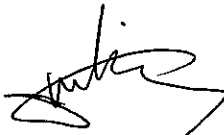



<b>Prüfbericht - Nr.:</b> <b>17030657 001</b>		Seite 1 von 39 Page 1 of 39			
<i>Test Report No.:</i>					
<b>Auftraggeber:</b> <i>Client:</i>	Compupal Group Corporation. No.1555 Jiashan Avenue, Jiashan 314113, Zhejiang, China				
<b>Gegenstand der Prüfung:</b> <i>Test item:</i>	Clock Radio with Bluetooth				
<b>Bezeichnung:</b> <i>Identification:</i>	NS-CLBT02	<b>Serien-Nr.:</b> <i>Serial No.:</i>	n.a.		
<b>Wareneingangs-Nr.:</b> <i>Receipt No.:</i>	164002027	<b>Eingangsdatum:</b> <i>Date of receipt:</i>	2012-12-19		
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <b>Condition of test item at delivery:</b>	Test samples received are sufficient for testing and not damaged.				
<b>Prüfört:</b> <i>Testing location:</i>	Shenzhen Accurate Technology Co., Ltd. ( Details refer to clause 2.1)				
<b>Prüfgrundlage:</b> <i>Test specification:</i>	FCC CFR47 Part 15: Subpart C Section 15.247 FCC CFR47 Part 15: Subpart C Section 15.207 FCC CFR47 Part 15: Subpart C Section 15.209 FCC CFR47 Part 15: Subpart C Section 15.107 FCC CFR47 Part 15: Subpart C Section 15.109 RSS-210 Issue 8 December 2010 RSS-Gen Issue 3 December 2010 RSS-102 Issue 4 March 2010				
<b>Prüfergebnis:</b> <i>Test Result:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). The test item passed the test specification(s).				
<b>Prüflaboratorium:</b> <i>Testing Laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.				
<b>geprüft/ tested by:</b>	<b>kontrolliert/ reviewed by:</b>				
					
2013-03-01 Sam Lin/ Project Manager	2013-03-05 Winnie Hou/ 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> P(ass) = entspricht Prüfgrundlage F(fail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet			<b>Abbreviations:</b> P(ass) = passed F(fail) = failed N/A = not applicable N/T = not tested		
<p>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.</p> <p><i>This test report relates to the a. m. test item. 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></p>					

## 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***6.1.1 ELECTROMAGNETIC FIELDS***RESULT: Passed*

## Contents

<b>1.</b>	<b>GENERAL REMARKS .....</b>	<b>4</b>
<b>1.1</b>	<b>COMPLEMENTARY MATERIALS .....</b>	<b>4</b>
<b>2.</b>	<b>TEST SITES .....</b>	<b>4</b>
<b>2.1</b>	<b>TEST FACILITIES .....</b>	<b>4</b>
<b>2.2</b>	<b>LIST OF TEST AND MEASUREMENT INSTRUMENTS.....</b>	<b>5</b>
<b>2.3</b>	<b>TRACEABILITY .....</b>	<b>6</b>
<b>2.4</b>	<b>CALIBRATION .....</b>	<b>6</b>
<b>2.5</b>	<b>MEASUREMENT UNCERTAINTY.....</b>	<b>6</b>
<b>2.6</b>	<b>LOCATION OF ORIGINAL DATA.....</b>	<b>6</b>
<b>2.7</b>	<b>STATUS OF FACILITY USED FOR TESTING.....</b>	<b>6</b>
<b>3.</b>	<b>GENERAL PRODUCT INFORMATION .....</b>	<b>7</b>
<b>3.1</b>	<b>PRODUCT FUNCTION AND INTENDED USE.....</b>	<b>7</b>
<b>3.2</b>	<b>RATINGS AND SYSTEM DETAILS .....</b>	<b>7</b>
<b>3.3</b>	<b>INDEPENDENT OPERATION MODES .....</b>	<b>8</b>
<b>3.4</b>	<b>NOISE GENERATING AND NOISE SUPPRESSING PARTS .....</b>	<b>9</b>
<b>3.5</b>	<b>SUBMITTED DOCUMENTS .....</b>	<b>9</b>
<b>4.</b>	<b>TEST SET-UP AND OPERATION MODES .....</b>	<b>10</b>
<b>4.1</b>	<b>PRINCIPLE OF CONFIGURATION SELECTION.....</b>	<b>10</b>
<b>4.2</b>	<b>TEST OPERATION AND TEST SOFTWARE .....</b>	<b>10</b>
<b>4.3</b>	<b>SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT .....</b>	<b>10</b>
<b>4.4</b>	<b>COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....</b>	<b>11</b>
<b>4.5</b>	<b>TEST SETUP DIAGRAM .....</b>	<b>11</b>
<b>5.</b>	<b>TEST RESULTS .....</b>	<b>13</b>
<b>5.1</b>	<b>TRANSMITTER REQUIREMENT &amp; TEST SUITES .....</b>	<b>13</b>
5.1.1	<i>Antenna Requirement.....</i>	<i>13</i>
5.1.2	<i>Peak Output Power.....</i>	<i>14</i>
5.1.3	<i>20dB Bandwidth.....</i>	<i>15</i>
5.1.4	<i>99% Bandwidth .....</i>	<i>16</i>
5.1.5	<i>Conducted spurious emissions measured in 100kHz Bandwidth.....</i>	<i>17</i>
5.1.6	<i>Spurious Emission .....</i>	<i>26</i>
5.1.7	<i>Frequency Separation.....</i>	<i>27</i>
5.1.8	<i>Number of hopping frequency.....</i>	<i>30</i>
5.1.9	<i>Time of Occupancy .....</i>	<i>32</i>
<b>6.</b>	<b>SAFETY HUMAN EXPOSURE .....</b>	<b>34</b>
<b>6.1</b>	<b>RADIO FREQUENCY EXPOSURE COMPLIANCE.....</b>	<b>34</b>
6.1.1	<i>Electromagnetic Fields.....</i>	<i>34</i>
<b>7.</b>	<b>PHOTOGRAPHS OF THE TEST SET-UP .....</b>	<b>35</b>
<b>8.</b>	<b>LIST OF TABLES .....</b>	<b>39</b>

**9. LIST OF PHOTOGRAPHS ..... 39**

## **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**

Shenzhen Accurate Technology Co., Ltd.

F1, Bldg. A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park Nanshan District, Shenzhen 518057, P.R. China

FCC Registration No.: 752051

Test site Industry Canada No.: 5077A

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**

<b>Kind of Equipment</b>	<b>Manufacturer</b>	<b>Type</b>	<b>S/N</b>	<b>Calibrated until</b>
<b>Spurious emission and Radiated emission</b>				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2014-01-07
Test Receiver	Rohde & Schwarz	ESCS30	100307	2014-01-07
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2014-01-07
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2014-01-07
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2014-01-07
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2014-01-07
Pre-Amplifier	Rohde & Schwarz	CBLU11835 40-01	3791	2014-01-07
<b>Radio Test Suite</b>				
Receiver	Rohde & Schwarz	ESPI	100396/003	2014-01-07
<b>Conducted Emission</b>				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2014-01-07
Artificial Mains Network	Schwarzbeck	NLSK8126	8126431	2014-01-07

## 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 Shenzhen Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park Nanshan District, Shenzhen 518057, P.R. China is 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 clock radio with Bluetooth technique.  
For details refer to the User Manual and Circuit Diagram.

### 3.2 Ratings and System Details

**Table 2: Rating of EUT**

Kind of Equipment:	Clock Radio with Bluetooth
Type Designation:	NS-CLBT02
FCC ID	Z5YNS-CLBT02
IC	10828A-CLBT02

**Table 3: Technical Specification of EUT**

Technical Specification	Value
Operating Frequency band	2402 – 2480 MHz
Channel separation	1MHz
Extreme Temperature Range	-20°C to +55°C
Operation Voltage	DC5.4V via AC/DC Adapter
Modulation	GFSK, 8DPSK, $\pi/4$ DQPSK
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	0dBi
RF Output Power	0.0031W (4.92dBm)

**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. BT Transmitting
  - 1. Low channel
  - 2. Middle channel
  - 3. High channel
- B. BT Receiving
- C. FM
- D. Playing from AUX
- E. Standby
- F. Off



**Prüfbericht - Nr.: 17030657 001***Test Report No.***Seite 9 von 39***Page 9 of 39*

### **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.

### 4.3 Special Accessories and Auxiliary Equipment

The EUT was tested with following accessories

Description	Manufacturer	Type	Rating
AC/DC Adapter	-	HNA054110U	Input: 100-240Vac, 50-60Hz, 0.3A output: 5.4Vdc, 1.1A

## 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

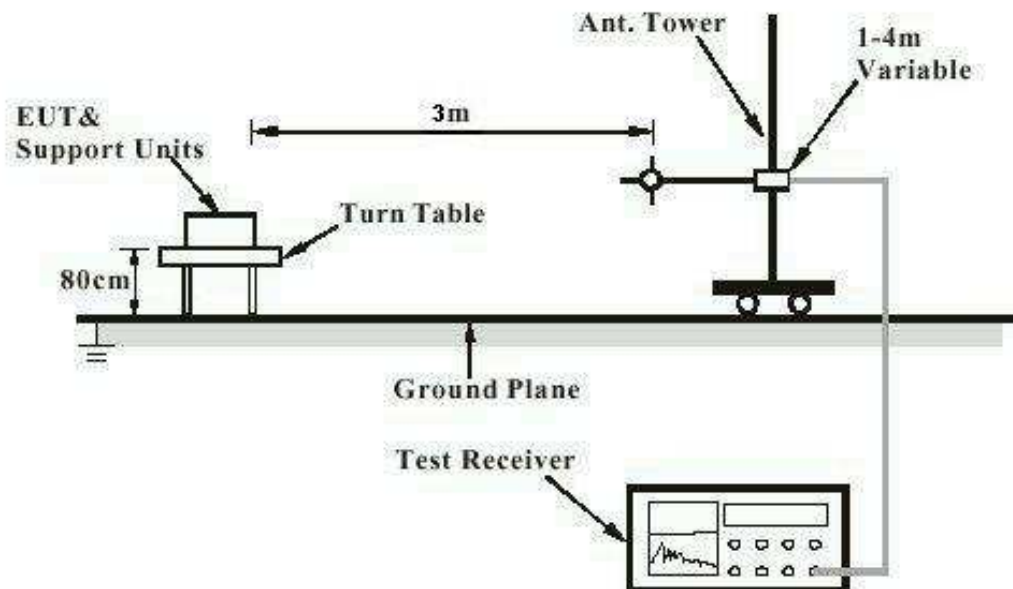


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement

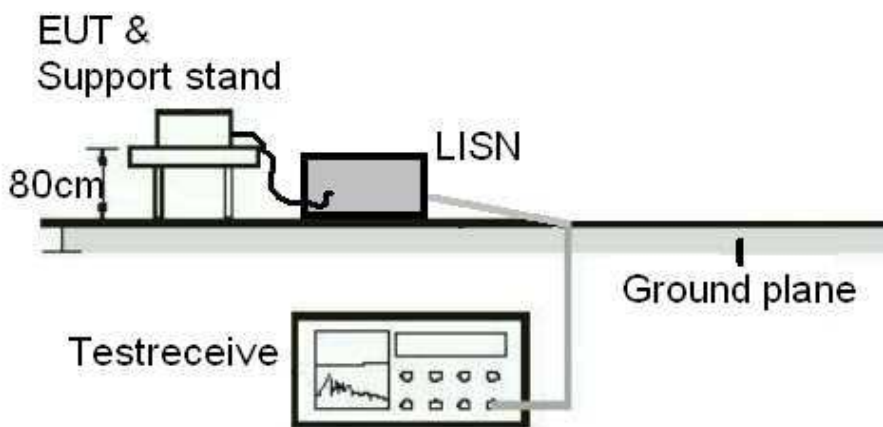
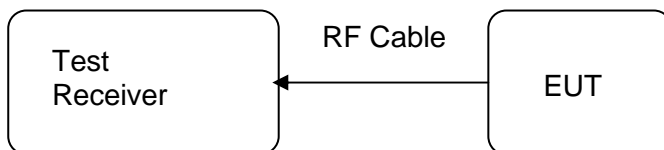


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**RESULT:****Passed**

Test date	:	2013-02-02
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 : 2013-02-02  
 Test standard : FCC Part 15.247(b)(1)  
                   : RSS-210 A8.4 (2)  
 Basic standard : ANSI C63.4: 2003  
 Limit : 0.125 Watt  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A  
 Ambient temperature : 22°C  
 Relative humidity : 53%  
 Atmospheric pressure : 101 kPa

**Table 5: Test result of Peak Output Power, GFSK modulation**

Channel	Channel Frequency (MHz)	Peak Output Power		Limit (W)
		(dBm)	(W)	
Low Channel	2402	4.34	0.00272	0.125
Middle Channel	2441	4.77	0.00300	0.125
High Channel	2480	4.92	0.00310	0.125

Remark: RBW is 1MHz

**Table 6: Test result of Peak Output Power, 8DPSK modulation**

Channel	Channel Frequency (MHz)	Peak Output Power		Limit (W)
		(dBm)	(W)	
Low Channel	2402	3.88	0.00244	0.125
Middle Channel	2441	4.22	0.00264	0.125
High Channel	2480	4.37	0.00274	0.125

Remark: RBW is 3MHz



### 5.1.4 99% Bandwidth

**RESULT:**
**Passed**

Date of testing : 2013-02-02  
 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 9: Test result of 99% Bandwidth, GFSK Modulation**

Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	930	/	Pass
Mid Channel	2441	930	/	Pass
High Channel	2480	930	/	Pass

**Table 10: Test result of 99% Bandwidth, 8DPSK Modulation**

Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	1206	/	Pass
Mid Channel	2441	1206	/	Pass
High Channel	2480	1206	/	Pass



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

**RESULT:****Passed**

Date of testing	:	2013-02-02
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

