

**Produkte**  
*Products*

<b>Prüfbericht - Nr.: 17019864 001</b>		<b>Seite 1 von 44</b>	
<i>Test Report No.:</i>		<i>Page 1 of 44</i>	
<b>Auftraggeber:</b> <i>Client:</i>	<b>Midland Radio Corporation</b> 5900 Parretta Drive, Kansas City, Missouri 64120, United States		
<b>Gegenstand der Prüfung:</b> <i>Test item:</i>	<b>Bluetooth Headset</b>		
<b>Bezeichnung:</b> <i>Identification:</i>	<b>BT Next</b>	<b>Serien-Nr.:</b> <i>Serial No.:</i>	<b>n.a.</b>
<b>Wareneingangs-Nr.:</b> <i>Receipt No.:</i>	<b>163069286</b>	<b>Eingangsdatum:</b> <i>Date of receipt:</i>	<b>2010-10-14</b>
<b>Prüfart:</b> <i>Testing location:</i>	<b>TÜV Rheinland (Guangdong) Ltd.</b> <b>EMC Laboratory</b> <b>NEUTRON ENGINEERING INC.</b> (details refer to clause 2.1)		
<b>Prüfgrundlage:</b> <i>Test specification:</i>	<b>FCC CFR47 Part 15: Subpart C Section 15.247</b> <b>FCC CFR47 Part 15: Subpart C Section 15.207</b> <b>FCC CFR47 Part 15: Subpart C Section 15.209</b> <b>FCC CFR47 Part 15: Subpart B Section 15.107</b> <b>FCC CFR47 Part 15: Subpart B Section 15.109</b> <b>RSS-210 Issue 8 December 2010</b> <b>RSS-Gen Issue 3 December 2010</b> <b>RSS-102 Issue 4 March 2010</b>		
<b>Prüfresultat:</b> <i>Test Result:</i>	<b>Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).</b> <i>The test item passed the test specification(s).</i>		
<b>Prüflaboratorium:</b> <i>Testing Laboratory:</i>	<b>TÜV Rheinland (Shenzhen) Co., Ltd.</b>		
<b>geprüft/ tested by:</b>	<b>kontrolliert/ reviewed by:</b>		
			
2011-09-13	Winnie Hou/Project Manager	2011-09-20	Shawn Peng/Technical Certifier
<b>Datum</b> <i>Date</i>	<b>Name/Stellung</b> <i>Name/Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>
			<b>Name/Stellung</b> <i>Name/Position</i>
			<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges/ Other Aspects:</b>			
<b>Abkürzungen:</b>	<b>P(ass)</b> = entspricht Prüfgrundlage	<b>Abbreviations:</b>	<b>P(ass)</b> = passed
	<b>F(ail)</b> = entspricht nicht Prüfgrundlage		<b>F(ail)</b> = failed
	<b>N/A</b> = nicht anwendbar		<b>N/A</b> = not applicable
	<b>NIT</b> = nicht getestet		<b>NIT</b> = not tested
<b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b> <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>			

## TEST SUMMARY

**5.1.1 ANTENNA REQUIREMENT***RESULT: Passed***5.1.2 PEAK OUTPUT POWER***RESULT: Passed***5.1.3 20DB BANDWIDTH***RESULT: Passed***5.1.4 99% BANDWIDTH***RESULT: Passed***5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHZ BANDWIDTH***RESULT: Passed***5.1.6 SPURIOUS EMISSION***RESULT: Passed***5.1.7 FREQUENCY SEPARATION***RESULT: Passed***5.1.8 NUMBER OF HOPPING FREQUENCY***RESULT: Passed***5.1.9 TIME OF OCCUPANCY***RESULT: Passed***5.1.10 CONDUCTED EMISSIONS***RESULT: Passed***5.1.11 RADIATED EMISSIONS***RESULT: Passed***6.1.1 ELECTROMAGNETIC FIELDS***RESULT: Passed*

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## 1. General Remarks

### 1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:  
Appendix 1: Test Result

## 2. Test Sites

### 2.1 Test Facilities

TÜV Rheinland (Guangdong) Ltd.  
EMC Laboratory

Guangzhou Auto Market,  
Yuan Gang Section of Guangshan Road,  
Guangzhou, P.R. China

FCC Registration No.: 833845

Test site Industry Canada No.: 2932C-1

NEUTRON ENGINEERING INC.

No.3,Jinshagang 1st Road,  
ShiXia,Dalang Town,DongGuan,China.

FCC Registration No.: 319330

Test site Industry Canada No.: 4428B-1

The tests at the test site have been conducted under the supervision of a TÜV engineer.

## 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment**

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
<b>Spurious emission and Radiated emission (BTL)</b>				
Test Receiver	R&S	ESCI	100382	2012-05-26
Spectrum	Agilent	E4408B	US39240143	2011-11-26
Antenna	Schwarbeck	VULB9160	9160-3232	2012-06-08
Amplifier	HP	8447D	2944A09673	2012-05-26
Antenna	ETS	3115	00075789	2012-05-27
Amplifier	Agilent	8449B	3008A02274	2012-05-26
Test Cable	N/A	C-01_CB03	N/A	2012-07-06
Test Cable	HUBER+SUHNER	SUCOFLEX_8m	313794/4	2012-04-12
Controller	CT	SC100	N/A	N/A
Active Loop Antenna	R&S	HFH2-Z2	830749/020	2012-05-27
<b>Radio Test Suite (TUV)</b>				
Receiver	Rohde & Schwarz	ESCI	100178	2011-09-27
<b>Radio Test Suite (BTL)</b>				
Spectrum Analyzer	R&S	FSP 40	100185	2011-11-26
<b>Conducted Emission (TUV)</b>				
EMI Test Receiver	Rohde & Schwarz	ESCS30	100316	2012-03-16
Artificial Mains Network	Rohde & Schwarz	ESH2-Z5	100114	2012-03-16

## 2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are  $\pm 3\text{dB}$ .

## 2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix 1 of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

## 2.7 Status of Facility Used for Testing

The TÜV Rheinland (Guangdong) Ltd. test facility located at Guangzhou Auto Market, Yuan Gang Section of Guangshan Road, Guangzhou, P.R. China and Neutron Engineering Inc. located at No. 3. Jinshagang 1st Road, ShiXia, DaLang Town, Dong Guan, China are listed on the US Federal Communications Commission list of facilities approved to perform measurements.

### 3. General Product Information

#### 3.1 Product Function and Intended Use

The EUT is Bluetooth headset which is an intercom communication system solution for motor cyclists. The design is very slim and aerodynamic, all the main functions are easy to operate. BT Next is fixed on the helmet using the adhesive plate or the screw mounting clamp. The audio kit with ultra slim speakers let you enjoy high quality stereo music while riding. The EUT operates at 2.4GHz ISM frequency band.

The Model No. was indicated as 'BTNEXT' during testing phase, while the final formal Model No. was revised to 'BT Next' by manufacturer later.

For details refer to the User Manual and Circuit Diagram.

#### 3.2 Ratings and System Details

**Table 2: Rating of EUT**

Kind of Equipment:	Bluetooth Headset
Type Designation:	BT Next
FCC ID	MMABTNEXT
IC	3690A-BTNEXT

**Table 3: Technical Specification of EUT**

Technical Specification	Value
Operating Frequency band	2402 – 2480 MHz
Channel separation	1MHz
Extreme Temperature Range	-10°C to +55°C
Operation Voltage	DC 3.7V (via Lithium Battery)
Modulation	GFSK
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	0dBi
RF Output Power	0.0187W (12.72dBm)

**Table 4: Frequency hopping information**

Technical Specification	Description
Hopping Range	<p>Hereby we declare that the maximum frequency of this device is: 2402-2480MHz. This is according the Bluetooth Core Specification V2.1+EDR for devices which will be operated in the USA. This was checked during the Bluetooth Qualification tests (Test Case: TRM/CA/04-E).</p>
Hopping Sequence	<p>Example of a 79 hopping sequence in data mode:</p> <p>33,04,21,44,23,42,53,46,55,48,40,59,72,29,76,31,08,73,07,75,09,45,60,39,58,13,47,11,77,52,35,50,65,54,67,56,69,62,71,64, 7,25,27,66,57,70,74,61,78,63,10,41,05,43,15,44,64,68,02,70,06,01,51,03,55,05,03,66,53,49,36,47,</p>
Receiver input bandwidth	<p>The input bandwidth of the receiver is 1MHz. In every connection one Bluetooth device is the master and the other one is the slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master.</p> <p>Additionally the type of connection is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings.</p> <p>Repeating of a packer has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case.</p> <p>That means a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.</p>

### 3.3 Independent Operation Modes

The basic operation modes are:

- A. Transmitting
  - 1. Low channel
  - 2. Middle channel
  - 3. High channel
- B. Standby
- C. Receiving
- D. Charging
- E. Update firmware
- F. Off

### **3.4 Noise Generating and Noise Suppressing Parts**

Refer to the Circuit Diagram.

### **3.5 Submitted Documents**

- Bill of Material
- PCB Layout
- Photo Document
- Technical Description
- Circuit Diagram
- Instruction Manual
- Rating Label

## 4. Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

### 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2003.

Full test was applied on all test modes, but only worst case was shown.

### 4.3 Special Accessories and Auxiliary Equipment

The EUT was tested with following accessories

Description	Manufacturer	Type	Rating
AC/DC Adapter	TEN PAO	S003FV0500 040	Input: AC100-240V 50/60Hz 150Ma Output: DC5V 400mA
AUDIO KIT	--	TWR-106-11	--

## 4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

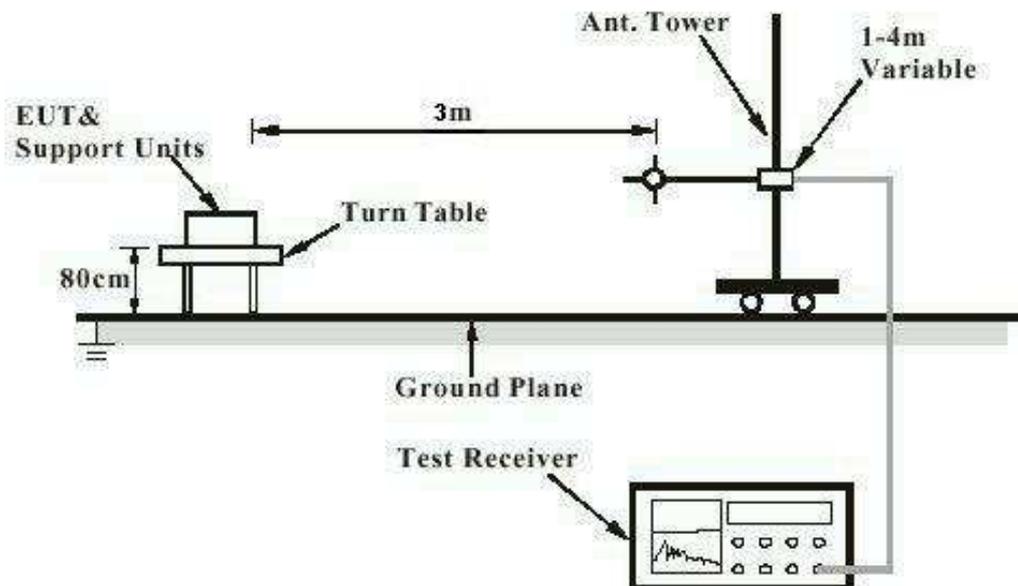


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement

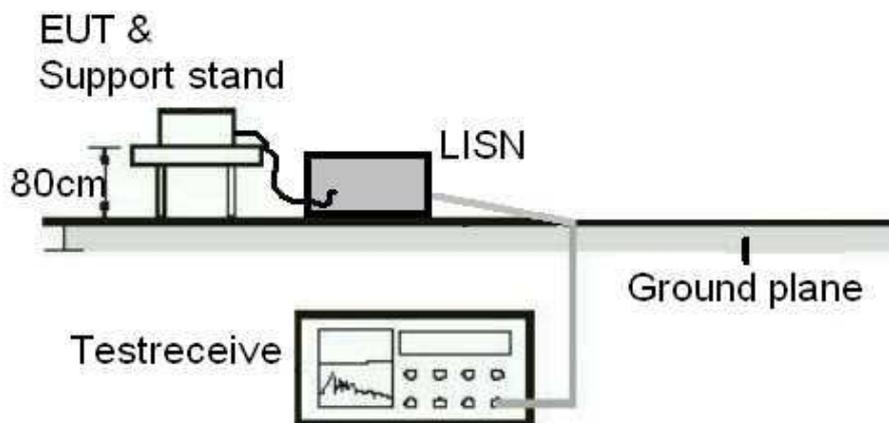
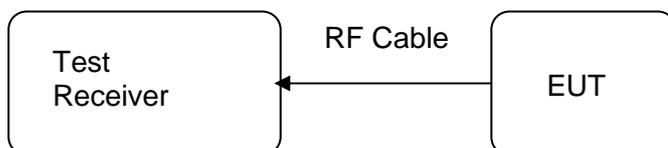


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**RESULT:****Passed**

Test date	:	2011-08-09
Test standard	:	FCC Part 15.247(b)(4) and Part 15.203 RSS-Gen 7.1.4
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 0dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT photo for details.

## 5.1.2 Peak Output Power

**RESULT:**
**Passed**

Test date : 2011-08-17  
 Test standard : FCC Part 15.247(b)(1)  
                   : RSS-210 A8.4 (2)  
 Basic standard : ANSI C63.4: 2003  
 Limit : 1 Watt  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A  
 Ambient temperature : 20°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101 kPa

**Table 5: Test result of Peak Output Power**

Channel	Channel Frequency (MHz)	Peak Output Power		Limit (W)
		(dBm)	(W)	
Low Channel	2402	12.72	0.0187	1
Middle Channel	2441	12.33	0.0171	1
High Channel	2480	12.23	0.0167	1

Remark: RBW is 1MHz

### 5.1.3 20dB Bandwidth

**RESULT:****Passed**

Date of testing : 2011-08-09  
Test standard : FCC Part 15.247(a)(1)  
RSS-210 A8.1 (a)  
Basic standard : ANSI C63.4: 2003  
Kind of test site : Shielded room

**Test setup**

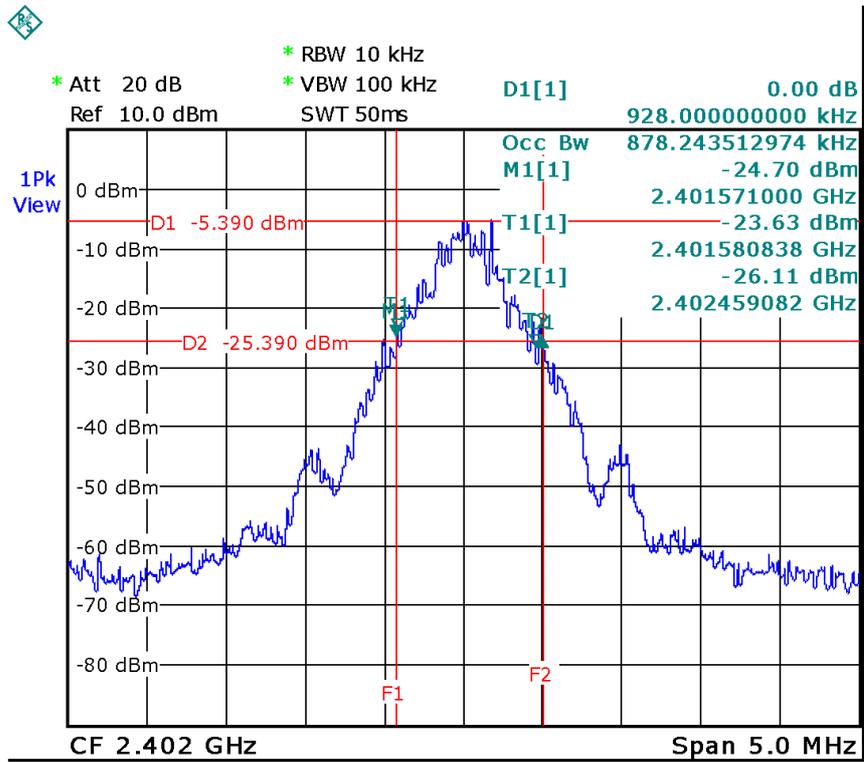
Test Channel : Low/ Middle/ High  
Operation Mode : A  
Ambient temperature : 20°C  
Relative humidity : 50%  
Atmospheric pressure : 101 kPa

**Table 6: Test result of 20dB Bandwidth**

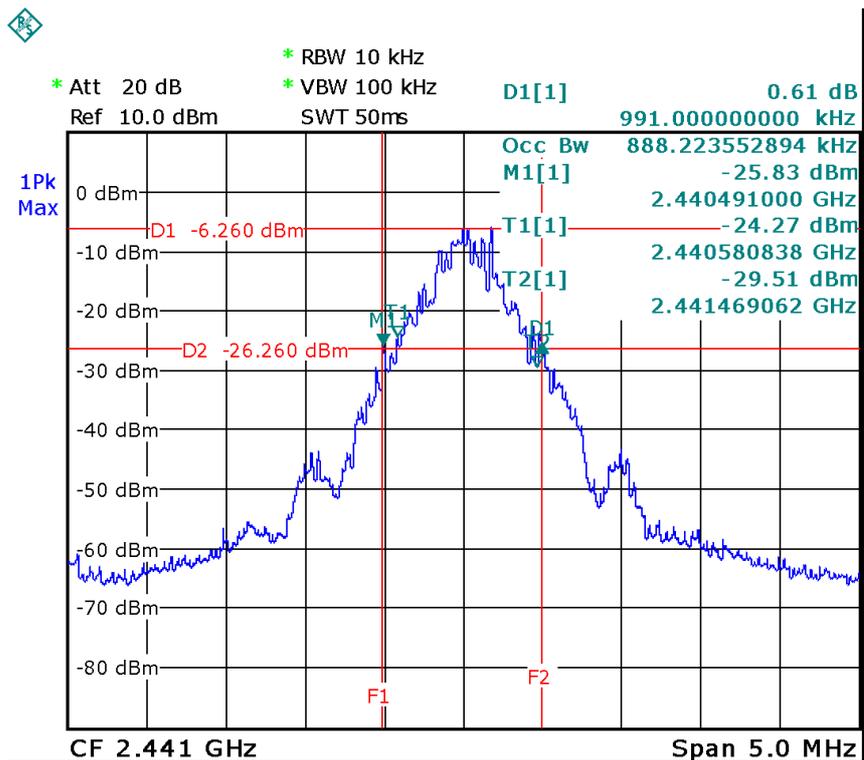
Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	928	/	Pass
Mid Channel	2441	991	/	Pass
High Channel	2480	989	/	Pass

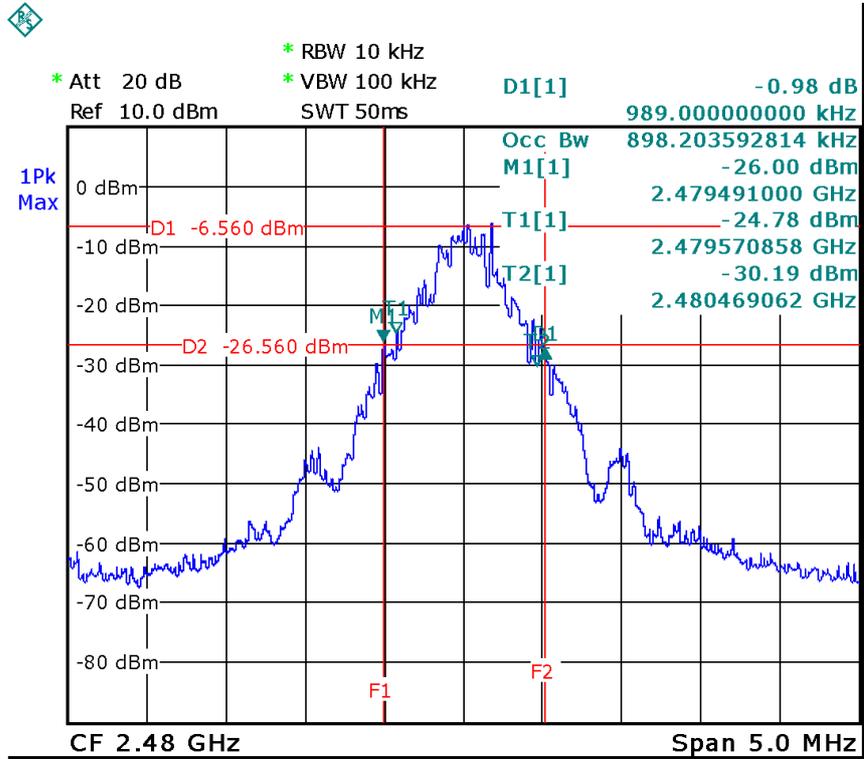
### Test Plot of 20dB Bandwidth

#### Low Channel



#### Middle Channel



**High Channel**


### 5.1.4 99% Bandwidth

**RESULT:****Passed**

Date of testing : 2011-08-09  
Test standard : RSS-Gen clause 4.6.1  
Basic standard : ANSI C63.4: 2003  
Kind of test site : Shielded room

**Test setup**

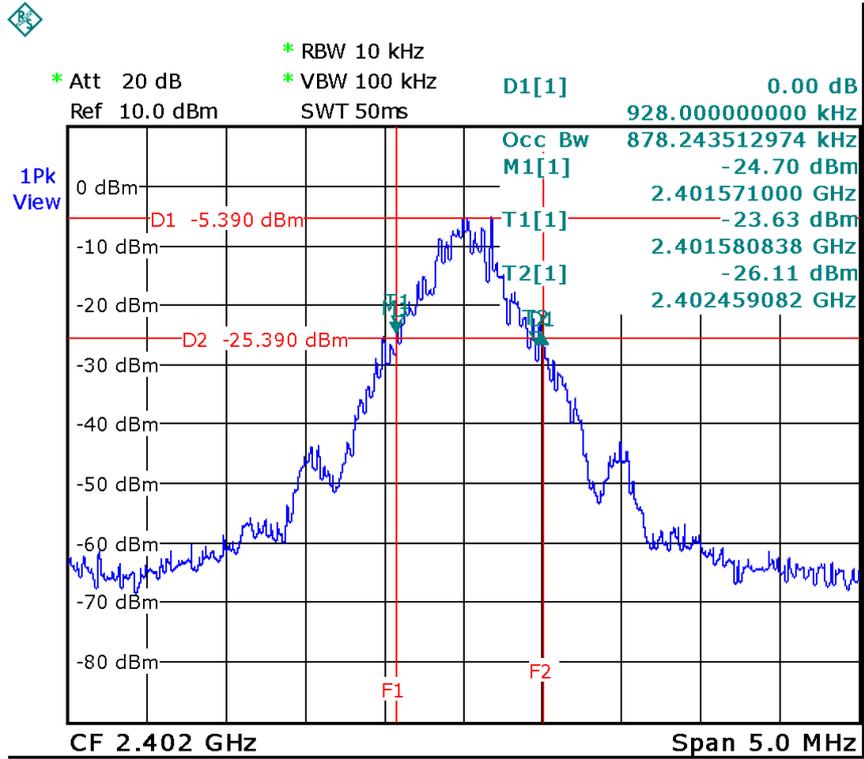
Test Channel : Low/ Middle/ High  
Operation Mode : A  
Ambient temperature : 22°C  
Relative humidity : 52%  
Atmospheric pressure : 101 kPa

**Table 7: Test result of 99% Bandwidth**

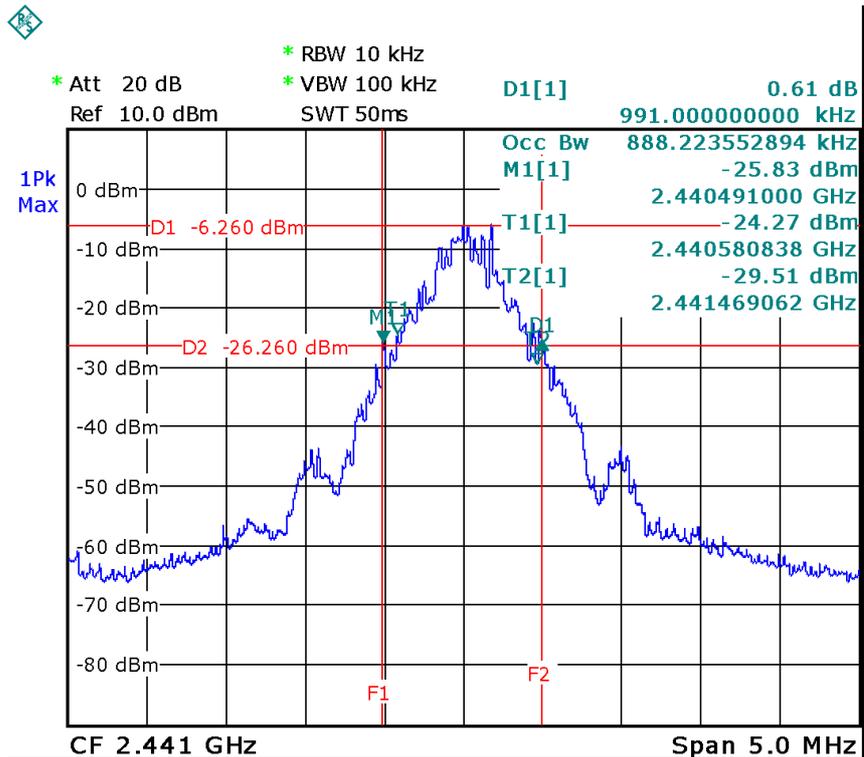
Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	878	/	Pass
Mid Channel	2441	888	/	Pass
High Channel	2480	898	/	Pass

