

# **FCC CERTIFICATION TEST REPORT**

**REPORT NO.:** FC120620C17

**MODEL NO.:** FXP-860R

FCC ID: WVB-FXP860

**RECEIVED:** Jun. 20, 2012

**TESTED:** Jun. 27 ~ Jul. 13, 2012

**ISSUED:** Jul. 31, 2012

**APPLICANT:** Brightstar Corporation

ADDRESS: 9725 NW 117th Avenue, #300 Miami, FL 33178

**ISSUED BY:** Bureau Veritas Consumer Products Services (H.K.)

Ltd., Taoyuan Branch

LAB ADDRESS: No. 19, Hwa Ya 2nd Rd., Wen Hwa Tsuen, Kwei

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Report No.: FC120620C17 1 of 26 Report Format Version 5.0.0



# **Table of Contents**

RELEAS	SE 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
3.3	DESCRIPTION OF SUPPORT UNITS	.7
3.4	CONFIGURATION OF SYSTEM UNDER TEST	.8
4	TEST TYPES AND RESULTS	.9
4.1	CONDUCTED EMISSION MEASUREMENT	.9
4.1.1	LIMITS OF CONDUCTED EMISSION MEASUREMENT	.9
4.1.2	TEST INSTRUMENTS	.9
4.1.3	TEST PROCEDURES	10
4.1.4	DEVIATION FROM TEST STANDARD	10
4.1.5	TEST SETUP	11
4.1.6	EUT OPERATING CONDITIONS	11
4.1.7	TEST RESULTS	
4.2	RADIATED EMISSION MEASUREMENT	15
4.2.1	LIMITS OF RADIATED EMISSION MEASUREMENT	15
4.2.2	TEST INSTRUMENTS	16
4.2.3	TEST PROCEDURES	17
4.2.4	DEVIATION FROM TEST STANDARD	18
4.2.5	TEST SETUP	
4.2.6	EUT OPERATING CONDITIONS	19
4.2.7	TEST RESULTS	20
5	PHOTOGRAPHS OF THE TEST CONFIGURATION	24
6	INFORMATION ON THE TESTING LABORATORIES	25
7	APPENDIX A – MODIFICATION RECORDERS FOR ENGINEERING CHANGES	
	TO THE EUT BY THE LAB	26



# **RELEASE CONTROL RECORD**

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FC120620C17	Original release.	Jul. 31, 2012

Report No.: FC120620C17 3 of 26 Report Format Version 5.0.0



#### 1 CERTIFICATION

**PRODUCT:** Fixed Wireless Phone

**BRAND**: Motorola MODEL NO.: FXP-860R

**APPLICANT:** Brightstar Corporation **TESTED:** Jun. 27 ~ Jul. 13, 2012

**TEST SAMPLE:** ENGINEERING SAMPLE

STANDARD: FCC Part 15, Subpart B, Class B

ANSI C63.4:2009

The above equipment (Model: FXP-860R) 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: Jul. 31, 2012

Ivonne Wu / Senior Specialist



## 2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications.

EMISSION					
Standard	Test Type	Result	Remarks		
FCC Part 15, Subpart B,	Conducted emission test	PASS	Meet the requirement of limit Minimum passing margin is -4.22dB at 0.45859MHz		
Class B	Radiated emission test (30MHz~18GHz)	PASS	Meet the requirement of limit Minimum passing margin is -6.24dB at 37.78MHz		

#### 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
Conducted emission	150kHz ~ 30MHz	2.44 dB
Dadiated emission	30MHz ~ 1GHz	4.12 dB
Radiated emission	Above 1GHz	2.26 dB

The listed uncertainties are the worst case uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results.



# **3 GENERAL INFORMATION**

### 3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Fixed Wireless Phone
MODEL NO.	FXP-860R
POWER SUPPLY	5.0Vdc (adapter) 3.6Vdc (battery)
I/O PORT	Refer to users' manual
DATA CABLE	NA
ACCESSORY DEVICE	Refer to Note as below

#### NOTE:

1. The EUT contains following accessory devices.

ITEM	BRAND	MODEL	SPECIFICATION
Adapter	SkyWill	SP050-0600	Input: 100-240Vac, 50/60Hz, 200mA Output: 5Vdc, 600mA Power line: 1.5m non-shielded cable without core
Battery	GREPOW	3xNR44AAA600P	Rating: 3.6Vdc, 600mAh Type: Ni-MH
LCD Panel	ShenZhen WELLSTART Industrial Co., Ltd.	LCD200A2	

2. The above EUT information is declared by manufacturer and for more detailed feature description, please refer to the manufacturer's specifications or user's manual.



