



Test Report No.: FC111114N040  
FCC ID:FPW-JME7596C



## TEST REPORT

To:	Jing Mold Electronics Technology (Shenzhen) Co.,Ltd.
Address:	Xinqiao 3rd Industrial Estate, Shajing, Baoan, ShenZhen, China

Manufacturer or Supplier	Jing Mold Electronics Technology (Shenzhen) Co.,Ltd.	
Address	Xinqiao 3rd Industrial Estate, Shajing, Baoan, ShenZhen, China	
Product:	2.4G Wireless Keyboard	
Brand Name:		
Model:	JME-7596C	
Additional Model & Model Difference:	N/A	
Tested Sample:	N111114-008-001-002	
Date of tests:	Nov. 29, 2011~ Dec. 26, 2011	

The submitted sample of the above equipment has been tested for according with ANSI C63.4-2009 and the tests have been carried out according to the requirements of the following standards:

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

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Prepared by Breeze Jiang Project Engineer / EMC Department	Approved by Sam Tung Manager / EMC Department

Date: Dec.27, 2011

This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification



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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
Original release	N/A	Dec. 26, 2011



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## 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247)			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
§15.203	Antenna Requirement	PASS	Compliant
§15.207 (a)	Conducted Emission	N/A	Not Applicable
§15.205	Restricted Band of Operation	PASS	Compliant
§15.209 §15.249(a)	Radiated Emission	PASS	Compliant
§15.215(c)	20dB Bandwidth Test	PASS	Compliant
§15.249(d)	Out of Band Emission	PASS	Compliant

## 2 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
Conducted emissions	0.15MHz ~ 30MHz	+/- 2.56dB
Radiated emissions	30MHz~ 1GHz	+/- 3.58dB
Radiated emissions	1GHz ~ 26.5GHz	+/- 3.58dB

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

<b>PRODUCT</b>	2.4G Wireless Keyboard
<b>MODEL NO.</b>	JME-7596C
<b>FCC ID</b>	FPW-JME7596C
<b>NOMINAL VOLTAGE</b>	DC3V From Battey
<b>MODULATION TYPE</b>	GFSK
<b>OPERATING FREQUENCY</b>	<b>2.4GHz:</b> 2402.0 ~ 2479.0MHz
<b>ANTENNA TYPE</b>	PCB antenna with 1.16dBi antenna gain
<b>ANTENNA CONNECTER</b>	N/A
<b>DATA CABLE</b>	N/A
<b>I/O PORTS</b>	N/A
<b>ACCESSORY DEVICES</b>	N/A

**NOTE:**

1. The EUT has transmitter and receiver functions.
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.

#### 3.2 DESCRIPTION OF TEST MODES

CHANNEL	FREQUENCY
Low	2402MHz
Middle	2440MHz
High	2479MHz



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### **3.3 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 C63.4-2009**

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.

### **3.4 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	N/A	N/A	N/A	N/A	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A



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## 4. TEST TYPES AND RESULTS

### 4.1 RADIATED EMISSION MEASUREMENT

#### 4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

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

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field strength of fundamental (milli-volts/meter)	Field strength of harmonics (micro-volts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply.

**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.



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#### 4.1.2 TEST INSTRUMENTS

##### Below 1GHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Spectrum Analyzer	Agilent	E7405A	MY45118807	May 25,11	May 25,12
Spectrum Analyzer	Agilent	E4446A	MY46180622	Apr. 25,11	Apr. 25,12
EMI Test Receiver	Rohde&Schwarz	ESU	100005	May 25,11	May 25,12
Bilog Antenna	Teseq	CBL 6111D	27089	Jul.24,11	Jul.24,12
10m Semi-anechoic Chamber	ETS-LINDGREN	21.4m*12.1m*8.8m	NSEMC006	May 2,11	May 2,12
RF Cable	IMRO	IMRO-400	10m Cable 1#10m	May 2,11	May 2,12
RF Cable	IMRO	IMRO-400	10m Cable 2#3m	May 2,11	May 2,12
Signal Amplifier	EMCI	EMC330	980095	Nov 7,11	Nov 7,12