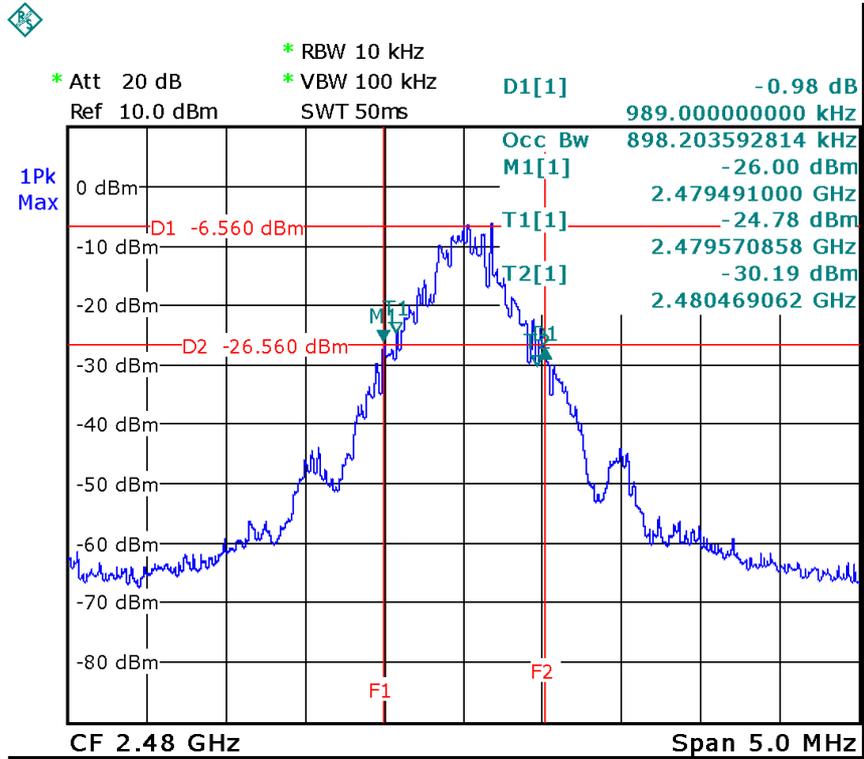
### Test Plot of 99% Bandwidth

#### Low Channel



#### Middle Channel



**High Channel**


### 5.1.5 Conducted spurious emissions measured in 100kHz Bandwidth

**RESULT:****Passed**

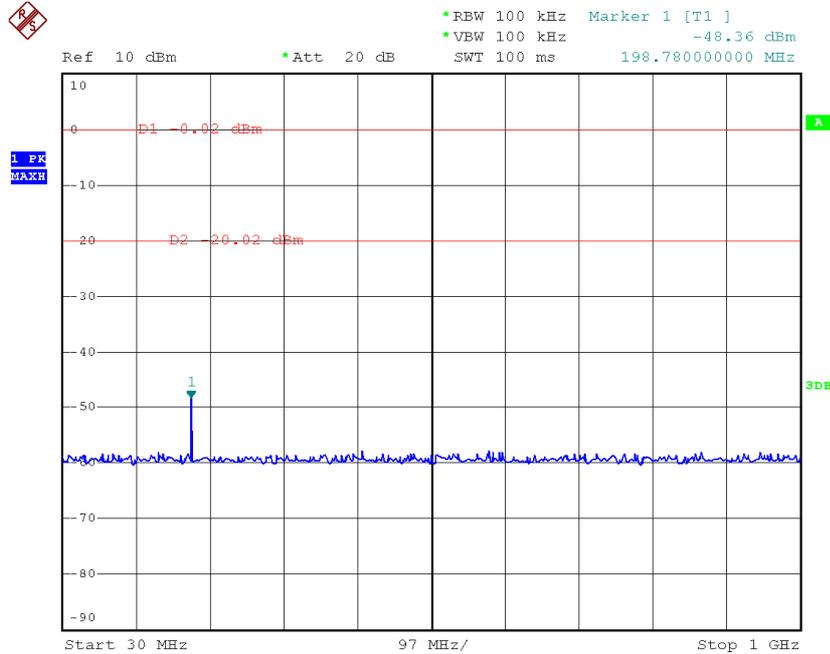
Date of testing : 2011-08-09  
Test standard : FCC part 15.247(d)  
RSS-210 A8.5  
Basic standard : ANSI C63.4: 2003  
Limit : 20dB (below that in the 100kHz bandwidth within  
the band that contains the highest level of the  
desired power);  
In addition, radiated emissions which fall in the  
restricted bands, must also comply with the radiated  
emission limits specified in 15.209(a)  
Kind of test site : Shield room

**Test setup**

Test Channel : Low/ High  
Operation mode : A  
Ambient temperature : 22°C  
Relative humidity : 52%  
Atmospheric pressure : 101 kPa

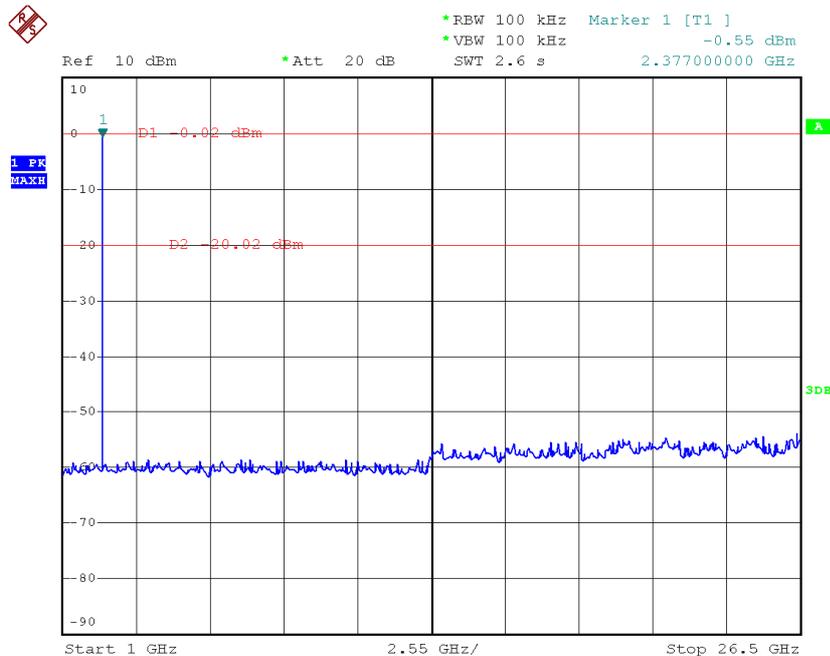
All emissions are more than 50dB below fundamental, details refer to following test plot, and compliance is achieved as well.

### Test Plot of 100kHz Bandwidth of Frequency Band Edge Low Channel, below 1GHz

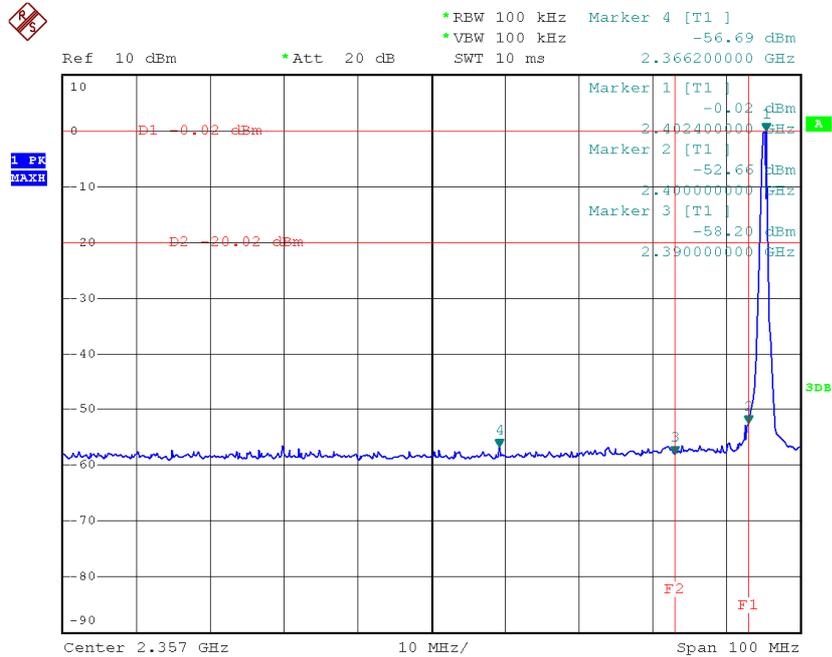


Date: 9.AUG.2011 02:16:30

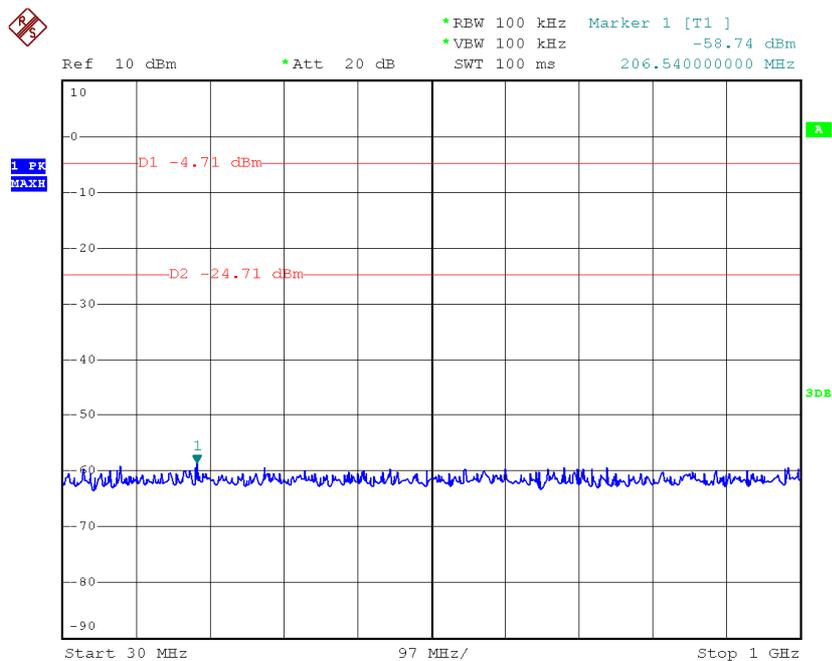
### Low Channel, above 1GHz



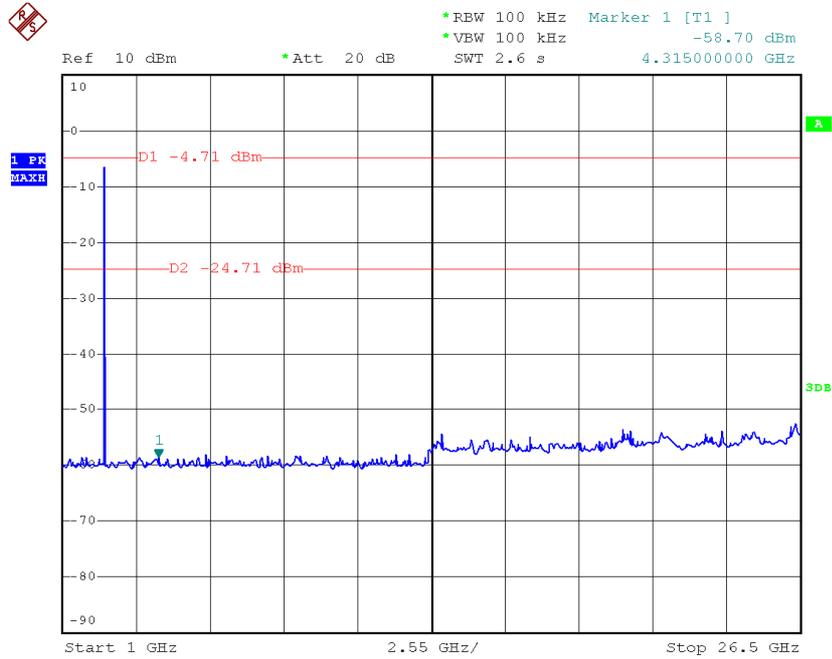
Date: 9.AUG.2011 02:16:30

**Low Channel, Band Edge**


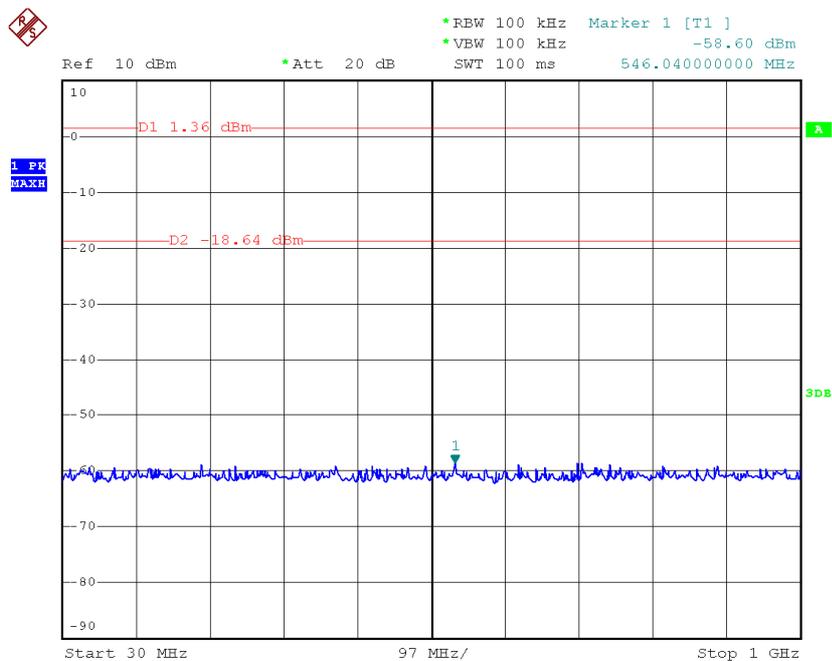
Date: 9.AUG.2011 02:59:07

**Middle Channel, below 1GHz**


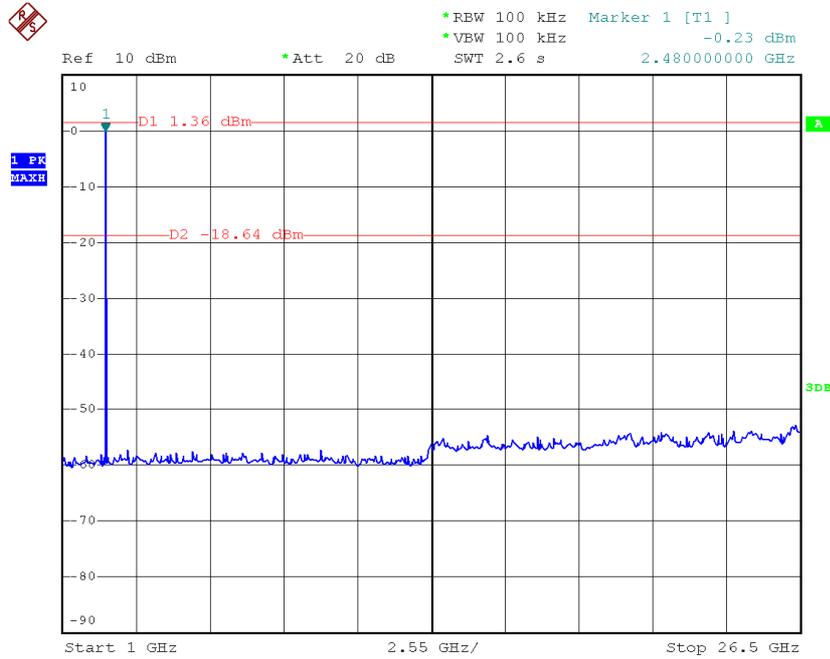
Date: 9.AUG.2011 02:08:27

**Middle Channel, above 1GHz**


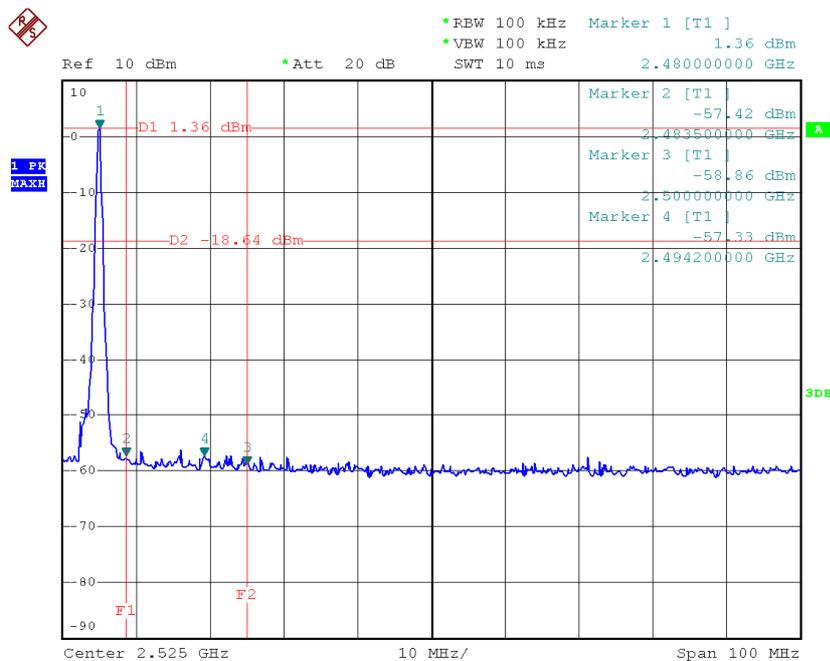
Date: 9.AUG.2011 02:08:19

**High Channel, below 1GHz**


Date: 9.AUG.2011 02:16:30

**High Channel, above 1GHz**


Date: 9.AUG.2011 02:16:30

**High Channel, Band Edge**


Date: 9.AUG.2011 02:11:16

## 5.1.6 Spurious Emission

**RESULT:****Passed**

Date of testing	:	2011-08-13 to 2011-08-21
Test standard	:	FCC part 15.247(d) FCC Part 15.205 RSS-210 Clause 2.2
Basic standard	:	ANSI C63.4: 2003
Limits	:	Refer to 15.209(a) of FCC part 15.247(d) Refer to RSS-210 Table 2
Kind of test site	:	3m Semi-Anechoic Chamber

**Test setup**

Test Channel	:	Low/ Middle/ High
Operation mode	:	A, C
Ambient temperature	:	20°C
Relative humidity	:	53%
Atmospheric pressure	:	101 kPa

**Remark:**

During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test setup photos.

Testing was carried out within frequency range 9kHz to the tenth harmonics.

For details refer to Appendix 1.

### 5.1.7 Frequency Separation

**RESULT:**
**Passed**

Date of testing : 2011-08-09  
 Test standard : FCC part 15.247(a)(1)  
                   : RSS-210 A8.1 (b)  
 Basic standard : ANSI C63.4: 2003  
 Limit :  $\geq 25\text{kHz}$  or  $2/3$  of 20dB bandwidth, whichever is greater

**Test setup**

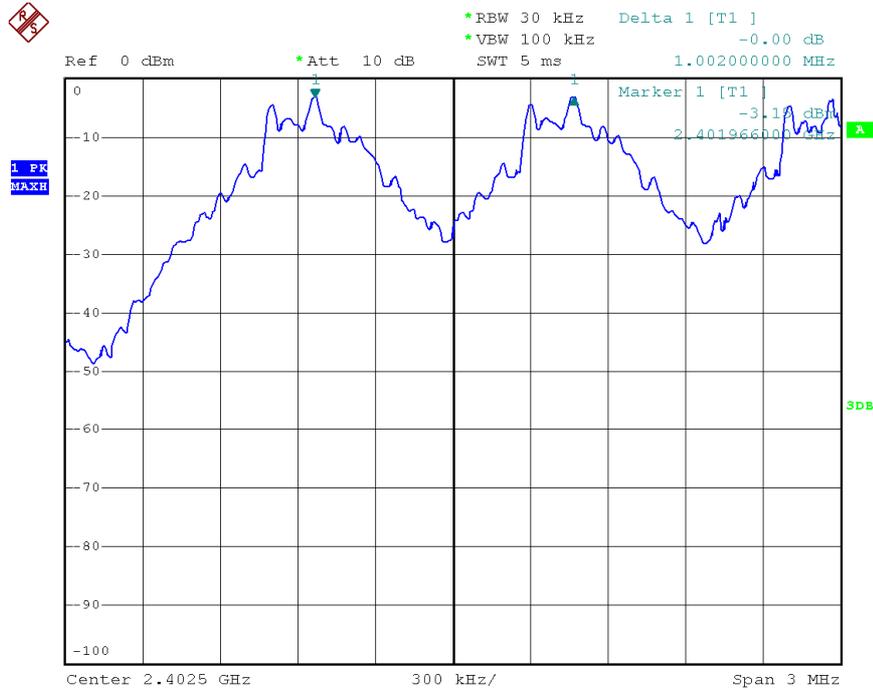
Test Channel : Low/ Middle/ High  
 Operation Mode : A  
 Ambient temperature : 22°C  
 Relative humidity : 52%  
 Atmospheric pressure : 101 kPa

**Table 8: Test result of Frequency Separation**

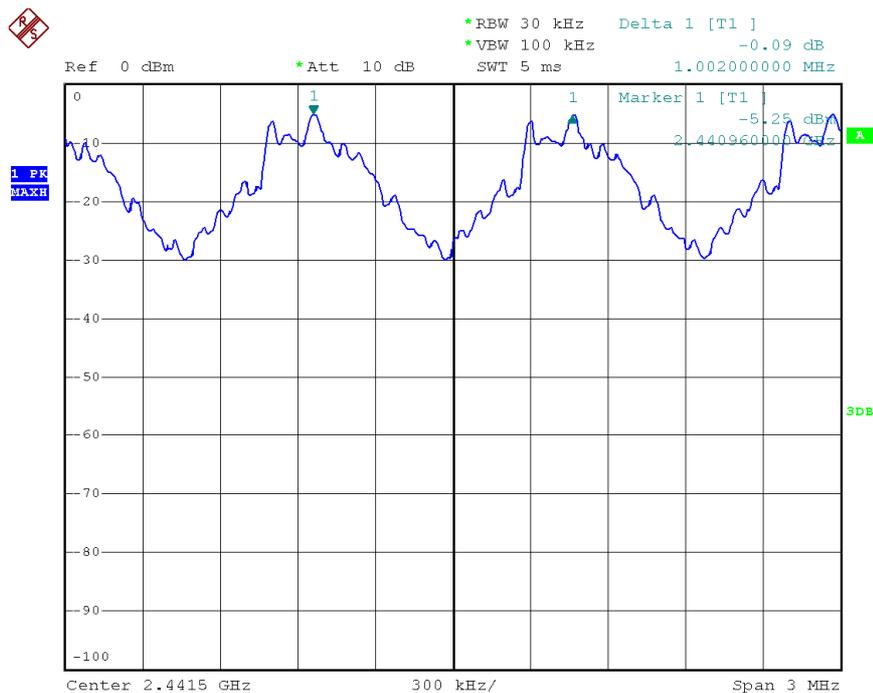
Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1	$\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1	$\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2480	1	$\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth	Pass
Adjacency Channel	2479			