#### 3.2 DESCRIPTION OF TEST MODES

The EUT was tested with following modes.

	That total marronoming measure	
Test	Test Condition	
Mode		
1	GSM850 Idle + Adapter	
2	PCS1900 Idle + Adapter	

#### NOTE:

- 1. For conducted emission test, test mode 1 was the worst case and only this mode was presented in this report.
- 2. For radiated emission test, test mode 2 was the worst case and only this mode was presented in this report.

#### 3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	CMU 200 upgrade with WCDMA function	R&S	CMU 200	101095	NA
2	LOG PERIODIC ANTENNA	Schwarzbeck	UHALP 9108A	UHALP 9108-A 0591	NA

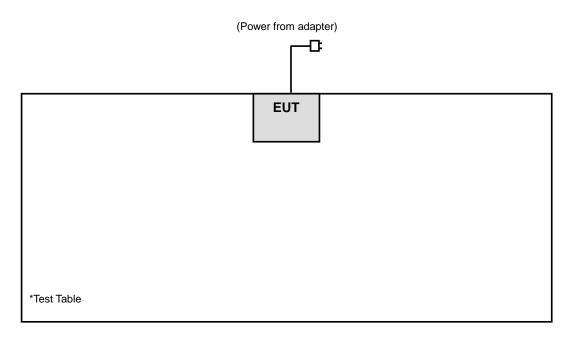
NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	NA

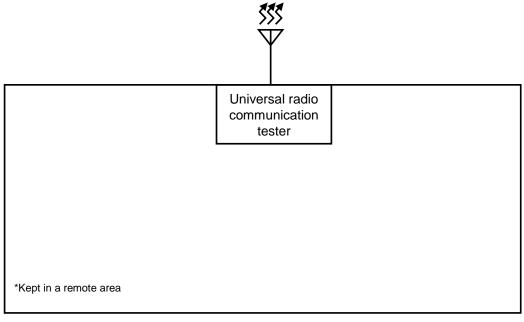
#### NOTE:

- 1. All power cords of the above support units are non shielded (1.8m).
- 2. Item 1 acted as communication partners.



# 3.4 CONFIGURATION OF SYSTEM UNDER TEST







#### 4 TEST TYPES AND RESULTS

#### 4.1 CONDUCTED EMISSION MEASUREMENT

## 4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

**TEST STANDARD:** 

FCC Part 15, Subpart B (section: 15.107)

Fraguency (MH=)	Class A (dBuV)		Class B (dBuV)	
Frequency (MHz)	Quasi-peak	Average	Quasi-peak	Average
0.15-0.5	79	66	66-56	56-46
0.5-5	73	60	56	46
5-30	73	60	60	50

**NOTE:** 1. The lower limit shall apply at the transition frequencies.

- 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
- 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

#### 4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100291	Nov. 23, 2011	Nov. 22, 2012
RF signal cable Woken	5D-FB	Cable-HYC01-01	Dec. 29, 2011	Dec. 28, 2012
V-LISN SCHWARZBECK (Peripheral)	NNBL 8226-2	8226-142	Jun. 22, 2012	Jun. 21, 2013
LISN ROHDE & SCHWARZ (EUT)	ESH3-Z5	835239/001	Feb. 07, 2012	Feb. 06, 2013
Software ADT	BV ADT_Cond_ V7.3.7.3	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 HwaYa Shielded Room 1.
- 3. The VCCI Site Registration No. is C-2040.



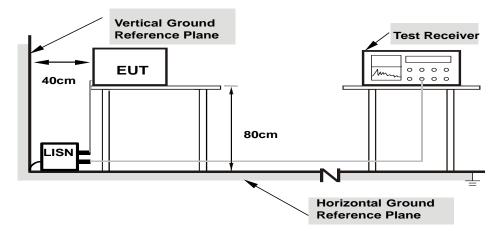
#### 4.1.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

<ul> <li>c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under Limit - 20dB was not recorded.</li> </ul>
4.1.4 DEVIATION FROM TEST STANDARD
No deviation.



#### 4.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

#### 4.1.6 EUT OPERATING CONDITIONS

- a. Placed the EUT on a testing table.
- b. The EUT communicated data with the CMU 200 upgrade function, which acted as communication partners.
- c. The communication partner connected with EUT via GSM function and run a test program (provided by manufacturer) to enable EUT under receiving condition continuously at specific channel frequency.
- d. The necessary accessories enable the system in full functions.