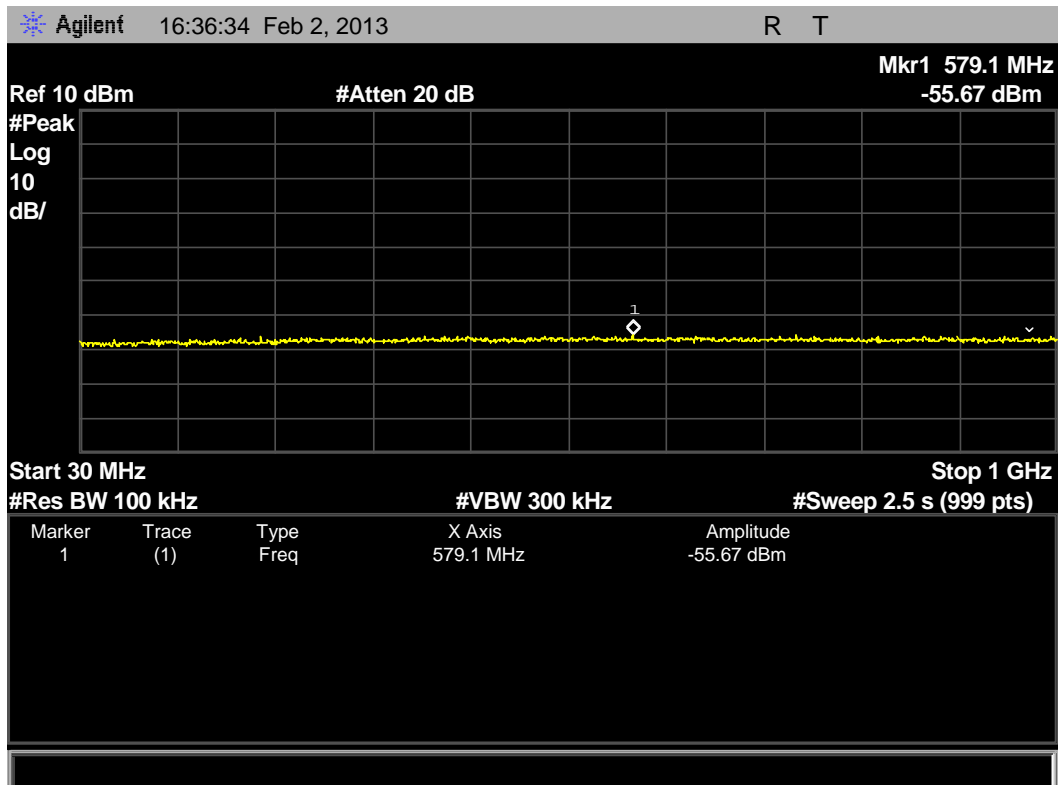
**Test setup**

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

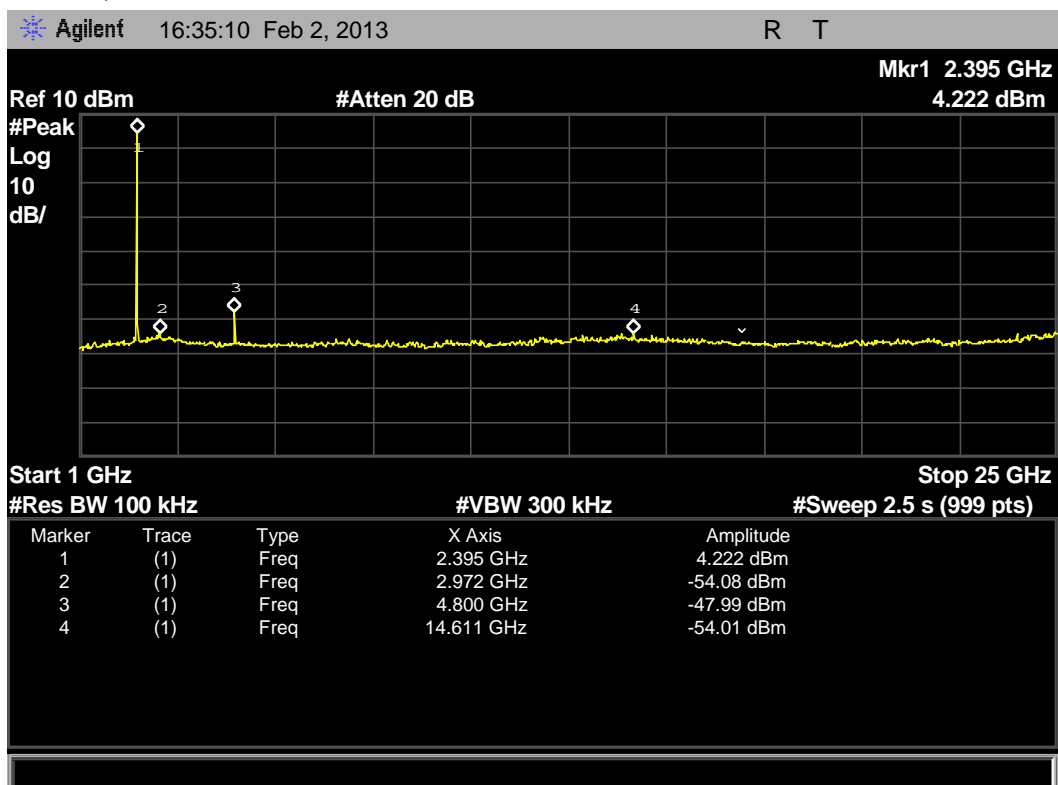
All emissions are more than 20dB below fundamental, details refer to following test plot, and compliance is achieved as well.

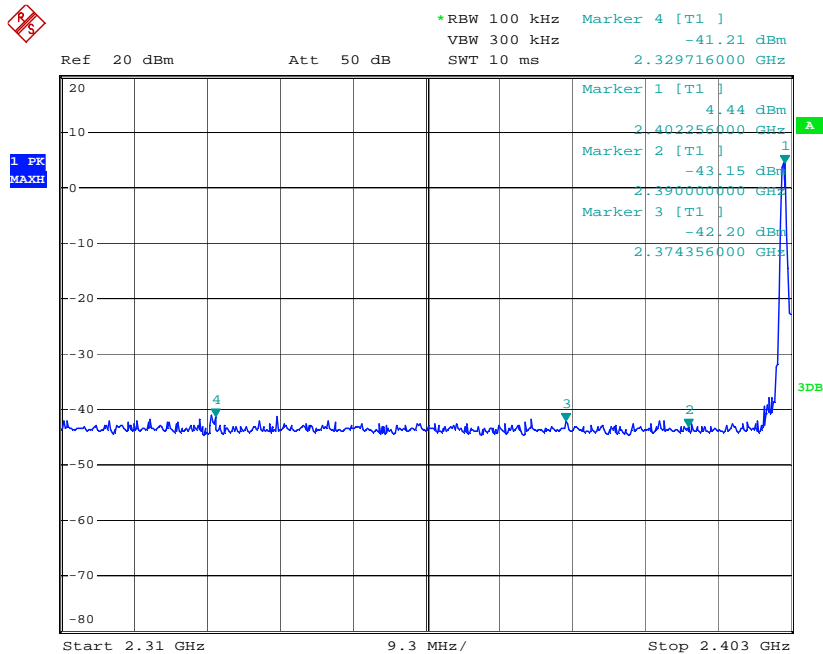
## Test Plot of 100kHz Bandwidth of Frequency Band Edge, GFSK modulation

### Low Channel, below 1GHz

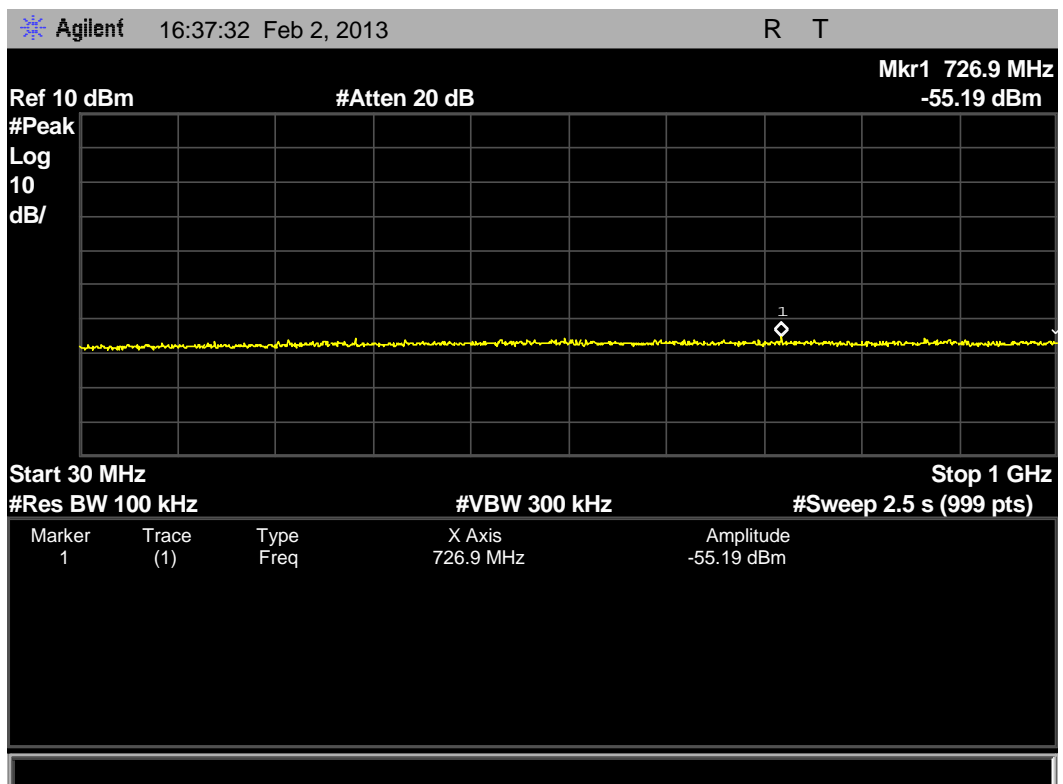


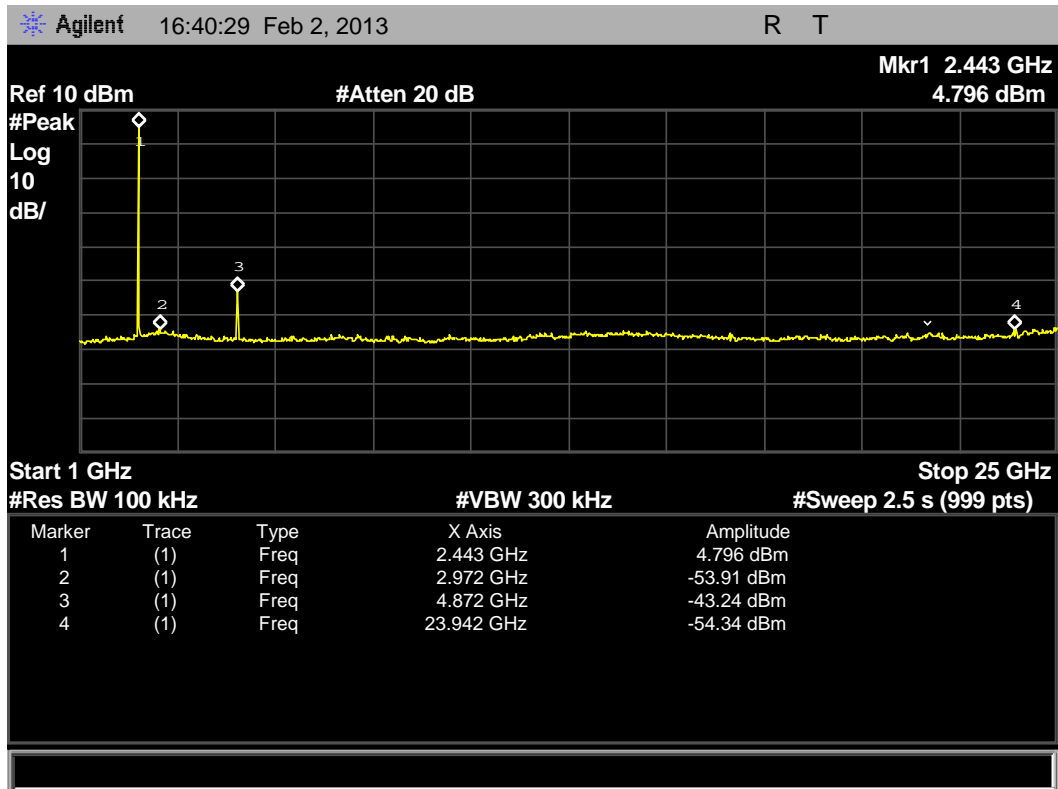
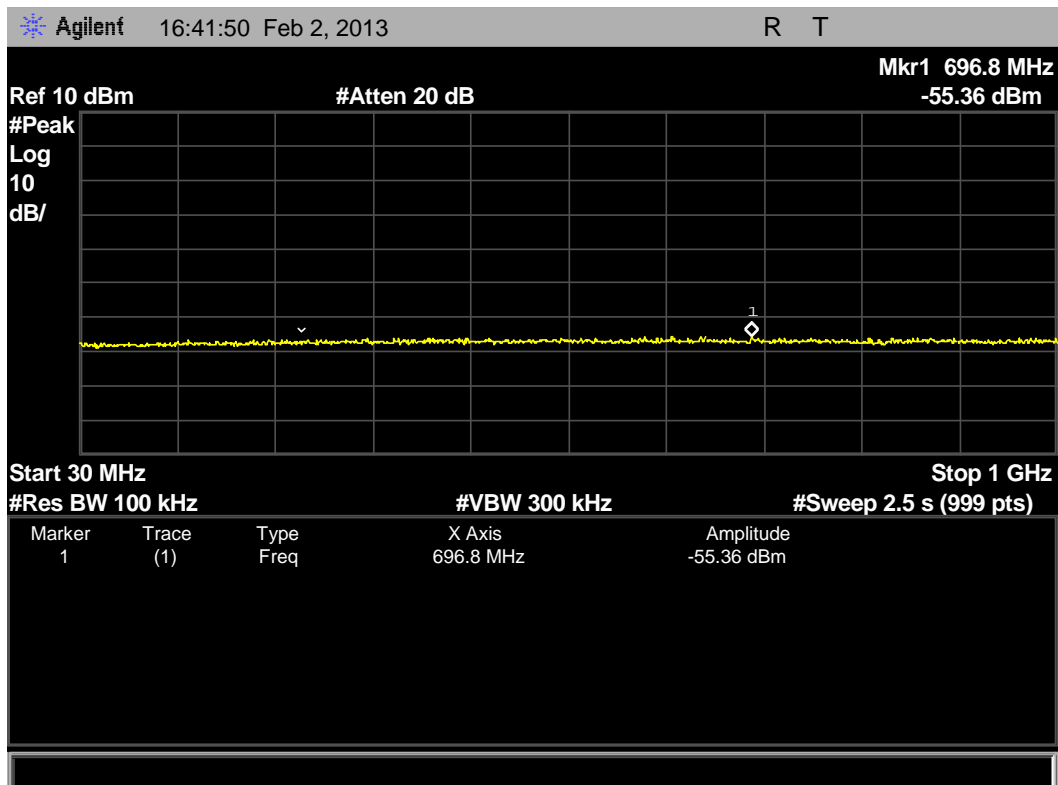
### Low Channel, above 1GHz