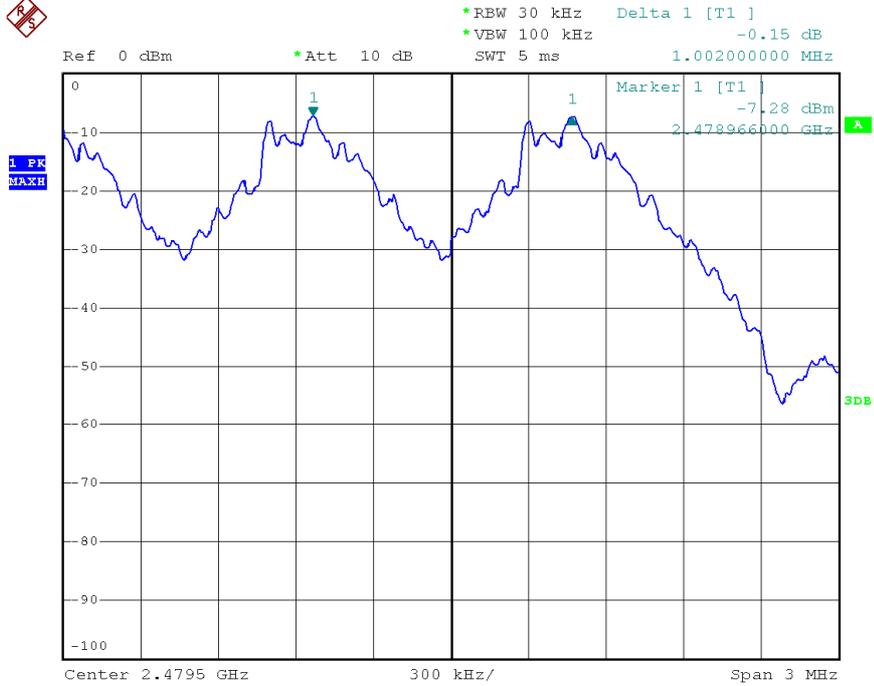
## Test Plot of Frequency Separation

### Low Channel



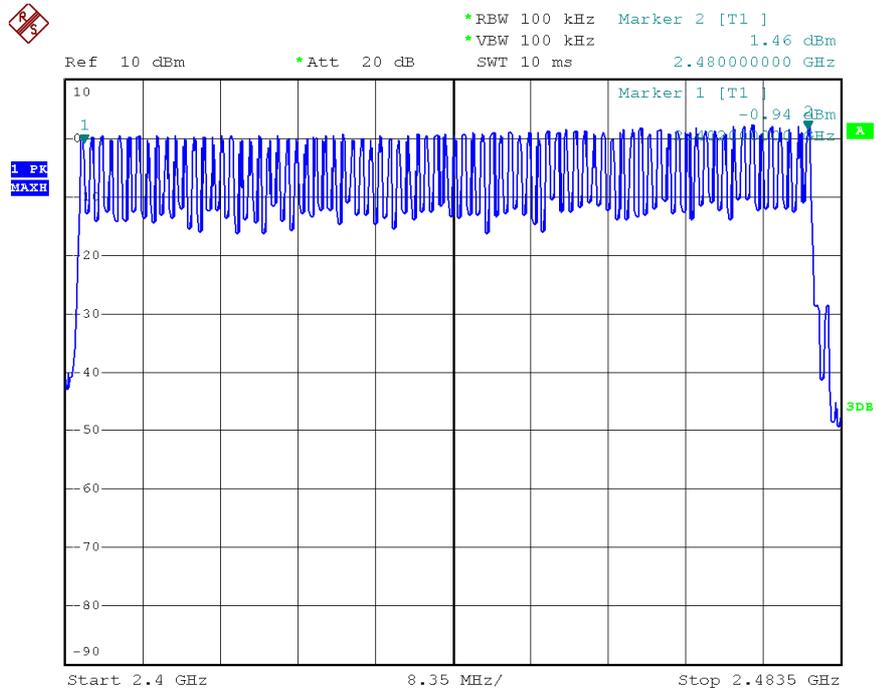
### Middle Channel



**High Channel**




### Test Plot of Number of hopping frequencies



### 5.1.9 Time of Occupancy

**RESULT:**
**Passed**

Date of testing : 2011-03-28  
 Test standard : FCC part 15.247(a)(1)(iii)  
                   : RSS-210 A8.1 (d)  
 Basic standard : ANSI C63.4: 2003  
 Limits : 0.4s  
 Kind of test site : Shield room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A  
 Ambient temperature : 20°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101 kPa

**Table 10: Test result of Time of Occupancy**

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	DH1	0.532	0.170	0.4	Pass
	DH3	1.560	0.250	0.4	Pass
	DH5	3.080	0.329	0.4	Pass
Mid Channel	DH1	0.532	0.170	0.4	Pass
	DH3	1.560	0.250	0.4	Pass
	DH5	3.080	0.329	0.4	Pass
High Channel	DH1	0.532	0.170	0.4	Pass
	DH3	1.560	0.250	0.4	Pass
	DH5	3.080	0.329	0.4	Pass

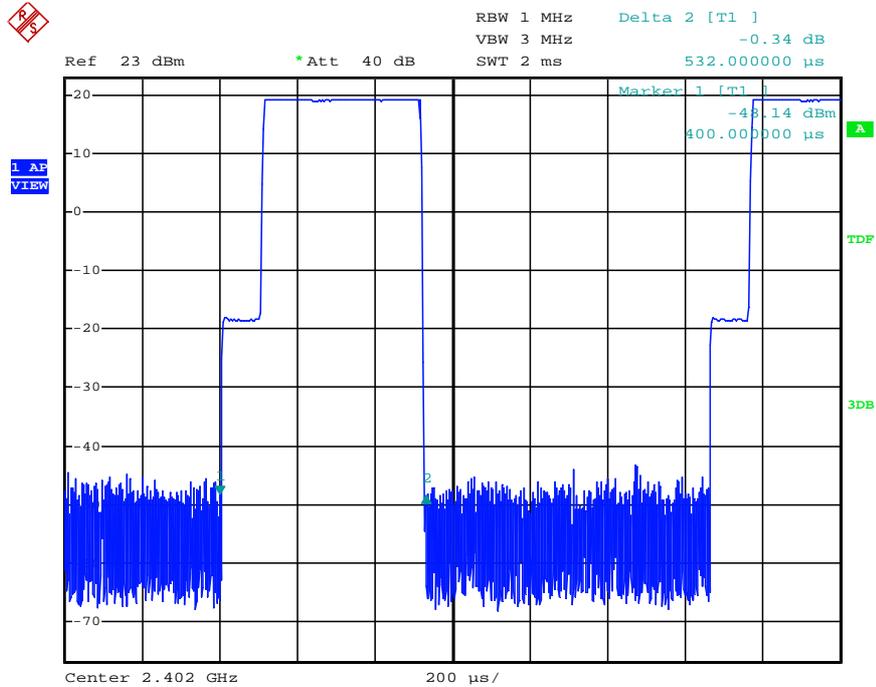
**Note:**

Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

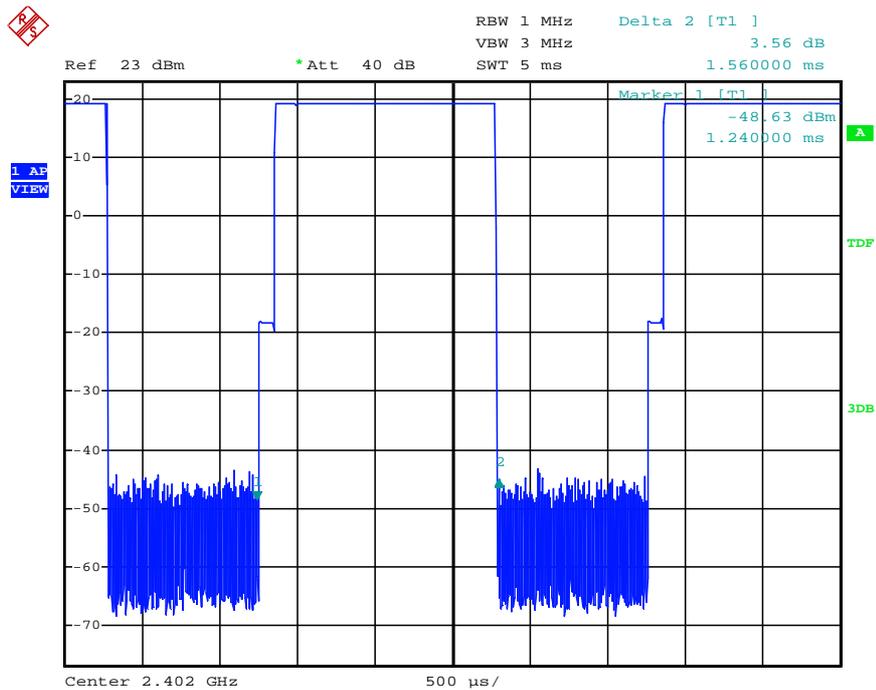
Period = 0.4 (seconds/ channel) x 79 (channel) = 31.6 seconds

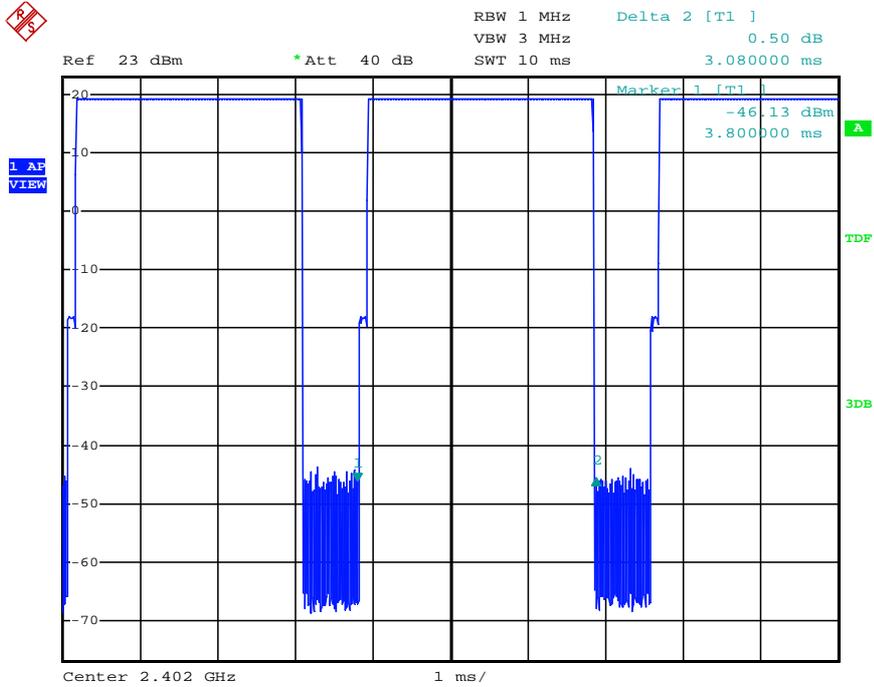
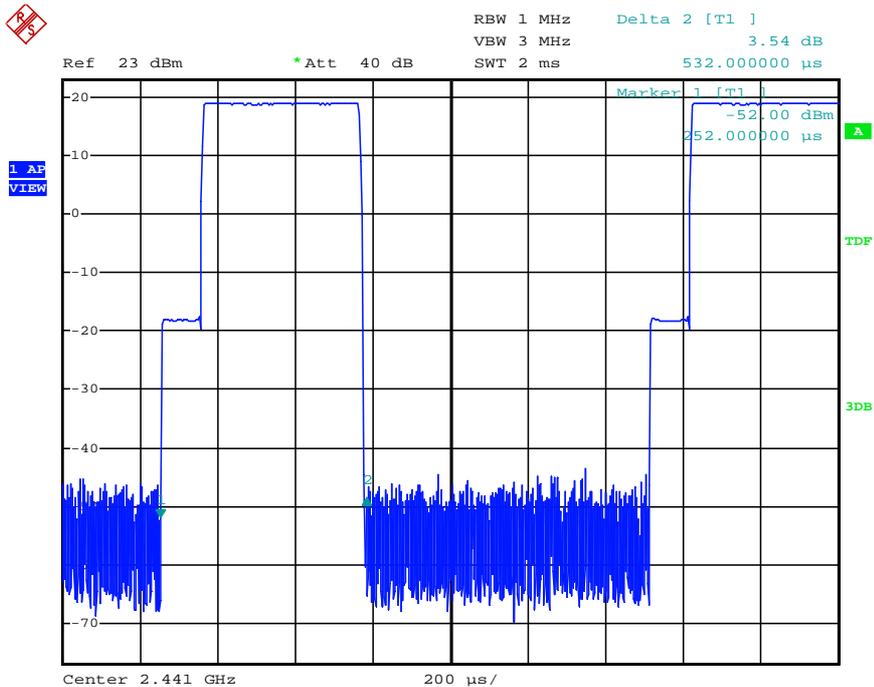
## Test Plot of Time of Occupancy

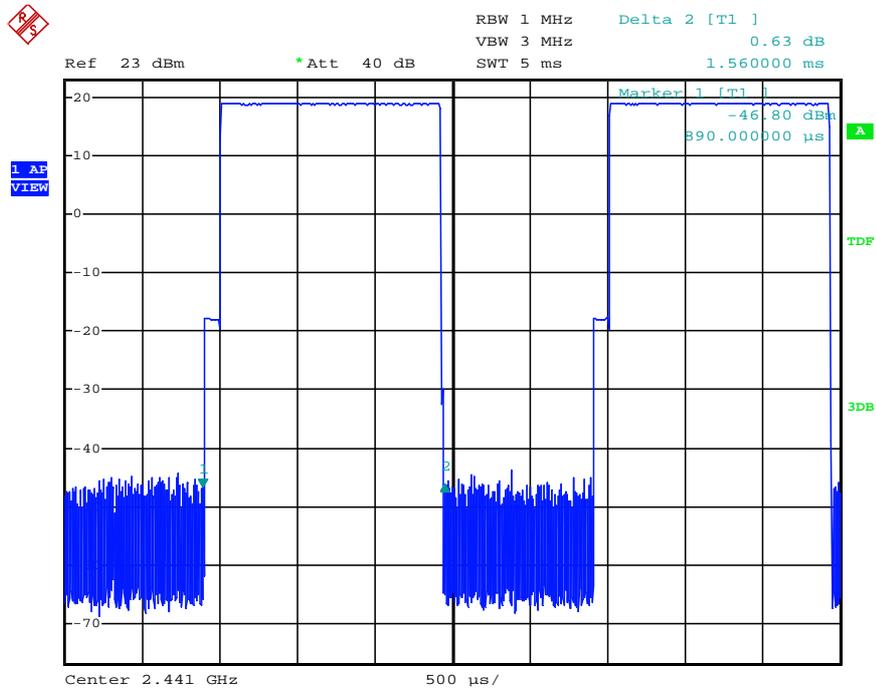
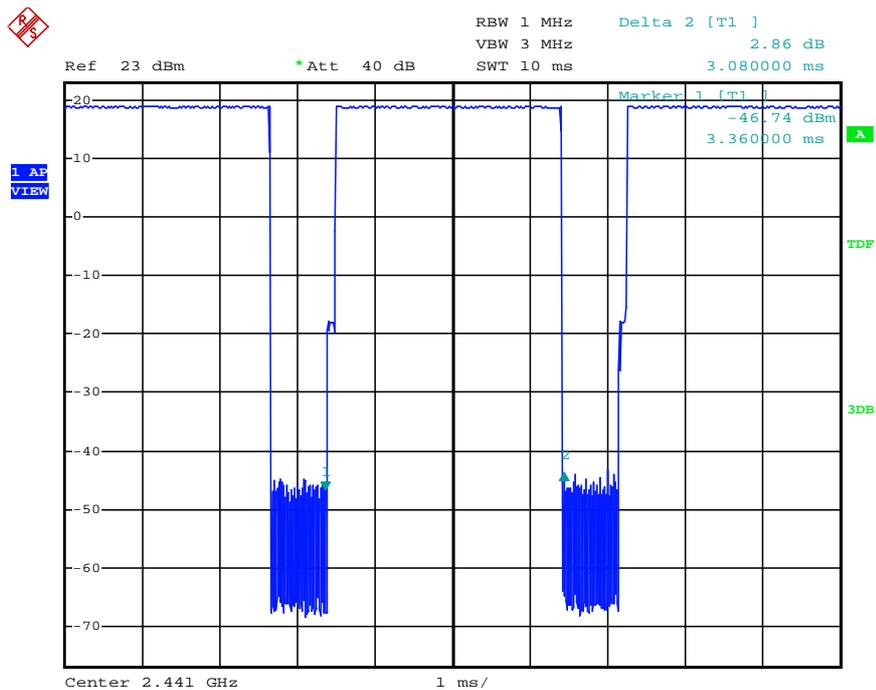
### Low Channel- DH1

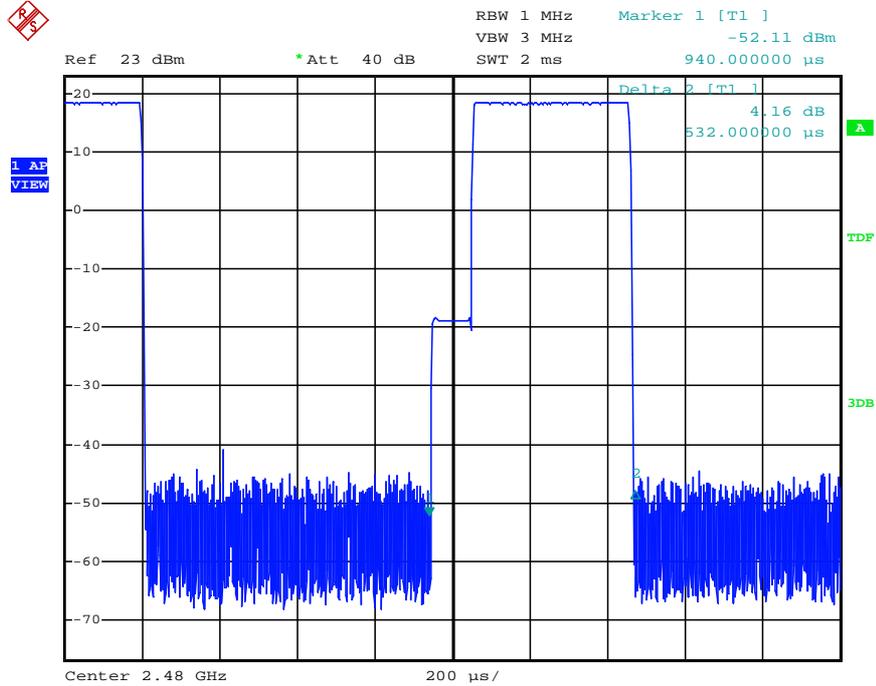
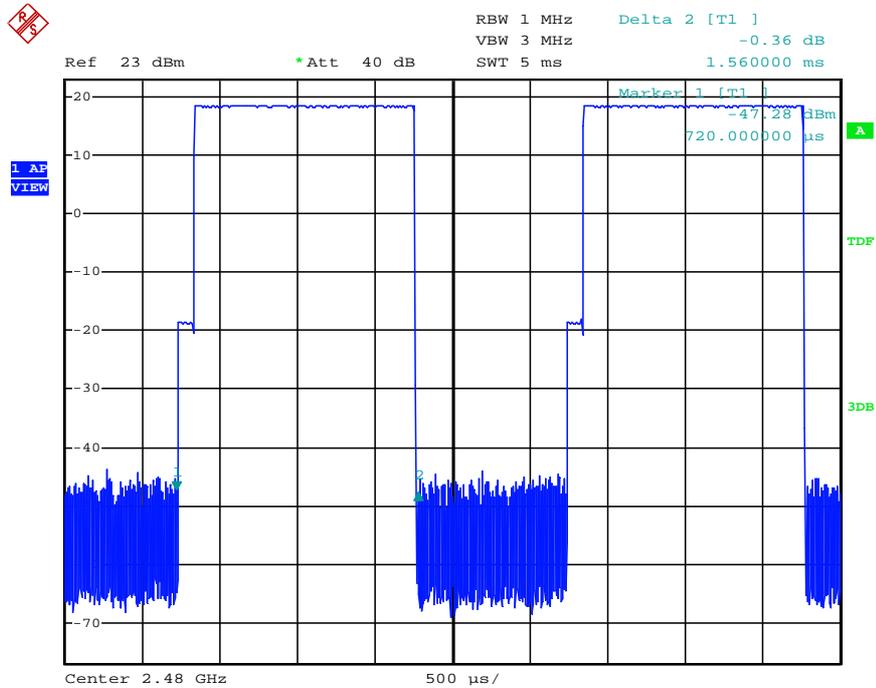


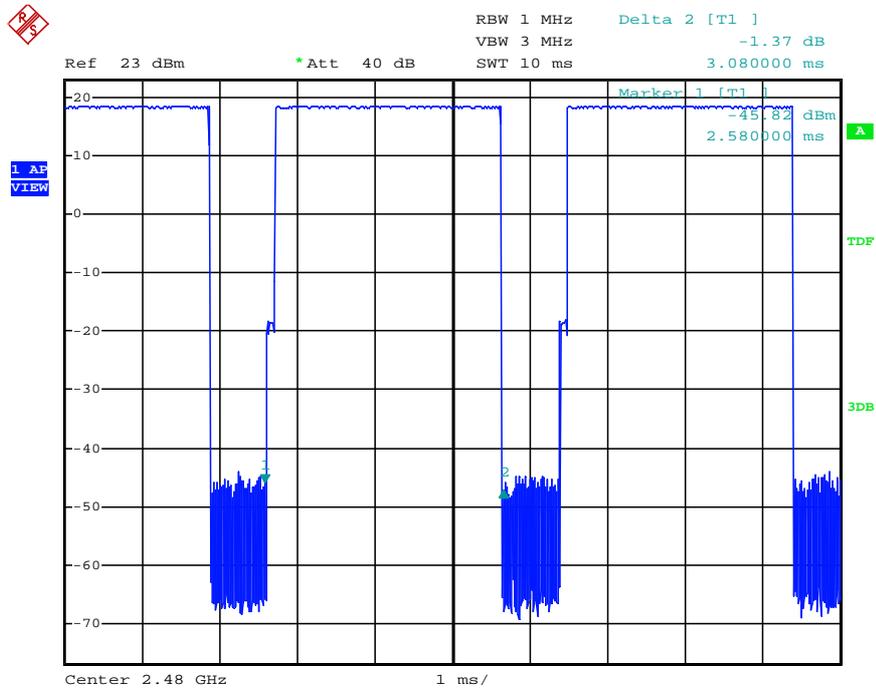
### Low Channel- DH3



**Low Channel- DH5**

**Middle Channel- DH1**


**Middle Channel- DH3**

**Middle Channel- DH5**


**High Channel- DH1**

**High Channel- DH3**


**High Channel- DH5**


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Test Report No.

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### 5.1.10 Conducted emissions

**RESULT:****Passed**

Date of testing : 2011-03-22  
Test standard : FCC Part 15.107(a), FCC Part 15.207(a)  
Basic standard : ANSI C63.4: 2003  
Frequency range : 0.15 – 30MHz  
Limits : FCC Part 15.107(a), FCC Part 15.207(a)  
Kind of test site : Shield room

**Test setup**

Input Voltage (to AC : AC 120V, 60Hz  
input of Adapter)  
Operation Mode : D, E  
Earthing : Not connected  
Ambient temperature : 20°C  
Relative humidity : 50%  
Atmospheric pressure : 101 kPa

For details refer to Appendix 1.

### 5.1.11 Radiated emissions

**RESULT:****Passed**

Date of testing : 2011-08-09  
Test standard : FCC Part 15.109  
RSS-Gen 7.1.4  
Basic standard : ANSI C63.4: 2003  
Test frequency : 30 - 6000MHz  
Limite : FCC Part 15.109(a)  
ICES-003 Issue 4  
Kind of test site : 3m Semi-Anechoic Chamber

**Test Setup**

Input Voltage (to AC input : AC 120V, 60Hz  
of Adapter)  
Operation Mode : D, E  
Earthing : Not connected  
Ambient temperature : 27°C  
Relative humidity : 47%  
Atmospheric pressure : 101 kPa

For details refer to Appendix 1.

The Radiated Emissions testing was performed in the X and Z axis mode. The X Axis mode is the worst-case recorded in this test report.

## 6. Safety Human exposure

### 6.1 Radio Frequency Exposure Compliance

#### 6.1.1 Electromagnetic Fields

**RESULT:****Passed**

Test standard : RSS-102 Issue 4  
FCC KDB Publication 447498

The maximum peak output power of the transmitter is 18.7mW (12.72dBm) only, which less than 20mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 4.