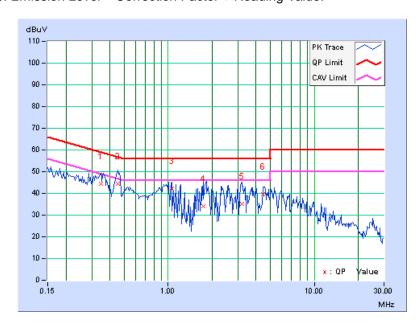


#### 4.1.7 TEST RESULTS

INPUT POWER	120 Vac, 60 Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	22 deg. C, 55% RH	PHASE	Line 1
TESTED BY	Skys Huang		

	Freq.	Corr.	Reading Value		<b>Emission Level</b>		Limit		Margin		
No		Factor	[dB	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	
1	0.34531	0.18	44.23	25.44	44.41	25.62	59.07	49.07	-14.67	-23.46	
2	0.45469	0.16	44.12	36.78	44.28	36.94	56.79	46.79	-12.50	-9.84	
3	1.05469	0.21	42.00	30.89	42.21	31.10	56.00	46.00	-13.79	-14.90	
4	1.73438	0.23	33.78	20.40	34.01	20.63	56.00	46.00	-21.99	-25.37	
5	3.18750	0.30	34.82	29.49	35.12	29.79	56.00	46.00	-20.88	-16.21	
6	4.48438	0.36	39.37	28.51	39.73	28.87	56.00	46.00	-16.27	-17.13	

- 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2. The emission levels of other frequencies were very low against the limit.
- 3. Margin value = Emission level Limit value
- 4. Correction factor = Insertion loss + Cable loss
- 5. Emission Level = Correction Factor + Reading Value.



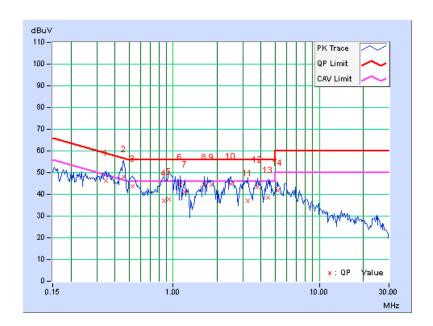


INPUT POWER	120 Vac, 60 Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	22 deg. C, 55% RH	PHASE	Line 2
TESTED BY	Skys Huang		

	Freq.	Corr.	Readin	g Value	Emissic	n Level	Lir	nit	Margin	
No		Factor	[dB	(uV)]	[dB (	(uV)]	[dB	(uV)]	(d	B)
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.34531	0.15	46.08	38.58	46.23	38.73	59.07	49.07	-12.85	-10.35
2	0.45859	0.16	47.81	42.34	47.97	42.50	56.72	46.72	-8.75	-4.22
3	0.52500	0.16	43.59	36.29	43.75	36.45	56.00	46.00	-12.25	-9.55
4	0.86484	0.20	36.69	26.69	36.89	26.89	56.00	46.00	-19.11	-19.11
5	0.93516	0.20	37.42	27.25	37.62	27.45	56.00	46.00	-18.38	-18.55
6	1.11328	0.21	44.37	36.91	44.58	37.12	56.00	46.00	-11.42	-8.88
7	1.19922	0.21	40.98	35.01	41.19	35.22	56.00	46.00	-14.81	-10.78
8	1.63672	0.22	44.08	23.07	44.30	23.29	56.00	46.00	-11.70	-22.71
9	1.83594	0.23	44.12	36.17	44.35	36.40	56.00	46.00	-11.65	-9.60
10	2.47266	0.26	44.66	25.81	44.92	26.07	56.00	46.00	-11.08	-19.93
11	3.23828	0.30	36.84	35.80	37.14	36.10	56.00	46.00	-18.86	-9.90
12	3.79297	0.34	42.83	23.83	43.17	24.17	56.00	46.00	-12.83	-21.83
13	4.47266	0.37	38.11	27.03	38.48	27.40	56.00	46.00	-17.52	-18.60
14	5.22656	0.40	41.50	33.71	41.90	34.11	60.00	50.00	-18.10	-15.89

- 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2. The emission levels of other frequencies were very low against the limit.
- 3. Margin value = Emission level Limit value
- 4. Correction factor = Insertion loss + Cable loss
- 5. Emission Level = Correction Factor + Reading Value.







