




BUREAU  
VERITAS

Test Report No.: FC111221N003

# TEST REPORT

To:	Zhongshan K-mate General Electronics Co., Ltd
Address:	3rd Floor, B1 building, Fuwan Industrial Zone, Sunwen East Road. Zhongshan, China

Manufacturer or Supplier	Zhongshan K-mate General Electronics Co., Ltd	
Address	3rd Floor, B1 building, Fuwan Industrial Zone, Sunwen East Road. Zhongshan, China	
Product:	Bluetooth Stereo Speaker	
Brand Name:	N/A	
Model:	SB1000	
Additional Model & Model Difference:	N/A	
Date of tests:	Dec. 21 ~ Dec. 27, 2011	

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 Glyn He  
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. 27, 2011



# 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	PASS	Compliant
§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

# 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	9kHz~30MHz	2.44dB
Radiated emissions	30MHz ~ 200MHz	3.19dB
	200MHz ~1000MHz	3.21dB
	1GHz ~ 18GHz	2.26dB
	18GHz ~ 40GHz	1.94dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.



### 3 GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Bluetooth Stereo Speaker
MODEL NO.	SB1000
FCC ID	WAD-SB1000
NOMINAL VOLTAGE	AC 120V/60Hz
OPERATING FREQUENCY	2402.0 ~ 2480.0MHz
ANTENNA TYPE	Integral PCB Antenna
ANTENNA GAIN	0dBi
I/O PORTS	Line In Port

#### 3.2 DESCRIPTION OF TEST MODES

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

TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE	PACKET TYPE
Low, Middle, High	FHSS	GFSK	PSEUDORANDOMLY	DH1/3/5
Low, Middle, High	FHSS	8DPSK	PSEUDORANDOMLY	DH1/3/5
Low, Middle, High	FHSS	$\pi/4$ DPSK	PSEUDORANDOMLY	DH1/3/5

CHANNEL NUMBER	TESTED CHANNEL	TESTED FREQUENCY
0	Low	2402 MHz
39	Mid.	2441 MHz
78	High	2480 MHz

After estimating all the combination of every test mode, the result shown as below is the worst case

TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE	PACKET TYPE
Low, Middle, High	FHSS	GFSK	PSEUDORANDOMLY	DH5



### 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.

### 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	iPhone 4	APPLE	A1332	81124KCJA4S	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	Audio Line :Unshielded, Detachable 0.6m

**NOTE:**

1. All power cords of the above support units are non-shielded (1.8m).



## 4. TEST TYPES AND RESULTS

### 4.1 CONDUCTED EMISSION MEASUREMENT

#### 4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBµV)	
	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.

#### 4.1.2 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	844 Cable	May 02,11	May 02,12
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 Dongguan Shielded Room 843.



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

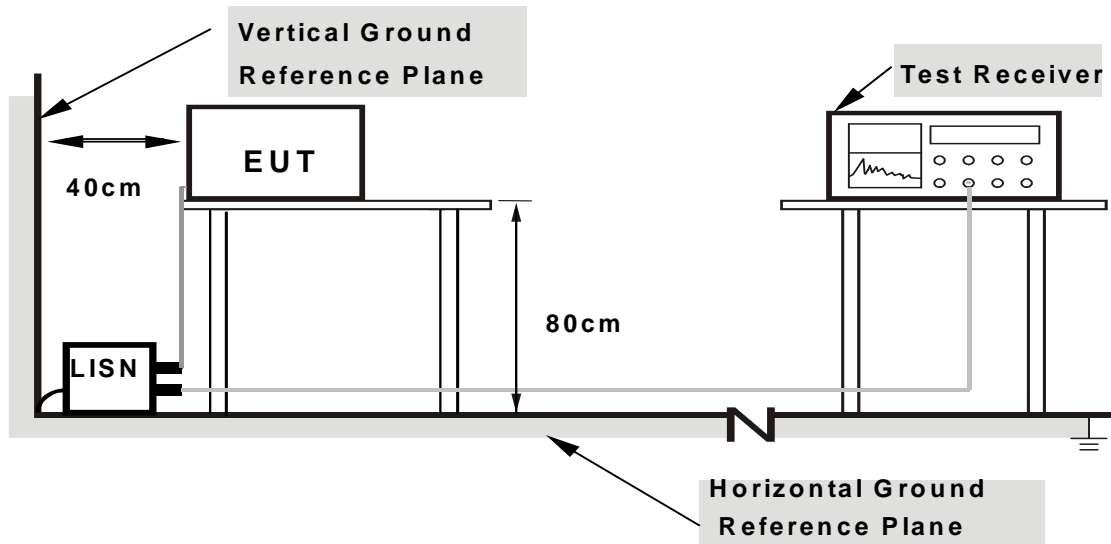
**NOTE:** All modes of operation were investigated and the worst-case emissions are reported.

#### 4.1.4 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  
from other units and other metal planes**

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

#### 4.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power of all equipment.
- b. EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.