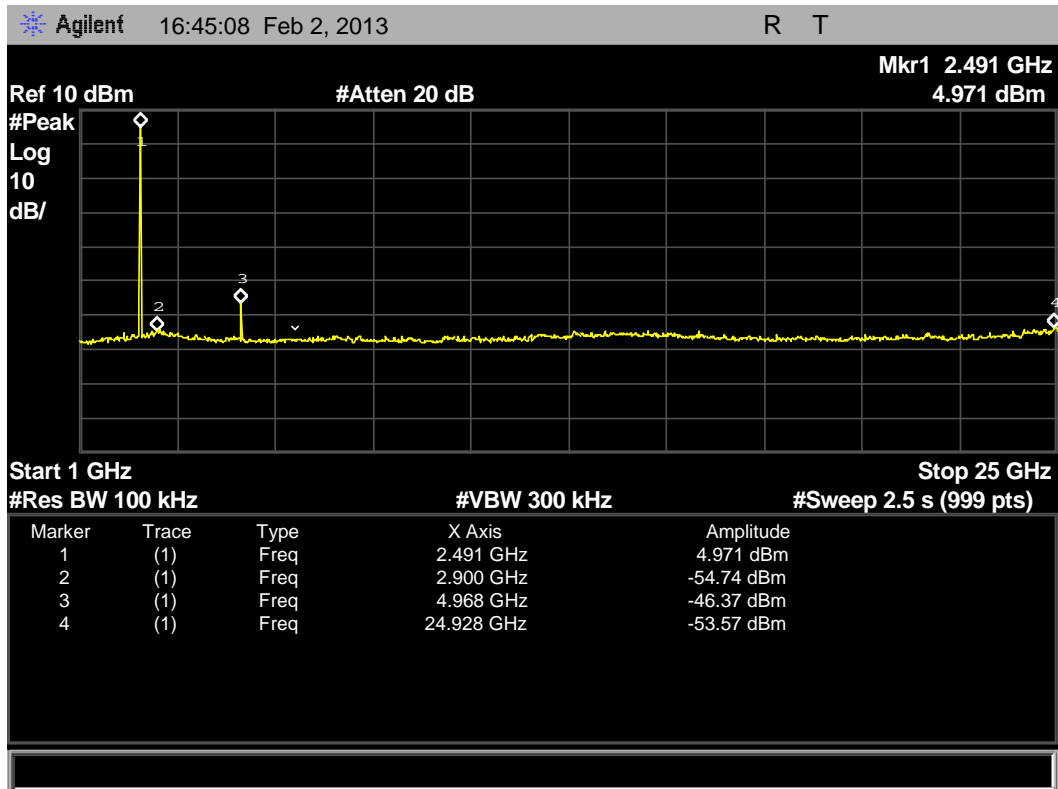
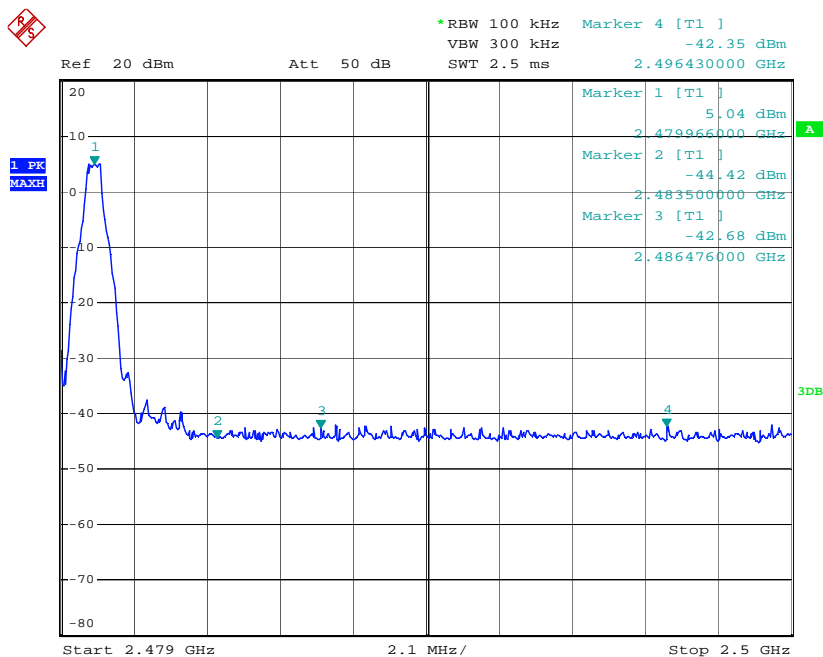


**Low Channel, Band Edge**


Date: 2.FEB.2013 15:36:01

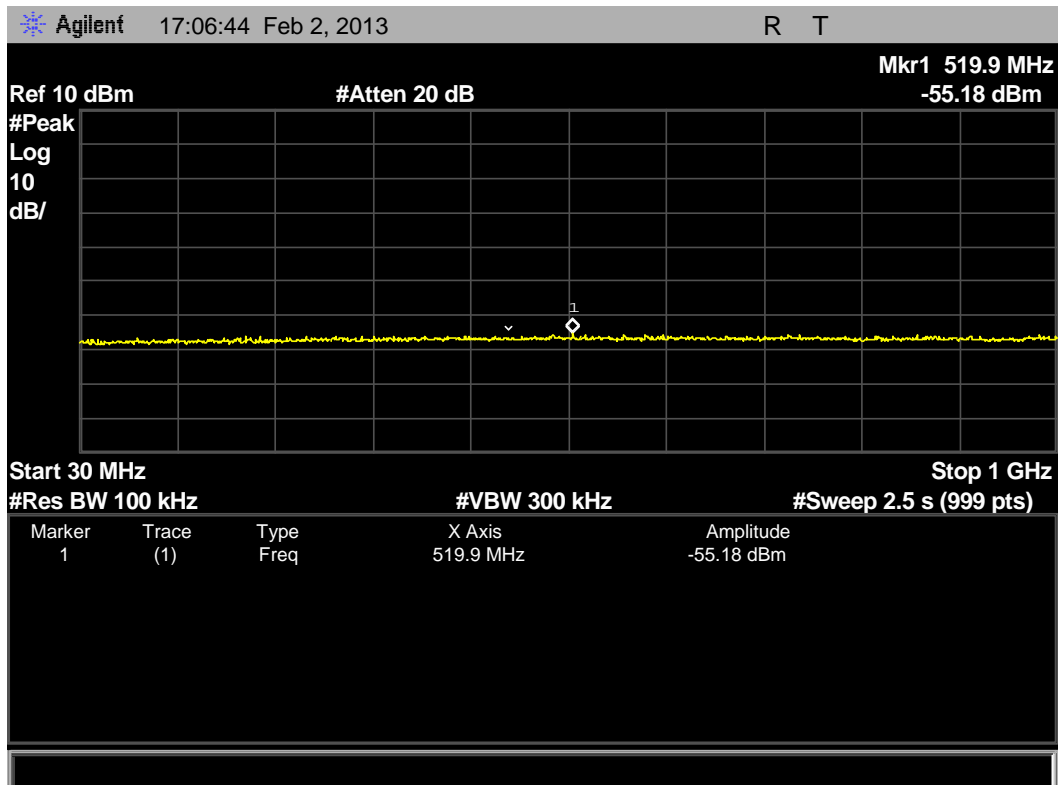
**Middle Channel, below 1GHz**


**Middle Channel, above 1GHz**

**High Channel, below 1GHz**


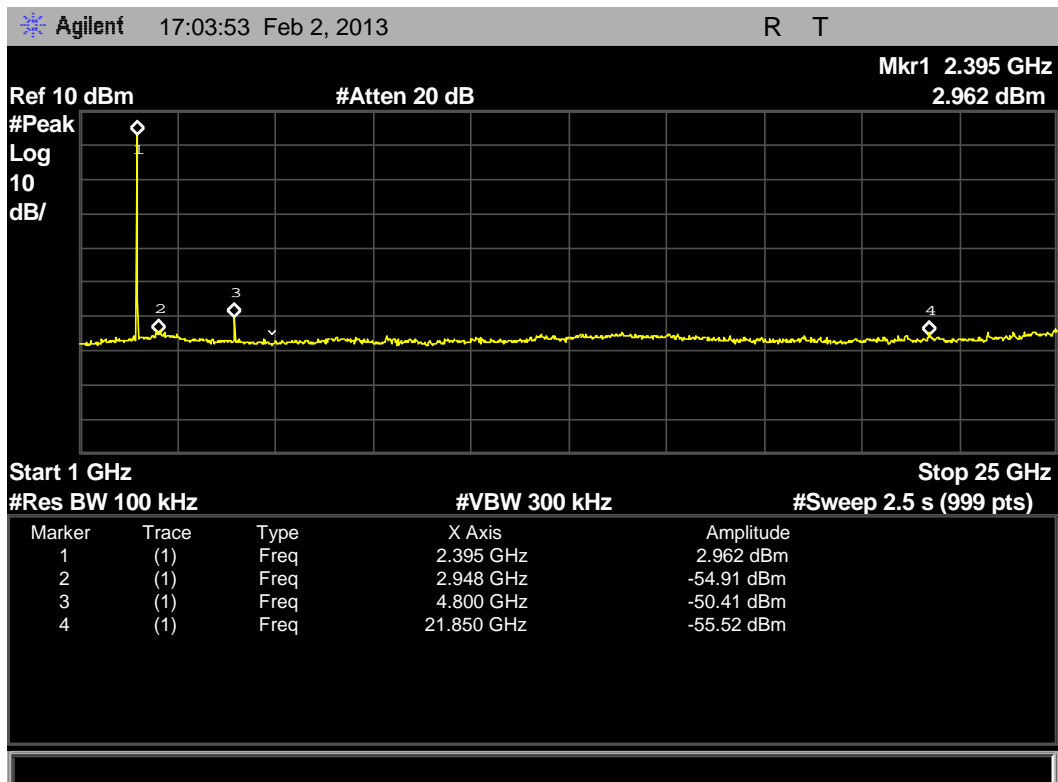
**High Channel, above 1GHz**

**High Channel, Band Edge**


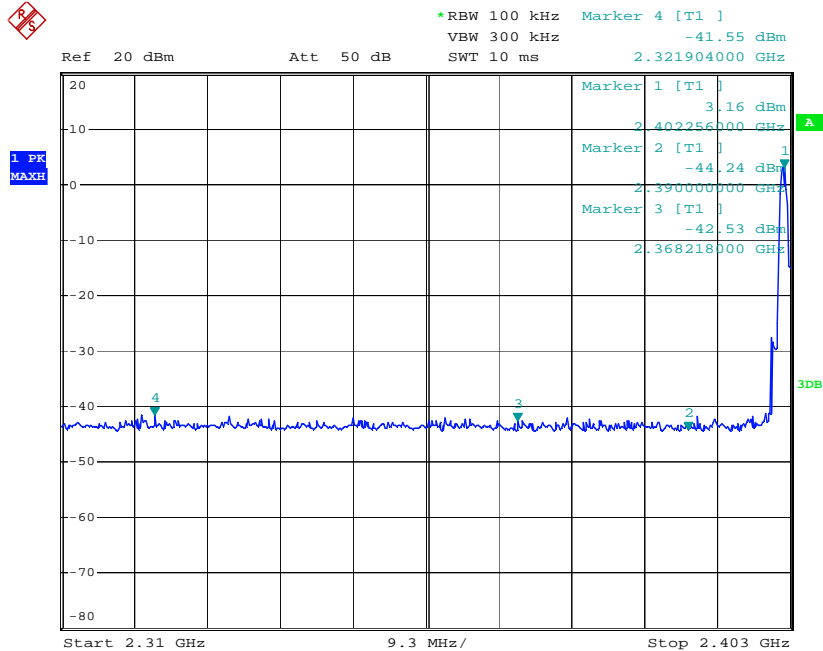
## Test Plot of 100kHz Bandwidth of Frequency Band Edge, 8DPSK modulation