#### 4.2 RADIATED EMISSION MEASUREMENT

#### 4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (section: 15.109)

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.109 as following:

Frequencies (MHz)	Field Strength (Microvolts/Meter)	Measurement Distance (Meters)
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. 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.

	Class A	(at 3m)	Class B (at 3m)		
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Peak (dBuV/m)	Average (dBuV/m)	
	(abaviii)	(abaviii)	(abaviii)	(abav/iii)	
Above 1000	80	60	74	54	

**NOTE:** 1. The lower limit shall apply at the transition frequencies.

- 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

# FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5th harmonic of the highest frequency or 40GHz, whichever is lower



#### 4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESIB7	100188	May 11, 2012	May 10, 2013
Spectrum Analyzer ROHDE & SCHWARZ	FSP 40	100041	Jul. 21, 2011	Jul. 20, 2012
BILOG Antenna SCHWARZBECK	VULB9168	9168-157	Apr. 02, 2012	Apr. 01, 2013
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-405	Feb. 03, 2012	Feb. 02, 2013
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Jan. 03, 2012	Jan. 02, 2013
Preamplifier Agilent (Below 1GHz)	8447D	2944A10629	Oct. 29, 2011	Oct. 28, 2012
Preamplifier Agilent (Above 1GHz)	8449B	3008A01959	Oct. 29, 2011	Oct. 28, 2012
RF signal cable HUBER+SUHNER	SUCOFLEX 104	23636/6	Aug. 19, 2011	Aug. 18, 2012
RF signal cable HUBER+SUHNER	SUCOFLEX 104	283402/4	Aug. 19, 2011	Aug. 18, 2012
Software ADT.	BV ADT_Radiated_ V7.6.15.9.3	NA	NA	NA
Antenna Tower ADT.	AT100	AT93021702	NA	NA
Turn Table ADT.	TT100	TT93021702	NA	NA
Controller ADT.	SC100	SC93021702	NA	NA
Fix tool for Boresight antenna tower	BAF-01	2	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 2.
- 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 686814.
- 5. The IC Site Registration No. is IC 7450F-2.
- 6. The VCCI Site Registration No. is G-18.



#### 4.2.3 TEST PROCEDURES

#### Frequency range 30MHz~1GHz

- 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 room. 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 1 meter to 4 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 1GHz.

**NOTE:** The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-Peak (QP) detection at frequency below 1GHz.



#### Frequency range above 1GHz

- 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 room. 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 can be varied from 1 meter to 4 meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 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 1GHz.

#### NOTE:

- 1. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak (PK) detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz for Average (AV) detection at frequency above 1GHz.
- 2. For measurement of frequency above 1000MHz, the EUT was set 3 meters away from the receiver antenna.

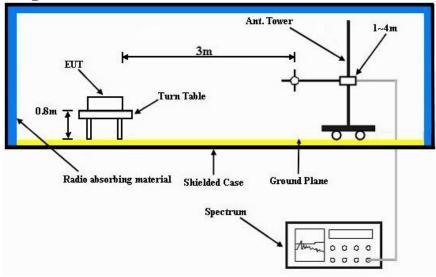
#### 4.2.4 DEVIATION FROM TEST STANDARD

No deviation.		

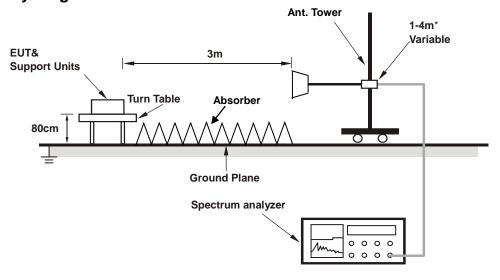


#### 4.2.5 TEST SETUP

# Frequency range 30MHz~1GHz



# Frequency range above 1GHz



\*: depends on the EUT height and the antenna 3dB beamwidth both, refer to section 8.3.1.2 of ANSI C63.4:2009.

For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

## 4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6

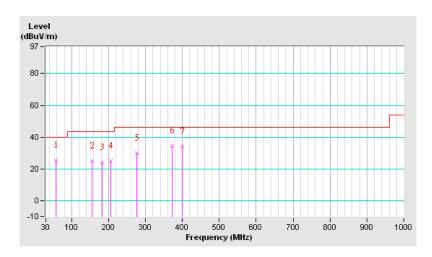


### 4.2.7 TEST RESULTS

INPUT POWER	120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 59% RH	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak , 120 kHz
TESTED BY	Scott Yang		

	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	25.29 QP	40.00	-14.71	3.00 H	37	10.85	14.44
2	154.41	25.04 QP	43.50	-18.46	2.50 H	126	10.00	15.04
3	181.62	23.79 QP	43.50	-19.71	3.00 H	290	10.58	13.21
4	206.89	24.78 QP	43.50	-18.72	1.49 H	137	12.80	11.98
5	276.87	29.79 QP	46.00	-16.21	1.00 H	200	14.99	14.80
6	372.12	34.21 QP	46.00	-11.79	1.00 H	47	16.49	17.72
7	399.34	33.93 QP	46.00	-12.07	1.00 H	110	15.47	18.46

- 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.