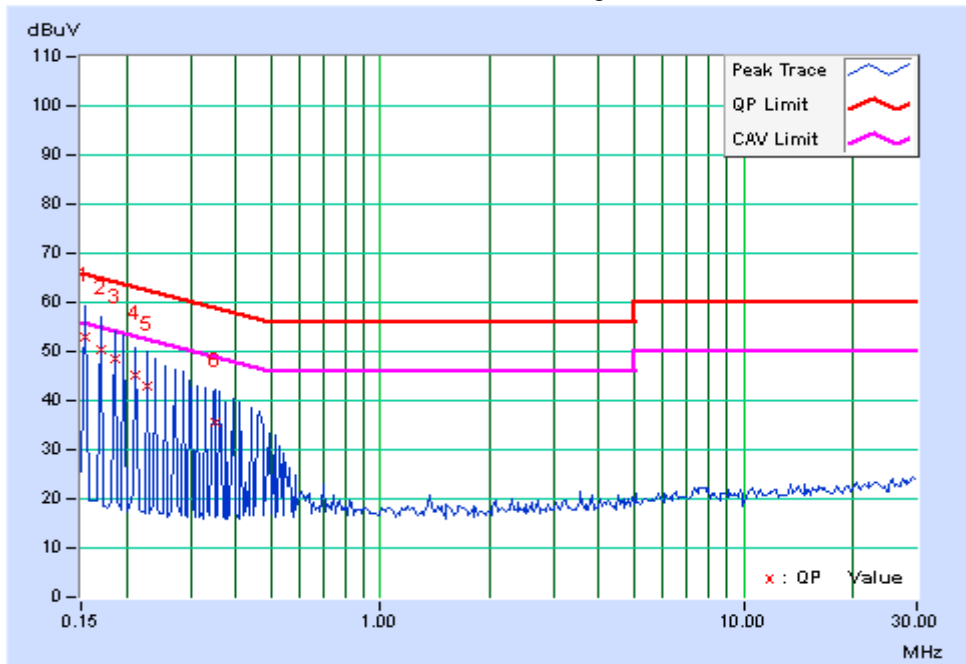
4.1.7 TEST RESULTS

CONDUCTED WORST-CASE DATA

INPUT POWER	AC 120V/60Hz	6dB BANDWIDTH	9 kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 46% RH, 1008 hPa	PHASE	Line
TESTED BY	Glyn		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	9.88	43.26	12.90	53.14	22.78	65.79	55.79	-12.64	-33.00
2	0.16953	9.90	40.30	10.65	50.20	20.55	64.98	54.98	-14.78	-34.43
3	0.18516	9.92	38.67	8.54	48.59	18.46	64.25	54.25	-15.67	-35.80
4	0.2125	9.93	35.12	5.71	45.05	15.64	63.11	53.11	-18.05	-37.46
5	0.22812	9.94	33.19	4.01	43.13	13.95	62.52	52.52	-19.39	-38.57
6	0.34922	9.96	25.51	-2.90	35.47	7.06	58.98	48.98	-23.51	-41.92

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.

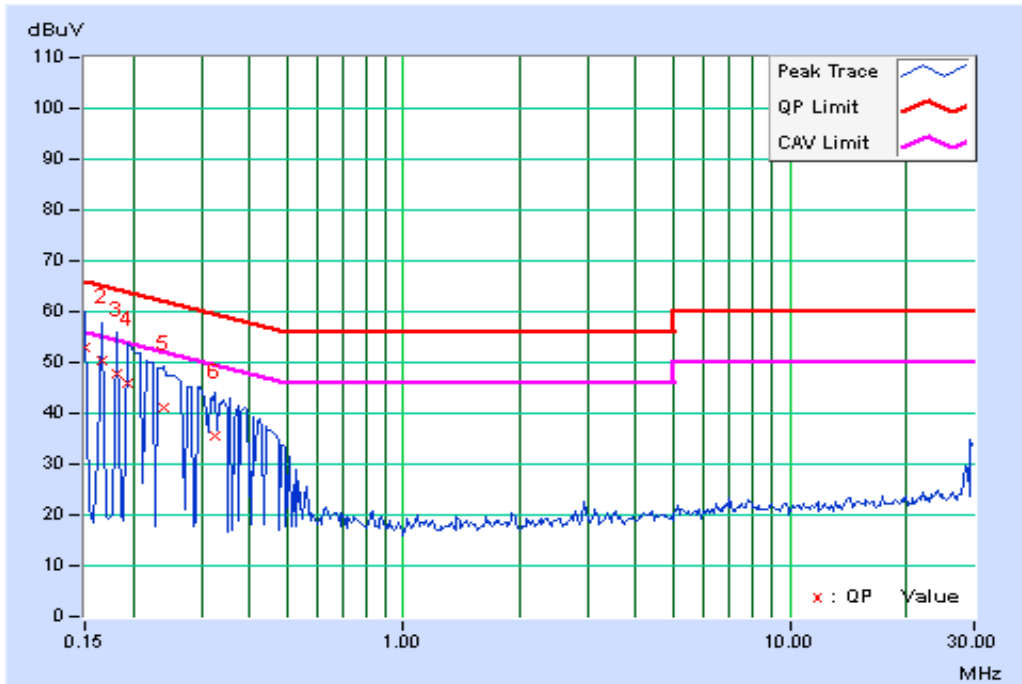




<b>INPUT POWER</b>	AC 120V/60Hz	<b>6dB BANDWIDTH</b>	9 kHz
<b>ENVIRONMENTAL CONDITIONS</b>	20 deg. C, 46% RH, 1008 hPa	<b>PHASE</b>	Neutral
<b>TESTED BY</b>	Glyn		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15	9.87	43.11	12.57	52.98	22.44	66.00	56.00	-13.02	-33.56
2	0.16562	9.89	40.30	10.69	50.19	20.58	65.18	55.18	-14.99	-34.60
3	0.18125	9.90	37.73	7.97	47.63	17.87	64.43	54.43	-16.80	-36.56
4	0.19297	9.91	36.04	6.49	45.95	16.40	63.91	53.91	-17.95	-37.50
5	0.23984	9.93	31.2	2.03	41.13	11.96	62.10	52.10	-20.97	-40.14
6	0.32578	9.95	25.61	-2.75	35.56	7.20	59.56	49.56	-23.99	-42.35

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value.