### Low Channel, below 1GHz

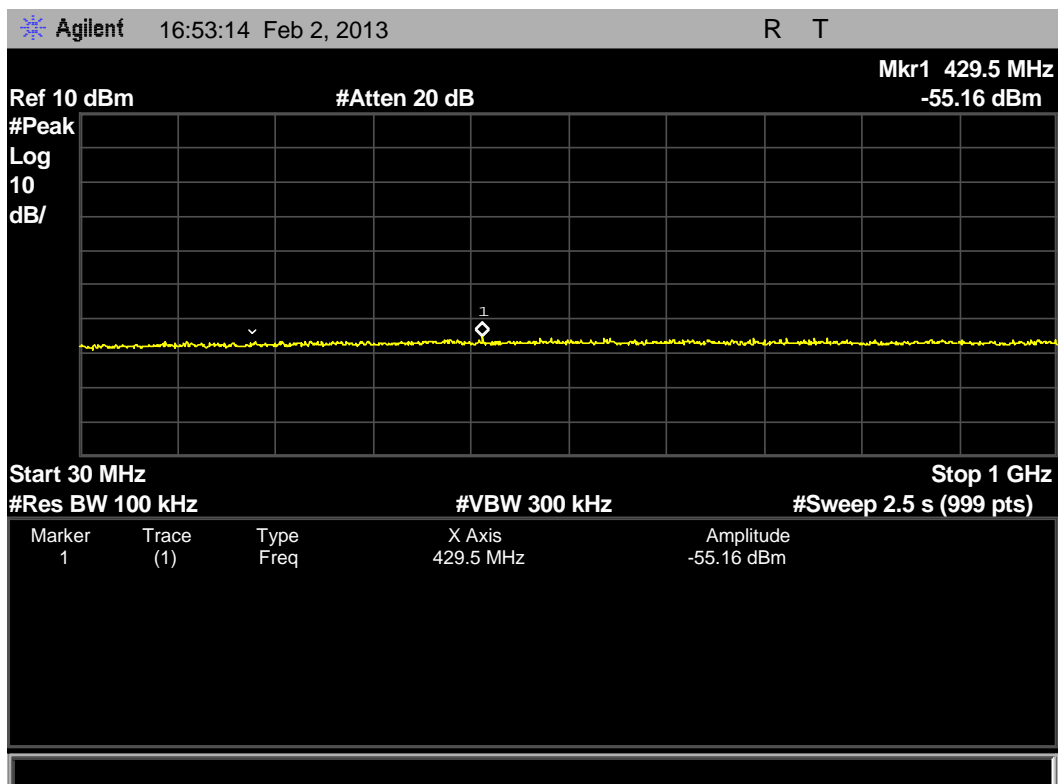


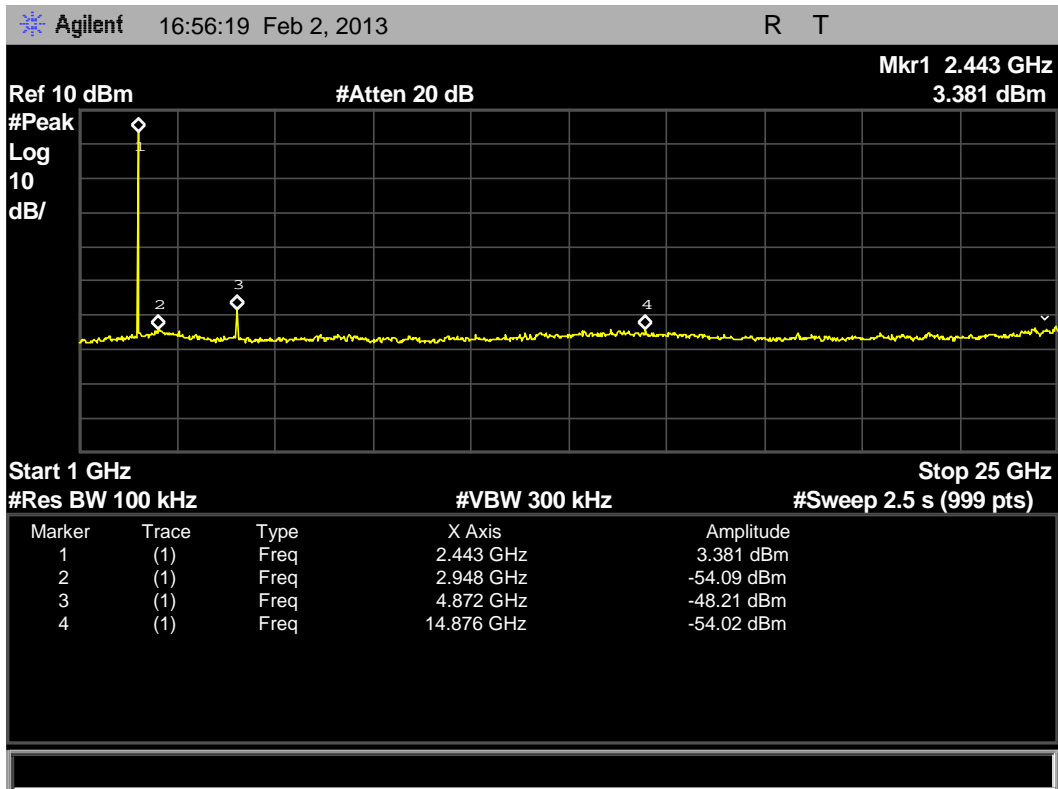
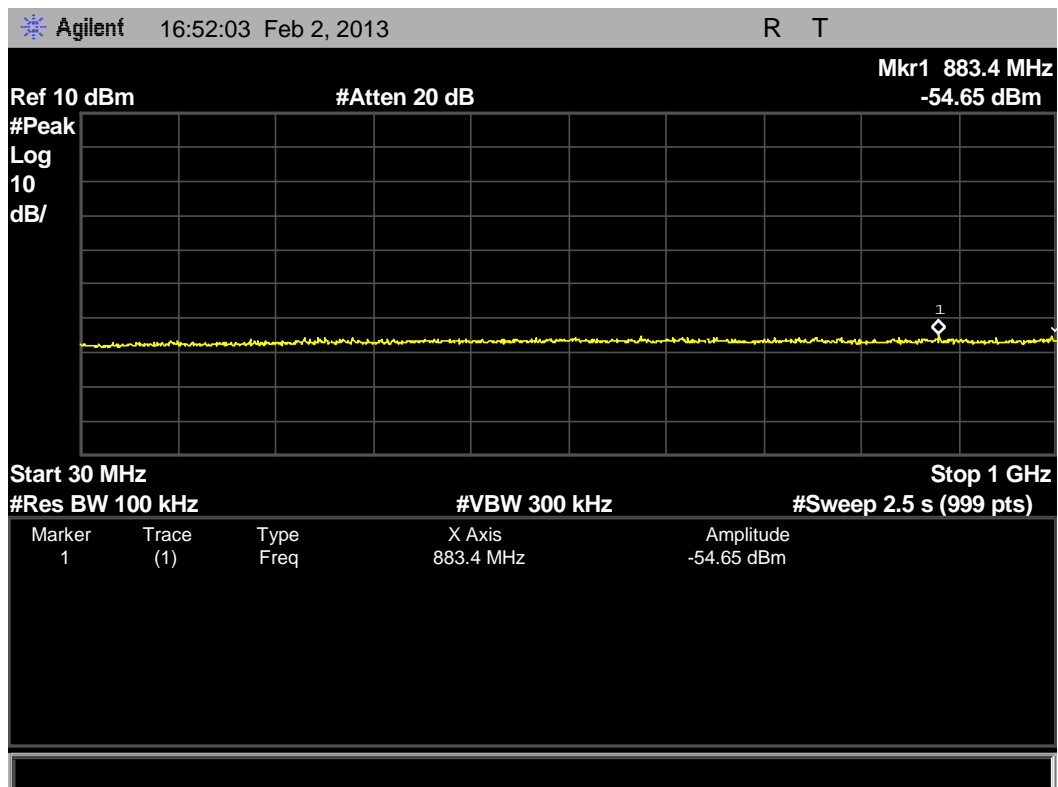
### Low Channel, above 1GHz



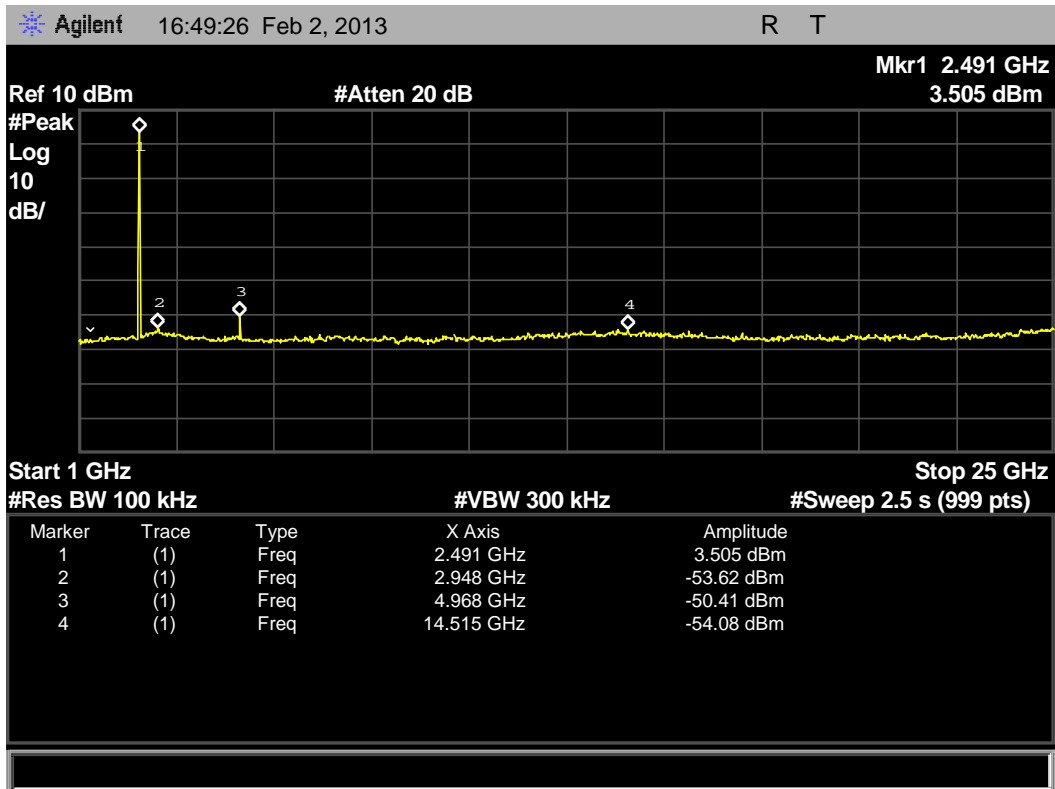
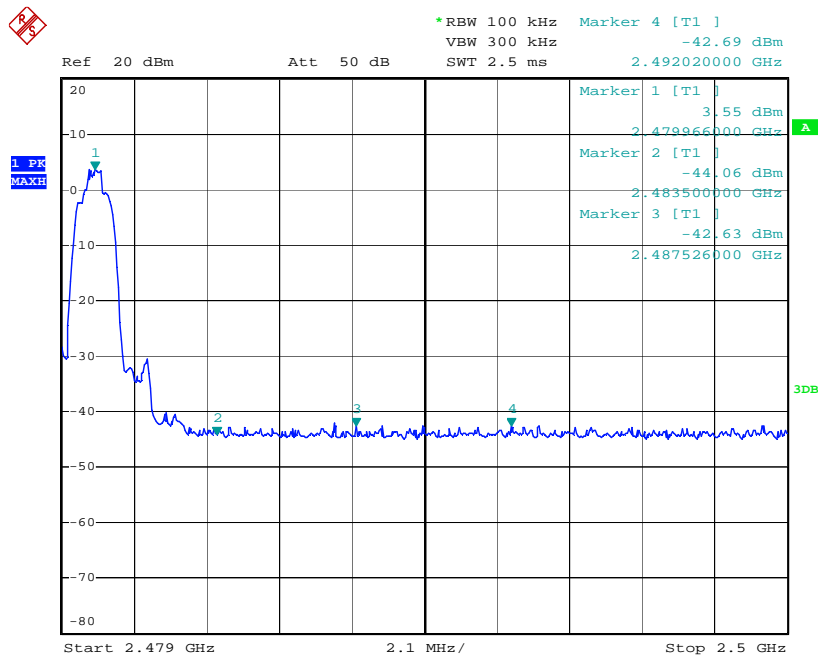
**Low Channel, Band Edge**


Date: 2.FEB.2013 15:32:24

**Middle Channel, below 1GHz**


**Middle Channel, above 1GHz**

**High Channel, below 1GHz**




**High Channel, above 1GHz**

**High Channel, Band Edge**


## 5.1.6 Spurious Emission

**RESULT:****Passed**

Date of testing	:	2013-02-02 to 2013-02-03
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	:	24°C
Relative humidity	:	48%
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 : 2013-02-02  
 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**

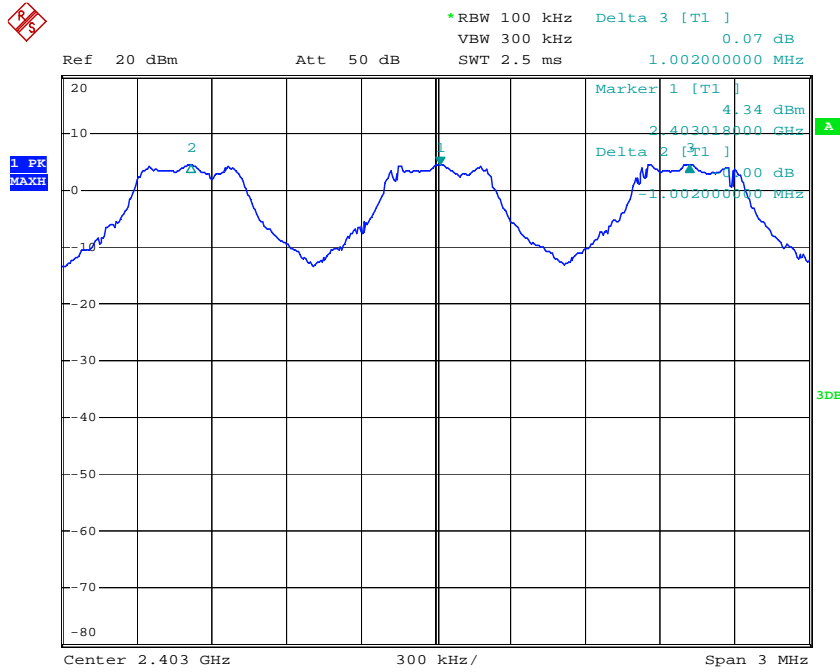
Test Channel : Low/ Middle/ High  
 Operation Mode : A  
 Ambient temperature : 22°C  
 Relative humidity : 52%  
 Atmospheric pressure : 101 kPa

**Table 11: 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			

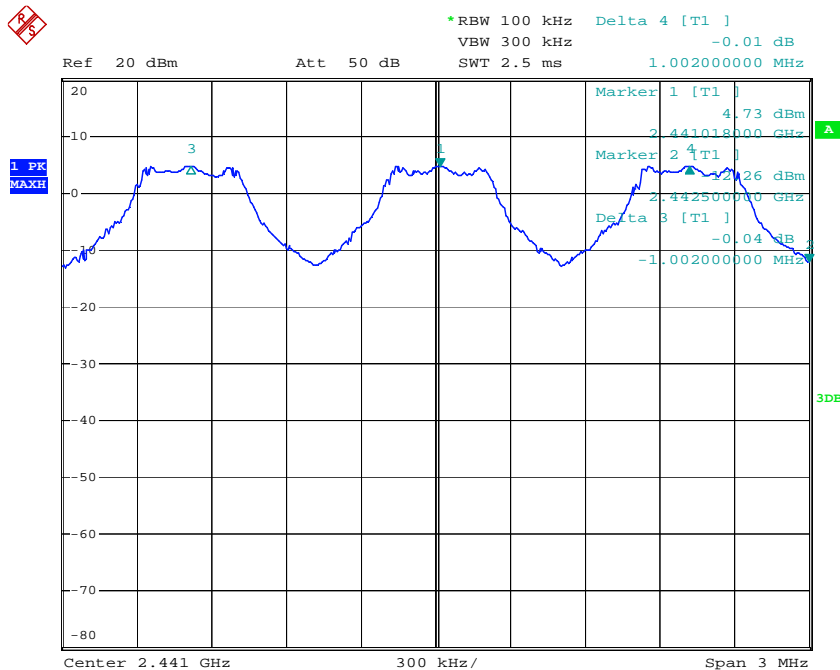
## Test Plot of Frequency Separation

### Low Channel



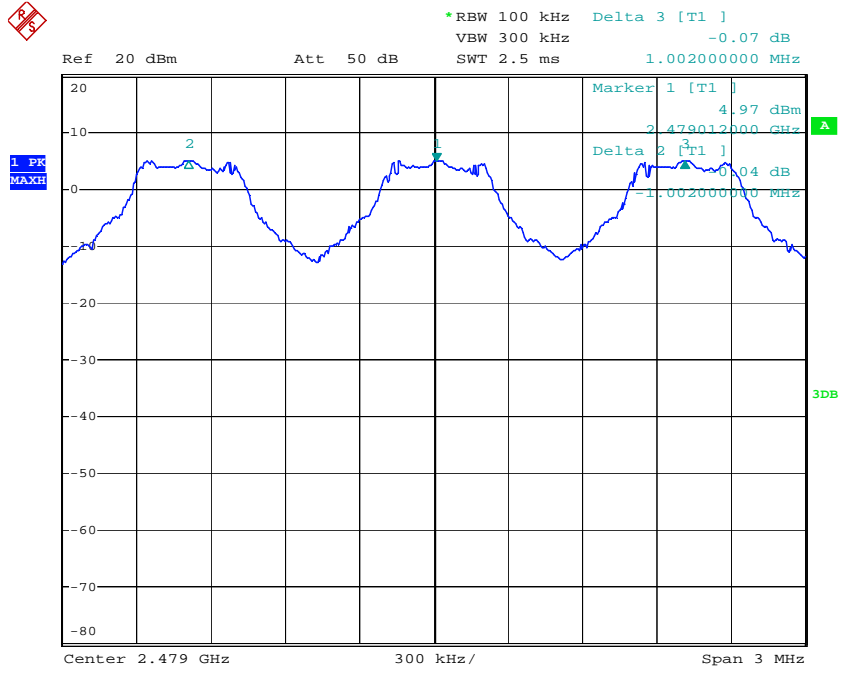
Date: 2.FEB.2013 14:02:05

### Middle Channel



Date: 2.FEB.2013 13:55:58

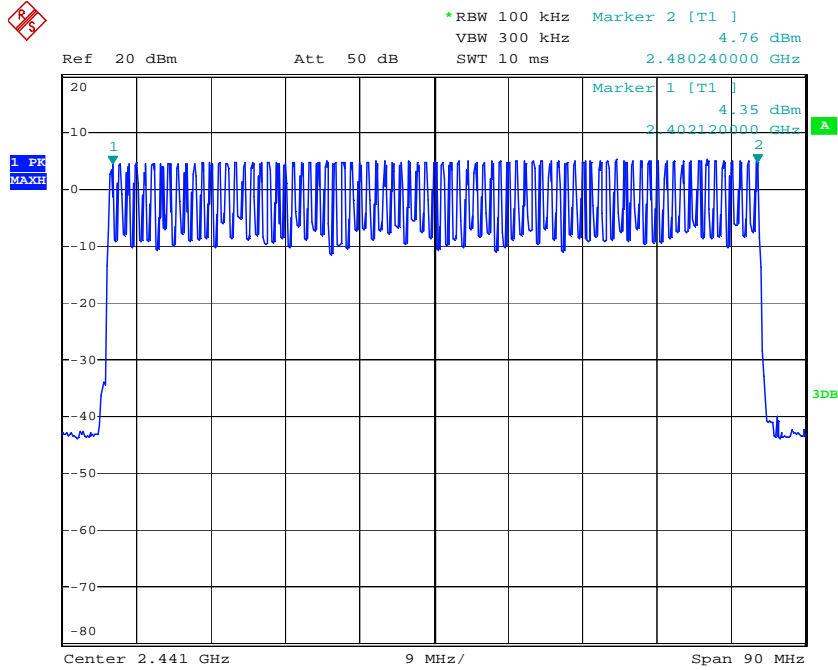
High Channel



Date: 2.FEB.2013 14:06:50



### Test Plot of Number of hopping frequencies



Date: 2.FEB.2013 13:51:29

### 5.1.9 Time of Occupancy

**RESULT:**
**Passed**

Date of testing : 2013-02-02  
 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 13: Test result of Time of Occupancy, GFSK modulation**