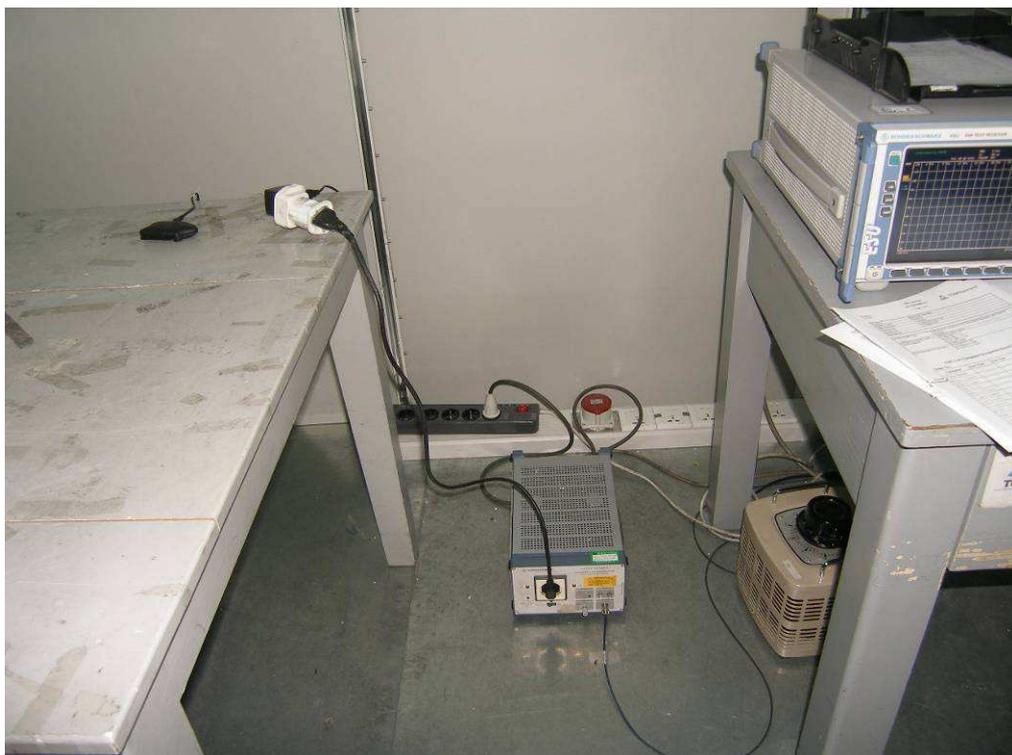
Since maximum peak output power of the transmitter is  $<60/f(\text{GHz})\text{mW}$ , i.e.  $18.7\text{mW} < 25(=60/2.4)\text{mW}$ , hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

## 7. Photographs of the Test Set-Up

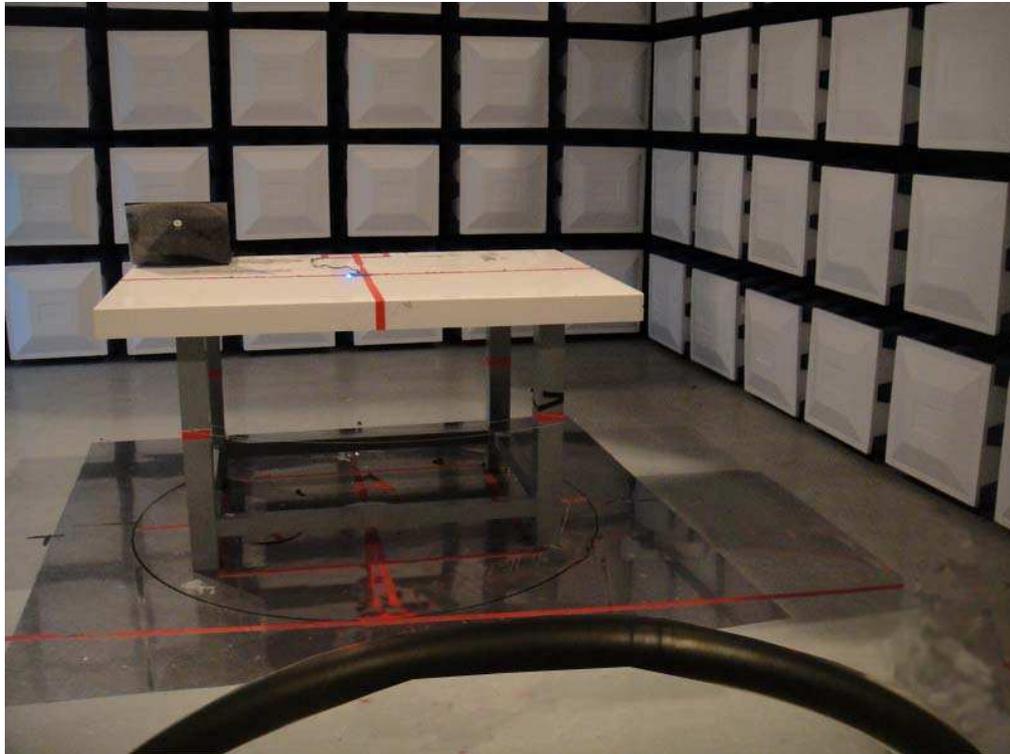
Photograph 1: Set-up for Radiated Emissions



Photograph 2: Set-up for Conducted Emissions



**Photograph 3: Set-up for Spurious Emissions (9kHz-30MHz)**



**Photograph 4: Set-up for Spurious Emissions (30MHz-1GHz)**



**Photograph 5: Set-up for Spurious Emissions (1GHz-26GHz)**



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**Figure 1: Test figure of spurious emissions, mode A.1, Horizontal polarity (9kHz – 30MHz)**

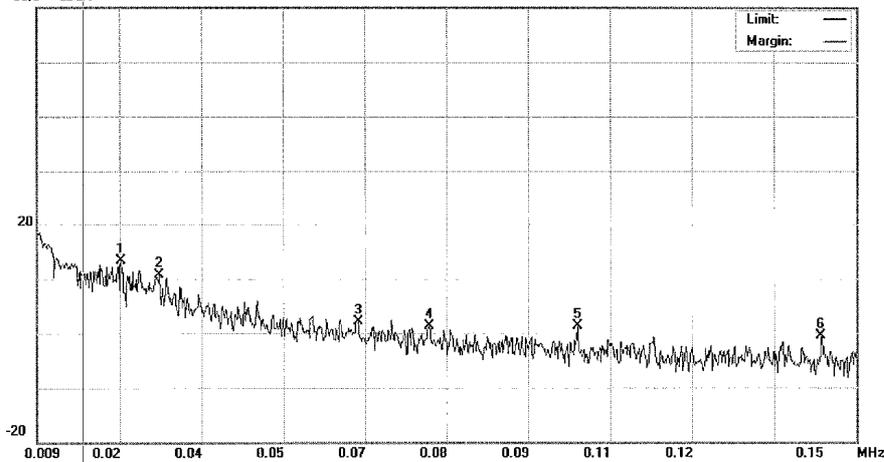


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**Radiated Emission Measurement**

File :RCC c\clock Data :#1 Date: 2011-8-13 Time: 17:37:33  
60.0 dBuA



Site DG-CB03 Polarization: Temperature: 20  
Limit: Power: DC 3.7V Humidity: 53 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: FACE TX 2402MHz

No.	Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measurement dBuA	Limit dBuA	Over dB	Detector	Comment
1	*	0.0234	-10.85	24.08	13.23			peak	
2		0.0300	-12.98	23.67	10.69			peak	
3		0.0643	-20.09	22.11	2.02			peak	
4		0.0765	-20.54	21.87	1.33			peak	
5		0.1021	-20.09	21.37	1.28			peak	
6		0.1440	-21.27	20.70	-0.57			peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :RCC c\clock\Data :#1 Page: 1 Engineer Signature: bin

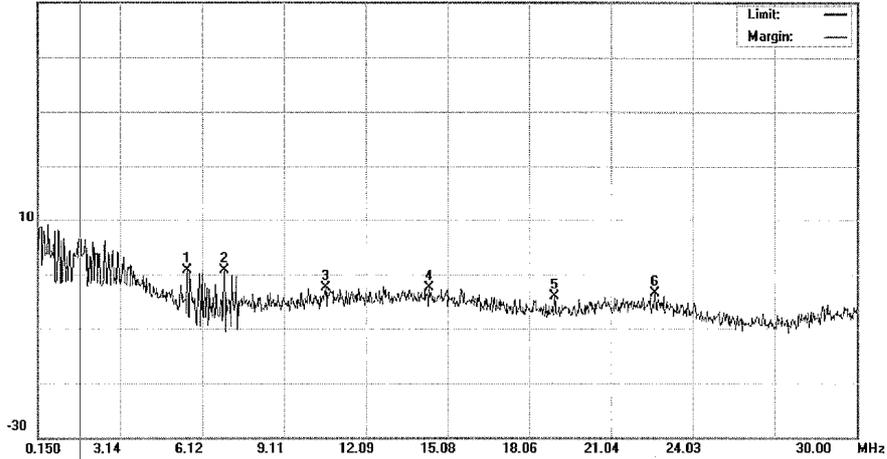


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**Radiated Emission Measurement**

File :RCC clock      Data :#4      Date: 2011-8-13      Time: 17:47:48  
50.0 dBuA



Site DG-CB03      Polarization:      Temperature: 20  
Limit:      Power: DC 3.7V      Humidity: 53 %  
EUT: BTNEXT      Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: FACE TX 2402MHz

No. Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1	5.5827	-17.48	18.15	0.67			peak	
2 *	6.9260	-17.28	18.05	0.77			peak	
3	10.6274	-20.42	17.84	-2.58			peak	
4	14.4183	-20.63	18.07	-2.56			peak	
5	18.9854	-21.63	17.54	-4.09			peak	
6	22.6570	-20.35	16.76	-3.59			peak	

\*:Maximum data    x:Over limit    !:over margin      <Reference Only

File :RCC clock>Data :#4

Page: 1

Engineer Signature: bin

**Figure 2: Test figure of spurious emissions, mode A.1, Vertical polarity (9kHz – 30MHz)**

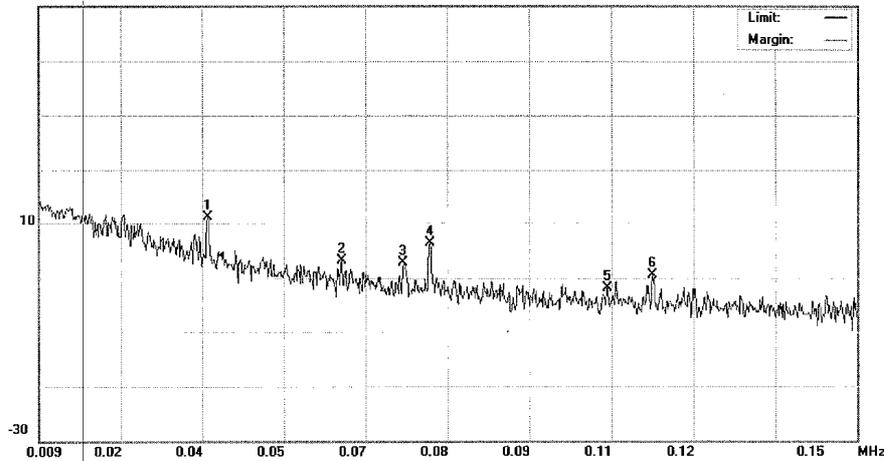


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**Radiated Emission Measurement**

File :RCC clock Data :#2 Date: 2011-8-13 Time: 17:40:02  
50.0 dBuA



Site DG-CB03 Polarization: Temperature: 20  
Limit: Power: DC 3.7V Humidity: 53 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: SIDE TX 2402MHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuA	dB	dBuA	dBuA	dB		
1	*	0.0332	-11.98	23.15	11.17			peak	
2		0.0613	-19.16	22.17	3.01			peak	
3		0.0720	-19.35	21.96	2.61			peak	
4		0.0765	-15.61	21.87	6.26			peak	
5		0.1070	-23.18	21.29	-1.89			peak	
6		0.1147	-20.71	21.16	0.45			peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :RCC clock Data :#2 Page: 1 Engineer Signature: bin

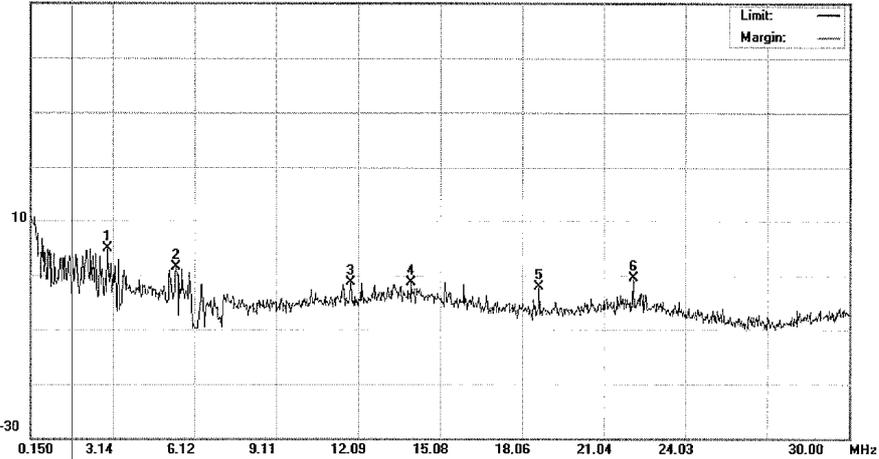


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**Radiated Emission Measurement**

File :RCC clock Data :#3 Date: 2011-8-13 Time: 17:45:23  
50.0 dBuA



Site DG-CB03 Polarization: Temperature: 20  
Limit: Power: DC 3.7V Humidity: 53 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: SIDE TX 2402MHz

No. Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1 *	2.9558	-13.94	18.93	4.99			peak	
2	5.4633	-16.66	18.16	1.50			peak	
3	11.8214	-19.29	17.91	-1.38			peak	
4	14.0303	-19.30	18.04	-1.26			peak	
5	18.6870	-19.76	17.58	-2.18			peak	
6	22.1196	-17.46	16.89	-0.57			peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :RCC clock Data :#3

Page: 1

Engineer Signature: bin

**Figure 3: Test figure of spurious emissions, mode A.1, Horizontal polarity (30MHz – 1GHz)**

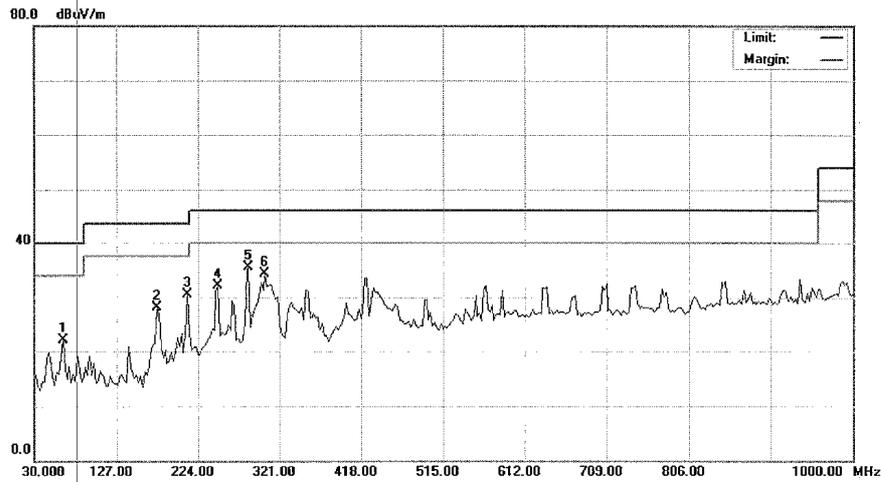


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**Radiated Emission Measurement**

File:FCCP Data:#14 Date: 2011-8-9 Time: 4:24:54



Site DG-CB03 Polarization: **Horizontal** Temperature: 25  
Limit: FCC Class B 3M Radiation Power: DC 3.7V Humidity: 58 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: 2402MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		63.9500	39.74	-17.58	22.16	40.00	-17.84	peak	
2		175.5000	45.21	-17.07	28.14	43.50	-15.36	peak	
3		211.8750	46.77	-16.22	30.55	43.50	-12.95	peak	
4		248.2500	46.67	-14.66	32.01	46.00	-13.99	peak	
5	*	284.6250	47.94	-12.37	35.57	46.00	-10.43	peak	
6		304.0250	46.22	-11.97	34.25	46.00	-11.75	peak	

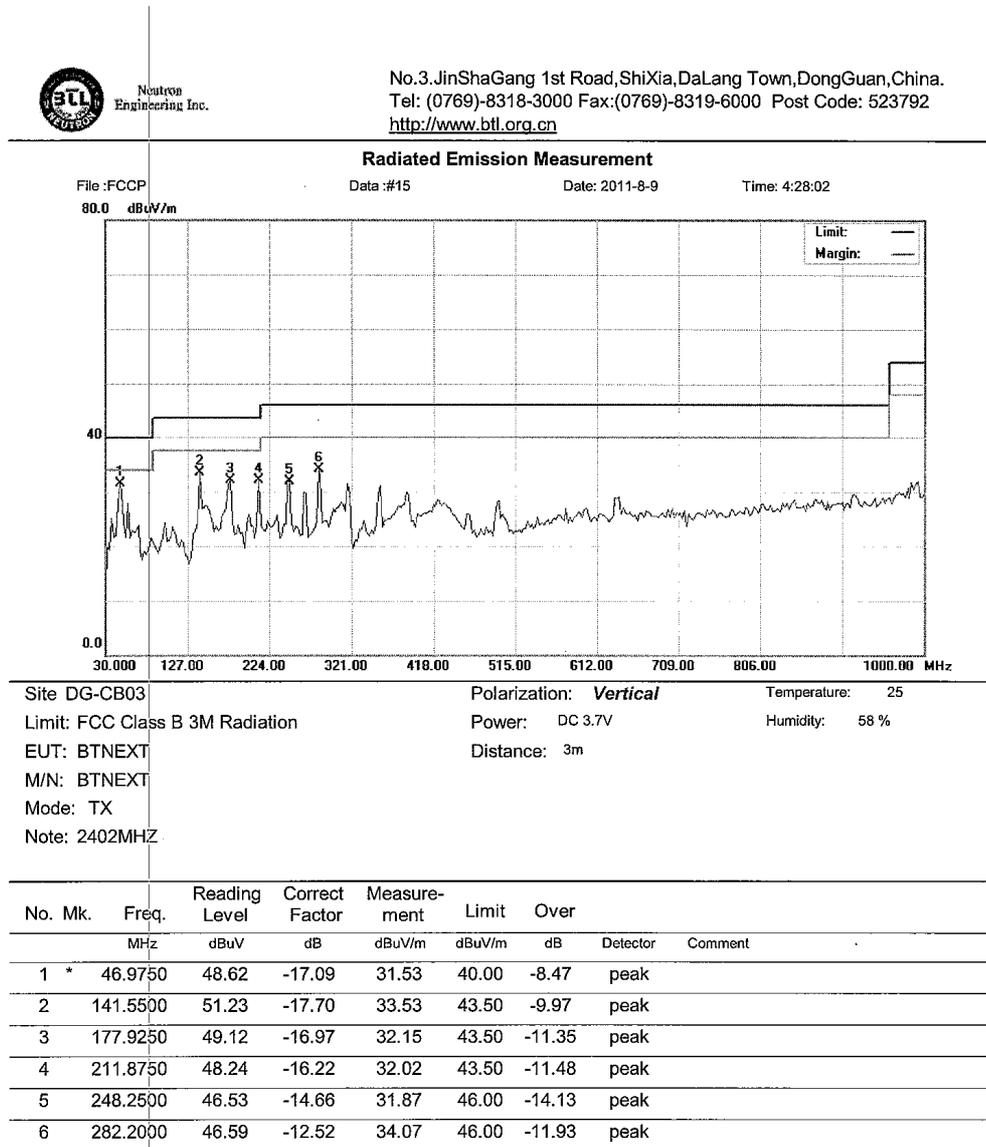
\*:Maximum data x:Over limit !:over margin (Reference Only)

File :FCCP\Data :#14

Page: 1

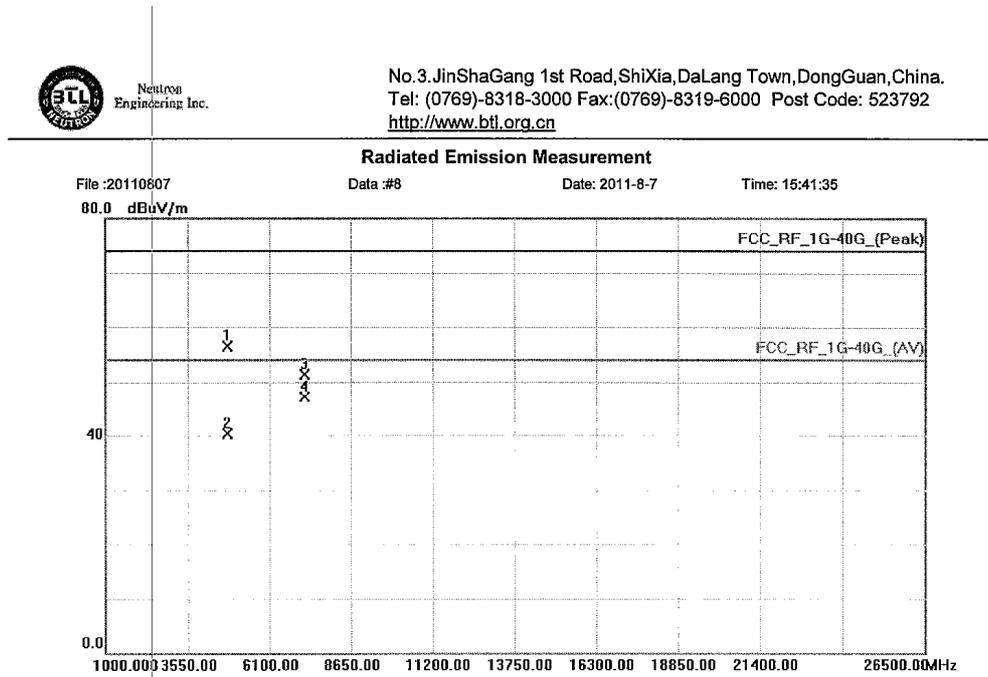
Engineer Signature: Susan

**Figure 4: Test figure of spurious emissions, mode A.1, Vertical polarity (30MHz – 1GHz)**



\*:Maximum data    x:Over limit    !:over margin      <Reference Only

**Figure 5: Test figure of spurious emissions, mode A.1, Horizontal polarity (1GHz – 26GHz)**



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**Radiated Emission Measurement**

File :20110807 Data :#8 Date: 2011-8-7 Time: 15:41:35

Site DG-CB03

Limit: FCC\_RF\_1G-40G\_(Peak)

EUT: BTNEXT

M/N: BTNEXT

Mode: TX

Note: 2402MHZ

Polarization: **Horizontal**

Temperature: 25

Power: AC 120V/60Hz

Humidity: 58 %

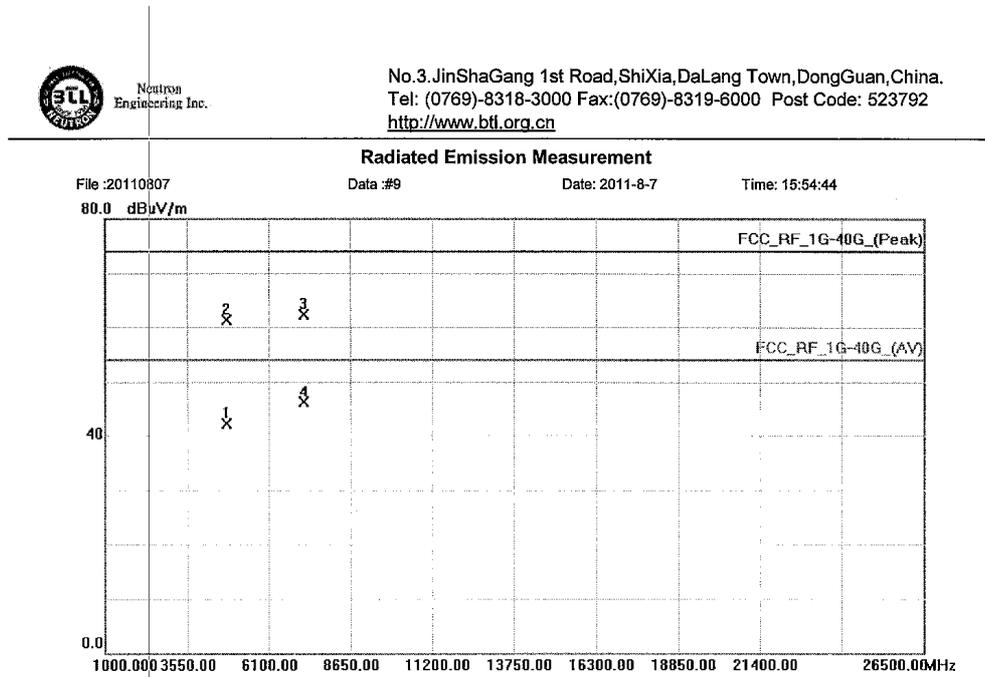
Distance: 3m

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	4804.000	51.40	5.17	56.57	74.00	-17.43	peak	
2	4804.000	35.20	5.17	40.37	54.00	-13.63	AVG	
3	7205.400	39.51	11.77	51.28	74.00	-22.72	peak	
4 *	7206.100	35.26	11.77	47.03	54.00	-6.97	AVG	

\*:Maximum data x:Over limit !:over margin

<Reference Only

**Figure 6: Test figure of spurious emissions, mode A.1, Vertical polarity (1GHz – 12.75GHz)**



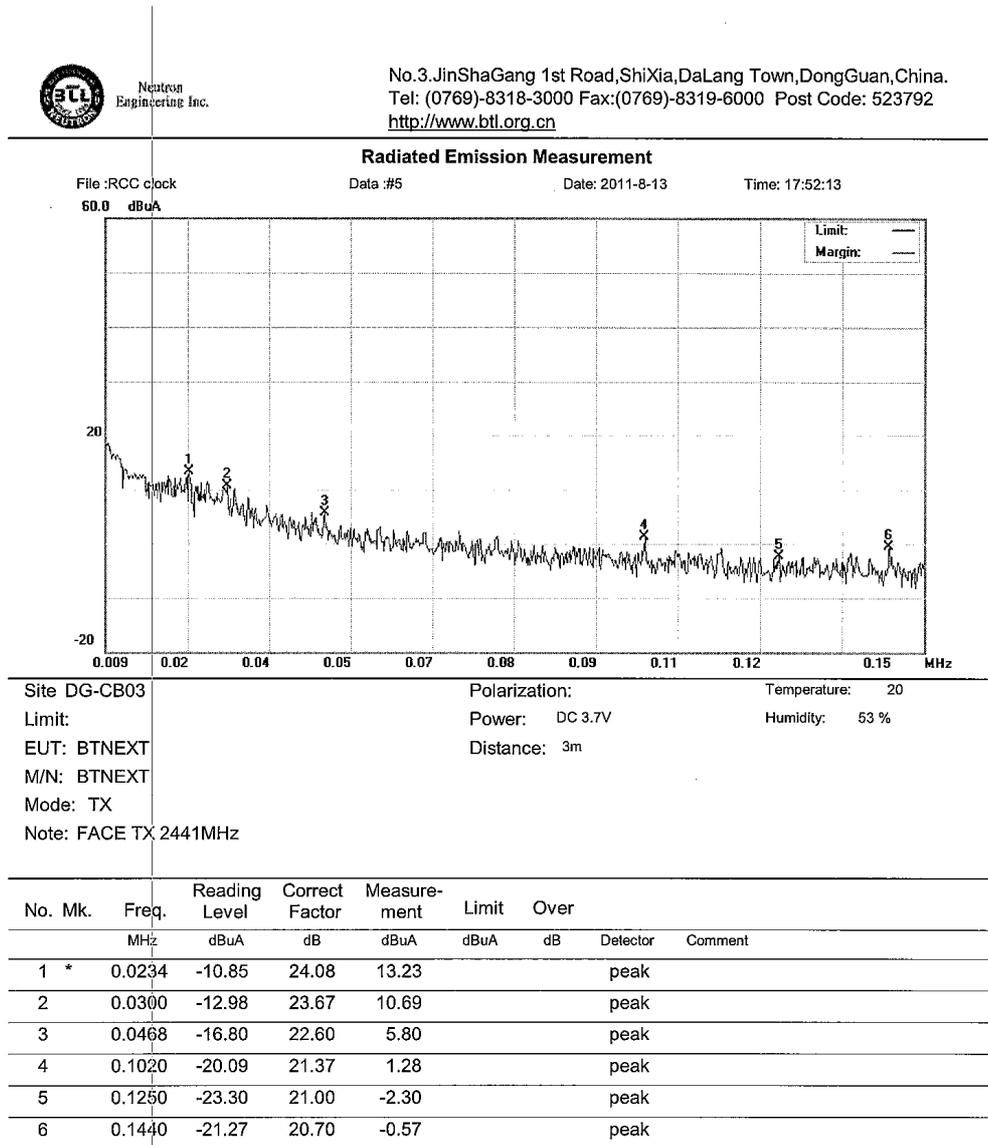
File :20110807 Data :#9 Date: 2011-8-7 Time: 15:54:44