##### Above 1GHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	EMCO	3117	00062558	Oct.19,11	Oct.19,12
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170242	Jan 1,11	Jan 1,12
EMI Test Receiver	Rohde&Schwarz	ESU	100005	May 25,11	May 25,12
Spectrum Analyzer	Agilent	E4446A	MY46180622	Apr. 25,11	Apr. 25,12
Signal Amplifier	BURGEON	PEC-38-30M18G-12-SFF	NSEMC001	Oct.16,11	Oct.16,12
RF Cable	DRAKA	M06/25-RG102	10m Cable	May 2,11	May 2,12

**NOTE:**

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA and NIM/CHINA.
2. The test was performed in Dongguan Chamber 10m.
3. The horn antenna are used only for the measurement of emission frequency above 1GHz if tested.



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#### 4.1.3 TEST PROCEDURES

The EUT was placed on a turn table which was 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna which was mounted on a antenna tower. At the frequency band of 30MHz to 1GHz, The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 to 4 m for horizontal and vertical polarizations. The broadband antenna (calibrated by dipole antenna) was used as a receiving antenna. At the frequency band of 1GHz to 10GHz, The measuring antenna moved from 1 to 4 m for horizontal and vertical polarization. The horn antenna was used as a receiving antenna.

The resolution bandwidth and video bandwidth of the test receiver was 120 kHz and

300kHz for Quasi-peak detection at frequency below 1GHz.

The resolution bandwidth and video bandwidth of the test receiver was 1MHz and 1MHz for Peak detection at frequency above 1GHz.

In 18GHz to 25GHz, The EUT was checked by Horn ANT . But the test result is background.

The EUT was tested in Chamber Site.

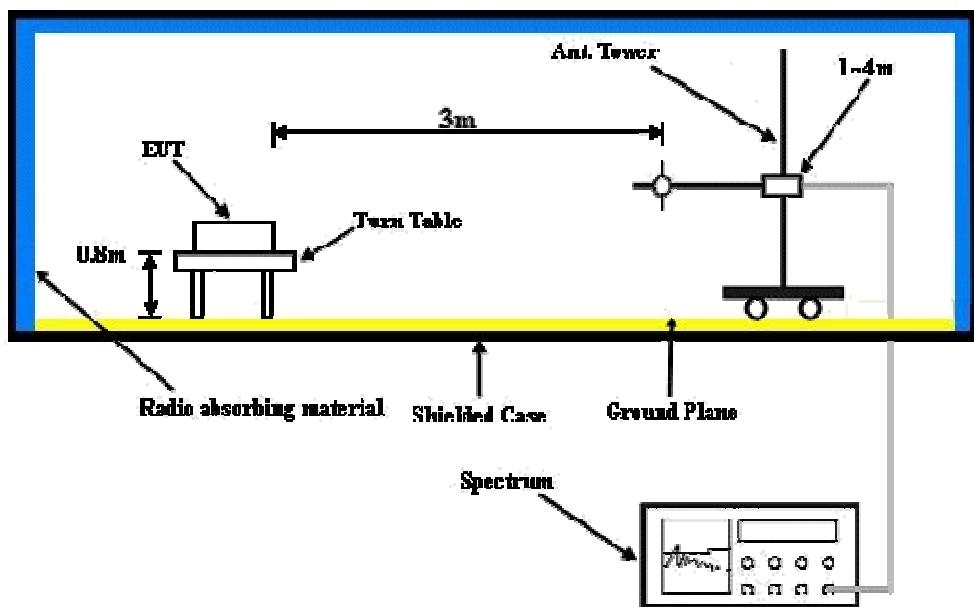
#### 4.1.4 DEVIATION FROM TEST STANDARD

No deviation

#### 4.1.5 TEST SETUP



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

#### 4.1.6 EUT OPERATING CONDITIONS

- Placed the EUT on the testing table.
- Enable EUT under transmission condition continuously at specific channel frequency.