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	DH1	0.45	0.14	0.4	Pass
	DH3	1.74	0.28	0.4	Pass
	DH5	3.00	0.32	0.4	Pass
Mid Channel	DH1	0.45	0.14	0.4	Pass
	DH3	1.74	0.28	0.4	Pass
	DH5	3.00	0.32	0.4	Pass
High Channel	DH1	0.45	0.14	0.4	Pass
	DH3	1.74	0.28	0.4	Pass
	DH5	3.00	0.32	0.4	Pass



**Table 14: Test result of Time of Occupancy, 8DPSK modulation**

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	DH1	0.46	0.15	0.4	Pass
	DH3	1.76	0.28	0.4	Pass
	DH5	3.00	0.32	0.4	Pass
Mid Channel	DH1	0.46	0.15	0.4	Pass
	DH3	1.74	0.28	0.4	Pass
	DH5	3.00	0.32	0.4	Pass
High Channel	DH1	0.46	0.15	0.4	Pass
	DH3	1.74	0.28	0.4	Pass
	DH5	3.00	0.32	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

## 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 3.1mW 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.

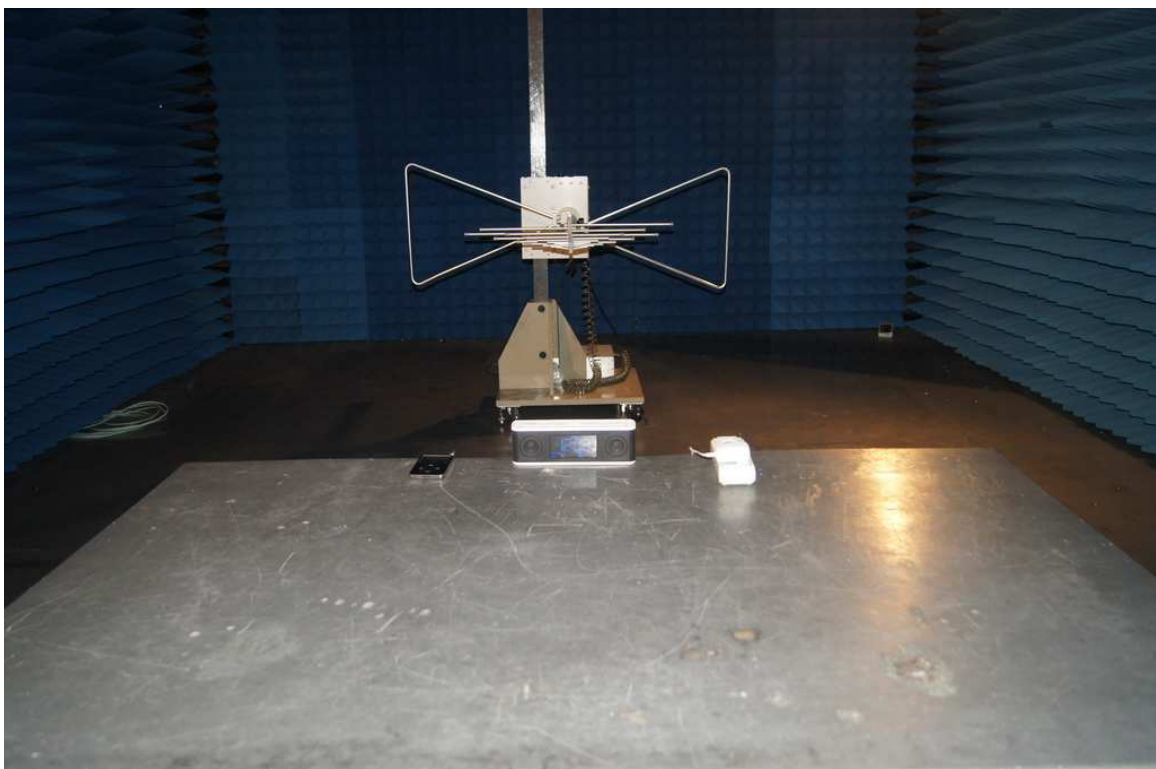
The minimum distance for the EUT is 5mm, since maximum peak output power of the transmitter is 3.1mW <10mW, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure.Guidance v05.

## 7. Photographs of the Test Set-Up

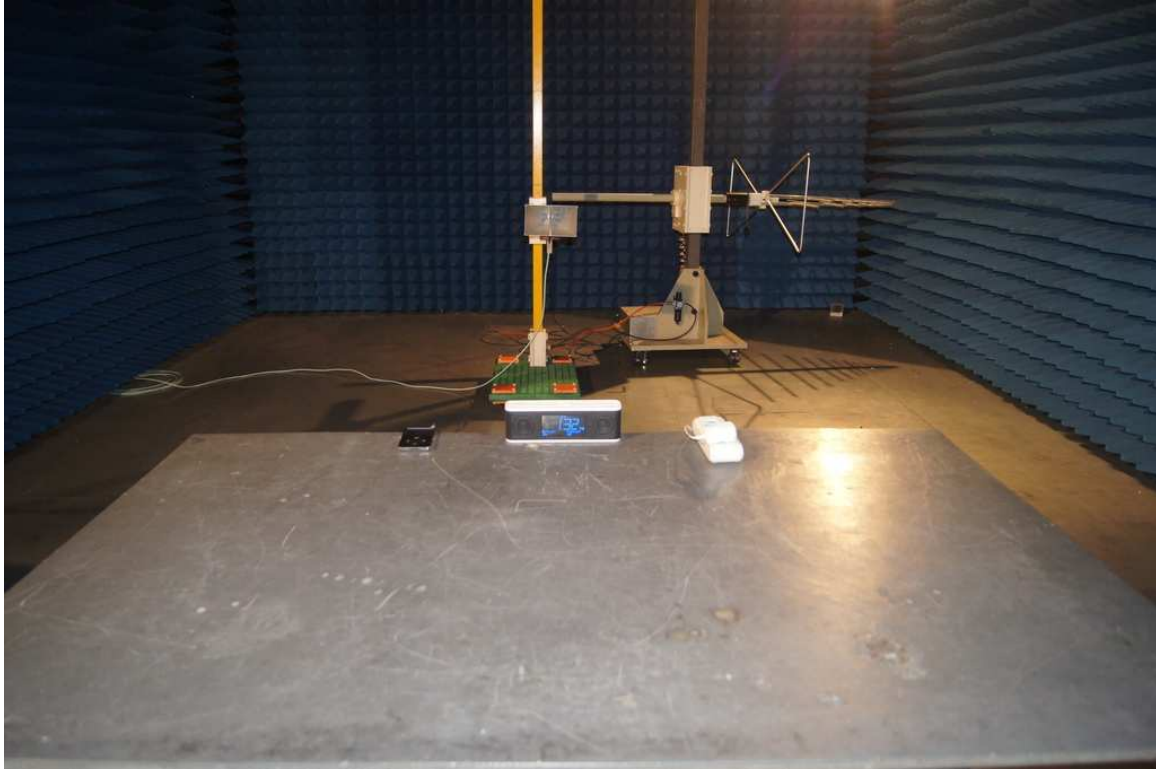
Photograph 1: Set-up for Spurious Emissions (9kHz-30MHz)



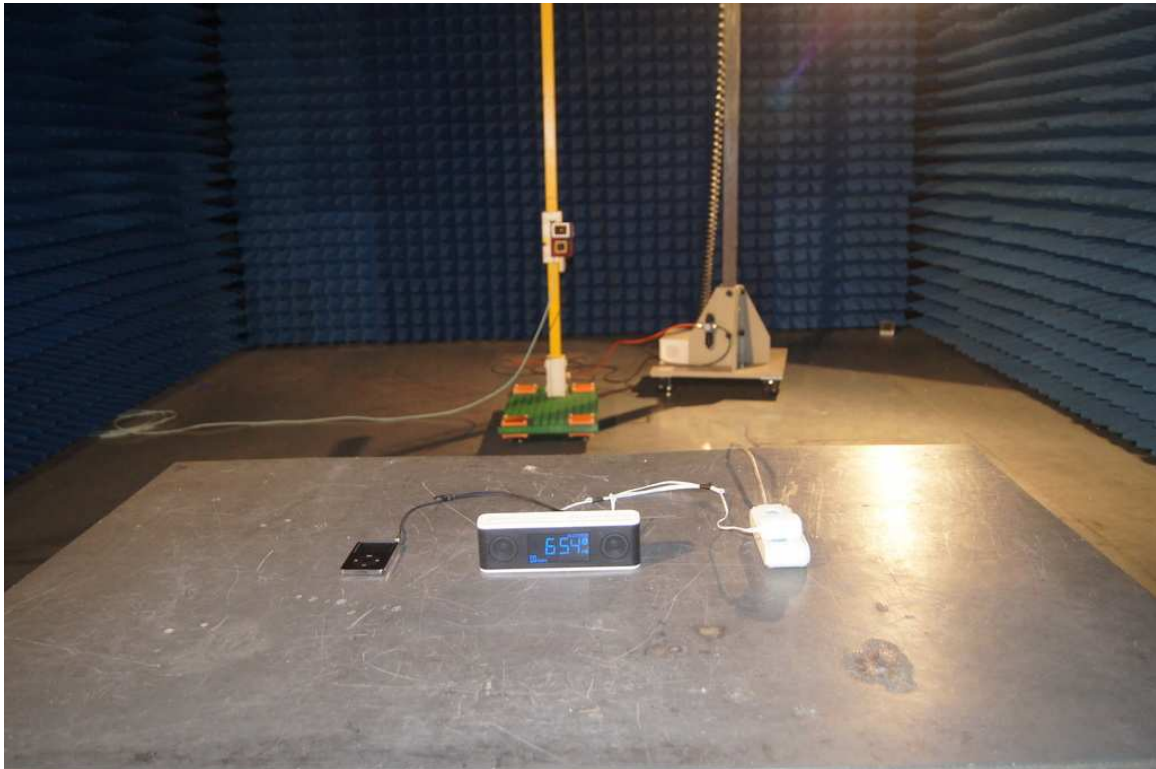
Photograph 2: Set-up for Spurious Emissions (30MHz-1GHz)



Photograph 3: Set-up for Spurious Emissions (1GHz-18GHz)



Photograph 4: Set-up for Spurious Emissions (18GHz-26GHz)



**Photograph 5: Set-up for Conducted Emissions**



**Photograph 6: Set-up for Radiated Emissions, below 1GHz**



**Photograph 7: Set-up for Radiated Emissions, above 1GHz**



## 8. List of Tables

Table 1: List of Test and Measurement Equipment .....	5
Table 2: Rating of EUT .....	7
Table 3: Technical Specification of EUT .....	7
Table 4: Frequency hopping information.....	8
Table 5: Test result of Peak Output Power, GFSK modulation.....	14
Table 6: Test result of Peak Output Power, 8DPSK modulation.....	14
Table 7: Test result of 20dB Bandwidth, GFSK modulation.....	15
Table 8: Test result of 20dB Bandwidth, 8DPSK modulation.....	15
Table 9: Test result of 99% Bandwidth, GFSK Modulation.....	16
Table 10: Test result of 99% Bandwidth, 8DPSK Modulation.....	16
Table 11: Test result of Frequency Separation.....	27
Table 12: Test result of Number of hopping frequency.....	30
Table 13: Test result of Time of Occupancy, GFSK modulation.....	32
Table 14: Test result of Time of Occupancy, 8DPSK modulation.....	33

## 9. List of Photographs

Photograph 1: Set-up for Spurious Emissions (9kHz-30MHz) .....	35
Photograph 2: Set-up for Spurious Emissions (30MHz-1GHz) .....	35
Photograph 3: Set-up for Spurious Emissions (1GHz-18GHz) .....	36
Photograph 4: Set-up for Spurious Emissions (18GHz-26GHz) .....	36
Photograph 5: Set-up for Conducted Emissions.....	37
Photograph 6: Set-up for Radiated Emissions, below 1GHz .....	37
Photograph 7: Set-up for Radiated Emissions, above 1GHz.....	38