## 4.2 RADIATED EMISSION MEASUREMENT

### 4.2.1 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.



**4.2.2 TEST INSTRUMENTS**

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Spectrum Analyzer Agilent	E4446A	MY46180622	Apr. 25, 11	Apr. 25, 12
Spectrum Analyzer Agilent	E7405A	MY45118807	May 25,11	May 25,12
Test Receiver ROHDE & SCHWARZ	ESVD	847398/003	May 25,11	May 25,12
Bilog Antenna TESEQ	CBL 6111D	27089	Jul 24,11	Jul 24,12
Horn Antenna EMCO	3117	00062558	Nov.07,11	Nov.07,12
10m Semi-anechoic Chamber ETS-LINDGREN	21.4m*12.1m*8.8m	NSEMC006	May 02,11	May 02,12
RF Cable IMRO	IMRO-400	10m Cable 1#10m	May 02,11	May 02,12
RF Cable IMRO	IMRO-400	10m Cable 2#3m	May 02,11	May 02,12
Signal Amplifier EMCI	EMC330	980095	Nov 07,11	Nov 07,12
Signal Amplifier EMCI	EMC0140045	980102	Nov 07,11	Nov 07,12
Spectrum Analyzer HP	8593E	3448U00806	May 25,11	May 25,12
RF Cable DRAKA	M06/25-RG102	10m Cable 2#	May 02,11	May 02,12

- 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.



#### 4.2.3 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 use das 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 was1MHz and 1MHz for Peak detection at frequency above 1GHz.

For Average measurement at frequency above 1GHz.The resolution bandwidth of the test receiver was 1MHz ; due to the shortest pulse width T is 116us, according the video bandwidth should not smaller than 1/T,so the video bandwidth is 10Hz.

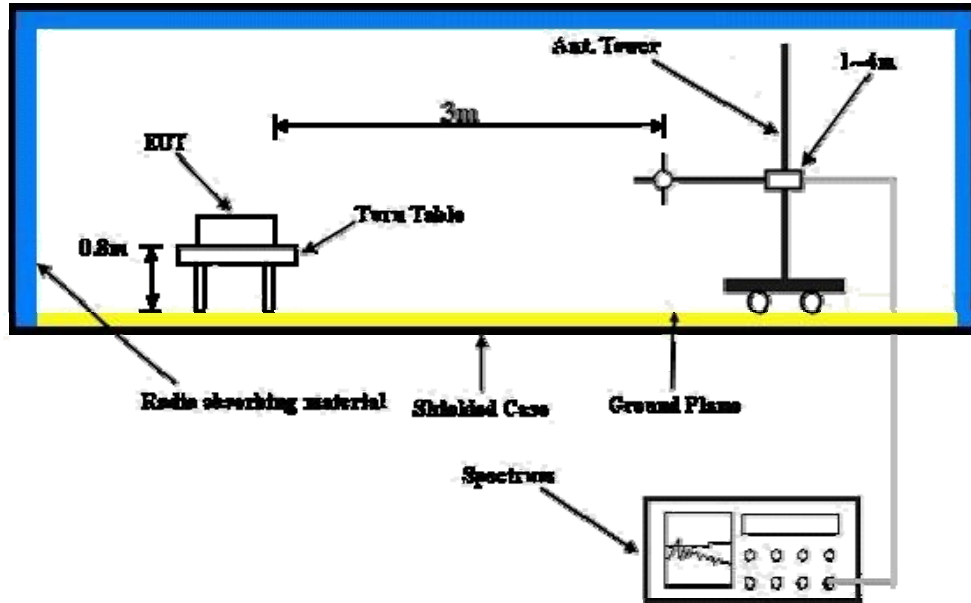
In 18GHz to 25GHz, The EUT was checked by Horn ANT . But the test Emissions attenuated more than 20 dB below the permissible value.

#### 4.2.4 DEVIATION FROM TEST STANDARD

No deviation



#### 4.2.5 TEST SETUP



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

#### 4.2.6 EUT OPERATING CONDITIONS

- Placed the EUT on the testing table.
- The EUT connected with PC and run a test program
- Enable EUT under transmission condition continuously at specific channel frequency.