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#### 4.1.7 TEST RESULTS

EUT TEST CONDITION		MEASUREMENT DETAIL		
<b>CHANNEL</b>		<b>FREQUENCY RANGE</b>		1 ~ 25GHz
<b>INPUT POWER (SYSTEM)</b>		<b>DETECTOR FUNCTION</b>		Peak (PK)
<b>ENVIRONMENTAL CONDITIONS</b>		<b>TESTED BY</b>		Breeze Jiang

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	53.68 PK	74.0	-20.32	125	154	18.18	35.50
2	2390.00	33.16 AV	54.0	-20.84	125	154	-2.34	35.50
3	2400.00	67.24 PK	74.0	-6.76	157	251	31.66	35.58
4	2400.00	46.72 AV	54.0	-7.28	157	251	11.14	35.58
5	* 2401.92	104.24 PK	114.0	-9.76	100	238	69.87	34.37
6	* 2401.92	83.72 AV	94.0	-10.28	100	238	49.35	34.37
7	4803.97	63.66 PK	74.0	-10.34	100	241	21.40	42.26
8	4803.97	43.14 AV	54.0	-10.86	100	241	0.88	42.26
9	7205.17	58.98 PK	74.0	-15.02	134	189	13.88	45.10
10	7205.17	38.46 AV	54.0	-15.54	134	189	-6.64	45.10
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	52.14 PK	74.0	-21.86	105	23	16.64	35.50
2	2390.00	31.62 AV	54.0	-22.38	105	23	-3.88	35.50
3	2400.00	65.06 PK	74.0	-8.94	136	215	29.48	35.58
4	2400.00	44.54 AV	54.0	-9.46	136	215	8.96	35.58
5	* 2401.92	101.22 PK	114.0	-13.30	100	25	65.62	35.60
6	* 2401.92	80.70 AV	94.0	-13.30	100	25	45.1	35.60
7	4803.97	61.98 PK	74.0	-12.02	110	65	13.84	48.14
8	4803.97	41.46AV	54.0	-12.54	110	65	-6.68	48.14
9	7205.17	56.41 PK	74.0	-17.59	171	324	7.58	48.83
10	7205.17	35.89 AV	54.0	-18.11	171	324	-12.94	48.83

**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 DH5 packet was the worse case duty cycle for a transmit dwell time on a channel, Therefore, the duty cycle correlation factor be equal to:  $20\log(0.705 / 7.671) = -20.52$  dB.
7. Average value = peak reading +  $20\log(\text{duty cycle})$ .



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<b>EUT TEST CONDITION</b>		<b>MEASUREMENT DETAIL</b>		
<b>CHANNEL</b>		<b>FREQUENCY RANGE</b>		1 ~ 25GHz
<b>INPUT POWER (SYSTEM)</b>		<b>DETECTOR FUNCTION</b>		Peak (PK)
<b>ENVIRONMENTAL CONDITIONS</b>		<b>TESTED BY</b>		Breeze Jiang

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	* 2440.30	103.95 PK	114.0	-10.05	175	251	69.41	34.54
2	* 2440.30	83.43 AV	94.0	-10.57	175	251	48.89	34.54
3	4880.25	58.34 PK	74.0	-15.66	128	325	16.14	42.20
4	4880.25	37.82 AV	54.0	-16.18	128	325	-4.38	42.20
5	7320.00	55.90 PK	74.0	-18.10	215	151	10.86	45.04
6	7320.00	35.38 AV	54.0	-18.62	215	151	-9.66	45.04

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	* 2440.19	105.65 PK	114.0	-8.35	158	234	71.11	34.54
2	* 2440.19	85.13 AV	94.0	-8.87	158	234	50.59	34.54
3	4879.90	63.84 PK	74.0	-10.16	208	287	21.64	42.20
4	4879.90	43.32 AV	54.0	-10.68	208	287	1.12	42.20
5	7319.30	54.89 PK	74.0	-16.15	184	324	9.85	45.04
6	7319.30	34.37 AV	54.0	-19.63	184	324	-10.67	45.04

**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 DH5 packet was the worse case duty cycle for a transmit dwell time on a channel, Therefore, the duty cycle correlation factor be equal to:  $20\log(0.705 / 7.490) = -20.52$  dB.
7. Average value = peak reading +  $20\log(\text{duty cycle})$ .