## List of Figures

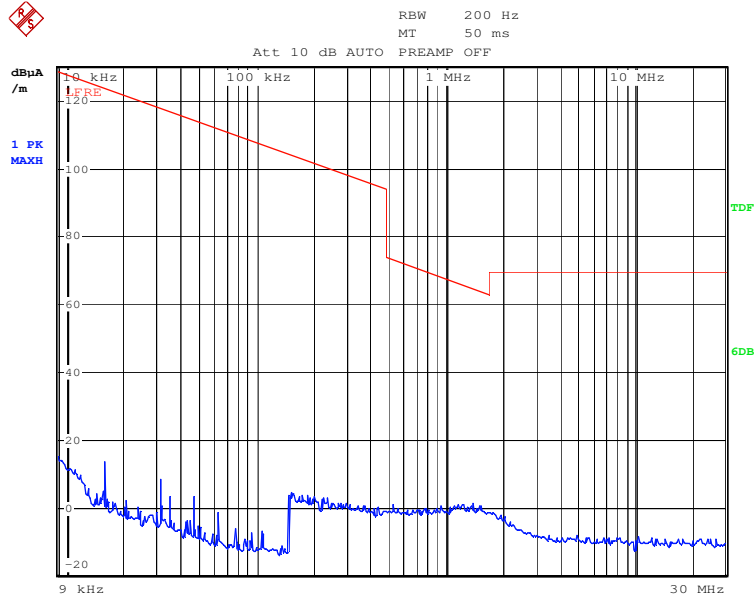
Figure 1: Test figure of spurious emissions, mode A.1, Horizontal polarity (9kHz – 30MHz), GFSK Modulation .....	4
Figure 2: Test figure of spurious emissions, mode A.1, Vertical polarity (9kHz – 30MHz), GFSK Modulation .....	4
Figure 3: Test figure of spurious emissions, mode A.1, Horizontal polarity (30MHz – 1GHz), GFSK Modulation .....	5
Figure 4: Test figure of spurious emissions, mode A.1, Vertical polarity (30MHz – 1GHz), GFSK Modulation .....	6
Figure 5: Test figure of spurious emissions, mode A.1, Horizontal polarity (1GHz – 18GHz), GFSK Modulation .....	7
Figure 6: Test figure of spurious emissions, mode A.1, Vertical polarity (1GHz – 18GHz), GFSK Modulation .....	8
Figure 7: Test figure of spurious emissions, mode A.1, Horizontal polarity (18GHz – 25GHz), GFSK Modulation .....	9
Figure 8: Test figure of spurious emissions, mode A.1, Vertical polarity (18GHz – 25GHz), GFSK Modulation .....	10
Figure 9: Test figure of spurious emissions, mode A.2, Horizontal polarity (9kHz – 30MHz), GFSK Modulation .....	11
Figure 10: Test figure of spurious emissions, mode A.2, Vertical polarity (9kHz – 30MHz), GFSK Modulation .....	11
Figure 11: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz), GFSK Modulation .....	12
Figure 12: Test figure of spurious emissions, mode A.2, Vertical polarity (30MHz – 1GHz), GFSK Modulation .....	13
Figure 13: Test figure of spurious emissions, mode A.2, Horizontal polarity (1GHz – 18GHz), GFSK Modulation .....	14
Figure 14: Test figure of spurious emissions, mode A.2, Vertical polarity (1GHz – 18GHz), GFSK Modulation .....	15
Figure 15: Test figure of spurious emissions, mode A.2, Horizontal polarity (18GHz – 25GHz), GFSK Modulation .....	16
Figure 16: Test figure of spurious emissions, mode A.2, Vertical polarity (18GHz – 25GHz), GFSK Modulation .....	17
Figure 17: Test figure of spurious emissions, mode A.3, Horizontal polarity (9kHz – 30MHz), GFSK Modulation .....	18
Figure 18: Test figure of spurious emissions, mode A.3, Vertical polarity (9kHz – 30MHz), GFSK Modulation .....	18
Figure 19: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz), GFSK Modulation .....	19
Figure 20: Test figure of spurious emissions, mode A.3, Vertical polarity (30MHz – 1GHz), GFSK Modulation .....	20
Figure 21: Test figure of spurious emissions, mode A.3, Horizontal polarity (1GHz – 18GHz), GFSK Modulation .....	21
Figure 22: Test figure of spurious emissions, mode A.3, Vertical polarity (1GHz – 18GHz), GFSK Modulation .....	22
Figure 23: Test figure of spurious emissions, mode A.3, Horizontal polarity (18GHz – 25GHz), GFSK Modulation .....	23
Figure 24: Test figure of spurious emissions, mode A.3, Vertical polarity (18GHz – 25GHz), GFSK Modulation .....	24
Figure 25: Test figure of spurious emissions, mode A.1, Horizontal polarity (9kHz – 30MHz), 8DPSK Modulation .....	25
Figure 26: Test figure of spurious emissions, mode A.1, Vertical polarity (9kHz – 30MHz), 8DPSK Modulation .....	25



Figure 27: Test figure of spurious emissions, mode A.1, Horizontal polarity (30MHz – 1GHz), 8DPSK Modulation .....	26
Figure 28: Test figure of spurious emissions, mode A.1, Vertical polarity (30MHz – 1GHz), 8DPSK Modulation .....	27
Figure 29: Test figure of spurious emissions, mode A.1, Horizontal polarity (1GHz – 18GHz), 8DPSK Modulation .....	28
Figure 30: Test figure of spurious emissions, mode A.1, Vertical polarity (1GHz – 18GHz), 8DPSK Modulation .....	29
Figure 31: Test figure of spurious emissions, mode A.1, Horizontal polarity (18GHz – 25GHz), 8DPSK Modulation .....	30
Figure 32: Test figure of spurious emissions, mode A.1, Vertical polarity (18GHz – 25GHz), 8DPSK Modulation .....	31
Figure 33: Test figure of spurious emissions, mode A.2, Horizontal polarity (9kHz – 30MHz), 8DPSK Modulation .....	32
Figure 34: Test figure of spurious emissions, mode A.2, Vertical polarity (9kHz – 30MHz), 8DPSK Modulation .....	32
Figure 35: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz), 8DPSK Modulation .....	33
Figure 36: Test figure of spurious emissions, mode A.2, Vertical polarity (30MHz – 1GHz), 8DPSK Modulation .....	34
Figure 37: Test figure of spurious emissions, mode A.2, Horizontal polarity (1GHz – 18GHz), 8DPSK Modulation .....	35
Figure 38: Test figure of spurious emissions, mode A.2, Vertical polarity (1GHz – 18GHz), 8DPSK Modulation .....	36
Figure 39: Test figure of spurious emissions, mode A.2, Horizontal polarity (18GHz – 25GHz), 8DPSK Modulation .....	37
Figure 40: Test figure of spurious emissions, mode A.2, Vertical polarity (18GHz – 25GHz), 8DPSK Modulation .....	38
Figure 41: Test figure of spurious emissions, mode A.3, Horizontal polarity (9kHz – 30MHz), 8DPSK Modulation .....	39
Figure 42: Test figure of spurious emissions, mode A.3, Vertical polarity (9kHz – 30MHz), 8DPSK Modulation .....	39
Figure 43: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz), 8DPSK Modulation .....	40
Figure 44: Test figure of spurious emissions, mode A.3, Vertical polarity (30MHz – 1GHz), 8DPSK Modulation .....	41
Figure 45: Test figure of spurious emissions, mode A.3, Horizontal polarity (1GHz – 18GHz), 8DPSK Modulation .....	42
Figure 46: Test figure of spurious emissions, mode A.3, Vertical polarity (1GHz – 18GHz), 8DPSK Modulation .....	43
Figure 47: Test figure of spurious emissions, mode A.3, Horizontal polarity (18GHz – 25GHz), 8DPSK Modulation .....	44
Figure 48: Test figure of spurious emissions, mode A.3, Vertical polarity (18GHz – 25GHz), 8DPSK Modulation .....	45
Figure 49: Test figure of spurious emissions, mode B, Horizontal polarity (9kHz – 30MHz), GFSK Modulation .....	46
Figure 50: Test figure of spurious emissions, mode B, Vertical polarity (9kHz – 30MHz), GFSK Modulation .....	46
Figure 51: Test figure of spurious emissions, mode B, Horizontal polarity (30MHz – 1GHz), GFSK Modulation .....	47
Figure 52: Test figure of spurious emissions, mode B, Vertical polarity (30MHz – 1GHz), GFSK Modulation .....	48
Figure 53: Test figure of spurious emissions, mode B, Horizontal polarity (1GHz – 18GHz), GFSK Modulation .....	49
Figure 54: Test figure of spurious emissions, mode B, Vertical polarity (1GHz – 18GHz), GFSK Modulation .....	50
Figure 55: Test figure of spurious emissions, mode B, Horizontal polarity (18GHz – 25GHz), GFSK Modulation .....	51

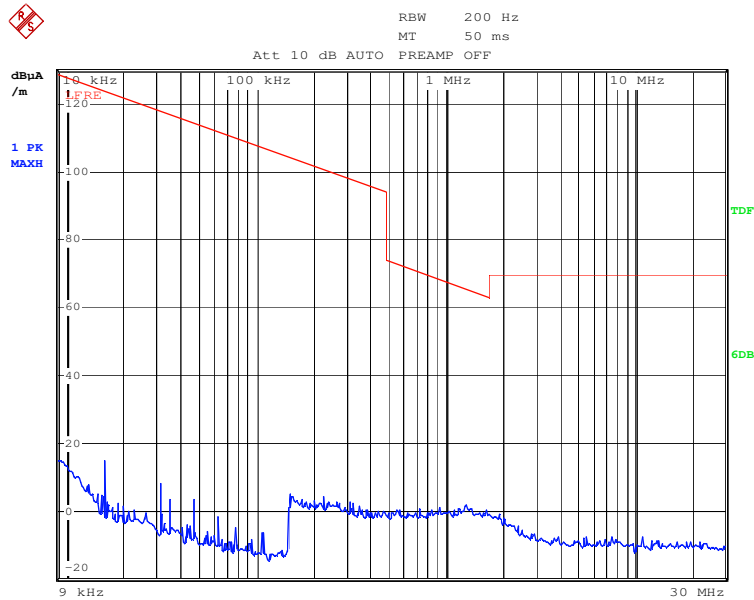
Figure 56: Test figure of spurious emissions, mode B, Vertical polarity (18GHz – 25GHz), GFSK Modulation .....	52
Figure 57: Test figure of spurious emissions, mode B, Horizontal polarity (9kHz – 30MHz), 8DPSK Modulation .....	53
Figure 58: Test figure of spurious emissions, mode B, Vertical polarity (9kHz – 30MHz), 8DPSK Modulation .....	53
Figure 59: Test figure of spurious emissions, mode B, Horizontal polarity (30MHz – 1GHz), 8DPSK Modulation .....	54
Figure 60: Test figure of spurious emissions, mode B, Vertical polarity (30MHz – 1GHz), 8DPSK Modulation .....	55
Figure 61: Test figure of spurious emissions, mode B, Horizontal polarity (1GHz – 18GHz), 8DPSK Modulation .....	56
Figure 62: Test figure of spurious emissions, mode B, Vertical polarity (1GHz – 18GHz), 8DPSK Modulation .....	57
Figure 63: Test figure of spurious emissions, mode B, Horizontal polarity (18GHz – 25GHz), 8DPSK Modulation .....	58
Figure 64: Test figure of spurious emissions, mode B, Vertical polarity (18GHz – 25GHz), 8DPSK Modulation .....	59
Figure 65: Test figure of Radiated emissions in restricted bands, Mode A.1, Horizontal, GFSK Modulation .....	60
Figure 66: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical, GFSK Modulation .....	61
Figure 67: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal, GFSK Modulation .....	62
Figure 68: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical, GFSK Modulation .....	63
Figure 69: Test figure of Radiated emissions in restricted bands, Mode A.1, Horizontal, 8DPSK Modulation .....	64
Figure 70: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical, 8DPSK Modulation .....	65
Figure 71: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal, 8DPSK Modulation .....	66
Figure 72: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical, 8DPSK Modulation .....	67
Figure 73: Test figure of Conducted emissions, Mode A, line live .....	68
Figure 74: Test figure of Conducted emissions, Mode A, line neutral .....	69
Figure 75: Test figure of Conducted emissions, Mode C, line live .....	70
Figure 76: Test figure of Conducted emissions, Mode C, line neutral .....	71
Figure 77: Test figure of Conducted emissions, Mode D, line live .....	72
Figure 78: Test figure of Conducted emissions, Mode D, line neutral .....	73
Figure 79: Test figure of Radiated emissions, Mode C, Below 1GHz, Horizontal .....	74
Figure 80: Test figure of Radiated emissions, Mode C, Below 1GHz, Vertical .....	75
Figure 81: Test figure of Radiated emissions, Mode C, Above 1GHz, Horizontal .....	76
Figure 82: Test figure of Radiated emissions, Mode C, Above 1GHz, Vertical .....	77
Figure 83: Test figure of Radiated emissions, Mode D, Below 1GHz, Horizontal .....	78
Figure 84: Test figure of Radiated emissions, Mode D, Below 1GHz, Vertical .....	79
Figure 85: Test figure of Radiated emissions, Mode D, Above 1GHz, Horizontal .....	80
Figure 86: Test figure of Radiated emissions, Mode D, Above 1GHz, Vertical .....	81

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



Date: 3.FEB.2013 14:26:12

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



Date: 3.FEB.2013 14:28:01

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



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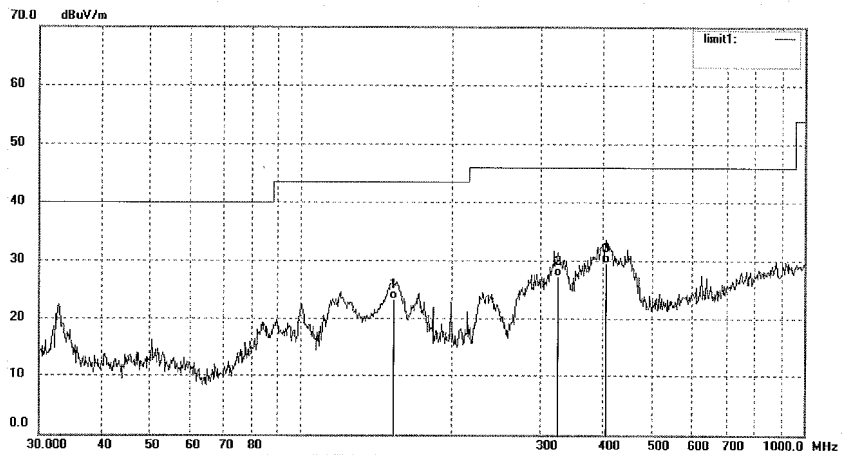
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #783	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 10/52/31
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	153.5567	11.84	11.55	23.39	43.50	-20.11	QP			
2	324.8645	9.87	17.54	27.41	46.00	-18.59	QP			
3	403.9335	10.26	19.47	29.73	46.00	-16.27	QP			

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



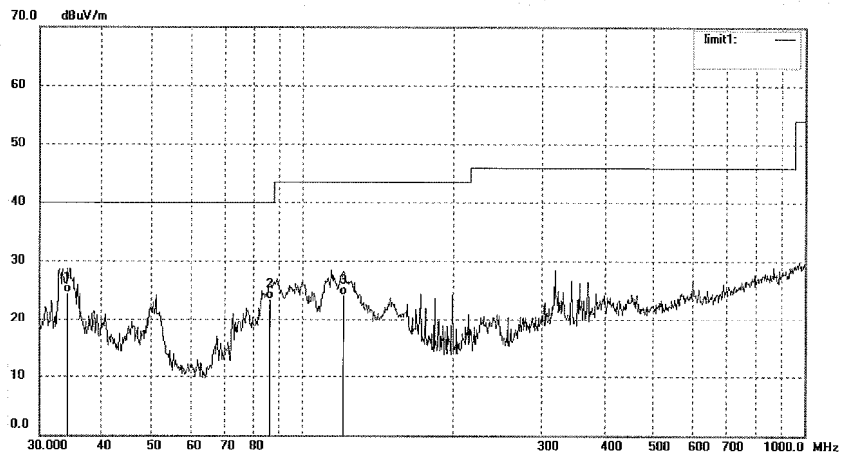
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #782	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 10/44/41
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	
Note: BDR	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.8697	8.80	15.80	24.60	40.00	-15.40	QP			
2	86.7795	9.88	13.67	23.55	40.00	-16.45	QP			
3	120.6118	10.62	13.60	24.22	43.50	-19.28	QP			