Site DG-CB03 Polarization: **Vertical** Temperature: 25  
 Limit: FCC\_RF\_1G-40G\_(Peak) Power: AC 120V/60Hz Humidity: 58 %  
 EUT: BTNEXT Distance: 3m  
 M/N: BTNEXT  
 Mode: TX  
 Note: 2402MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4804.000	36.90	5.17	42.07	54.00	-11.93	AVG	
2		4804.300	56.14	5.18	61.32	74.00	-12.68	peak	
3		7205.500	50.48	11.77	62.25	74.00	-11.75	peak	
4	*	7206.000	34.33	11.77	46.10	54.00	-7.90	AVG	

\*:Maximum data x:Over limit !:over margin (Reference Only)

**Figure 7: Test figure of spurious emissions, mode A.2, Horizontal polarity (9kHz – 30MHz)**



\*:Maximum data    x:Over limit    !:over margin      (Reference Only)

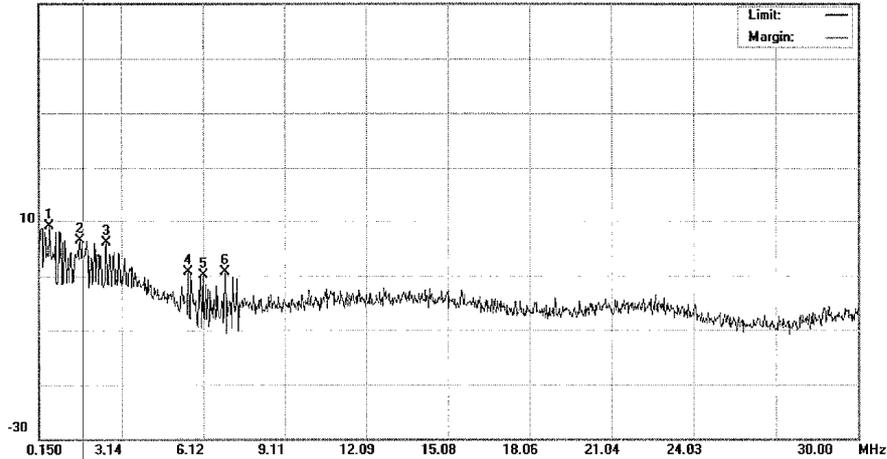


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**Radiated Emission Measurement**

File :RCC clock Data :#8 Date: 2011-8-13 Time: 18:27:41  
50.0 dBuA



Site DG-CB03 Polarization: Temperature: 20  
Limit: Power: DC 3.7V Humidity: 53 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: FACE TX 2441MHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuA	dB	dBuA	dBuA	dB		
1	*	0.5381	-10.79	19.92	9.13			peak	
2		1.6425	-12.97	19.54	6.57			peak	
3		2.5977	-12.95	19.14	6.19			peak	
4		5.5825	-17.48	18.15	0.67			peak	
5		6.1200	-18.05	18.11	0.06			peak	
6		6.9260	-17.28	18.05	0.77			peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :RCC clock Data :#8 Page: 1 Engineer Signature: bin

**Figure 8: Test figure of spurious emissions, mode A.2, Vertical polarity (9kHz – 30MHz)**

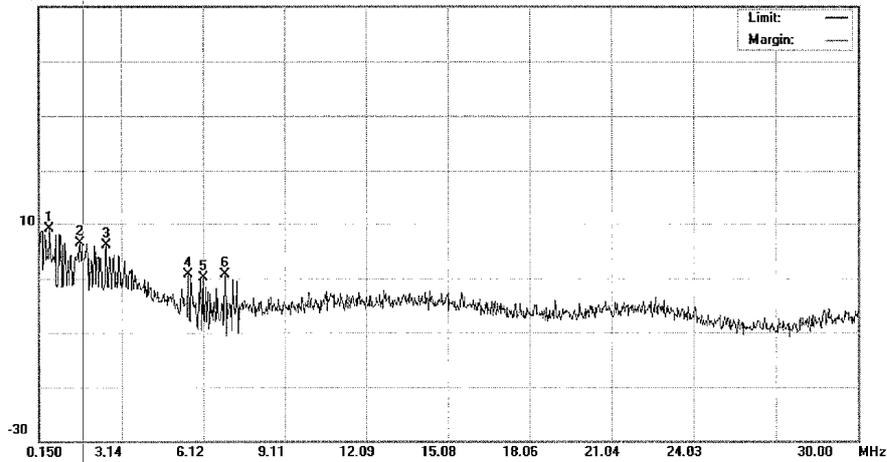


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**Radiated Emission Measurement**

File :RCC clock Data :#8 Date: 2011-8-13 Time: 18:27:41  
50.0 dBuA



Site DG-CB03 Polarization: Temperature: 20  
Limit: Power: DC 3.7V Humidity: 53 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: FACE TX 2441MHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuA	dB	dBuA	dBuA	dB		
1	*	0.5381	-10.79	19.92	9.13			peak	
2		1.6425	-12.97	19.54	6.57			peak	
3		2.5977	-12.95	19.14	6.19			peak	
4		5.5825	-17.48	18.15	0.67			peak	
5		6.1200	-18.05	18.11	0.06			peak	
6		6.9260	-17.28	18.05	0.77			peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :RCC clock Data :#8 Page: 1 Engineer Signature: bin

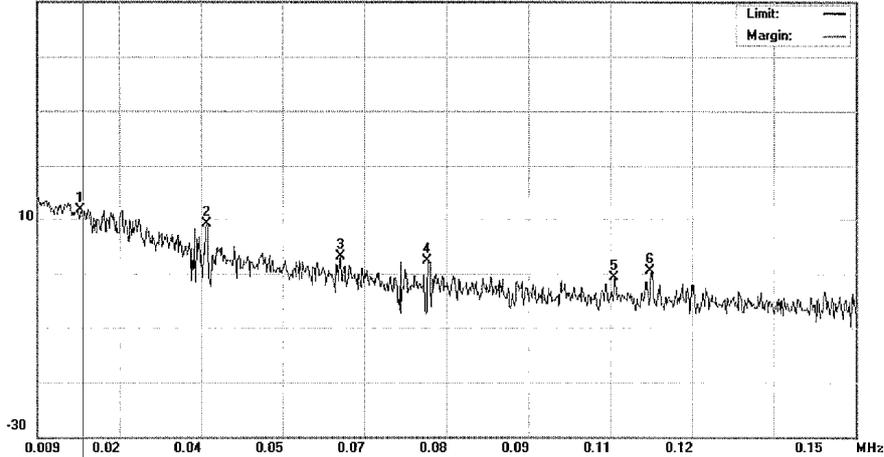


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**Radiated Emission Measurement**

File :RCC clock Data :#6 Date: 2011-8-13 Time: 17:58:22  
50.0 dBuA



Site DG-CB03  
Limit:  
EUT: BTNEXT  
M/N: BTNEXT  
Mode: TX  
Note: SIDE TX 2441MHz

Polarization: Temperature: 20  
Power: DC 3.7V Humidity: 53 %  
Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1	*	0.0165	11.71	0.00	11.71			peak	
2		0.0381	-13.98	23.15	9.17			peak	
3		0.0613	-19.16	22.17	3.01			peak	
4		0.0763	-19.61	21.87	2.26			peak	
5		0.1082	-21.92	21.27	-0.65			peak	
6		0.1145	-20.72	21.17	0.45			peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

**Figure 9: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz)**

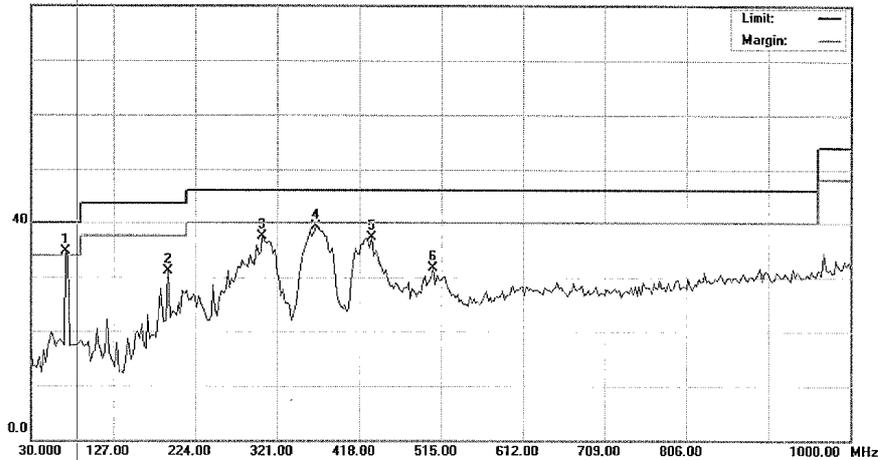


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**Radiated Emission Measurement**

File: BTNEXT Data: #4 Date: 2011-5-29 Time: 12:03:42  
80.0 dBuV/m



Site DG-CB08 Polarization: **Horizontal** Temperature: 25  
Limit: FCC Class B 3M Radiation Power: DC 5V Humidity: 58 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: TX MODE 2441MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	71.2250	53.13	-18.46	34.67	40.00	-5.33	peak	
2		192.4750	47.70	-16.69	31.01	43.50	-12.49	peak	
3		304.0250	49.57	-11.97	37.60	46.00	-8.40	peak	
4		367.0750	49.44	-10.21	39.23	46.00	-6.77	peak	
5		432.5500	45.67	-8.43	37.24	46.00	-8.76	peak	
6		505.3000	38.93	-7.16	31.77	46.00	-14.23	peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File: BTNEXT\Data: #4 Page: 1 Engineer Signature: JEFF

**Figure 10: Test figure of spurious emissions, mode A.2, Vertical polarity (30MHz – 1GHz)**

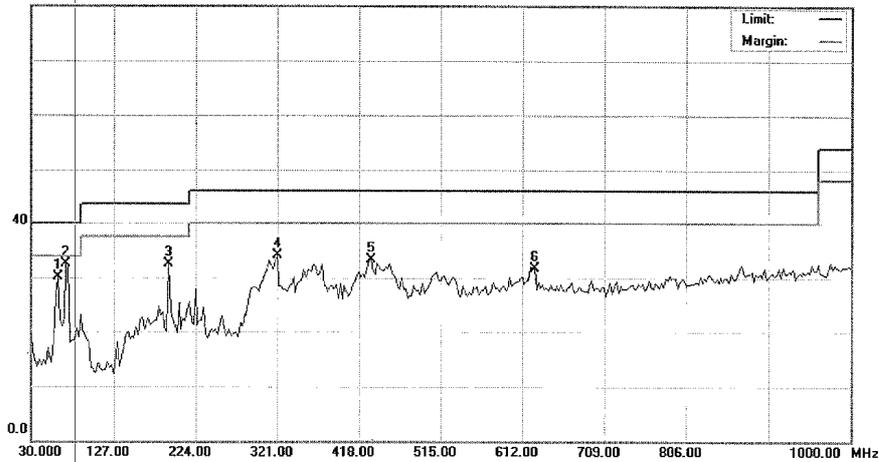


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**Radiated Emission Measurement**

File :BTNEXT Data :#5 Date: 2011-5-29 Time: 12:05:11  
80.0 dBuV/m



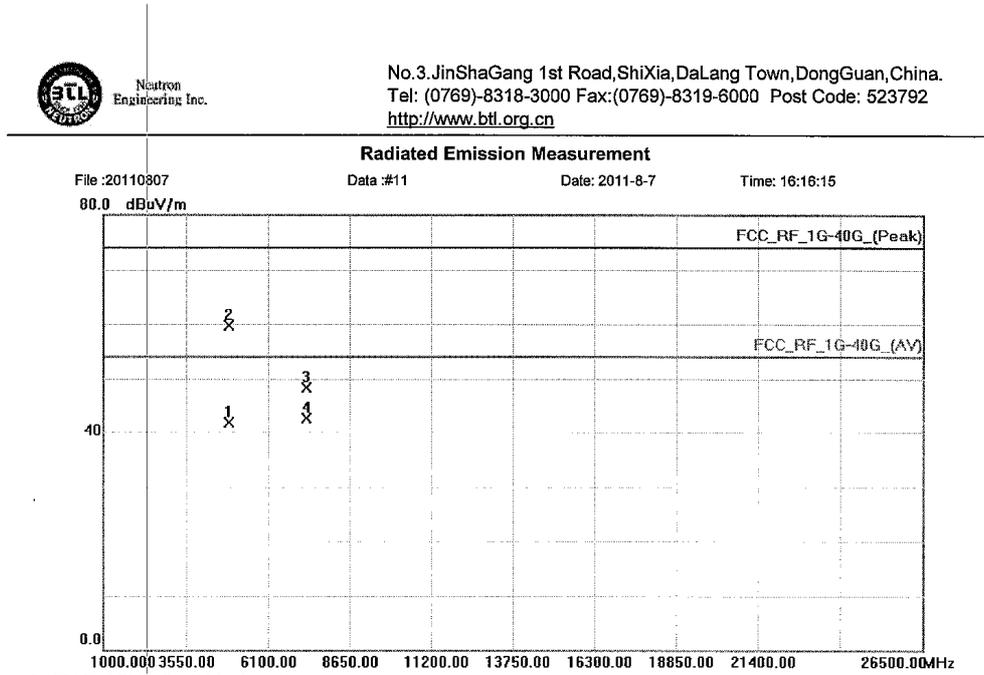
Site DG-CB08 Polarization: **Vertical** Temperature: 25  
Limit: FCC Class B 3M Radiation Power: DC 5V Humidity: 58 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: TX MODE 2441MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		61.5250	47.63	-17.51	30.12	40.00	-9.88	peak	
2	*	71.2250	51.00	-18.46	32.54	40.00	-7.46	peak	
3		192.4750	49.10	-16.69	32.41	43.50	-11.09	peak	
4		321.0000	45.70	-11.55	34.15	46.00	-11.85	peak	
5		432.5500	41.70	-8.43	33.27	46.00	-12.73	peak	
6		626.5500	35.42	-3.77	31.65	46.00	-14.35	peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :BTNEXT Data :#5 Page: 1 Engineer Signature: JEFF

**Figure 11: Test figure of spurious emissions, mode A.2, Horizontal polarity (1GHz – 26GHz)**

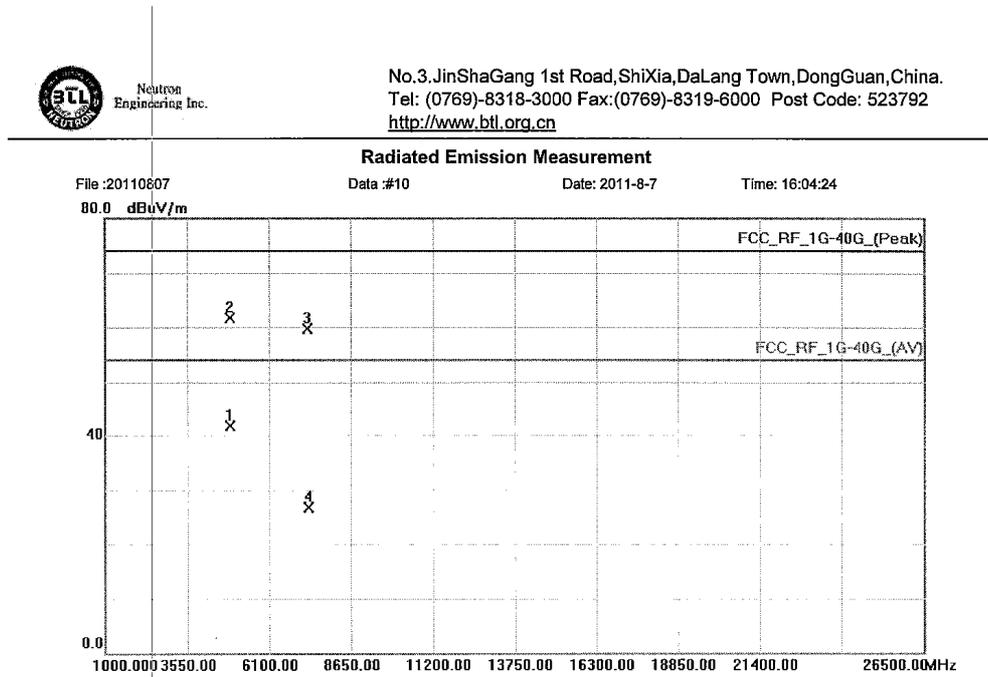


Site DG-CB03 Polarization: **Horizontal** Temperature: 25  
 Limit: FCC\_RF\_1G-40G\_(Peak) Power: AC 120V/60Hz Humidity: 58 %  
 EUT: BTNEXT Distance: 3m  
 M/N: BTNEXT  
 Mode: TX  
 Note: 2441MHZ

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	4882.000	36.13	5.56	41.69	54.00	-12.31	AVG	
2	4882.100	54.18	5.56	59.74	74.00	-14.26	peak	
3	7322.300	36.75	11.60	48.35	74.00	-25.65	peak	
4 *	7323.000	30.94	11.60	42.54	54.00	-11.46	AVG	

\*:Maximum data x:Over limit !:over margin (Reference Only)

**Figure 12: Test figure of spurious emissions, mode A.2, Vertical polarity (1GHz – 26GHz)**



File :20110807 Data :#10 Date: 2011-8-7 Time: 16:04:24

Site DG-CB03 Polarization: **Vertical** Temperature: 25  
 Limit: FCC\_RF\_1G-40G\_(Peak) Power: AC 120V/60Hz Humidity: 58 %  
 EUT: BTNEXT Distance: 3m  
 M/N: BTNEXT  
 Mode: TX  
 Note: 2441MHZ

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	4882.000	36.09	5.56	41.65	54.00	-12.35	AVG	
2 *	4882.400	56.14	5.56	61.70	74.00	-12.30	peak	
3	7322.800	48.13	11.60	59.73	74.00	-14.27	peak	
4	7325.800	15.16	11.59	26.75	54.00	-27.25	AVG	

\*:Maximum data x:Over limit !:over margin (Reference Only)

**Figure 13: Test figure of spurious emissions, mode A.3, Horizontal polarity (9kHz – 30MHz)**

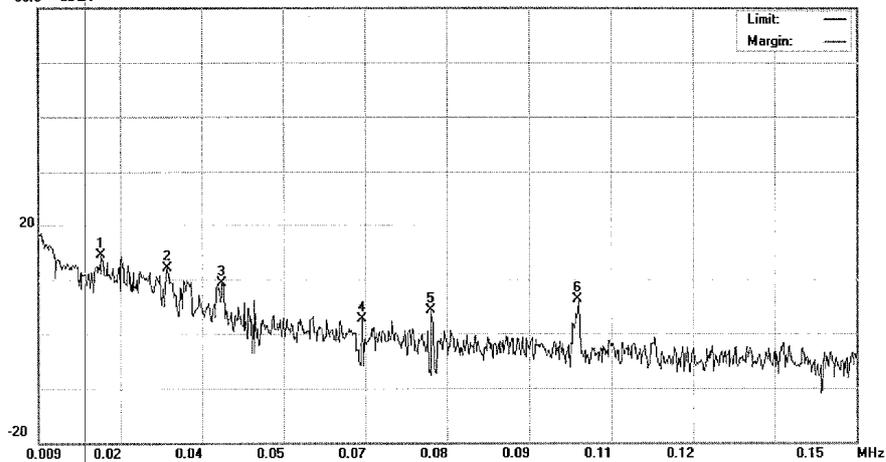


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**Radiated Emission Measurement**

File :RCC clock Data :#9 Date: 2011-8-13 Time: 18:33:12  
60.0 dBuA



Site DG-CB03 Polarization: Temperature: 20  
Limit: Power: DC 3.7V Humidity: 53 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: FACE TX 2480MHz

No.	Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1	*	0.0200	-9.73	24.30	14.57				peak
2		0.0313	-11.49	23.58	12.09				peak
3		0.0407	-13.70	22.99	9.29				peak
4		0.0650	-19.40	22.10	2.70				peak
5		0.0767	-17.58	21.87	4.29				peak
6		0.1020	-15.09	21.37	6.28				peak

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :RCC clock Data :#9 Page: 1 Engineer Signature: bin

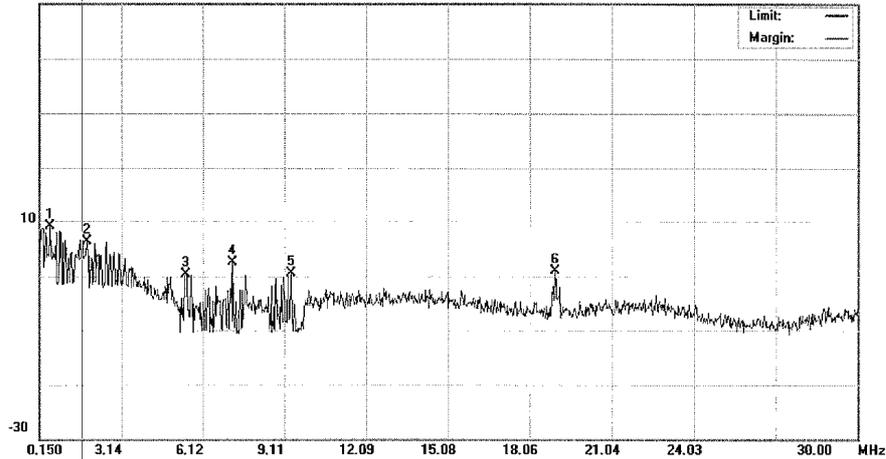


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**Radiated Emission Measurement**

File :RCC clock Data :#12 Date: 2011-8-13 Time: 19:07:41  
50.0 dBuA



Site DG-CB03 Polarization: Temperature: 20  
Limit: Power: DC 3.7V Humidity: 53 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: FACE TX 2480MHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuA	dB	dBuA	dBuA	dB		
1	*	0.5381	-10.79	19.92	9.13			peak	
2		1.8810	-13.29	19.51	6.22			peak	
3		5.4931	-17.93	18.16	0.23			peak	
4		7.2244	-15.57	18.02	2.45			peak	
5		9.3437	-17.32	17.85	0.53			peak	
6		18.9850	-16.62	17.54	0.92			peak	