**Test Report No.: FC11114N040**

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<b>EUT TEST CONDITION</b>		<b>MEASUREMENT DETAIL</b>		
<b>CHANNEL</b>		<b>FREQUENCY RANGE</b>		1 ~ 25GHz
<b>INPUT POWER (SYSTEM)</b>		<b>DETECTOR FUNCTION</b>		Peak (PK)
<b>ENVIRONMENTAL CONDITIONS</b>		<b>TESTED BY</b>		Breeze Jiang

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	* 2479.01	102.94 PK	114.0	-11.06	210	64	68.23	34.71
2	* 2479.01	82.42 AV	94.0	-11.58	210	64	47.71	34.71
3	2483.50	56.00 PK	74.0	-18.00	200	34	19.74	36.26
4	2483.50	35.48 AV	54.0	-18.52	200	34	-0.78	36.26
5	4958.03	68.66 PK	74.0	-5.34	220	79	26.54	42.12
6	4958.03	48.14 AV	54.0	-5.86	220	79	6.02	42.12
7	7436.66	60.61 PK	74.0	-13.39	220	79	15.66	44.95
8	7436.66	40.09 AV	54.0	-13.91	220	79	-4.86	44.95

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	* 2479.25	103.98 PK	114.0	-10.02	168	124	67.74	36.24
2	* 2479.25	83.46 AV	94.0	-10.54	168	124	47.22	36.24
3	2483.50	56.82 PK	74.0	-17.18	207	204	20.56	36.26
4	2483.50	36.22 AV	54.0	-17.78	207	204	-0.04	36.26
5	4958.12	65.61 PK	74.0	-8.39	256	314	17.68	47.93
6	4958.12	45.09 AV	54.0	-8.91	256	314	-2.84	47.93
7	7436.46	62.93 PK	74.0	-11.07	230	78	13.94	48.99
8	7436.46	42.41 AV	54.0	-11.59	230	78	-6.58	48.99