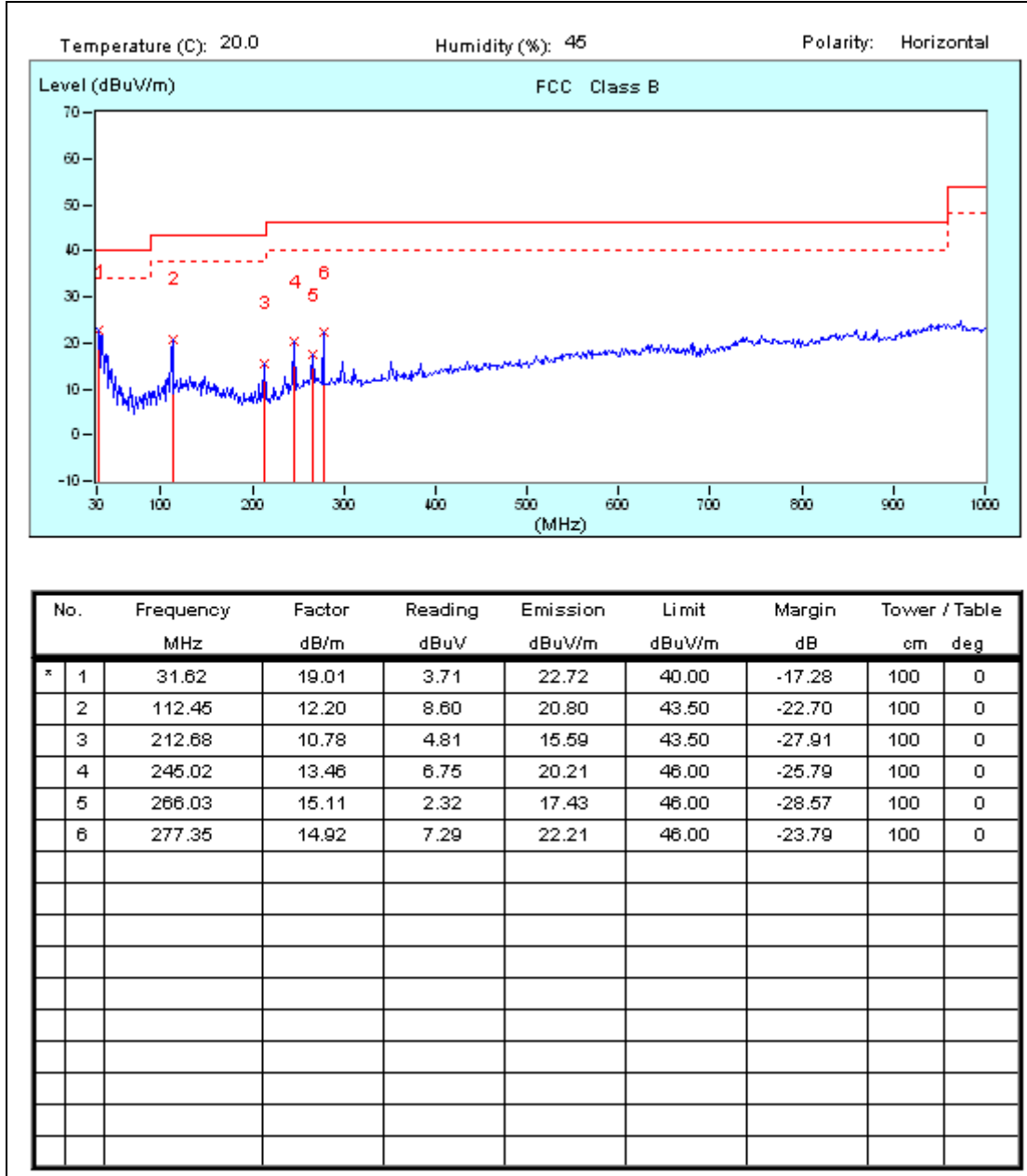


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**Test Report No.: FC111221N003**