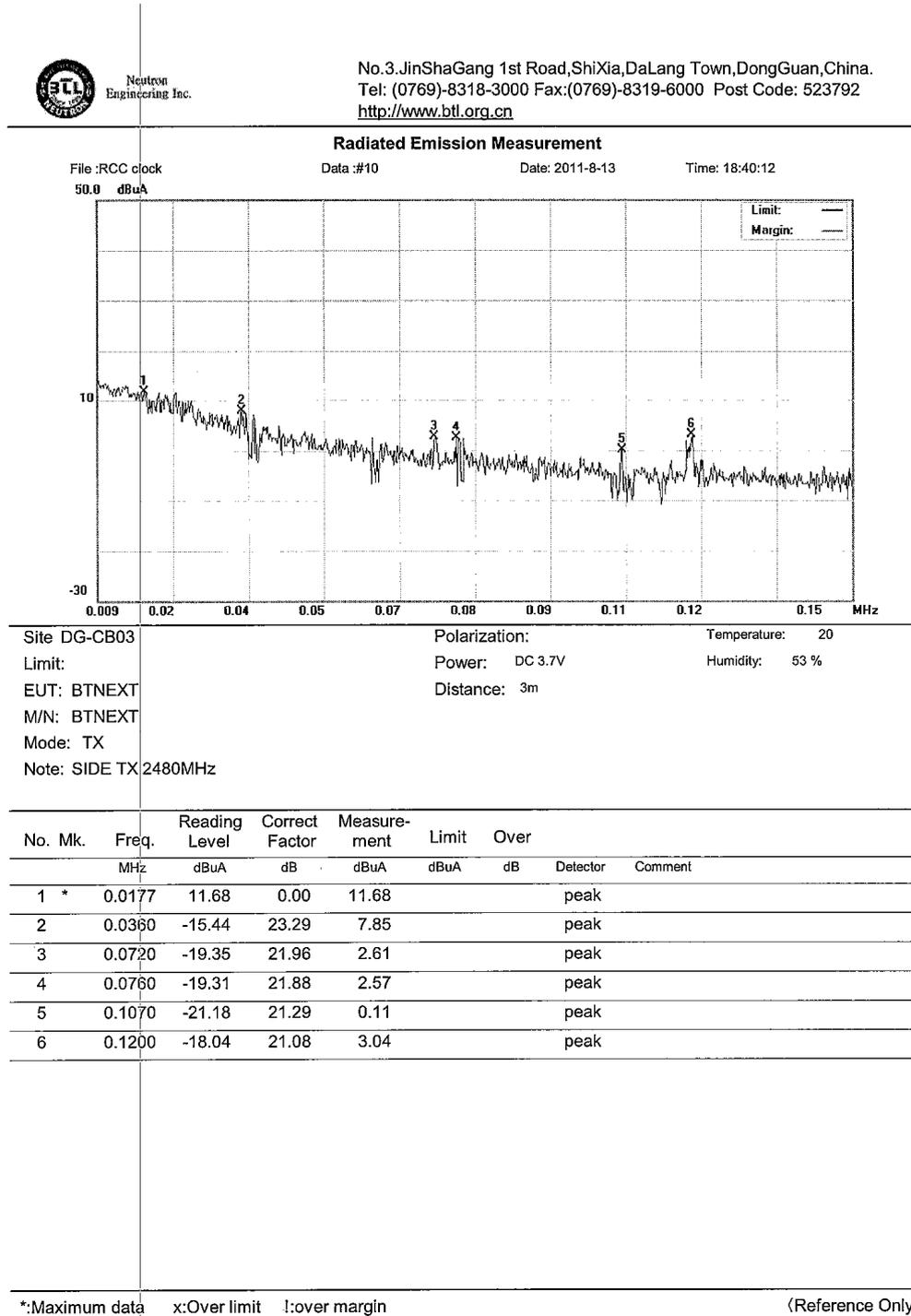
\*:Maximum data x:Over limit !:over margin (Reference Only)

File :RCC clock Data :#12

Page: 1

Engineer Signature: bin

**Figure 14: Test figure of spurious emissions, mode A.3, Vertical polarity (9kHz – 30MHz)**



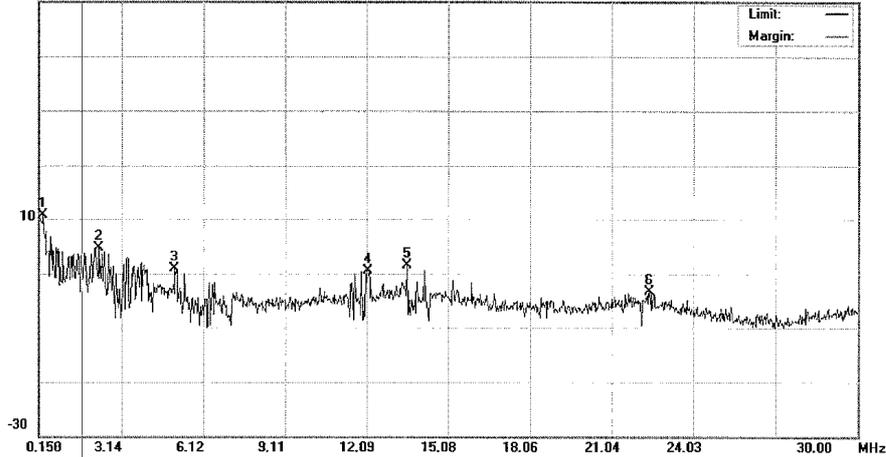


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**Radiated Emission Measurement**

File :RCC clock Data :#11 Date: 2011-8-13 Time: 18:55:22  
50.0 dBuA



Site DG-CB03 Polarization: Temperature: 20  
Limit: Power: DC 3.7V Humidity: 53 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: SIDE TX 2480MHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuA	dB	dBuA	dBuA	dB		
1	*	0.2993	-9.62	20.28	10.66			peak	
2		2.3290	-14.67	19.30	4.63			peak	
3		5.0753	-17.33	18.19	0.86			peak	
4		12.1493	-17.36	17.93	0.57			peak	
5		13.5823	-16.45	18.01	1.56			peak	
6		22.4180	-20.03	16.82	-3.21			peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :RCC clock>Data :#11

Page: 1

Engineer Signature: bin

**Figure 15: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz)**

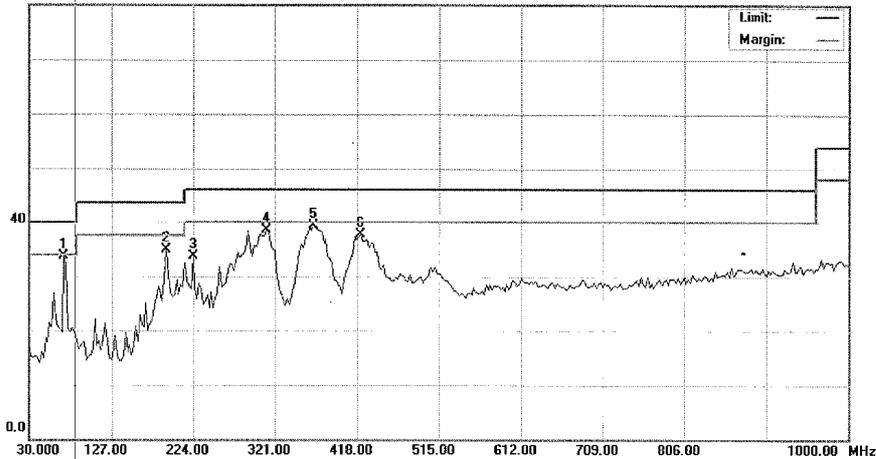


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**Radiated Emission Measurement**

File :BTNEXT Data :#7 Date: 2011-5-29 Time: 12:06:51  
80.0 dBuV/m



Site DG-CB08 Polarization: **Horizontal** Temperature: 25  
Limit: FCC Class B 3M Radiation Power: DC 5V Humidity: 58 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: TX MODE 2480MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	71.2250	52.26	-18.46	33.80	40.00	-6.20	peak	
2		192.4750	51.58	-16.69	34.89	43.50	-8.61	peak	
3		224.0000	49.56	-15.76	33.80	46.00	-12.20	peak	
4		311.3000	50.20	-11.79	38.41	46.00	-7.59	peak	
5		367.0750	49.44	-10.21	39.23	46.00	-6.77	peak	
6		422.8500	46.22	-8.61	37.61	46.00	-8.39	peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :BTNEXT\Data :#7 Page: 1 Engineer Signature: JEFF

**Figure 16: Test figure of spurious emissions, mode A.3, Vertical polarity (30MHz – 1GHz)**

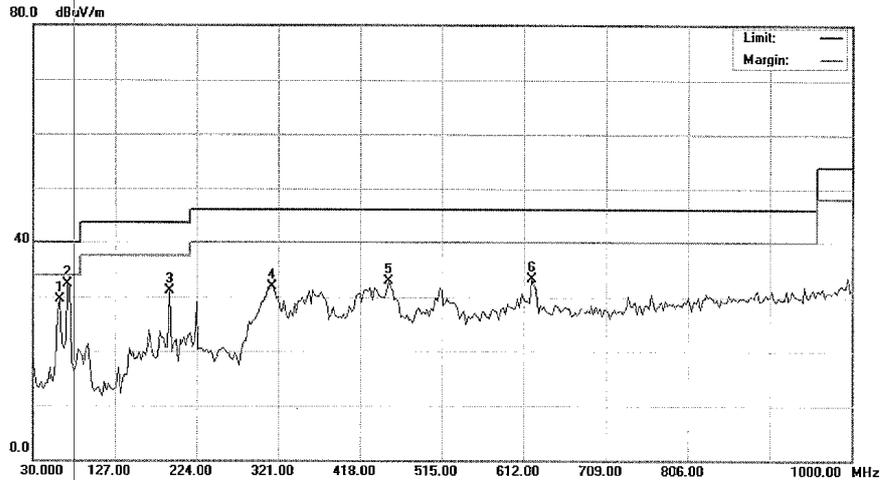


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**Radiated Emission Measurement**

File :BTNEXT Data :#6 Date: 2011-5-29 Time: 12:05:54



Site DG-CB08 Polarization: **Vertical** Temperature: 25  
 Limit: FCC Class B 3M Radiation Power: DC 5V Humidity: 58 %  
 EUT: BTNEXT Distance: 3m  
 M/N: BTNEXT  
 Mode: TX  
 Note: TX MODE 2480MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		61.5250	46.93	-17.51	29.42	40.00	-10.58	peak	
2	*	71.2250	50.81	-18.46	32.35	40.00	-7.65	peak	
3		192.4750	47.84	-16.69	31.15	43.50	-12.35	peak	
4		313.7250	43.62	-11.74	31.88	46.00	-14.12	peak	
5		451.9500	40.98	-8.08	32.90	46.00	-13.10	peak	
6		621.7000	37.12	-3.86	33.26	46.00	-12.74	peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :BTNEXT Data :#6 Page: 1 Engineer Signature: JEFF

**Figure 17: Test figure of spurious emissions, mode A.3, Horizontal polarity (1GHz – 26GHz)**

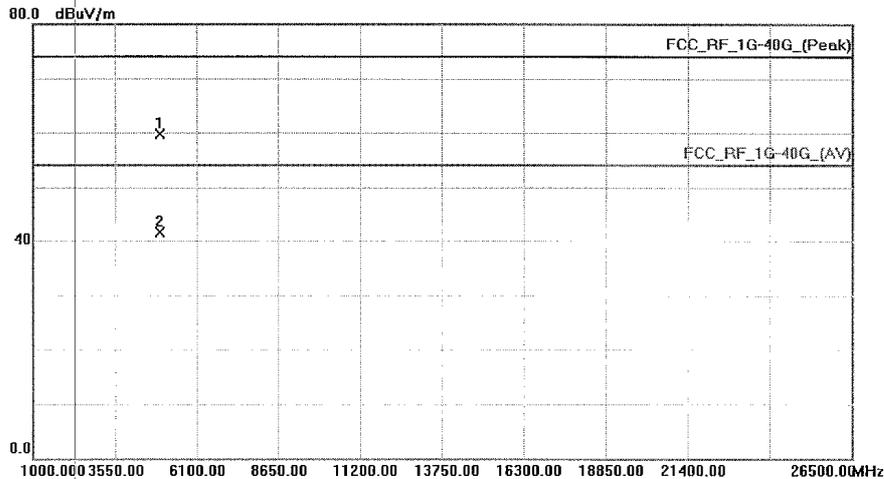


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**Radiated Emission Measurement**

File :20110807 Data :#12 Date: 2011-8-7 Time: 16:23:25



Site DG-CB03 Polarization: **Horizontal** Temperature: 25  
Limit: FCC\_RF\_1G-40G\_(Peak) Power: AC 120V/60Hz Humidity: 58 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: 2480MHZ

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	4960.000	53.81	5.94	59.75	74.00	-14.25	peak	
2 *	4960.000	35.63	5.94	41.57	54.00	-12.43	AVG	

\*:Maximum data x:Over limit !:over margin (Reference Only)

**Figure 18: Test figure of spurious emissions, mode A.3, Vertical polarity (1GHz – 26GHz)**

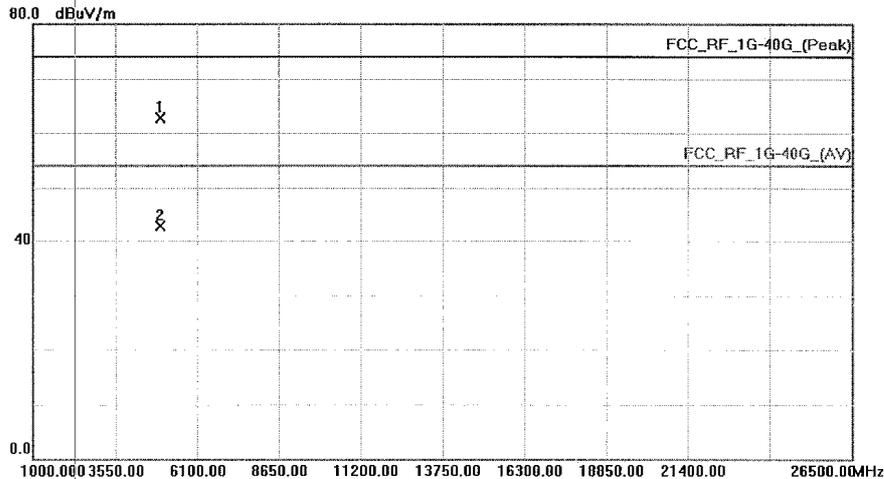


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**Radiated Emission Measurement**

File :20110807 Data #13 Date: 2011-8-7 Time: 16:31:25



Site DG-CB03 Polarization: **Vertical** Temperature: 25  
Limit: FCC\_RF\_1G-40G\_(Peak) Power: AC 120V/60Hz Humidity: 58 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: 2480MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	4959.900	56.74	5.94	62.68	74.00	-11.32	peak	
2		4960.000	36.75	5.94	42.69	74.00	-31.31	peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

**Figure 19: Test figure of spurious emissions, mode C, Horizontal polarity (9kHz – 30MHz)**



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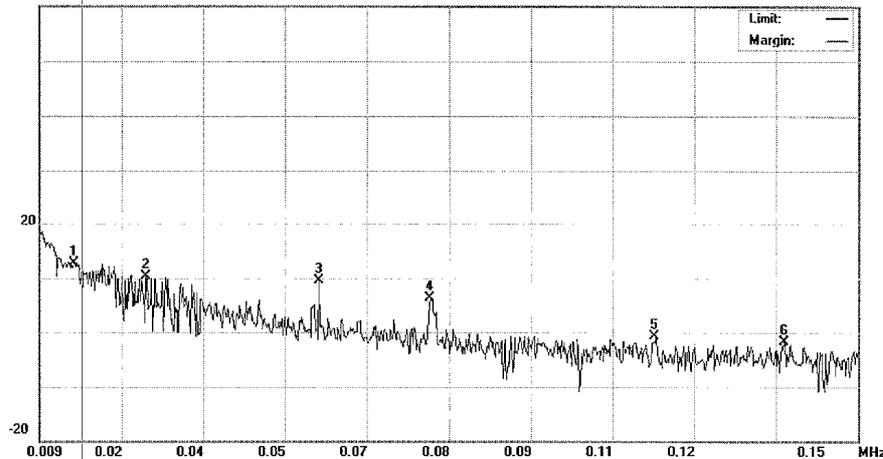
**Radiated Emission Measurement**

File :RCC clock  
60.0 dBuA

Data :#13

Date: 2011-8-13

Time: 19:21:32



Site DG-CB03  
Limit:  
EUT: BTNEXT  
M/N: BTNEXT  
Mode: RX  
Note: FACE RX

Polarization:  
Power: DC 3.7V  
Distance: 3m  
Temperature: 20  
Humidity: 53 %

No. Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1 *	0.0150	12.72	0.00	12.72			peak	
2	0.0273	-13.62	23.84	10.22			peak	
3	0.0572	-12.84	22.26	9.42			peak	
4	0.0763	-15.54	21.87	6.33			peak	
5	0.1150	-21.88	21.16	-0.72			peak	
6	0.1373	-22.43	20.80	-1.63			peak	

\*:Maximum data x:Over limit !:over margin

<Reference Only

File :RCC clock>Data :#13

Page: 1

Engineer Signature:

bin

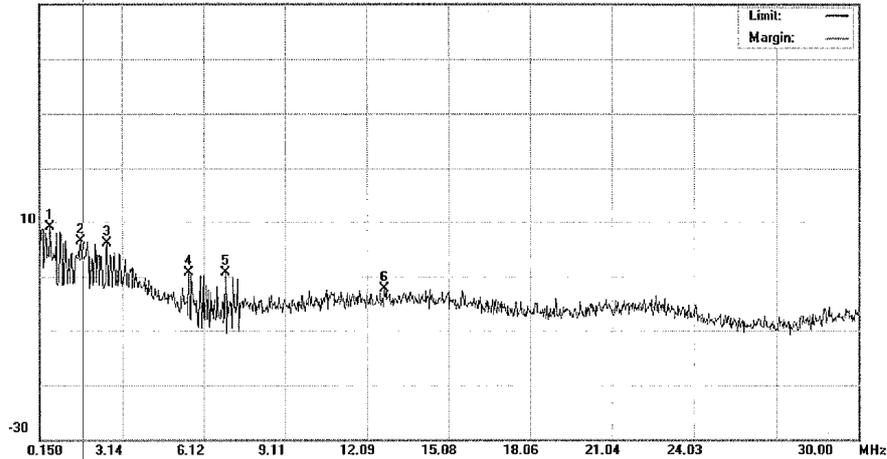


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<http://www.btl.org.cn>

**Radiated Emission Measurement**

File :RCC clock      Data :#16      Date: 2011-8-13      Time: 19:57:41  
50.0 dBuA



Site DG-CB03  
Limit:  
EUT: BTNEXT  
M/N: BTNEXT  
Mode: RX  
Note: FACE RX

Polarization:      Temperature: 20  
Power: DC 3.7V      Humidity: 53 %  
Distance: 3m

No.	Mk.	Freq. MHz	Reading Level dBuA	Correct Factor dB	Measure- ment dBuA	Limit dBuA	Over dB	Detector	Comment
1	*	0.5381	-10.79	19.92	9.13			peak	
2		1.6425	-12.97	19.54	6.57			peak	
3		2.5977	-12.95	19.14	6.19			peak	
4		5.5825	-17.48	18.15	0.67			peak	
5		6.9260	-17.28	18.05	0.77			peak	
6		12.7467	-20.30	17.96	-2.34			peak	

\*:Maximum data    x:Over limit    !:over margin      <Reference Only

File :RCC clock Data :#16

Page: 1

Engineer Signature:      bin

**Figure 20: Test figure of spurious emissions, mode C, Vertical polarity (9kHz – 30MHz)**

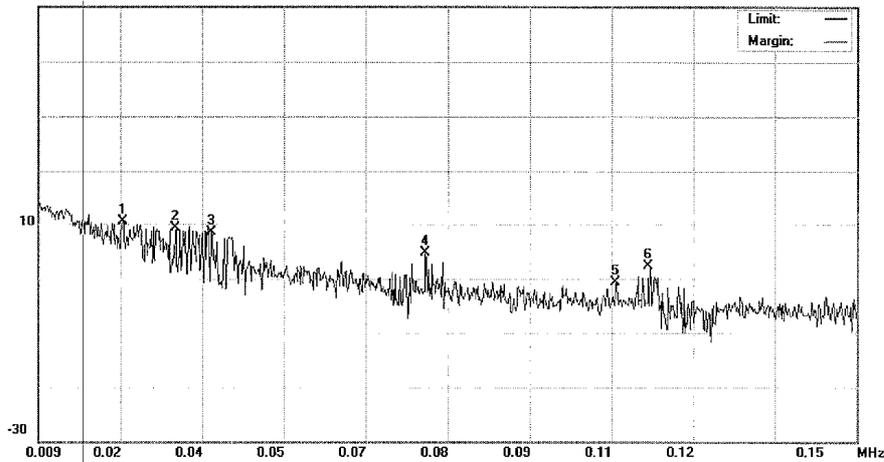


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**Radiated Emission Measurement**

File :RCC clock Data :#14 Date: 2011-8-13 Time: 19:40:12  
50.0 dBuA



Site DG-CB03  
Limit:  
EUT: BTNEXT  
M/N: BTNEXT  
Mode: RX  
Note: SIDE RX

Polarization: Temperature: 20  
Power: DC 3.7V Humidity: 53 %  
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuA	dB	dBuA	dBuA	dB		
1	*	0.0235	-13.56	24.08	10.52			peak	
2		0.0325	-14.23	23.51	9.28			peak	
3		0.0388	-14.59	23.11	8.52			peak	
4		0.0757	-17.25	21.89	4.64			peak	
5		0.1082	-21.92	21.27	-0.65			peak	
6		0.1140	-18.78	21.18	2.40			peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :RCC clock Data :#14 Page: 1 Engineer Signature: bin

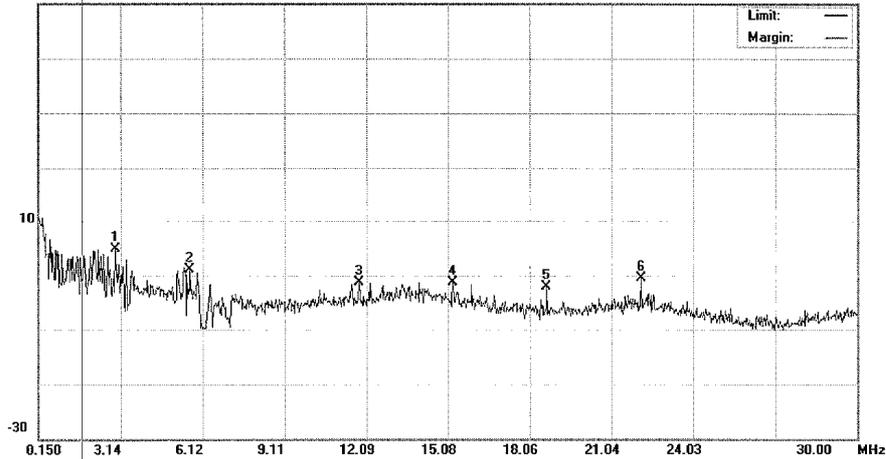


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<http://www.btl.org.cn>

**Radiated Emission Measurement**

File :RCC clock      Data :#15      Date: 2011-8-13      Time: 19:45:43  
50.0 dBuA



Site DG-CB03  
Limit:  
EUT: BTNEXT  
M/N: BTNEXT  
Mode: RX  
Note: SIDE RX

Polarization:      Temperature: 20  
Power: DC 3.7V      Humidity: 53 %  
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuA	dB	dBuA	dBuA	dB		
1	*	2.9560	-13.94	18.93	4.99			peak	
2		5.6722	-17.13	18.15	1.02			peak	
3		11.8214	-19.29	17.91	-1.38			peak	
4		15.2540	-19.44	18.06	-1.38			peak	
5		18.6870	-19.76	17.58	-2.18			peak	
6		22.1190	-17.46	16.89	-0.57			peak	

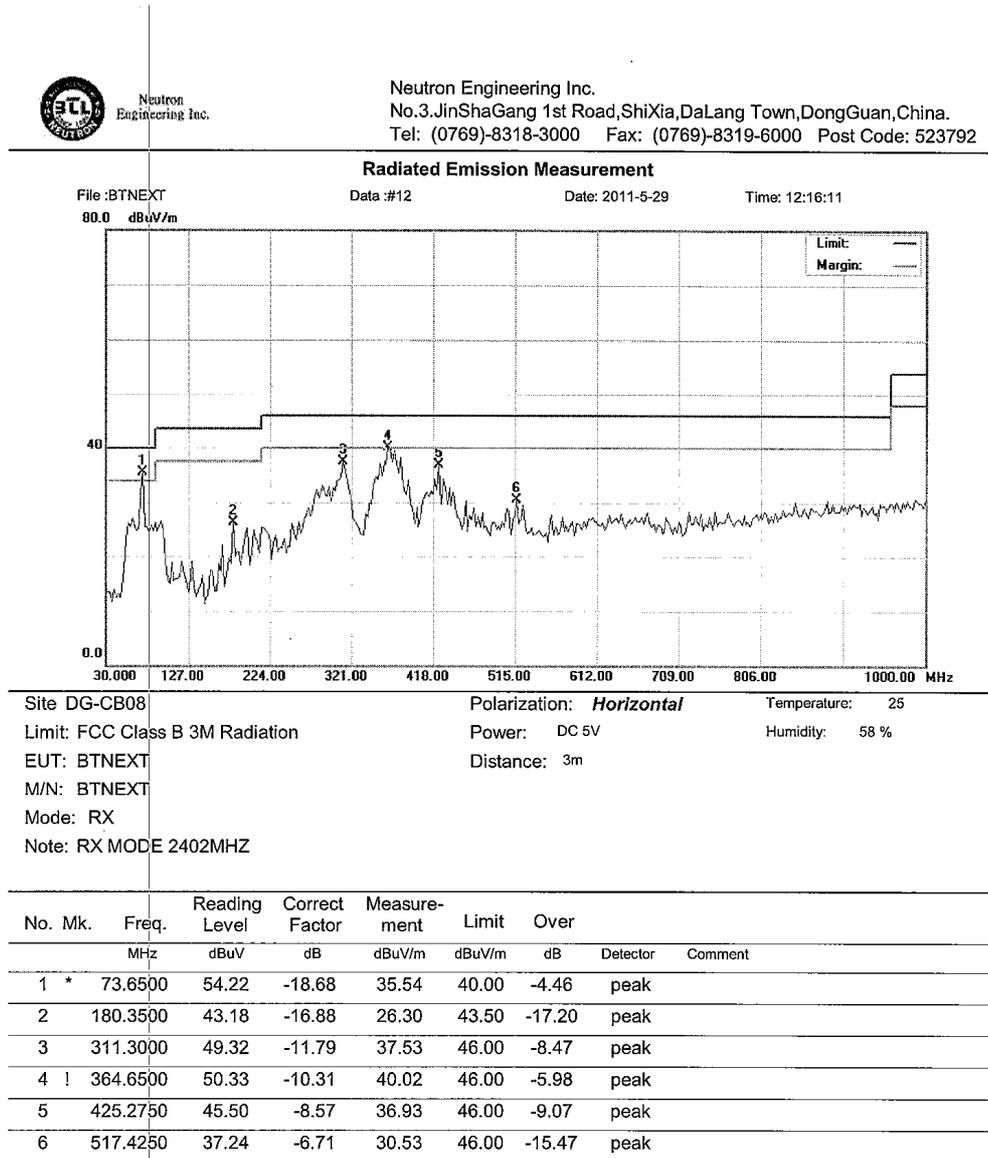
\*:Maximum data    x:Over limit    !:over margin      (Reference Only)