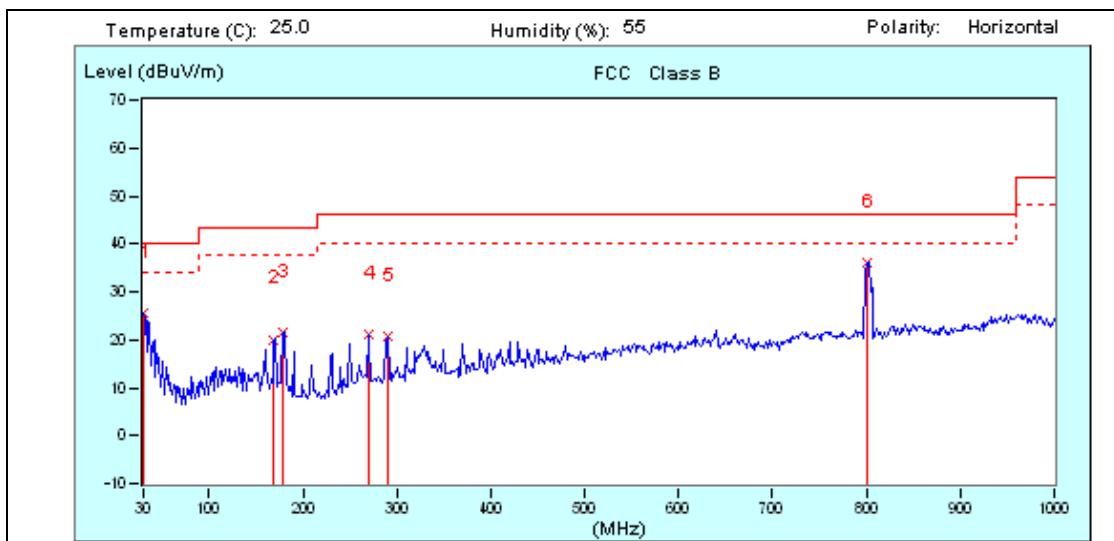
**REMARKS:**

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 DH5 packet was the worse case duty cycle for a transmit dwell time on a channel, Therefore, the duty cycle correlation factor be equal to:  $20\log(0.705 / 7.590) = -20.52\text{dB}$ .
7. Average value = peak reading +  $20\log(\text{duty cycle})$ .



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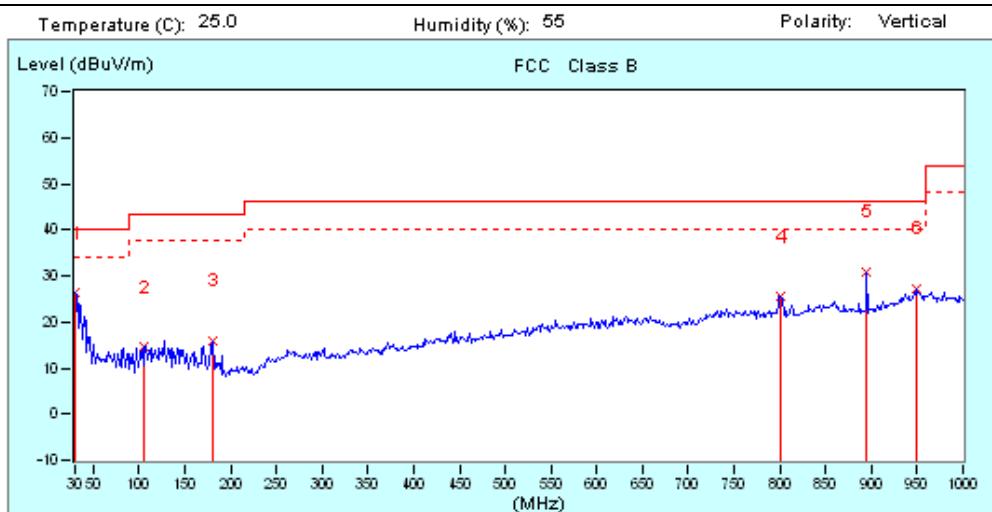
## **BELOW 1GHz WORST-CASE DATA:**



This data is for evaluation purposes only. It cannot be used for BMC approvals unless it contains the approved signature.  
If you have any questions regarding the test data, you can write your comments to [DGSERVICE@CN.BUREAUVERTAS.COM](mailto:DGSERVICE@CN.BUREAUVERTAS.COM)



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**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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## 4.2 CONDUCTED EMISSION MEASUREMENT

### 4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB $\mu$ V)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	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 0.50MHz.  
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.

### 4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100199	May 25,11	May 25,12
Artificial Mains Network ROHDE & SCHWARZ	ENV216	101173	May 25,11	May 25,12
RF Cable FUJIKURA	3D-2W	553 Cable	May 2,11	May 2,12
ISN TESEQ	ISN T800	27957	Oct 16,11	Oct 16,12

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA and NIM/CHINA  
2. The test was performed in 553 Shielded Room.



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#### 4.2.3 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.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