### 4.2.7 TEST RESULTS

#### BELOW 1GHz WORST-CASE DATA: Low channel

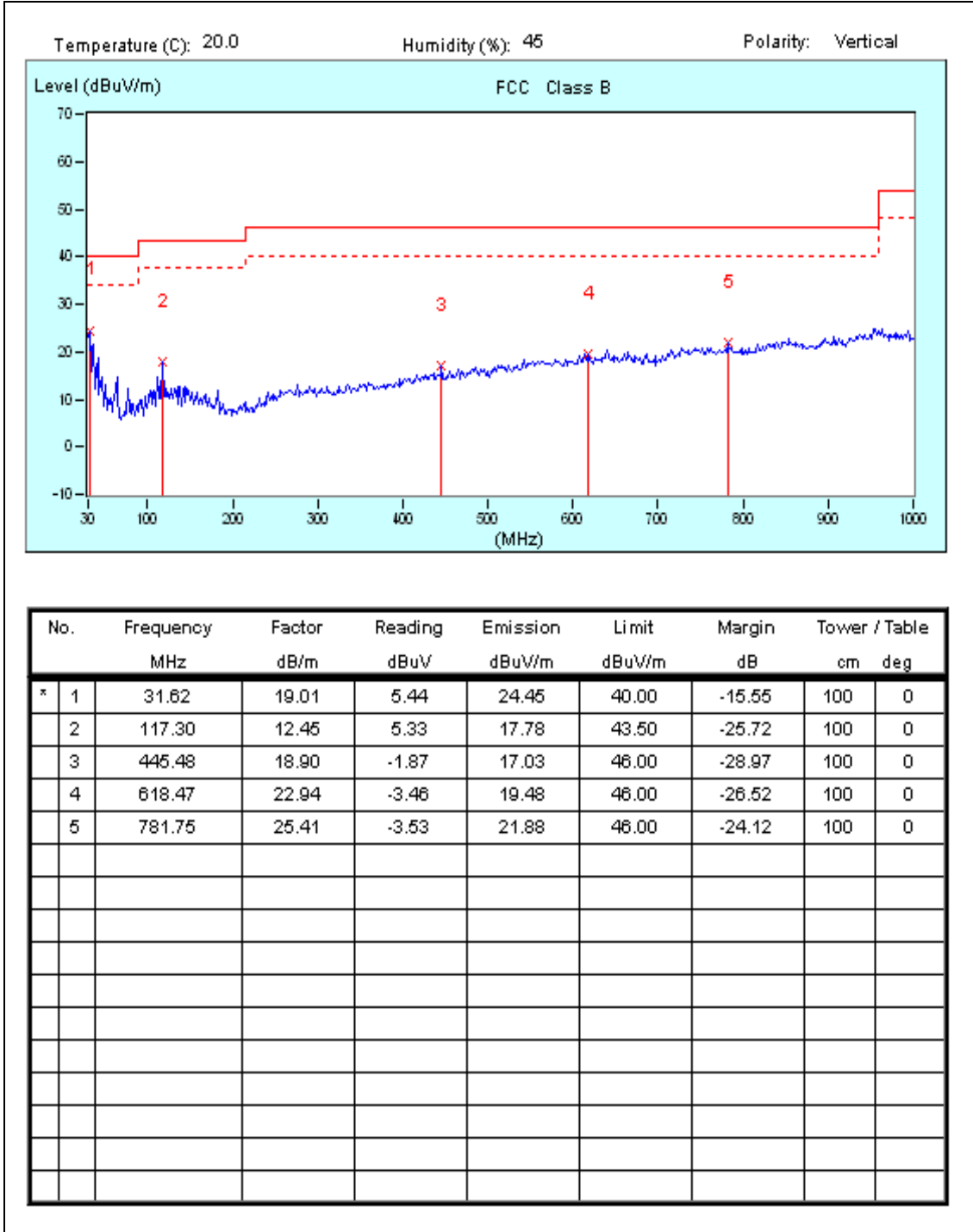






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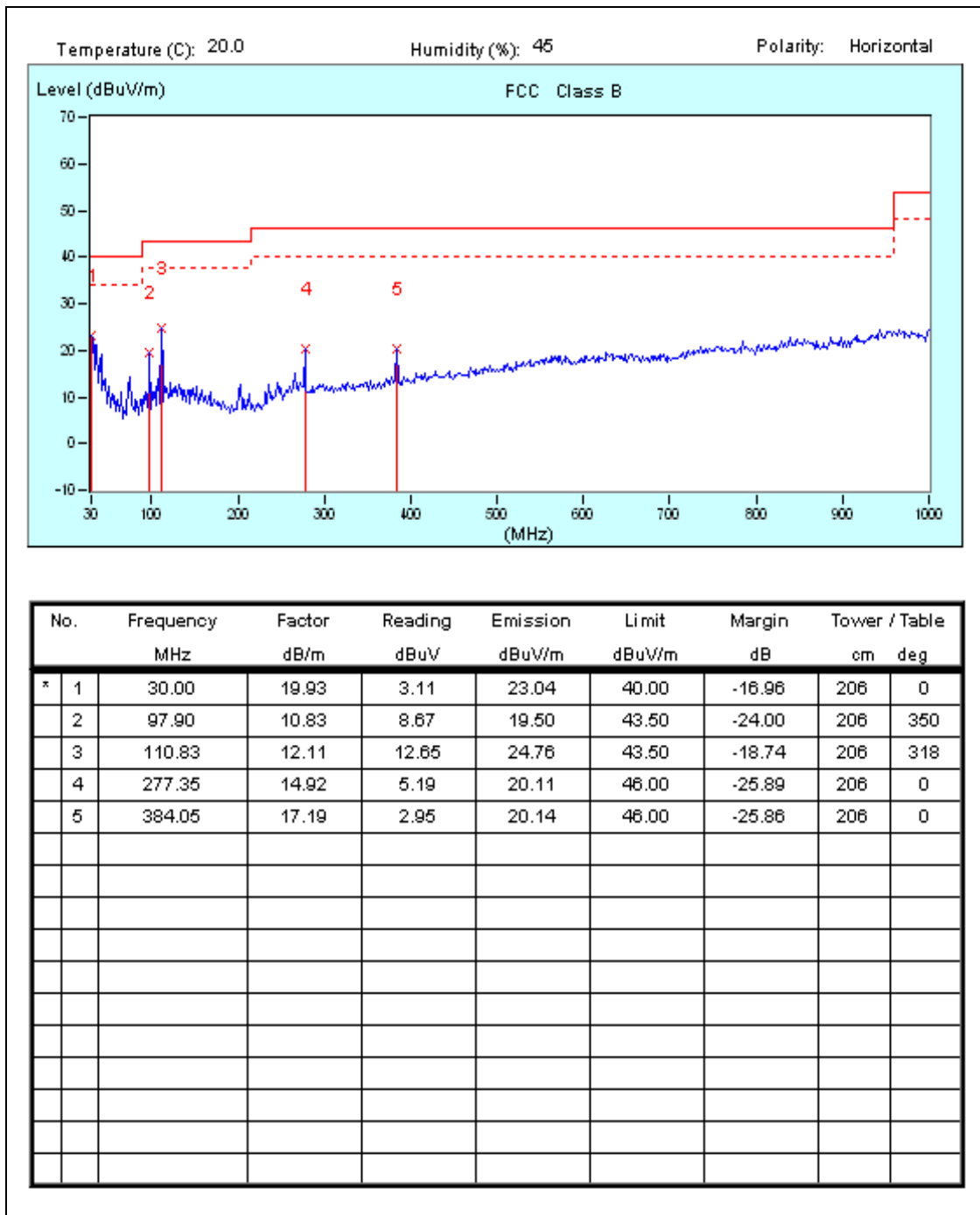




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**BELOW 1GHz WORST-CASE DATA: Middle channel**