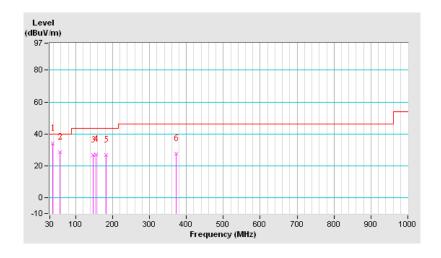




INPUT POWER	120 Vac, 60 Hz	FREQUENCY RANGE	30-1000 MHz
ENVIRONMENTAL CONDITIONS	26 deg. C, 59% RH	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak , 120 kHz
TESTED BY	Scott Yang		

	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	37.78	33.76 QP	40.00	-6.24	1.00 V	208	19.41	14.35	
2	57.21	28.60 QP	40.00	-11.40	1.00 V	271	14.16	14.44	
3	146.63	26.75 QP	43.50	-16.75	1.00 V	168	12.10	14.65	
4	154.41	27.32 QP	43.50	-16.18	1.00 V	123	12.28	15.04	
5	181.62	26.50 QP	43.50	-17.00	1.00 V	212	13.29	13.21	
6	372.12	27.45 QP	46.00	-18.55	1.00 V	186	9.73	17.72	

- 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.

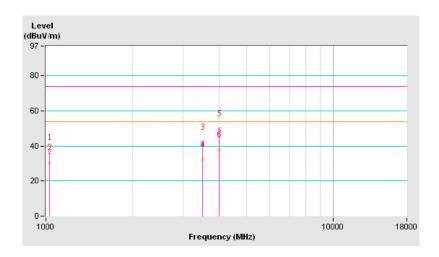




INPUT POWER	120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz	
ENVIRONMENTAL CONDITIONS	23 deg. C, 65% RH	DETECTOR FUNCTION & BANDWIDTH	Peak/Average, 1 MHz	
TESTED BY	Daniel Lin			

	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	1030.22	36.35 PK	74.00	-37.65	1.12 H	200	8.45	27.90	
2	1030.22	30.35 AV	54.00	-23.65	1.12 H	200	2.45	27.90	
3	3508.20	41.89 PK	74.00	-32.11	1.52 H	100	6.90	34.99	
4	3508.20	32.09 AV	54.00	-21.91	1.52 H	100	-2.90	34.99	
5	4001.20	49.65 PK	74.00	-24.35	1.12 H	128	13.21	36.44	
6	4001.20	37.65 AV	54.00	-16.35	1.12 H	128	1.21	36.44	

- 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.

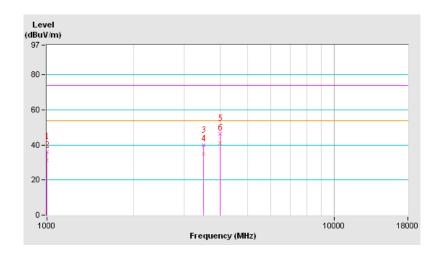




INPUT POWER	120 Vac, 60 Hz	FREQUENCY RANGE	1-18 GHz	
ENVIRONMENTAL CONDITIONS	23 deg. C, 65% RH	DETECTOR FUNCTION & BANDWIDTH	Peak/Average, 1 MHz	
TESTED BY	Daniel Lin			

	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	1000.00	36.31 PK	74.00	-37.69	1.00 V	58	8.51	27.80
2	1000.00	31.05 AV	54.00	-22.95	1.00 V	58	3.25	27.80
3	3502.22	40.06 PK	74.00	-33.94	1.15 V	260	5.09	34.97
4	3502.22	35.06 AV	54.00	-18.94	1.15 V	260	0.09	34.97
5	3999.90	46.64 PK	74.00	-27.36	1.00 V	125	10.20	36.44
6	3999.90	41.24 AV	54.00	-12.76	1.00 V	125	4.80	36.44

- 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.





# 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.

**Hsin Chu EMC/RF Lab** 

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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 ---