**NOTE:** All modes of operation were investigated and the worst-case emissions are reported.

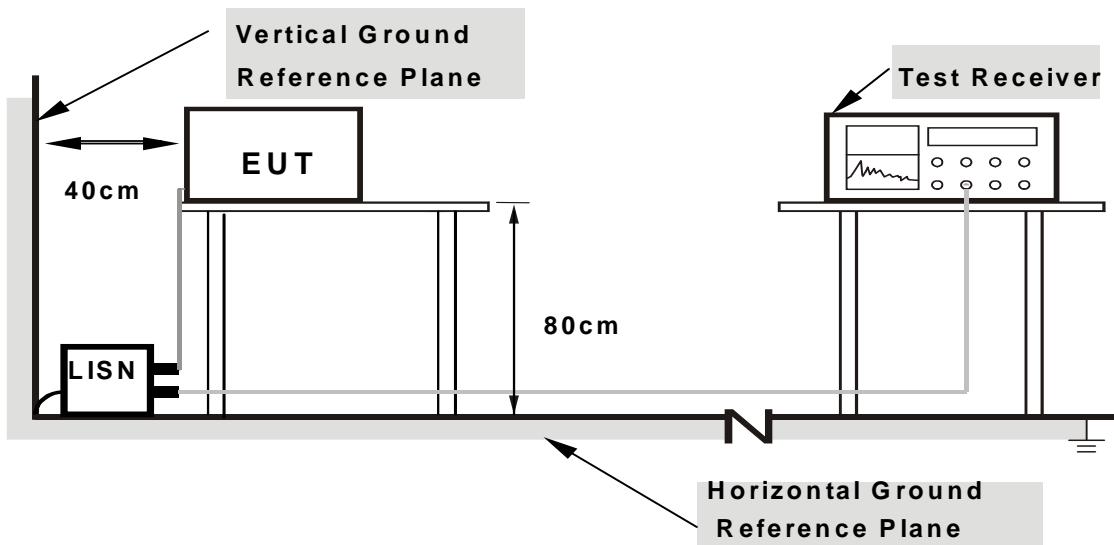
#### 4.2.4 DEVIATION FROM TEST STANDARD

No deviation.



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#### 4.2.5 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 attached file (Test Setup Photo).

#### 4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

**TEST RESULTS:** Not Applicable



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### 4.3 20DB BANDWIDTH MEASUREMENT

#### 4.3.1 LIMITS OF 20dB BANDWIDTH MEASUREMENT

According to FCC 15.215(c), must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

#### 4.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	EMCO	3117	00062558	Oct.19,11	Oct.19,12
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170242	Jan 1,11	Jan 1,12
EMI Test Receiver	Rohde&Schwarz	ESU	100005	May 25,11	May 25,12
Spectrum Analyzer	Agilent	E4446A	MY46180622	Apr. 25,11	Apr. 25,12
Signal Amplifier	BURGEON	PEC-38-30M18G -12-SFF	NSEMC001	Oct.16,11	Oct.16,12
RF Cable	DRAKA	M06/25-RG102	10m Cable	May 2,11	May 2,12

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA and NIM/CHINA.  
2. The test was performed in Dongguan Chamber 10m.  
3. The horn antenna are used only for the measurement of emission frequency above 1GHz if tested.

#### 4.3.3 TEST PROCEDURES

The EUT was placed on a turn table which was 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna which was mounted on a antenna tower. The measuring antenna moved up and down to find out the maximum emission level. The horn antenna was use das a receiving antenna.

The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

The EUT was tested in Chamber Site.