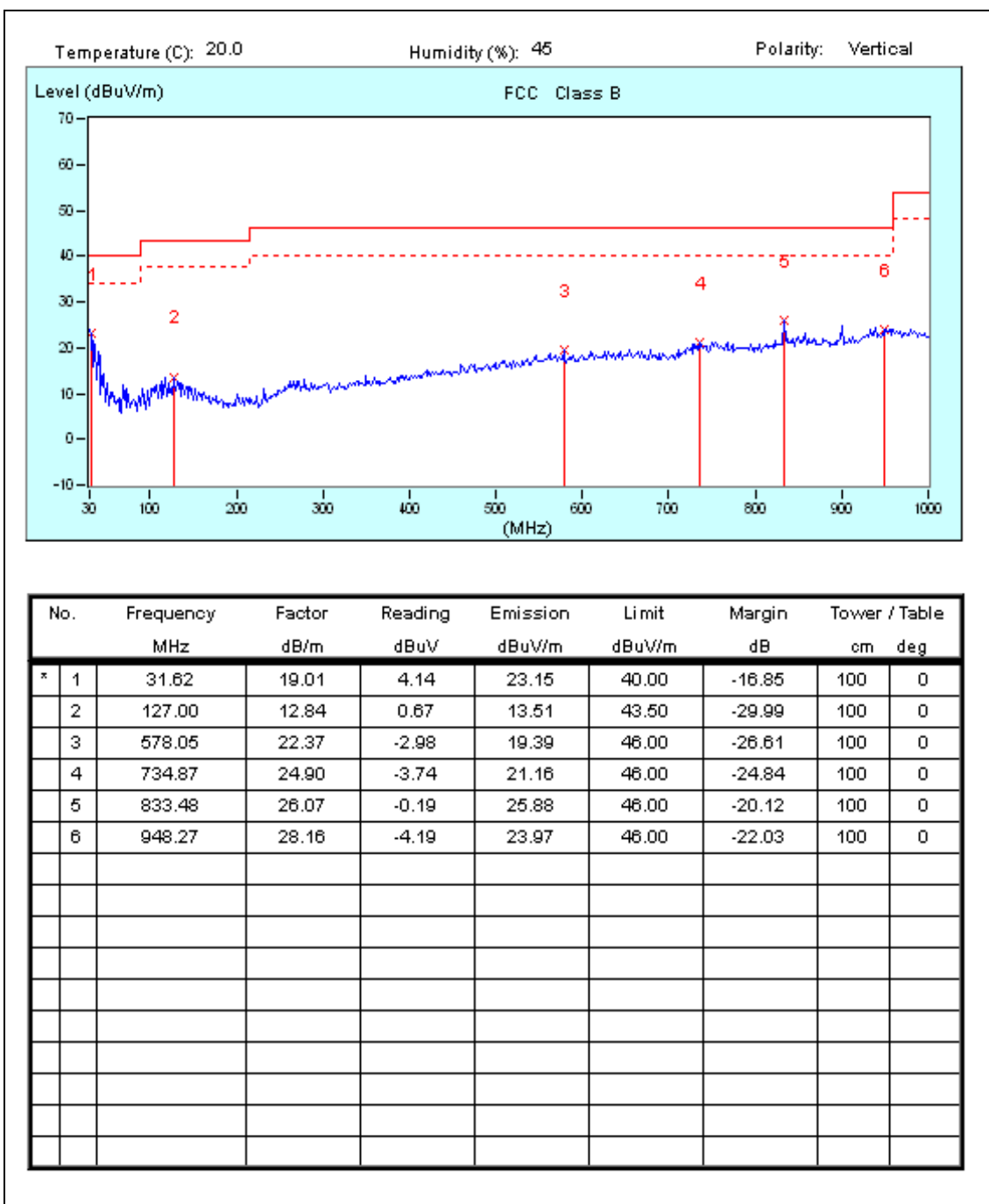






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**REMARKS:** 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).  
 2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).  
 3. The other emission levels were very low against the limit.  
 4. Margin value = Emission level – Limit value.



ABOVE 1GHz WORST-CASE DATA: Low channel

Frequency MHz	Detector	Raw Value dBuV	Direction Degree	Polar H/V	Correction factor dB/m	Emission level dBuV/m	Limit dBuV/m	Margin dB
4810.00	AV	3.6	125	V	48.1	51.7	54	-23
4810.00	AV	1.3	26	H	48.1	49.4	54	-46
4810.00	PK	15.5	125	V	48.1	63.6	74	-10.4
4810.00	PK	11.5	28	H	48.1	59.6	74	-14.4
7207.47	AV	-1.5	315	V	45.2	43.7	54	-10.3
7207.47	AV	-2.9	91	H	45.2	42.3	54	-11.7
7207.47	PK	10.2	315	V	45.2	55.4	74	-18.6
7207.47	PK	7.7	91	H	45.2	52.9	74	-21.1
2402.43	AV	46.2	54	V	35.5	81.7	94	-12.3
2402.43	AV	43.9	34	H	35.5	79.4	94	-14.6
2402.43	PK	59.2	54	V	35.5	94.7	114	-19.3
2402.43	PK	55.6	34	H	35.5	91.1	114	-22.9
2390.00	AV	-1.6	216	V	33.9	32.3	54	-21.7
2390.00	AV	3.2	89	H	33.9	37.1	54	-16.9
2390.00	PK	6.4	219	V	33.9	40.3	74	-33.7
2390.00	PK	12.9	89	H	33.9	46.8	74	-27.2
2400.00	AV	6.8	263	V	34.0	40.8	54	-13.2
2400.00	AV	5.1	74	H	34.0	39.1	54	-14.9
2400.00	PK	19.5	263	V	34.0	53.5	74	-20.5
2400.00	PK	18.4	74	H	34.0	52.4	74	-21.6



**ABOVE 1GHz WORST-CASE DATA: Middle channel**

Frequency MHz	Detector	Raw Value dBuV	Direction Degree	Polar H/V	Correction factor dB/m	Emission level dBuV/m	Limit dBuV/m	Margin dB
4883.15	AV	9.3	215	V	41.8	51.1	54	-2.9
4883.15	AV	6.8	64	H	41.8	48.6	54	-5.4
4883.15	PK	20.6	215	V	41.8	62.4	74	-11.6
4883.15	PK	18.4	64	H	41.8	60.2	74	-13.8
7324.85	AV	-1.5	305	V	47.9	46.4	54	-7.6
7324.85	AV	-2.8	90	H	47.9	45.1	54	-8.9
7324.85	PK	9.6	305	V	47.9	57.5	74	-16.5
7324.85	PK	7.2	90	H	47.9	55.1	74	-18.9
2441.85	AV	44.5	254	V	34.3	78.8	94	-15.2
2441.85	AV	41.9	55	H	34.3	76.2	94	-17.8
2441.85	PK	56.3	254	V	34.3	90.6	114	-23.4
2441.85	PK	52.3	55	H	34.3	86.6	114	-27.4