**Figure 5: Test figure of spurious emissions, mode A.1, Horizontal polarity (1GHz –18GHz), GFSK Modulation**



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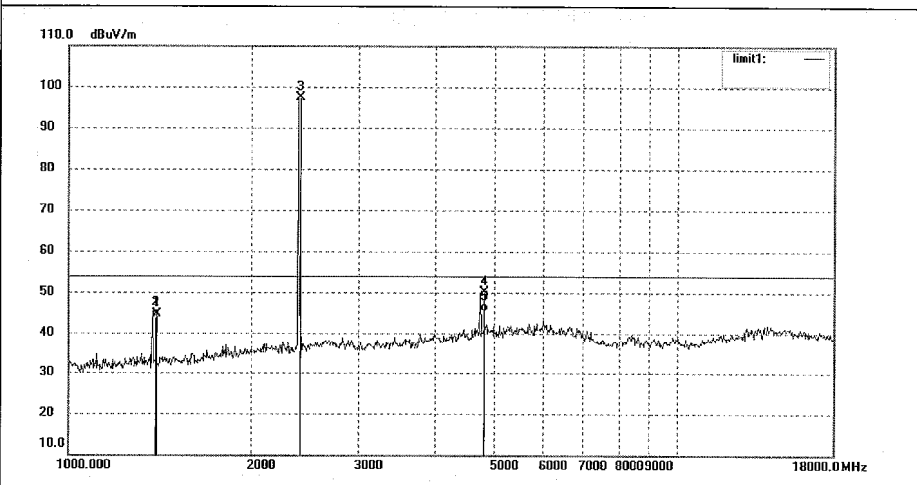
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #754	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 2013/02/02
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 17:54:30
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.477	56.45	-11.81	44.64	74.00	-29.36	peak			
2	1398.477	55.69	-11.81	43.88	54.00	-10.12	AVG			
3	2402.007	104.74	-7.45	97.29	/	/	peak			
4	4804.010	50.36	-0.30	50.06	74.00	-23.94	peak			
5	4804.010	45.70	-0.30	45.40	54.00	-8.60	AVG			

**Figure 6: Test figure of spurious emissions, mode A.1, Vertical polarity (1GHz – 18GHz), GFSK Modulation**

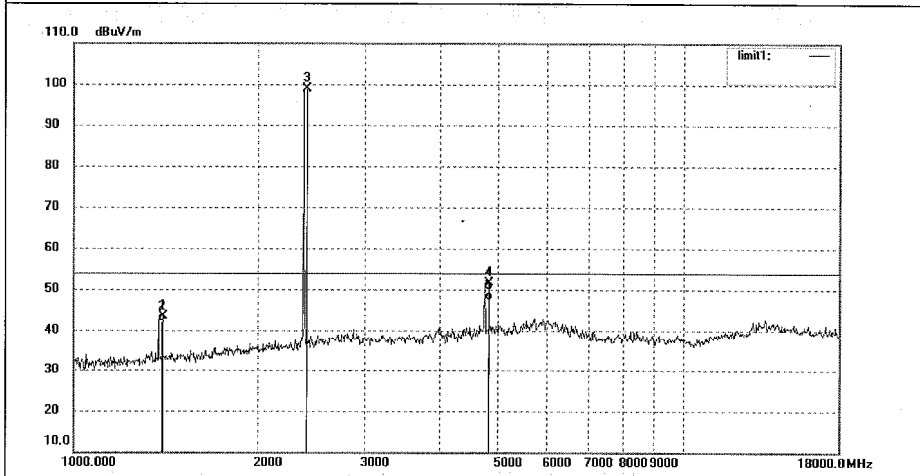


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #755	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 2013/02/02
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 18:08:13
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.484	55.11	-11.81	43.30	74.00	-30.70	peak			
2	1398.484	54.05	-11.81	42.24	54.00	-11.76	AVG			
3	2402.019	106.37	-7.45	98.92	/	/	peak			
4	4804.035	52.01	-0.30	51.71	74.00	-22.29	peak			
5	4804.035	47.69	-0.30	47.39	54.00	-6.61	AVG			

**Figure 7: Test figure of spurious emissions, mode A.1, Horizontal polarity (18GHz –25GHz), GFSK Modulation**

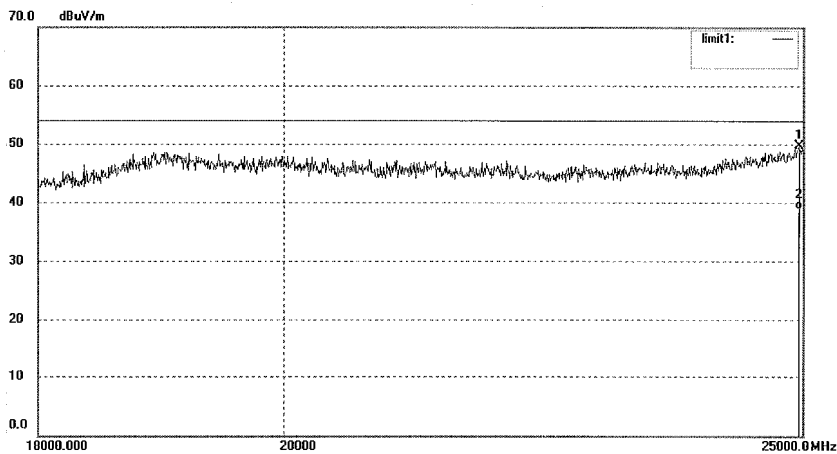


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #795	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12/25/20
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24958.889	30.90	18.84	49.74	74.00	-24.26	peak			
2	24958.889	20.16	18.84	39.00	54.00	-15.00	AVG			



**Figure 8: Test figure of spurious emissions, mode A.1, Vertical polarity (18GHz – 25GHz), GFSK Modulation**

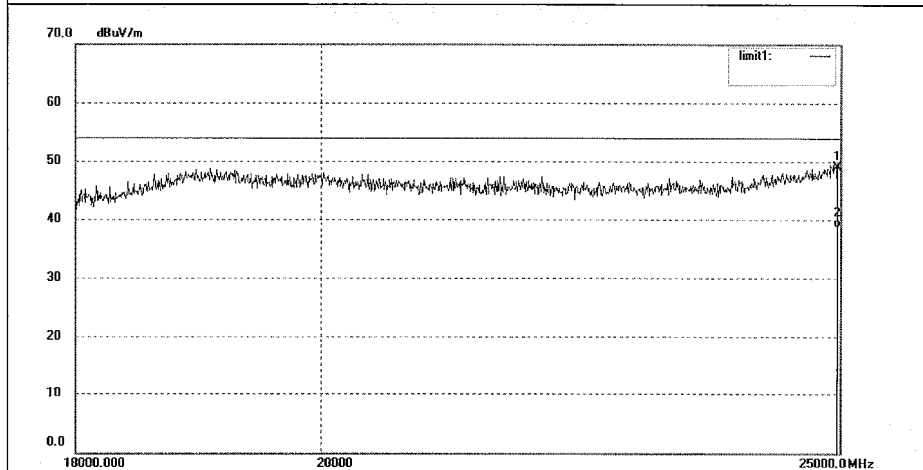


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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

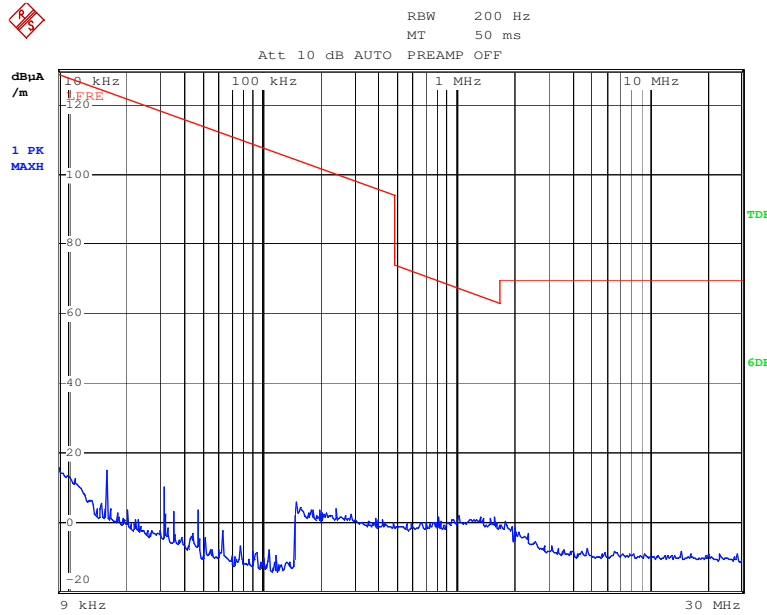
Job No.: PYH #794	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12/17/13
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



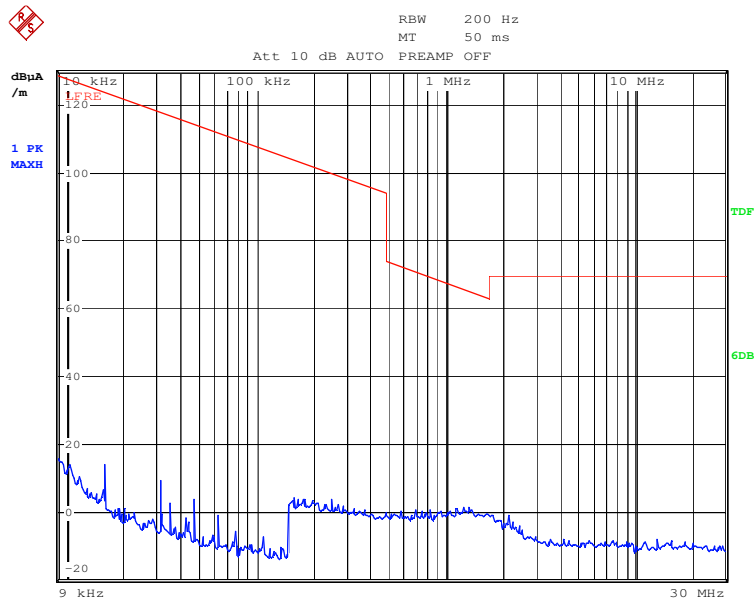
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24983.547	30.20	18.88	49.08	74.00	-24.92	peak			
2	24983.547	19.85	18.88	38.73	54.00	-15.27	AVG			

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



Date: 3.FEB.2013 14:32:22

**Figure 10: Test figure of spurious emissions, mode A.2, Vertical polarity (9kHz – 30MHz), GFSK Modulation**



Date: 3.FEB.2013 13:47:13

**Figure 11: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz), GFSK Modulation**



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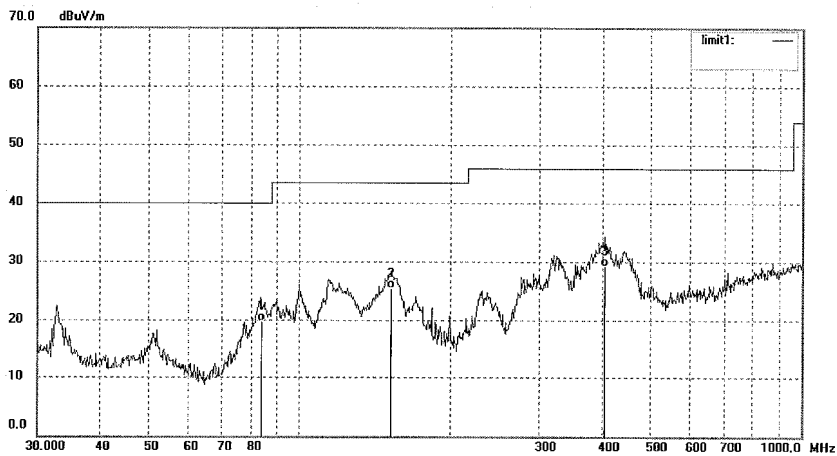
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #784	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 11/01/57
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	84.6937	6.36	13.50	19.86	40.00	-20.14	QP			
2	153.6254	13.83	11.56	25.39	43.50	-18.11	QP			
3	405.3551	9.83	19.50	29.33	46.00	-16.67	QP			

**Figure 12: Test figure of spurious emissions, mode A.2, Vertical polarity (30MHz – 1GHz), GFSK Modulation**



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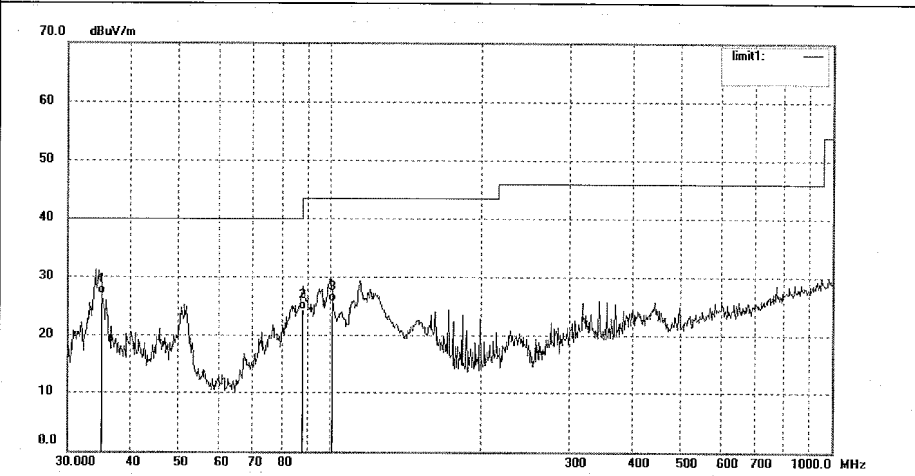
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Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #785	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 11/09/56
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.1527	11.43	15.65	27.08	40.00	-12.92	QP			
2	87.8760	10.67	13.73	24.40	40.00	-15.60	QP			
3	101.7676	11.32	14.48	25.80	43.50	-17.70	QP			

**Figure 13: Test figure of spurious emissions, mode A.2, Horizontal polarity (1GHz – 18GHz), GFSK Modulation**

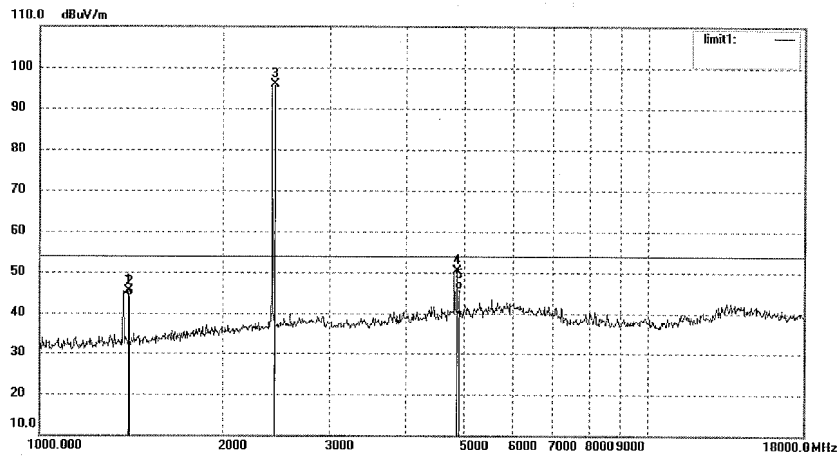


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 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #758	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 2013/02/02
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 18:47:24
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.476	57.29	-11.81	45.48	74.00	-28.52	peak			
2	1398.476	56.05	-11.81	44.24	54.00	-9.76	AVG			
3	2441.021	103.34	-7.35	95.99	/	/	peak			
4	4882.040	50.25	0.14	50.39	74.00	-23.61	peak			
5	4882.040	45.63	0.14	45.77	54.00	-8.23	AVG			