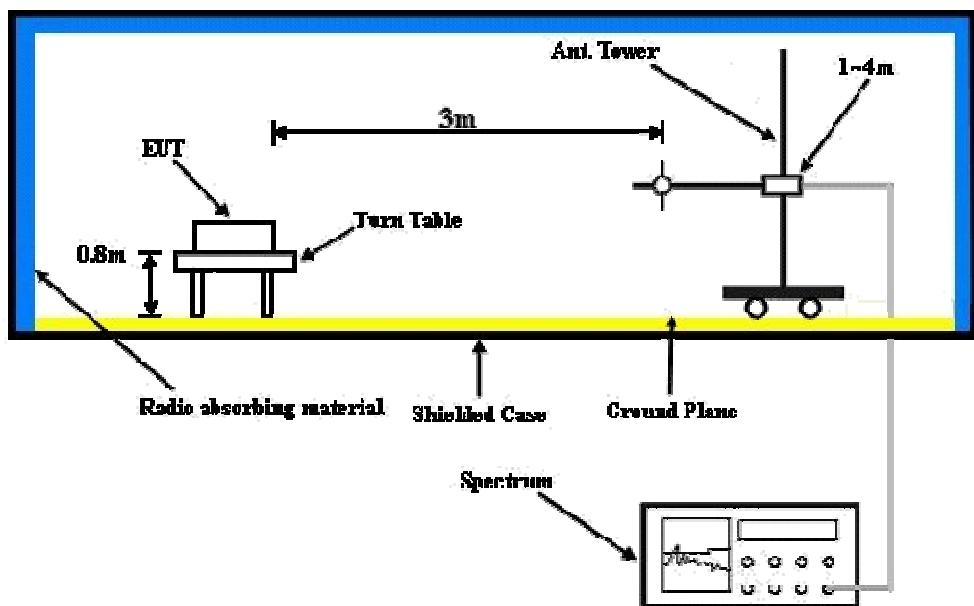


**Test Report No.: FC111114N040**  
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#### 4.3.4 DEVIATION FROM TEST STANDARD

## No deviation

### 4.3.5 TEST SETUP



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

#### 4.3.6 EUT OPERATING CONDITIONS

- a. Placed the EUT on the testing table.
- b. Enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

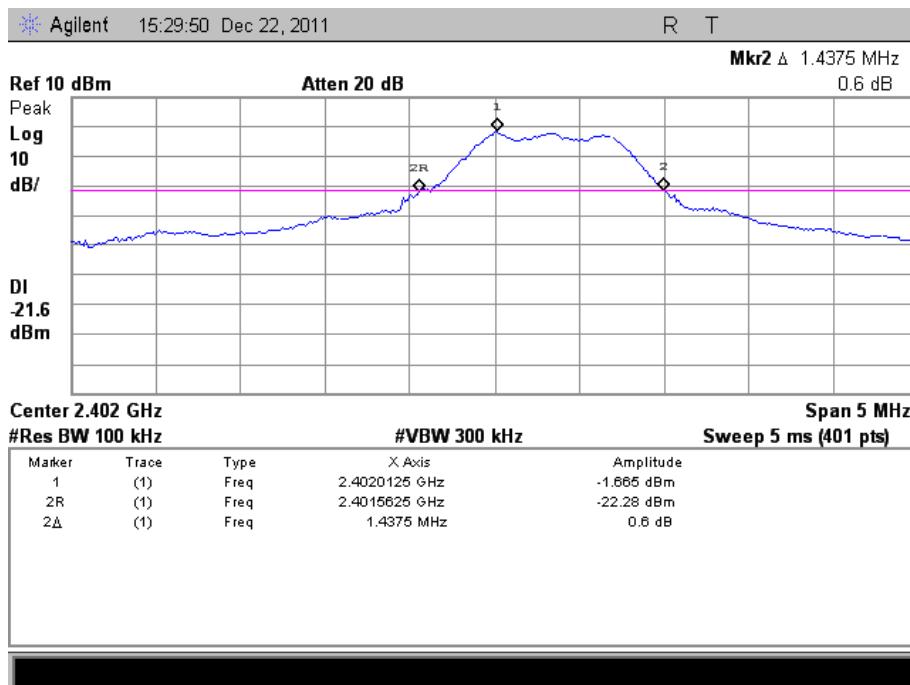


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#### 4.3.7 TEST RESULTS

CHANNEL	CHANNEL FREQUENCY (MHz)	20dB BANDWIDTH (MHz)
Low	2402	1.4375
Middle	2440	1.7375
Hight	2479	1.5625