File :RCC clock Data :#15

Page: 1

Engineer Signature:      bin

**Figure 21: Test figure of spurious emissions, mode C, Horizontal polarity (30MHz – 1GHz)**



\*:Maximum data    x:Over limit    !:over margin      <Reference Only

File :BTNEXTData :#12

Page: 1

Engineer Signature: JEFF

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**Figure 22: Test figure of spurious emissions, mode C, Vertical polarity (30MHz – 1GHz)**

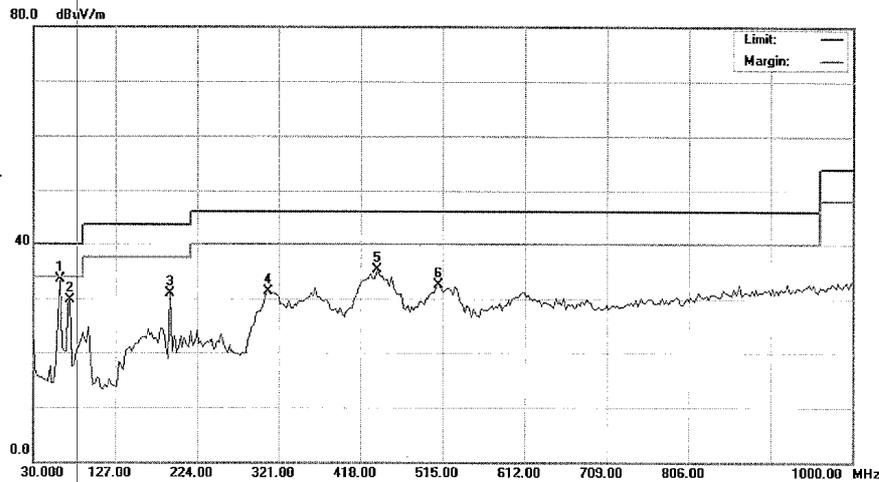


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**Radiated Emission Measurement**

File :BTNEXT Data :#13 Date: 2011-5-29 Time: 12:17:47



Site DG-CB08 Polarization: **Vertical** Temperature: 25  
 Limit: FCC Class B 3M Radiation Power: DC 5V Humidity: 58 %  
 EUT: BTNEXT Distance: 3m  
 M/N: BTNEXT  
 Mode: RX  
 Note: RX MODE 2402MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	61.5250	51.10	-17.51	33.59	40.00	-6.41	peak	
2		73.6500	48.34	-18.68	29.66	40.00	-10.34	peak	
3		192.4750	47.69	-16.69	31.00	43.50	-12.50	peak	
4		308.8750	43.14	-11.85	31.29	46.00	-14.71	peak	
5		437.4000	43.62	-8.35	35.27	46.00	-10.73	peak	
6		510.1500	39.55	-6.98	32.57	46.00	-13.43	peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :BTNEXT Data :#13 Page: 1 Engineer Signature: JEFF

**Figure 23: Test figure of spurious emissions, mode C, Horizontal polarity (1GHz – 26GHz)**

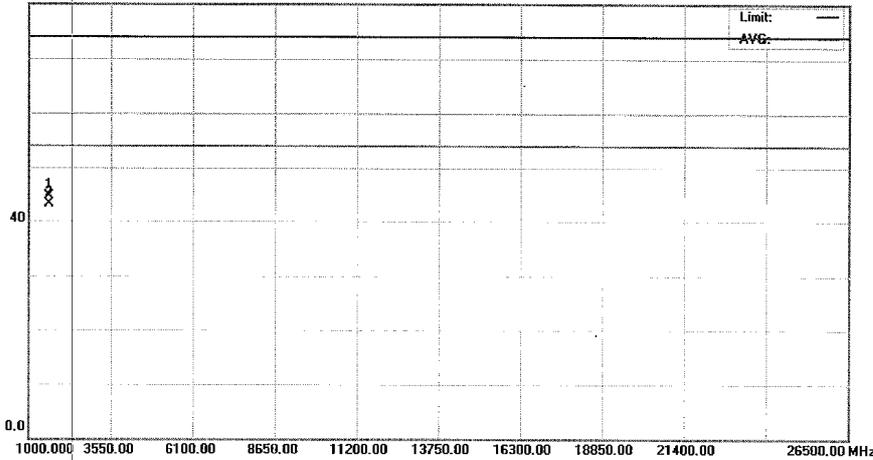


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**Radiated Emission Measurement**

File :FCCP Data :#8 Date: 2011-8-21 Time: 16:50:44  
80.0 dBuA



Site DG-CB03 Polarization: **Horizontal** Temperature: 23  
Limit: FCC\_RF\_1G-40G\_(Peak) Power: DC 3.7V Humidity: 51 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: RX  
Note: 2402MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuA	dB	dBuA	dBuA	dB		
1		1602.330	48.33	-3.76	44.57	74.00	-29.43	peak	
2	*	1602.330	46.87	-3.76	43.11	54.00	-10.89	AVG	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :FCCPData :#8 Page: 1 Engineer Signature: Susan

**Figure 24: Test figure of spurious emissions, mode C, Vertical polarity (1GHz – 26GHz)**



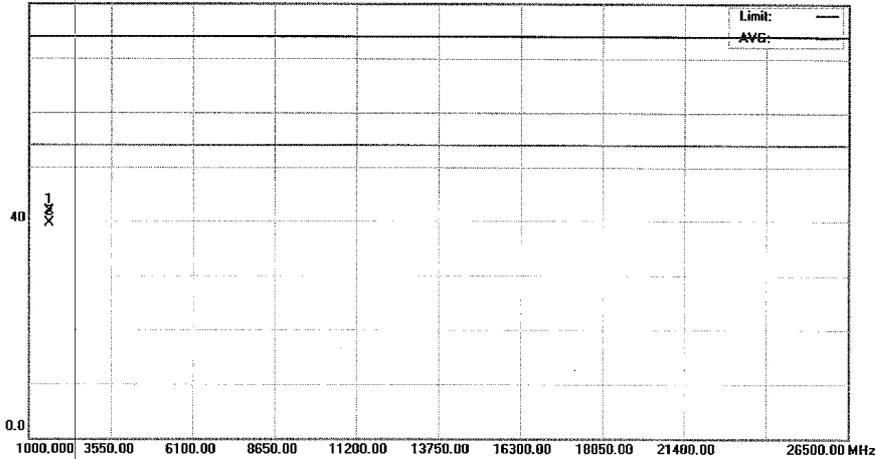
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**Radiated Emission Measurement**

File :FCCP Data :#7 Date: 2011-8-21 Time: 16:35:39

80.0 dBuA



Site DG-CB03 Polarization: **Vertical** Temperature: 23  
Limit: FCC\_RF\_1G-40G\_(Peak) Power: DC 3.7V Humidity: 51 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: RX  
Note: 2402MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuA	dB	dBuA	dBuA	dB		
1		1602.380	45.56	-3.76	41.80	74.00	-32.20	peak	
2	*	1602.380	43.23	-3.76	39.47	54.00	-14.53	AVG	

\*:Maximum data x:Over limit l:over margin (Reference Only)

File :FCCPData :#7 Page: 1 Engineer Signature: Susan

**Figure 25: Test figure of Radiated emissions in restricted bands, Mode A.1, Horizontal**

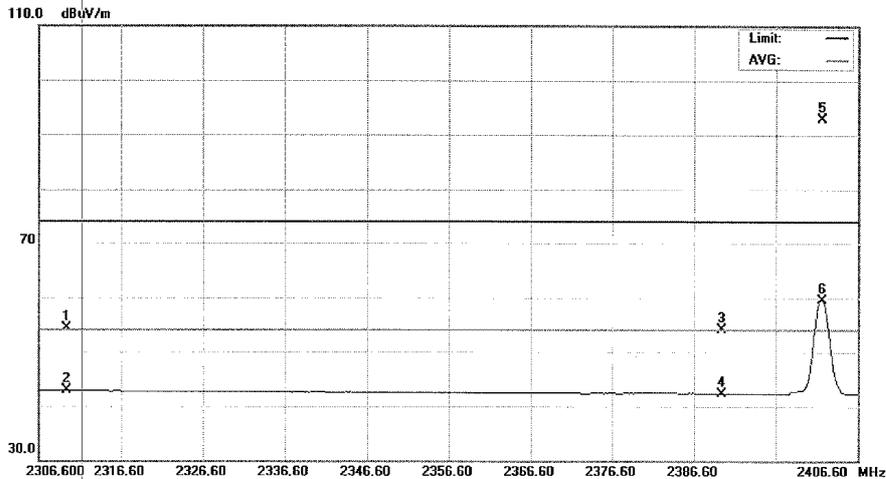


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**Radiated Emission Measurement**

File :111111 Data :#1 Date: 2011/08/21 Time: 19:10:45



Site DG-CB03 Polarization: **Horizontal** Temperature: 27  
Limit: FCC\_RF\_1G-40G\_(Peak) Power: AC 120V/60Hz Humidity: 47 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: 2402M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2310.000	22.20	32.01	54.21	74.00	-19.79	peak	
2		2310.000	10.86	32.01	42.87	54.00	-11.13	AVG	
3		2390.000	22.12	31.91	54.03	74.00	-19.97	peak	
4		2390.000	10.44	31.91	42.35	54.00	-11.65	AVG	
5	*	2402.200	61.06	31.90	92.96	74.00	18.96	peak	
6	X	2402.200	27.68	31.90	59.58	54.00	5.58	AVG	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :111111\Data :#1

Page: 1

Engineer Signature:

**Figure 26: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical**



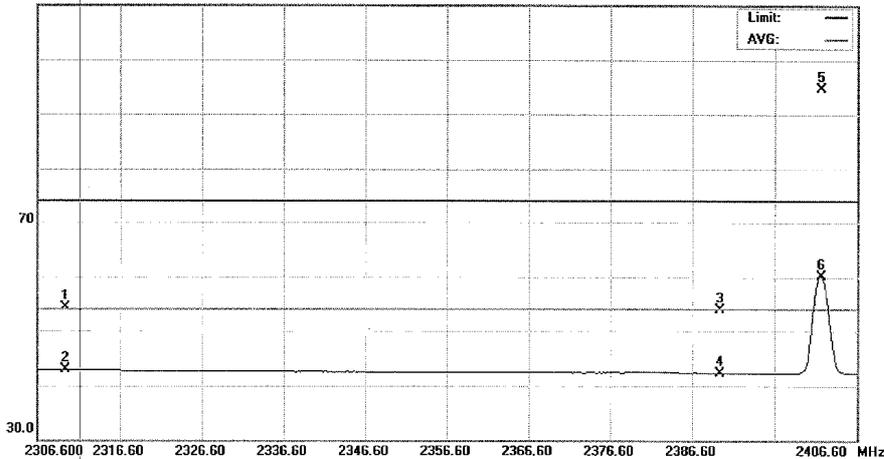
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**Radiated Emission Measurement**

File :111111 Data :#2 Date: 2011/08/21 Time: 19:13:36

110.0 dBuV/m



Site DG-CB03 Polarization: **Vertical** Temperature: 27  
Limit: FCC\_RF\_1G-40G\_(Peak) Power: AC 120V/60Hz Humidity: 47 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: TX  
Note: 2402M

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	22.20	32.01	54.21	74.00	-19.79	peak	
2		2310.000	10.90	32.01	42.91	54.00	-11.09	AVG	
3		2390.000	22.02	31.91	53.93	74.00	-20.07	peak	
4		2390.000	10.47	31.91	42.38	54.00	-11.62	AVG	
5	*	2402.200	62.76	31.90	94.66	74.00	20.66	peak	
6	X	2402.200	28.21	31.90	60.11	54.00	6.11	AVG	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :111111\Data :#2

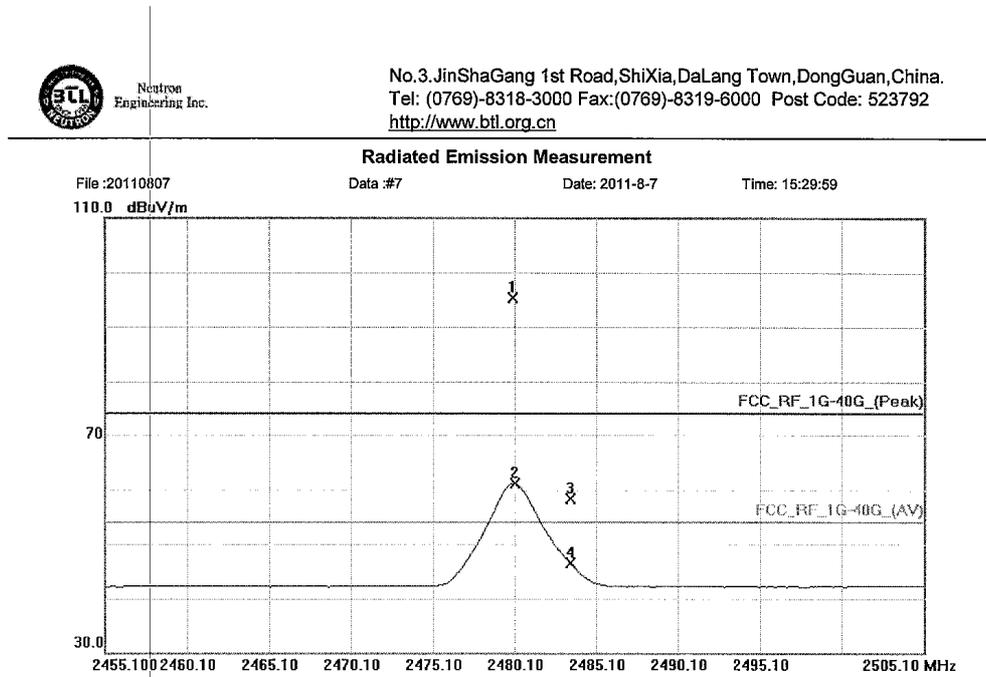
Page: 1

Engineer Signature:

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**Figure 27: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal**



File :20110807 Data :#7 Date: 2011-8-7 Time: 15:29:59

Site DG-CB03 Polarization: **Horizontal** Temperature: 25  
 Limit: FCC\_RF\_1G-40G\_(Peak) Power: AC 120V/60Hz Humidity: 58 %  
 EUT: BTNEXT Distance: 3m  
 M/N: BTNEXT  
 Mode: TX  
 Note: 2480MHZ

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1 *	2480.000	63.79	31.50	95.29	74.00	21.29	peak	
2 X	2480.100	29.60	31.50	61.10	54.00	7.10	AVG	
3	2483.500	26.71	31.50	58.21	74.00	-15.79	peak	
4	2483.500	15.03	31.50	46.53	54.00	-7.47	AVG	

\*:Maximum data x:Over limit !:over margin (Reference Only)

**Figure 28: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical**

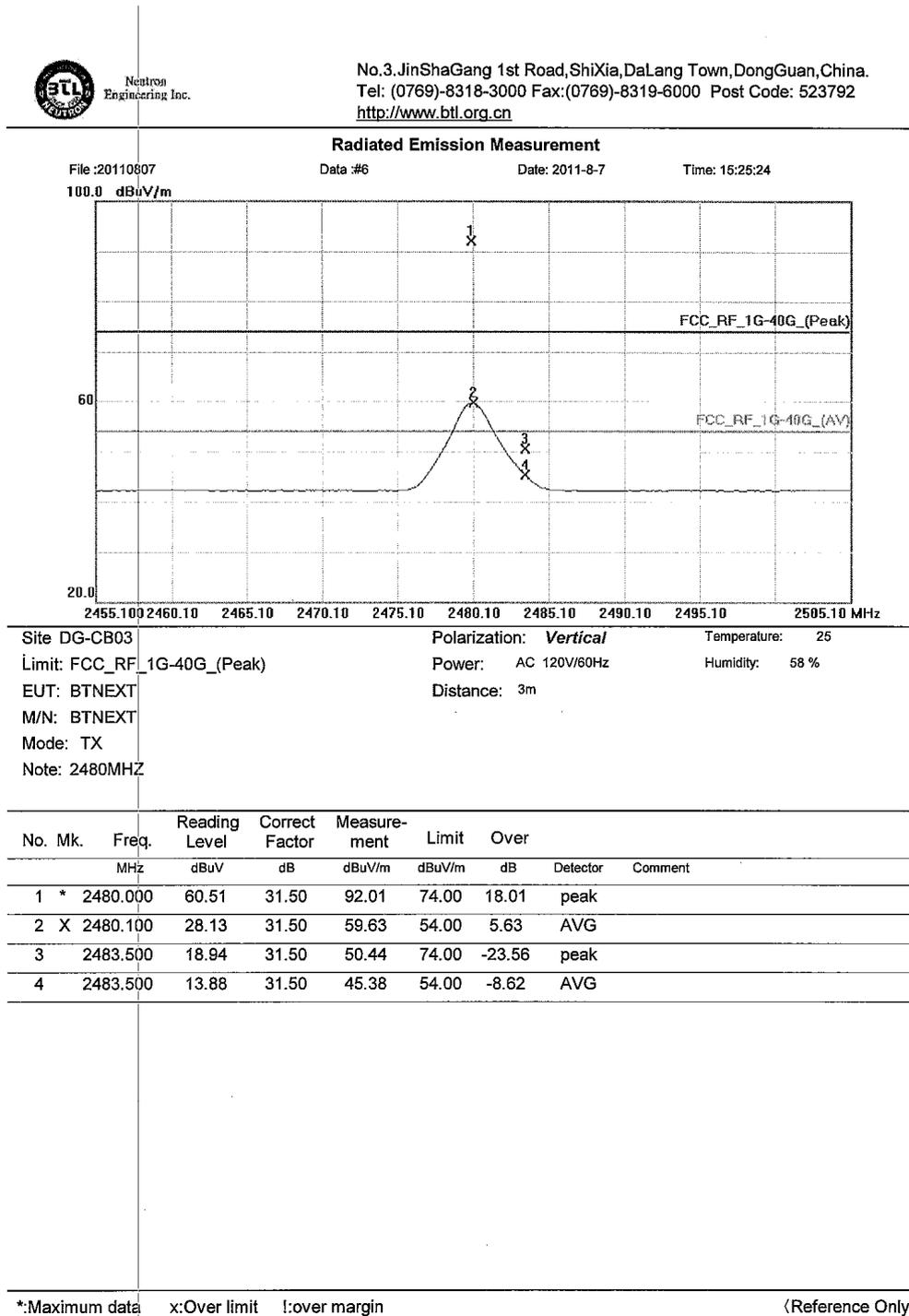


Figure 29: Test figure of conducted emissions, mode D

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EMC Test Service Hotline: +86-20-28391188

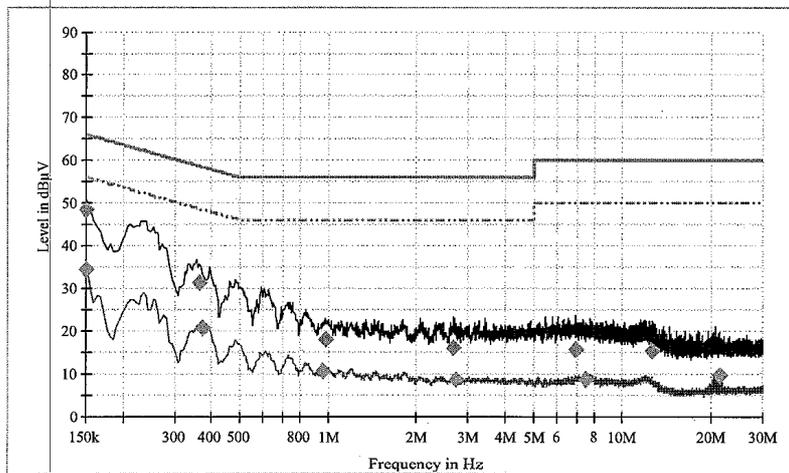
### EMC Test Record (EMISSION)

#### Test Information

Manufacturer: Thairadio  
Test Item: Bluetooth Helmate  
Identification: BTNEXT  
Test Standard: FCC Part 15  
Test Detail: Conducted Emission  
Operation Mode: D  
Climate Condition: 20 °C; 50 %RH; 101 kPa.  
Test Voltage/ Freq.: AC 120 V/ 60 Hz  
Port / Line: AC Mains(L1+N)  
Receipt No.: 163069286 100  
Report No.: 17019864 001  
Result: Pass  
Comment: /

Hardware Setup: 1phase LISN ESH3-Z5 to ESU 26  
Level Unit: dBµV

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESU 26



Sign-off Test Data

Date: 3/22/2011 Time: 3:04:49

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	48.2	1000.0	9.000	GN	L1	10.1	17.8	66.0	
0.366000	31.4	1000.0	9.000	GN	L1	9.9	27.2	58.6	
0.978000	17.9	1000.0	9.000	GN	N	9.9	38.1	56.0	
2.665500	16.0	1000.0	9.000	GN	N	10.0	40.0	56.0	
6.922500	15.7	1000.0	9.000	GN	N	10.0	44.3	60.0	
12.610500	15.3	1000.0	9.000	GN	N	10.1	44.8	60.0	

**Final Result 2**

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	34.5	1000.0	9.000	GN	L1	10.1	21.5	56.0	
0.375000	20.6	1000.0	9.000	GN	L1	9.9	27.8	48.4	
0.964500	10.8	1000.0	9.000	GN	N	10.0	35.2	46.0	
2.742000	8.7	1000.0	9.000	GN	L1	10.0	37.3	46.0	
7.503000	8.7	1000.0	9.000	GN	N	10.0	41.3	50.0	
21.376500	9.6	1000.0	9.000	GN	N	10.2	40.4	50.0	

Sign-off Test Data

Date: 3/22/2011 Time: 3:04:49

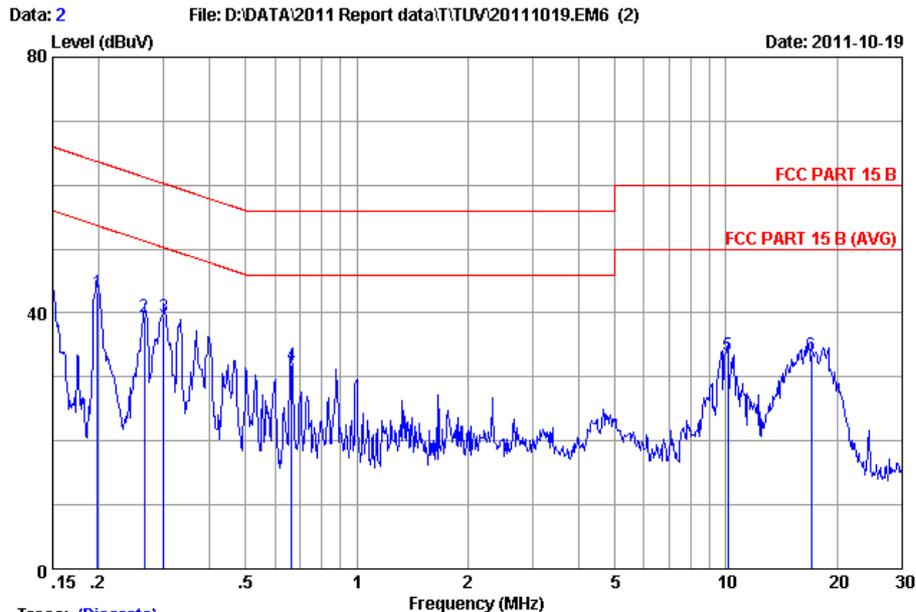
Tested by:



Reviewed by:



Figure 30: Test figure of conducted emissions, mode E

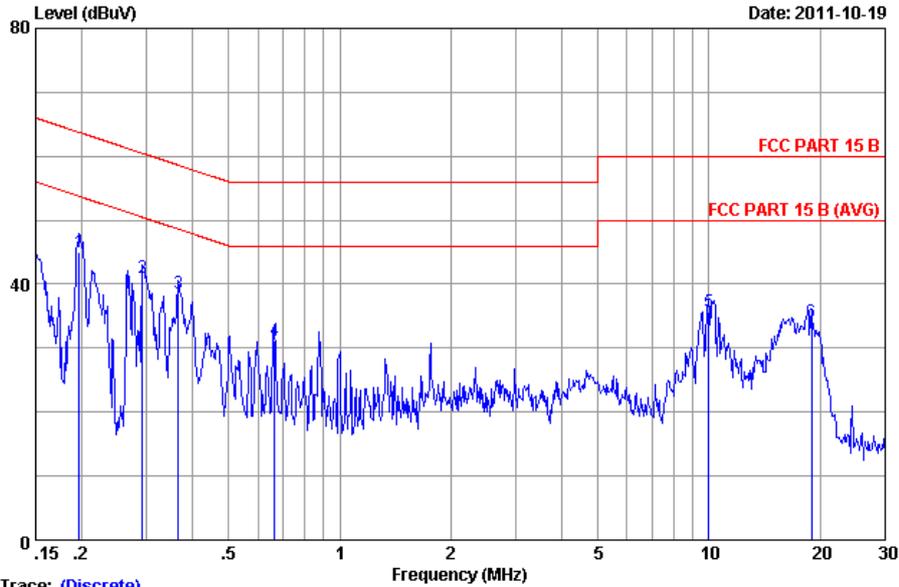


Trace: (Discrete)  
 Site no :1#conduction Data No :2  
 Dis./Ant. :\*\* 2011 ESH2-25 LINE  
 Limit :FCC PART 15 B  
 Env./Ins. :25.5°C/55% Engineer :Frank\_Li  
 EUT :  
 Power Rating :DC 5V  
 Test Mode :