ABOVE 1GHz WORST-CASE DATA: High channel

Frequency MHz	Detector	Raw Value dBuV	Direction Degree	Polar H/V	Correction factor dB/m	Emission level dBuV/m	Limit dBuV/m	Margin dB
4961.550	AV	8.8	25	V	42.0	50.8	54	-3.2
4961.550	AV	5.3	340	H	42.0	47.3	54	-6.7
4961.550	PK	15.9	25	V	42.0	57.9	74	-16.1
4961.550	PK	12.4	340	H	42.0	54.4	74	-19.6
7443.050	AV	-6.3	305	V	48.1	41.8	54	-12.2
7443.050	AV	-8.1	90	H	48.1	40.0	54	-14.0
7443.050	PK	8.3	305	V	48.1	56.4	74	-17.6
7443.050	PK	7.5	90	H	48.1	55.6	74	-18.4
2480.450	AV	43.2	265	V	34.5	77.7	94	-16.3
2480.450	AV	40.8	185	H	34.5	75.3	94	-18.7
2480.450	PK	56.2	265	V	34.5	90.7	114	-23.3
2480.450	PK	52.7	185	H	34.5	87.2	114	-26.8
2483.500	AV	0.5	37	V	34.6	35.1	54	-18.9
2483.500	AV	-2.3	139	H	34.6	32.3	54	-21.7
2483.500	PK	12.4	37	V	34.6	47.0	74	-27.0
2483.500	PK	10.5	139	H	34.6	45.1	74	-28.9

- 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.



### 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

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Spectrum Analyzer Agilent	E7405A	MY45118807	May 25,11	May 25,12
Horn Antenna EMCO	3117	00062558	Nov.07,11	Nov.07,12
10m Semi-anechoic Chamber ETS-LINDGREN	21.4m*12.1m*8.8m	NSEMC006	May 02,11	May 02,12
RF Cable IMRO	IMRO-400	10m Cable 2#3m	May 02,11	May 02,12
Signal Amplifier EMCI	EMC0140045	980102	Nov 07,11	Nov 07,12
RF Cable DRAKA	M06/25-RG102	10m Cable 2#	May 02,11	May 02,12

- 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.



#### 4.3.3 TEST PROCEDURE

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.

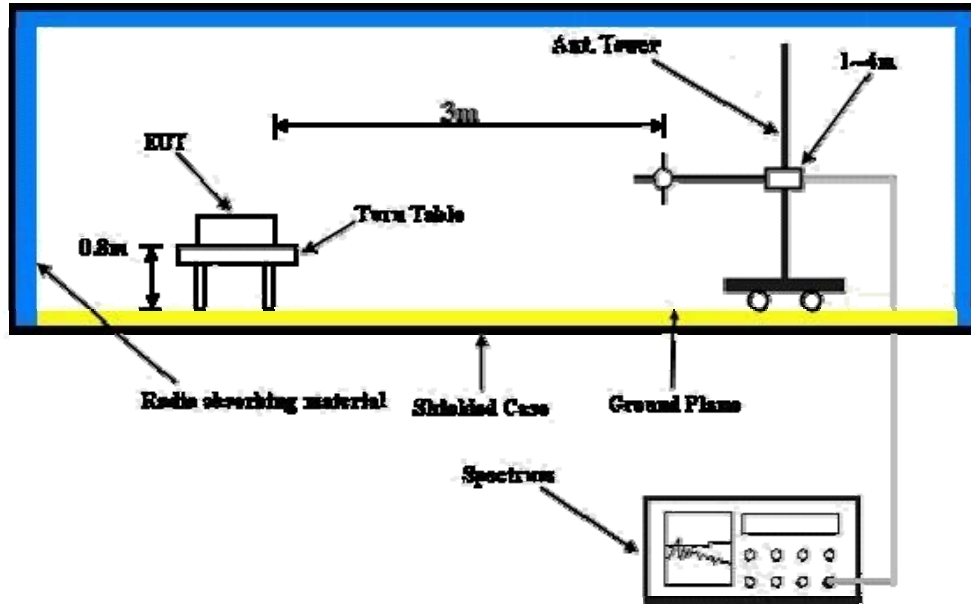
The spectrum analyzer was receiving the maximum emission level. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

#### 4.3.4 DEVIATION FROM TEST STANDARD

No deviation.



### 4.3.5 TEST SETUP



### 4.3.6 EUT OPERATING CONDITIONS

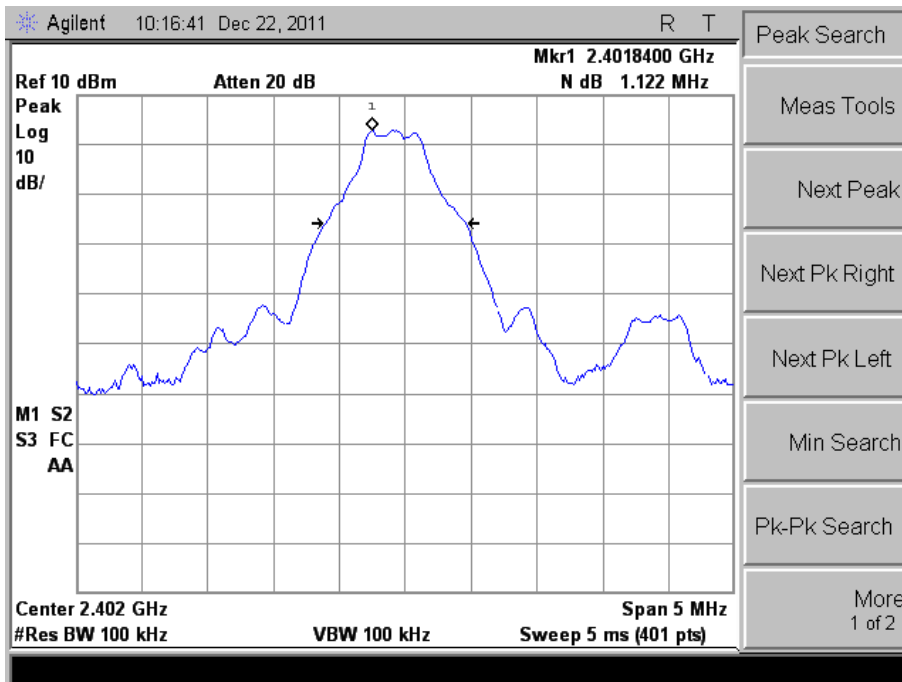
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



