Clause	Test Item	Result	Remarks		
15.207	AC Power Conducted Emission	NA	Not applicable, because the port is absent in the EUT.		
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 13.3dB at 2400.00MHz.		

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	Expended Uncertainty (k=2) (±)
Radiated Emissions up to 1 GHz	30MHz ~ 1000MHz	5.37 dB
	1GHz ~ 6GHz	3.72 dB
Radiated Emissions above 1 GHz	6GHz ~ 18GHz	4.00 dB
	18GHz ~ 40GHz	4.11 dB

2.2 Modification Record

There were no modifications required for compliance.



3 General Information

3.1 General Description of EUT

Product	2.4GHz Cordless Keyboard
Brand	Logitech
Test Model	Y-R0036
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	DC 3V from battery
Modulation Type	GFSK
Operating Frequency	2405MHz ~ 2474MHz
Number of Channel	12
Antenna Type	PCB printed antenna with 4.94 dBi gain
Accessory Device	NA
Data Cable Supplied	NA

Note:

- 1. The EUT may have a lot of colors for marketing requirement.
- 2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.



Description of Test Modes 3.2

12 channels are provided to this EUT:

Channel	Frequency	Channel	Frequency
1	2405	7	2441
2	2408	8	2444
3	2414	9	2462
4	2417	10	2465
5	2432	11	2471
6	2435	12	2474

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3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE	Į.	APPLICABLE TO	0	DESCRIPTION
MODE	RE≥1G	RE<1G	PLC	
-	√	√	-	-

Where

RE≥1G: Radiated Emission above 1GHz &

Bandedge Measurement

RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

NOTE: "-"means no effect.

Radiated Emission Test (Above 1GHz):

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

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

AVAILABLE	TESTED	MODULATION
CHANNEL	CHANNEL	TYPE
1 to 12	1, 8, 12	GFSK

Radiated Emission Test (Below 1GHz):

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

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

AVAILABLE	TESTED	MODULATION
CHANNEL	CHANNEL	TYPE
1 to 12	8	GFSK

Test Condition:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE≥1G	23deg. C, 70%RH	DC 3V	Weiwei Lo
RE<1G	21deg. C, 66%RH	DC 3V	Weiwei Lo

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3.3 Description of Support Units

The EUT has been tested as an independent unit.

3.3.1 Configuration of System under Test

EUT

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 (15.249)

ANSI C63.10-2013

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



Test Types and Results 4

4.1 **Radiated Emission and Bandedge Measurement**

Limits of Radiated Emission and Bandedge 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 $(dBuV/m) = 20 \log Emission level (uV/m)$.
- For frequencies above 1000MHz, the field strength limits are based on average detector, however, the 3. 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

For below 1GHz test

DESCRIPTION &	MODEL NO.	SERIAL NO.	CALIBRATED	CALIBRATED
MANUFACTURER	WODEL NO.	SCHIAL NO.	DATE	UNTIL
Test Receiver Agilent	N9038A	MY51210105	July 24, 2015	July 23, 2016
Pre-Amplifier Mini-Circuits	ZFL-1000VH2 B	AMP-ZFL-03	Nov. 12, 2014	Nov. 11, 2015
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-360	Feb. 06, 2015	Feb. 05, 2016
RF Cable	8D-FB	CHGCAB-001 -1 CHGCAB-001 -2	Oct. 03, 2015	Oct. 02, 2016
	RF-141	CHGCAB-004	Oct. 03, 2015	Oct. 02, 2016
Software	ADT_Radiated _V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	NA	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 966 Chamber No. G.
- 3. The FCC Site Registration No. is 966073.
- 4. The VCCI Site Registration No. is G-137.
- 5. The CANADA Site Registration No. is IC 7450H-2.
- 6. Tested Date: Oct. 20, 2015



For above 1GHz test

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL	
Test Receiver Agilent	N9038A	MY51210202	Dec. 12, 2014	Dec. 11, 2015	
Horn_Antenna AISI	AIH.8018	0000220091110	Feb. 06, 2015	Feb. 05, 2016	
Pre-Amplifier Agilent	8449B	3008A01923	Oct. 28, 2014	Oct. 27, 2015	
RF Cable	NA	131206 131213 131215 SNMY23685/4	Jan. 16, 2015	Jan. 15, 2016	
Spectrum Analyzer R&S	FSV40	100964	Jun. 26, 2015	Jun. 25, 2016	
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Dec. 12, 2014	Dec. 11, 2015	
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Feb. 05, 2015	Feb. 04, 2016	
RF Cable	NA	329751/4 RF104-204	Dec. 11, 2014	Dec. 10, 2015	
Software	ADT_Radiated _V8.7.07	NA	NA	NA	
Antenna Tower & Turn Table CT	NA	NA	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.
- 3. The test was performed in 966 Chamber No. H.
- 4. The FCC Site Registration No. is 797305.
- 5. The CANADA Site Registration No. is IC 7450H-3.
- 6. Tested Date: Oct. 20, 2015