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV)	Limits (dBUV)	Margin (dB)	Remark
1	0.19863	0.17	9.98	33.15	43.30	63.67	20.37	Peak
2	0.26583	0.18	9.98	29.19	39.35	61.25	21.90	Peak
3	0.30028	0.18	9.98	29.27	39.43	60.24	20.81	Peak
4	0.66478	0.19	9.97	21.67	31.83	56.00	24.17	Peak
5	10.125	0.67	9.90	22.75	33.32	60.00	26.68	Peak
6	17.018	0.98	9.96	22.49	33.43	60.00	26.57	Peak

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.  
 2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

Data: 1 File: D:\DATA\2011 Report data\TUTUV\20111019.EM6 (2) Date: 2011-10-19



Trace: (Discrete)  
 Site no :1#conduction Data No :1  
 Dis./Ant. \*\*: 2011 ESH2-Z5 NEUTRAL  
 Limit :FCC PART 15 B  
 Env./Ins. :25.5\*C/55% Engineer :Frank\_Li  
 EUT :  
 Power Rating :DC 5V  
 Test Mode :

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.19654	0.21	9.98	34.83	45.02	63.76	18.74	Peak
2	0.29243	0.21	9.98	30.92	41.11	60.46	19.35	Peak
3	0.36531	0.22	9.98	28.31	38.51	58.61	20.10	Peak
4	0.66478	0.23	9.97	21.05	31.25	56.00	24.75	Peak
5	9.966	0.45	9.90	25.40	35.75	60.00	24.25	Peak
6	18.920	0.73	9.99	23.37	34.09	60.00	25.91	Peak

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit) +Reading.  
 2.If the average limit is met when using a quasi-peak detector. the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

**Figure 31: Test figure of Radiated emissions, mode D, Horizontal polarity (30MHz – 1GHz)**

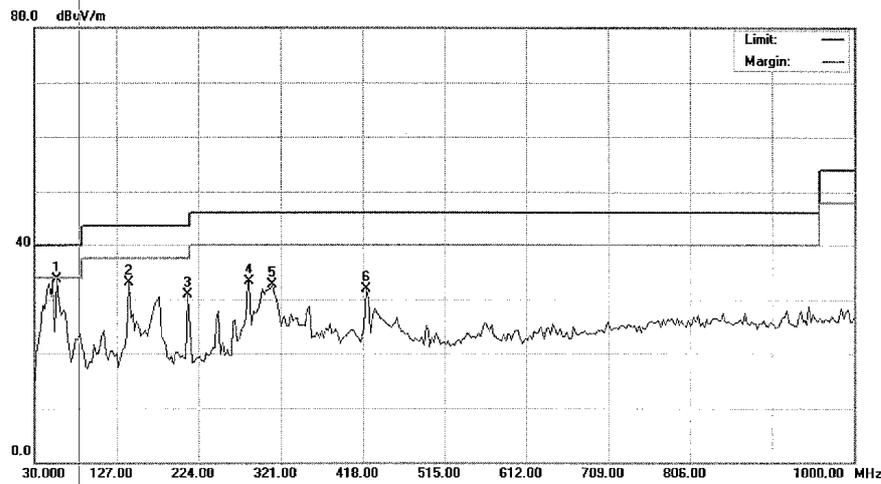


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Engineering Inc.

B1 No.37.Lane 365,YangGuangSt.,NeiHuDistrict 114.,Taipei,Taiwan  
Tel: +886-2-2657-3299 Fax:+886-2-2657-3331  
<http://www.btl.org.cn>

**Radiated Emission Measurement**

File :FCCE Data :#6 Date: 2011-8-9 Time: 4:36:01



Site CB08 Polarization: **Horizontal** Temperature: 27  
Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 47 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: CHARGER  
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	56.6750	46.79	-13.04	33.75	40.00	-6.25	peak	
2		141.5500	46.55	-13.35	33.20	43.50	-10.30	peak	
3		211.8750	46.80	-15.82	30.98	43.50	-12.52	peak	
4		284.6250	46.28	-12.89	33.39	46.00	-12.61	peak	
5		311.3000	44.93	-12.24	32.69	46.00	-13.31	peak	
6		422.8500	41.29	-9.42	31.87	46.00	-14.13	peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File :FCCEData :#6

Page: 1

Engineer Signature: Susan

**Figure 32: Test figure of Radiated emissions, mode D, Vertical polarity (30MHz – 1GHz)**

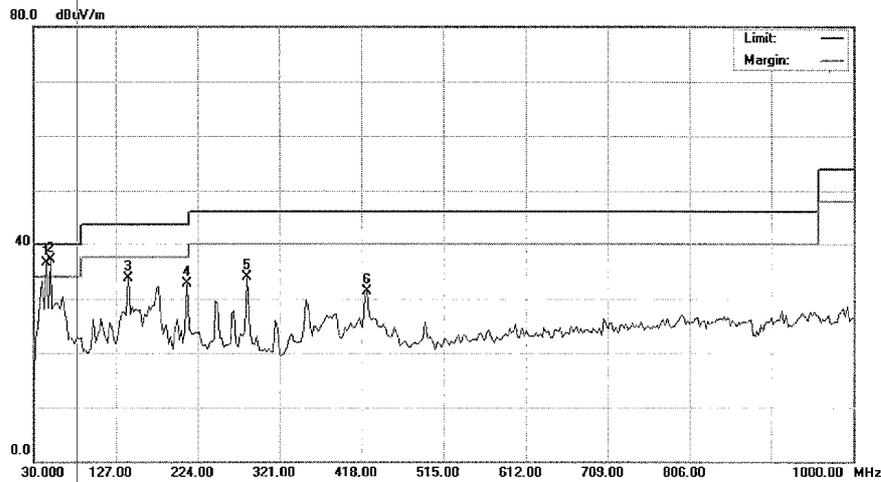


BTL  
Neutron  
Engineering Inc.

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<http://www.btl.org.cn>

**Radiated Emission Measurement**

File:FCCE Data:#5 Date: 2011-8-9 Time: 4:33:01



Site: CB08 Polarization: **Vertical** Temperature: 27  
Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 47 %  
EUT: BTNEXT Distance: 3m  
M/N: BTNEXT  
Mode: CHARGER  
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	!	44.5500	48.80	-12.21	36.59	40.00	-3.41	peak	
2	*	49.4000	49.54	-12.37	37.17	40.00	-2.83	peak	
3		141.5500	47.15	-13.35	33.80	43.50	-9.70	peak	
4		211.8750	48.59	-15.82	32.77	43.50	-10.73	peak	
5		282.2000	46.83	-12.97	33.86	46.00	-12.14	peak	
6		425.2750	40.64	-9.34	31.30	46.00	-14.70	peak	

\*:Maximum data x:Over limit !:over margin (Reference Only)

File:FCCEData:#5

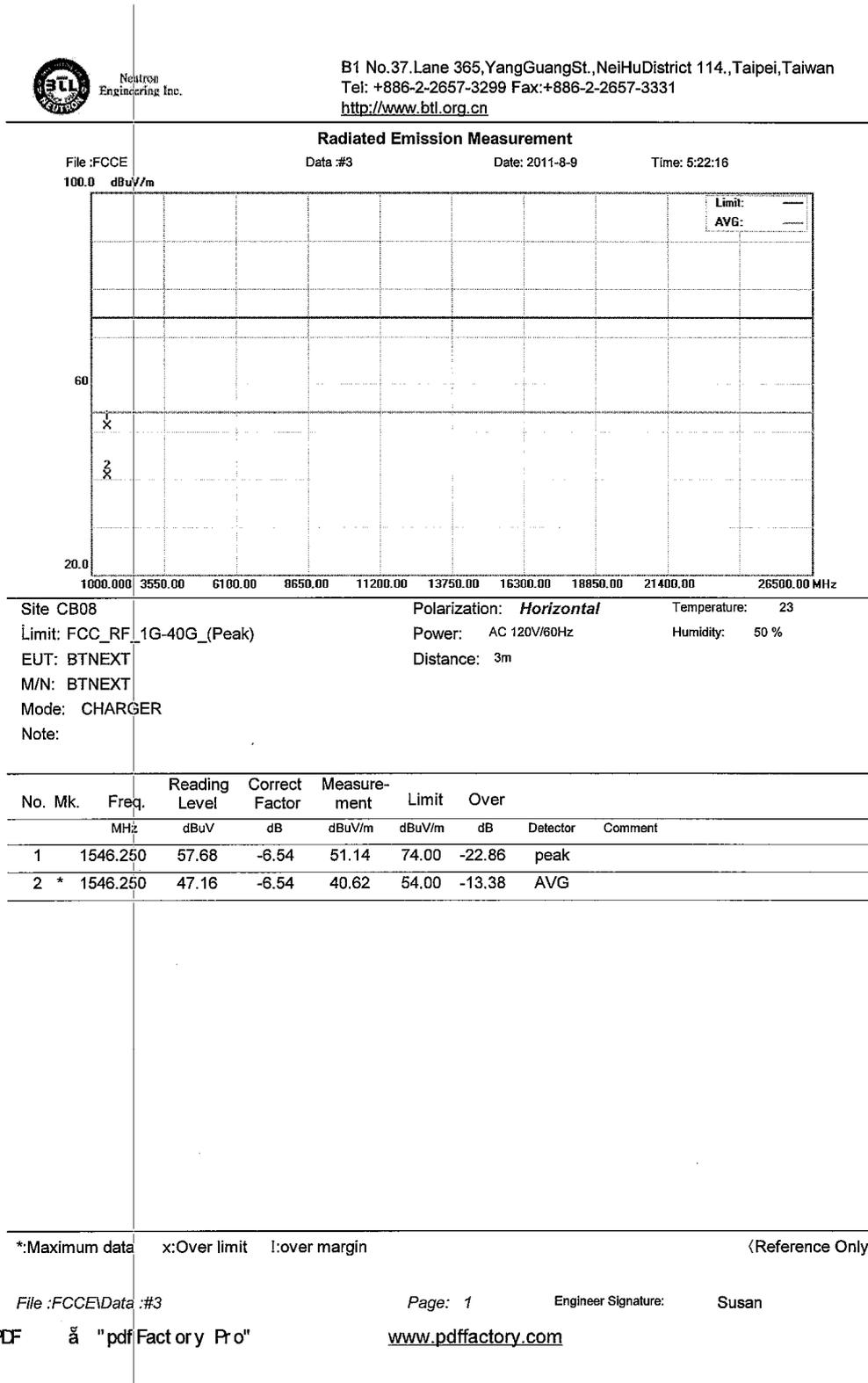
Page: 1

Engineer Signature: Susan

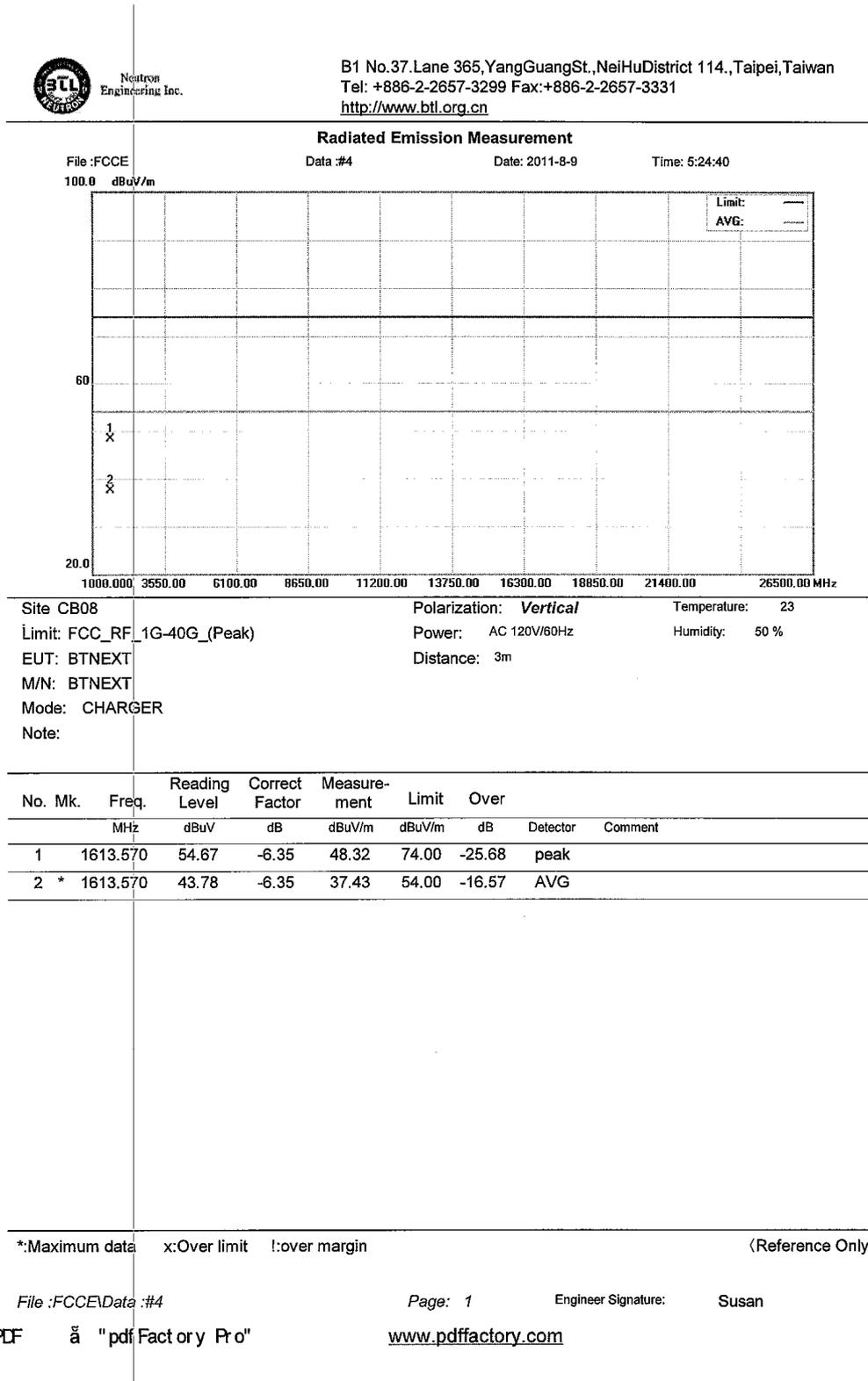
PDF ă "pdf Factory Pro"

[www.pdfactory.com](http://www.pdfactory.com)

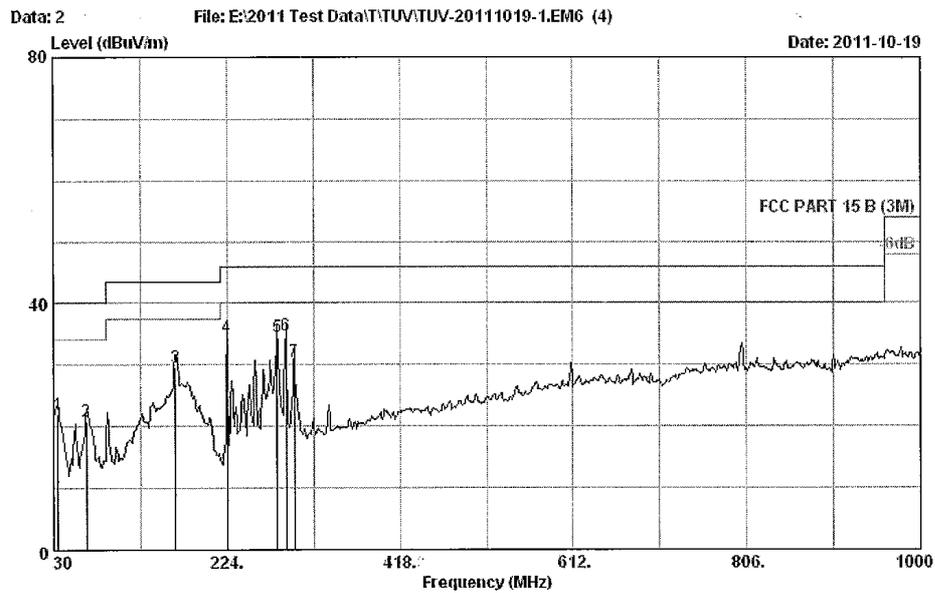
**Figure 33: Test figure of Radiated emissions, mode D, Horizontal polarity (1GHz – 6GHz)**



**Figure 34: Test figure of Radiated emissions, mode D, Vertical polarity (1GHz – 6GHz)**



**Figure 35: Test figure of Radiated emissions, mode E, Horizontal polarity (30MHz – 1GHz)**

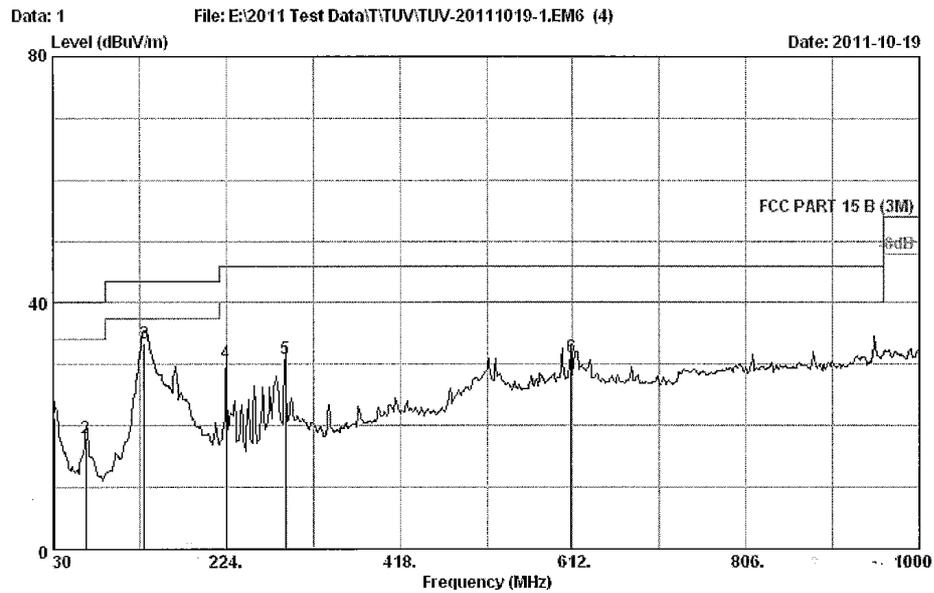


Site no. : 3m Chamber Data no. : 2  
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B (3M)  
 Env. / Ins. : 24°C/56% Engineer : Jolly\_Xu  
 EUT :  
 Power rating : DC 5V  
 Test Mode :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	34.850	17.20	0.65	4.13	21.98	40.00	18.02	QP
2	66.860	6.24	0.95	13.87	21.06	40.00	18.94	QP
3	165.800	10.60	1.61	17.49	29.70	43.50	13.80	QP
4	224.000	10.52	2.11	21.84	34.47	46.00	11.53	QP
5	280.260	13.20	2.77	18.51	34.48	46.00	11.52	QP
6	289.960	13.60	2.88	18.18	34.66	46.00	11.34	QP
7	299.660	13.70	3.00	13.73	30.43	46.00	15.57	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

**Figure 36: Test figure of Radiated emissions, mode E, Vertical polarity (30MHz – 1GHz)**

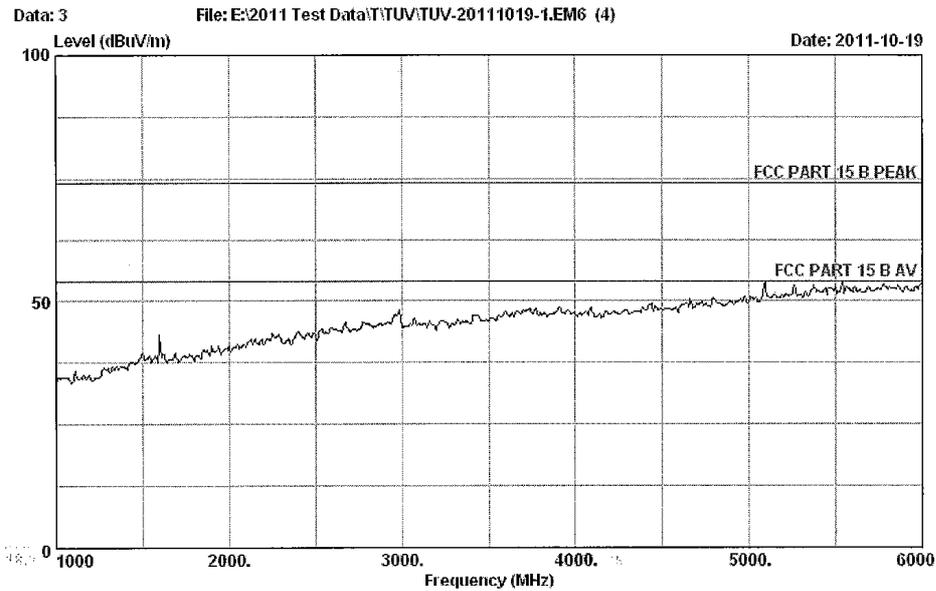


Site no. : 3m Chamber Data no. : 1  
 Dis. / Ant. : 3m 2010 CBL6111C 2598 Ant. pol. : VERTICAL  
 Limit : FCC PART 15 B (3M)  
 Env. / Ins. : 24°C/56% Engineer : Jolly\_Xu  
 EUT :  
 Power rating : DC 5V  
 Test Mode :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Remark
1	31.940	18.88	0.61	1.94	21.43	40.00	18.57	QP
2	66.860	6.24	0.95	10.79	17.98	40.00	22.02	QP
3	131.850	12.16	1.38	19.92	33.46	43.50	10.04	QP
4	224.000	10.52	2.11	17.70	30.33	46.00	15.67	QP
5	289.960	13.60	2.88	14.39	30.87	46.00	15.13	QP
6	610.060	19.70	4.55	7.01	31.26	46.00	14.74	QP

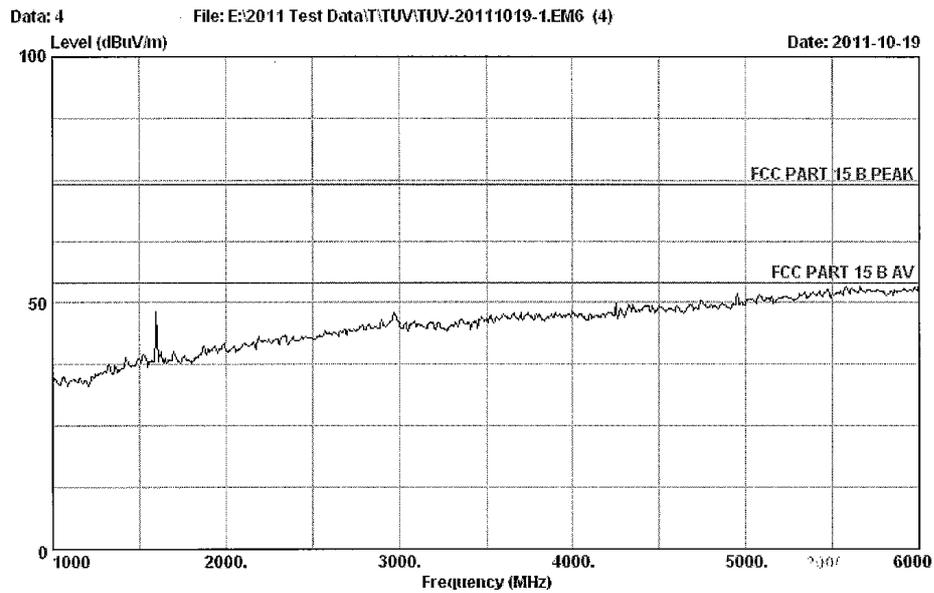
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

**Figure 37: Test figure of Radiated emissions, mode E, Horizontal polarity (1GHz – 6GHz)**



Site no. : 3m Chamber Data no. : 3  
Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : HORIZONTAL  
Limit : FCC PART 15 B PEAK  
Env. / Ins. : 24°C/56% Engineer : Jolly\_Xu  
EUT :  
Power rating :  
Test Mode :

**Figure 38: Test figure of Radiated emissions, mode E, Vertical polarity (1GHz – 6GHz)**



Site no. : 3m Chamber Data no. : 4  
Dis. / Ant. : 3m 2011 3115 9607-4877 Ant. pol. : VERTICAL  
Limit : FCC PART 15 B PEAK  
Env. / Ins. : 24°C/56% Engineer : Jolly\_Xu  
EUT :  
Power rating :  
Test Mode :