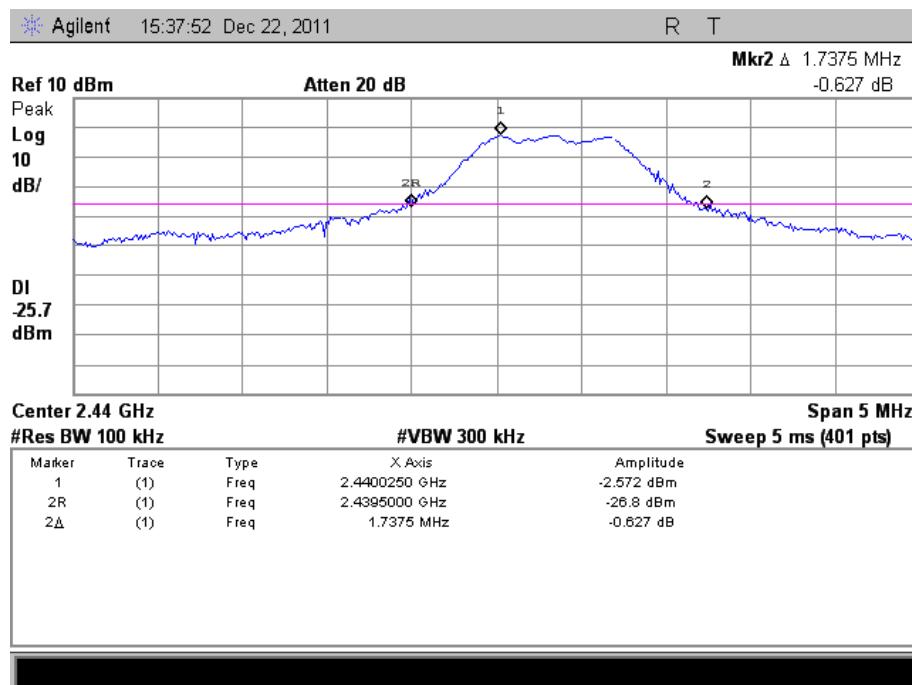
#### Test Data: Low channel



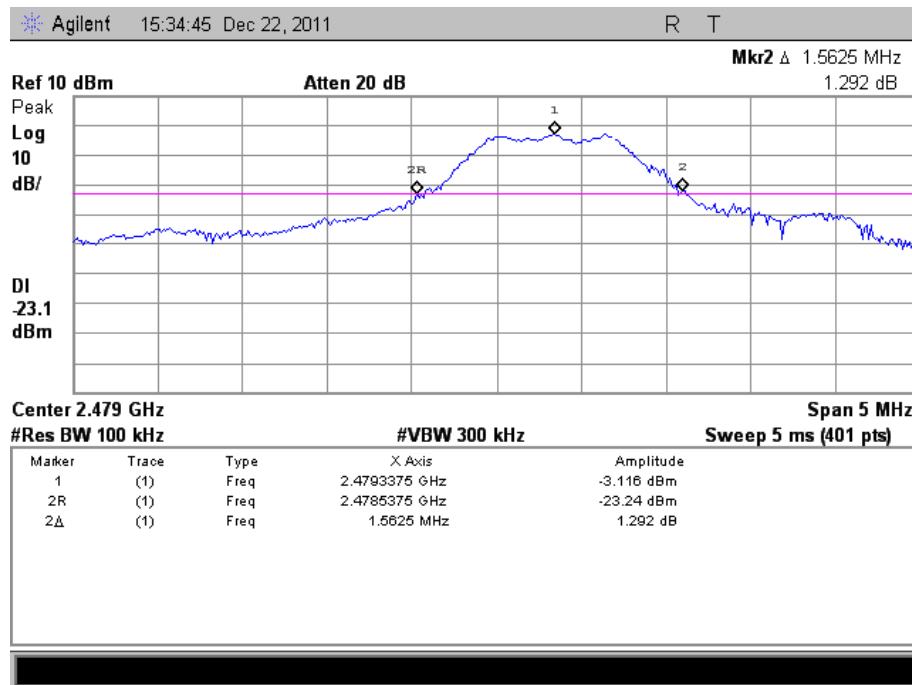


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**Test Data: Middle channel**



**Test Data: High channel**





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## **5 PHOTOGRAPHS OF THE TEST CONFIGURATION**

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



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## **6 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB**

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

**---END---**