4.1.3 Test Procedures

- a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. 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 quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

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

111	Deviation	fram T	C+	
414	Devianon	IIOIII I	esi Siai	เดลเด

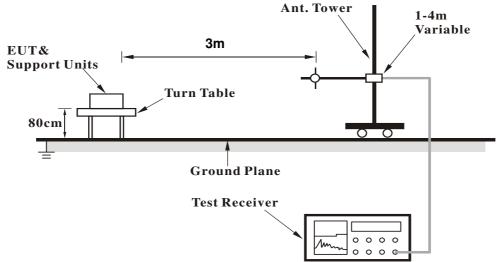
No	deviation	

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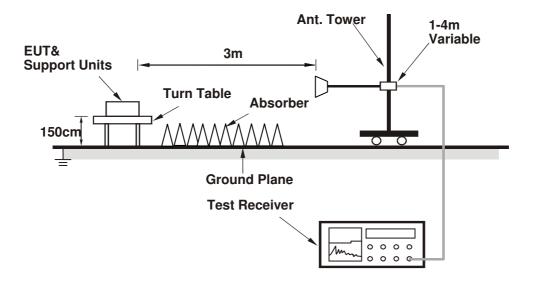


4.1.5 Test Setup

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



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

4.1.6 EUT Operating Conditions

- 1. Placed the EUT on testing table.
- 2. Controlling software (RF sample with Transceiver C-U0010 [Number Lock]) has been activated to set the EUT under transmission/receiving condition continuously.



4.1.7 Test Results

Above 1GHz Data

CHANNEL	TX Channel 1	DETECTOR	Dook (DK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Peak (PK)

	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	2400.00	60.7 PK	74.0	-13.3	1.68 H	158	63.87	-3.17	
2	2400.00	21.2 AV	54.0	-32.8	1.68 H	158	24.37	-3.17	
3	*2405.00	97.7 PK	114.0	-16.3	1.68 H	158	100.85	-3.15	
4	*2405.00	58.2 AV	94.0	-35.8	1.68 H	158	61.35	-3.15	
5	4810.00	47.7 PK	74.0	-26.3	1.01 H	113	41.75	5.95	
6	4810.00	8.2 AV	54.0	-45.8	1.01 H	113	2.25	5.95	
		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	2400.00	50.6 PK	74.0	-23.4	1.74 V	182	53.77	-3.17	
2	2400.00	11.1 AV	54.0	-42.9	1.74 V	182	14.27	-3.17	
3	*2405.00	87.8 PK	114.0	-26.2	1.74 V	182	90.95	-3.15	
4	*2405.00	48.3 AV	94.0	-45.7	1.74 V	182	51.45	-3.15	
5	4810.00	50.0 PK	74.0	-24.0	1.08 V	121	44.05	5.95	
6	4810.00	10.5 AV	54.0	-43.5	1.08 V	121	4.55	5.95	

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.
- 6. The average value of fundamental frequency is: Average = Peak value + 20 log(Duty cycle) Where the duty factor is calculated from following formula:

 $20 \log (Duty cycle) = 20 \log (0.114 \text{ ms} / 10.773 \text{ ms}) = -39.5 \text{ dB}$

Please see page 18 for plotted duty.

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CHANNEL	TX Channel 8	DETECTOR	Dook (DK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Peak (PK)

	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	*2444.00	97.8 PK	114.0	-16.2	1.65 H	171	100.81	-3.01	
2	*2444.00	58.3 AV	94.0	-35.7	1.65 H	171	61.31	-3.01	
3	4888.00	47.4 PK	74.0	-26.6	1.08 H	126	41.33	6.07	
4	4888.00	7.9 AV	54.0	-46.1	1.08 H	126	1.83	6.07	
5	7332.00	52.1 PK	74.0	-21.9	1.08 H	126	41.03	11.07	
6	7332.00	12.6 AV	54.0	-41.4	1.08 H	126	1.53	11.07	
		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	*2444.00	87.6 PK	114.0	-26.4	1.74 V	161	90.61	-3.01	
2	*2444.00	48.1 AV	94.0	-45.9	1.74 V	161	51.11	-3.01	
3	4888.00	50.0 PK	74.0	-24.0	1.14 V	122	43.93	6.07	
4	4888.00	10.5 AV	54.0	-43.5	1.14 V	122	4.43	6.07	
5	7332.00	54.9 PK	74.0	-19.1	1.14 V	122	43.83	11.07	
6	7332.00	15.4 AV	54.0	-38.6	1.14 V	122	4.33	11.07	

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) 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.
- 6. The average value of fundamental frequency is: Average = Peak value + 20 log(Duty cycle) Where the duty factor is calculated from following formula:

 $20 \log (Duty cycle) = 20 \log (0.114 \text{ ms} / 10.773 \text{ ms}) = -39.5 \text{ dB}$

Please see page 18 for plotted duty.