4.3.7 TEST RESULTS

CHANNEL	CHANNEL FREQUENCY (MHz)	20dB BANDWIDTH (MHz)
Low	2402	1.122
Middle	2441	1.122
Hight	2480	1.122

Test Data: Low channel

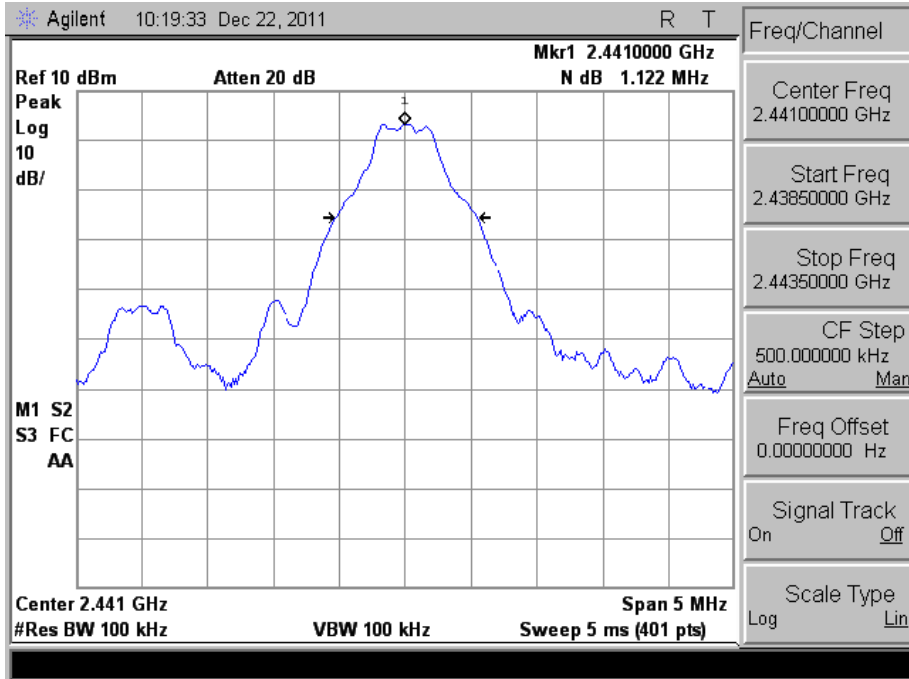




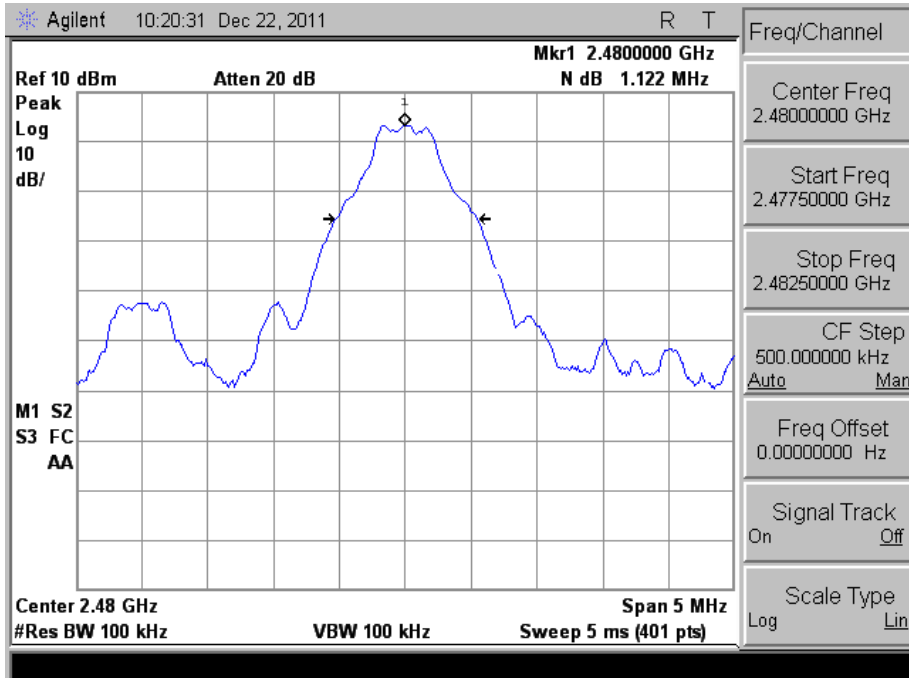
BUREAU VERITAS

Test Report No.: FC111221N003

Test Data: Middle channel



Test Data: High channel





**BUREAU  
VERITAS**

**Test Report No.: FC111221N003**

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

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



**BUREAU  
VERITAS**

**Test Report No.: FC111221N003**

## **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---**