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CHANNEL	TX Channel 12	DETECTOR	Dook (DK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Peak (PK)

1 111	QUENCT	IANGE 16	11 12 ~ 25G1 12	-					
	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	97.8 PK	114.0	-16.2	1.70 H	171	100.70	-2.90	
2	*2474.00	58.3 AV	94.0	-35.7	1.70 H	171	61.20	-2.90	
3	2483.50	60.6 PK	74.0	-13.4	1.70 H	171	63.47	-2.87	
4	2483.50	21.1 AV	54.0	-32.9	1.70 H	171	23.97	-2.87	
5	4948.00	47.9 PK	74.0	-26.1	1.10 H	112	41.85	6.05	
6	4948.00	8.4 AV	54.0	-45.6	1.10 H	112	2.35	6.05	
7	7422.00	52.5 PK	74.0	-21.5	1.02 H	106	40.87	11.63	
8	7422.00	13.0 AV	54.0	-41.0	1.02 H	106	1.37	11.63	
		ANTENNA	A POLARITY	/ & TEST D	ISTANCE: 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	*2474.00	87.5 PK	114.0	-26.5	1.99 V	56	90.40	-2.90	
2	*2474.00	48.0 AV	94.0	-46.0	1.99 V	56	50.90	-2.90	
3	2483.50	50.4 PK	74.0	-23.6	1.99 V	56	53.27	-2.87	
4	2483.50	10.9 AV	54.0	-43.1	1.99 V	56	13.77	-2.87	
5	4948.00	50.0 PK	74.0	-24.0	1.14 V	40	43.95	6.05	
6	4948.00	10.5 AV	54.0	-43.5	1.14 V	40	4.45	6.05	
7	7422.00	55.0 PK	74.0	-19.0	1.25 V	143	43.37	11.63	
8	7422.00	15.5 AV	54.0	-38.5	1.25 V	143	3.87	11.63	

REMARKS:

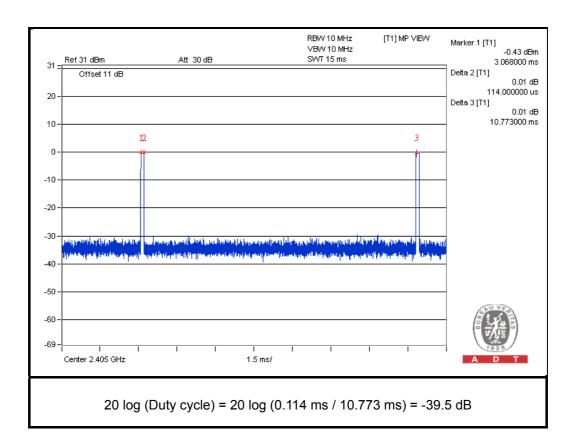
- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Emission Level Limit value
- 5. " * ": Fundamental frequency.
- 6. The average value of fundamental frequency is: Average = Peak value + 20 log(Duty cycle) Where the duty factor is calculated from following formula:

 $20 \log (Duty \text{ cycle}) = 20 \log (0.114 \text{ ms} / 10.773 \text{ ms}) = -39.5 \text{ dB}$

Please see page 18 for plotted duty.

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Below 1GHz Data

CHANNEL	TX Channel 8	DETECTOR	Overi Beek (OB)
FREQUENCY RANGE	Below 1GHz	FUNCTION	Quasi-Peak (QP)

	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	98.83	15.1 QP	43.5	-28.4	1.50 H	95	27.77	-12.68		
2	219.09	13.0 QP	46.0	-33.0	2.00 H	43	23.51	-10.48		
3	386.39	15.5 QP	46.0	-30.5	1.00 H	0	19.89	-4.35		
4	538.72	19.9 QP	46.0	-26.1	1.50 H	20	20.59	-0.71		
5	659.99	17.0 QP	46.0	-29.0	1.00 H	80	15.12	1.87		
6	761.82	24.5 QP	46.0	-21.5	1.50 H	211	20.40	4.12		
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 3 M			

		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	104.01	16.8 QP	43.5	-26.7	2.50 V	205	28.36	-11.56
2	284.37	16.0 QP	46.0	-30.0	2.00 V	311	23.19	-7.15
3	326.54	27.9 QP	46.0	-18.1	1.50 V	260	33.75	-5.81
4	494.06	24.7 QP	46.0	-21.3	1.50 V	164	26.33	-1.65
5	593.04	23.4 QP	46.0	-22.6	1.00 V	64	22.64	0.77
6	757.99	27.3 QP	46.0	-18.7	1.00 V	360	23.16	4.12

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



Appendix – 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

Hsin Chu EMC/RF/Telecom Lab Tel: 886-3-5935343

Tel: 886-2-26052180 Fax: 886-2-26051924

Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232 Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

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

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