**Figure 14: Test figure of spurious emissions, mode A.2, Vertical polarity (1GHz – 18GHz), GFSK Modulation**

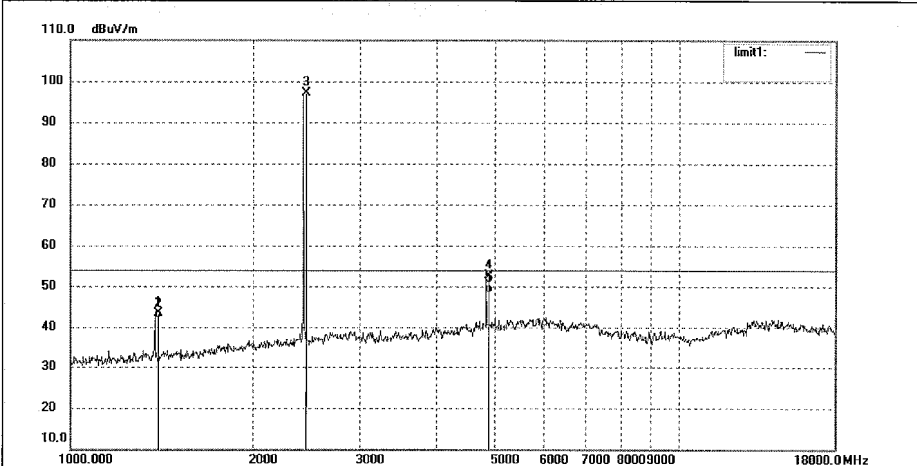


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Job No.: PYH #759	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 2013/02/02
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 18:59:05
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.472	55.31	-11.81	43.50	74.00	-30.50	peak			
2	1398.472	53.89	-11.81	42.08	54.00	-11.92	AVG			
3	2441.025	104.48	-7.35	97.13	/	/	peak			
4	4882.038	52.52	0.14	52.66	74.00	-21.34	peak			
5	4882.038	48.35	0.14	48.49	54.00	-5.51	AVG			

**Figure 15: Test figure of spurious emissions, mode A.2, Horizontal polarity (18GHz – 25GHz), GFSK Modulation**

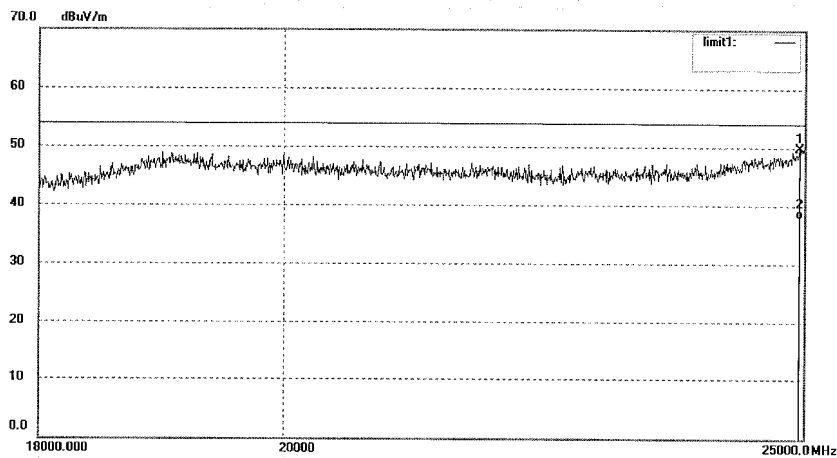


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 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #796	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12/33/07
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24950.674	30.89	18.83	49.72	74.00	-24.28	peak			
2	24950.674	18.99	18.83	37.82	54.00	-16.18	AVG			

**Figure 16: Test figure of spurious emissions, mode A.2, Vertical polarity (18GHz – 25GHz), GFSK Modulation**



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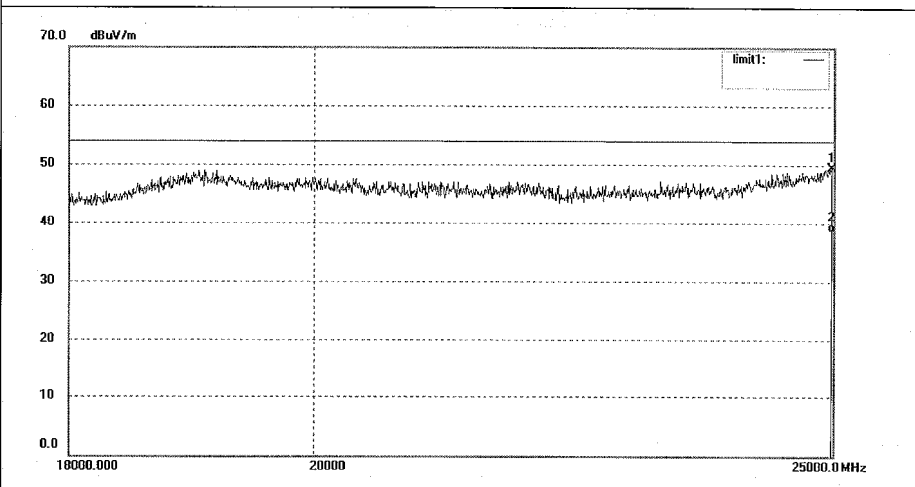
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Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #797	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12/42/08
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

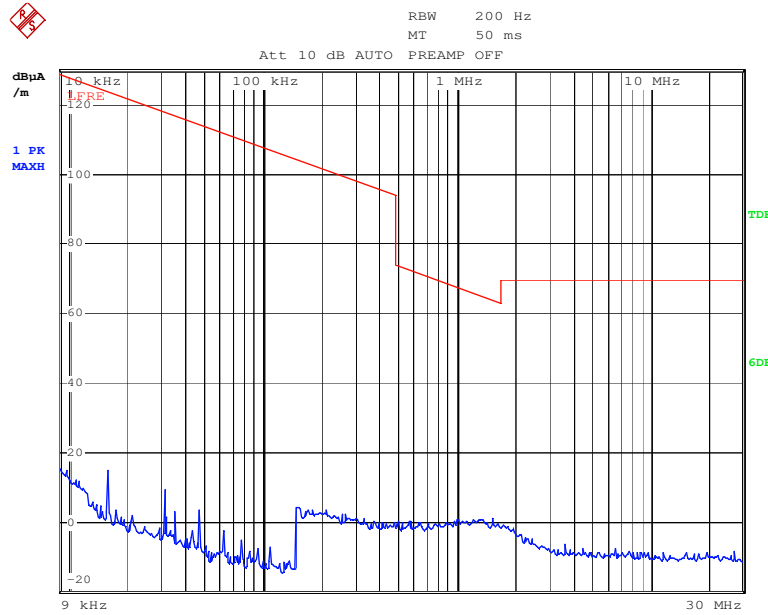
Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24983.547	30.59	18.88	49.47	74.00	-24.53	peak			
2	24983.547	19.75	18.88	38.63	54.00	-15.37	AVG			

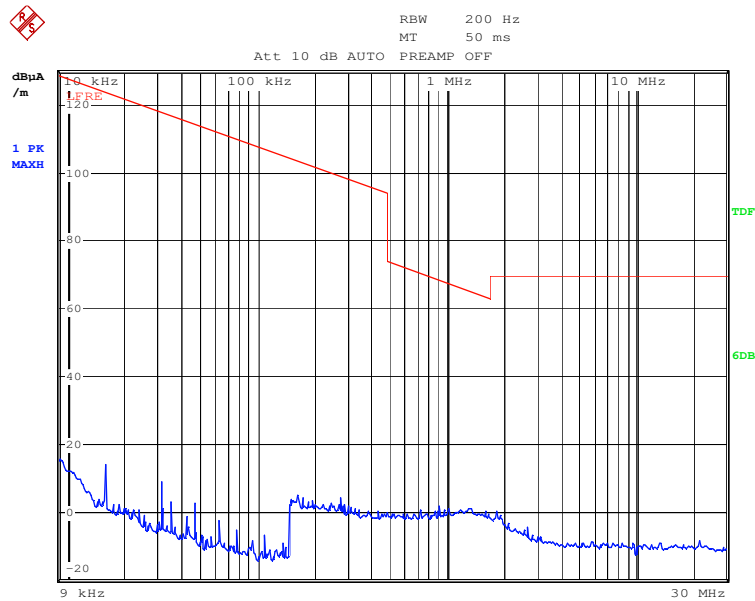


**Figure 17: Test figure of spurious emissions, mode A.3, Horizontal polarity (9kHz – 30MHz), GFSK Modulation**



Date: 3.FEB.2013 13:51:11

**Figure 18: Test figure of spurious emissions, mode A.3, Vertical polarity (9kHz – 30MHz), GFSK Modulation**



Date: 3.FEB.2013 13:53:06

**Figure 19: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz), GFSK Modulation**

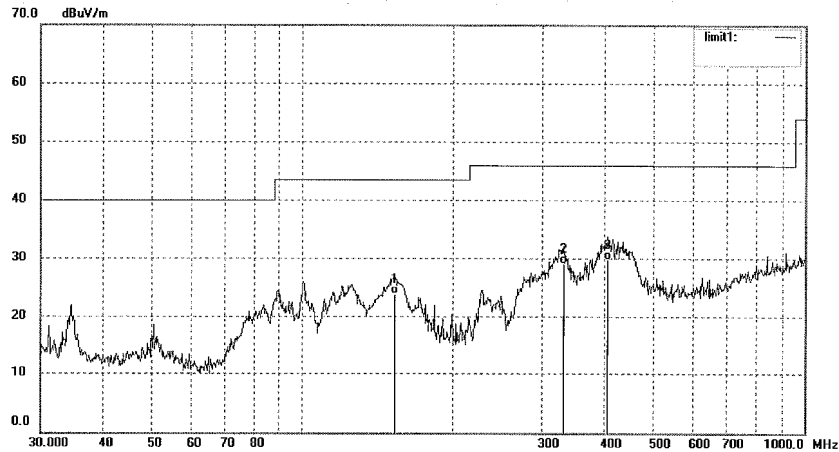


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Job No.: PYH #787	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 11/24/27
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	153.1627	12.26	11.55	23.81	43.50	-19.69	QP			
2	330.6220	11.38	17.77	29.15	46.00	-16.85	QP			
3	403.9334	10.42	19.47	29.89	46.00	-16.11	QP			

**Figure 20: Test figure of spurious emissions, mode A.3, Vertical polarity (30MHz – 1GHz), GFSK Modulation**

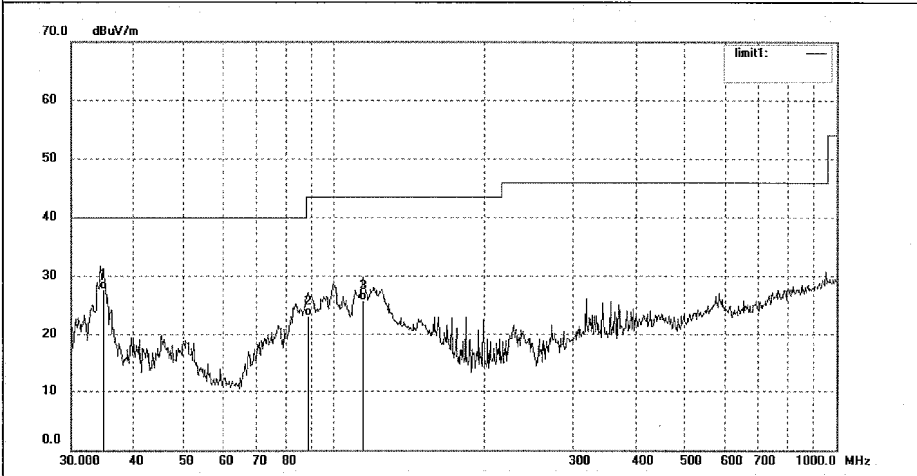


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 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #786	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 11/16/06
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.9852	12.04	15.69	27.73	40.00	-12.27	QP			
2	88.8452	9.45	13.79	23.24	43.50	-20.26	QP			
3	114.4197	12.11	13.71	25.82	43.50	-17.68	QP			

**Figure 21: Test figure of spurious emissions, mode A.3, Horizontal polarity (1GHz –18GHz), GFSK Modulation**



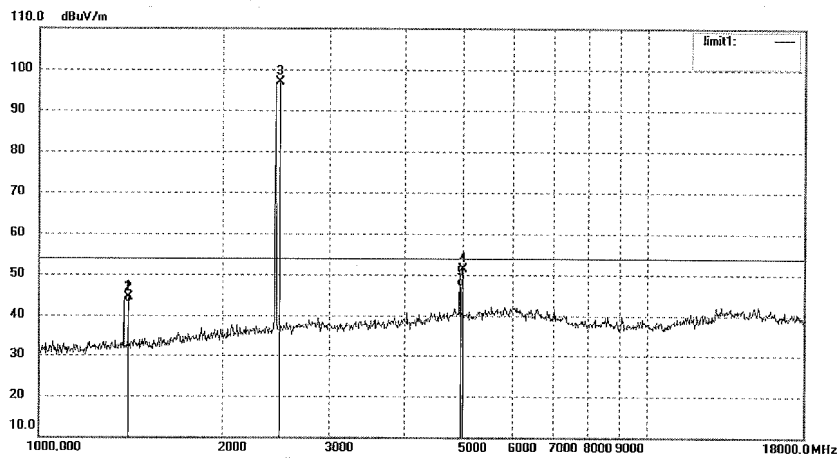
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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #761  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 26 C / 55 %  
 EUT: Clock Radio with Bluetooth  
 Mode: TX 2480MHz  
 Model: NS-CLBT02  
 Manufacturer: Compupal

Polarization: Horizontal  
 Power Source: AC 120V/60Hz & DC 3V  
 Date: 2013/02/02  
 Time: 19:22:23  
 Engineer Signature: PEI  
 Distance: 3m

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.556	56.31	-11.81	44.50	74.00	-29.50	peak			
2	1398.556	54.84	-11.81	43.03	54.00	-10.97	AVG			
3	2480.026	104.31	-7.37	96.94	/	/	peak			
4	4960.045	50.92	0.52	51.44	74.00	-22.56	peak			
5	4960.045	46.65	0.52	47.17	54.00	-6.83	AVG			

**Figure 22: Test figure of spurious emissions, mode A.3, Vertical polarity (1GHz – 18GHz), GFSK Modulation**

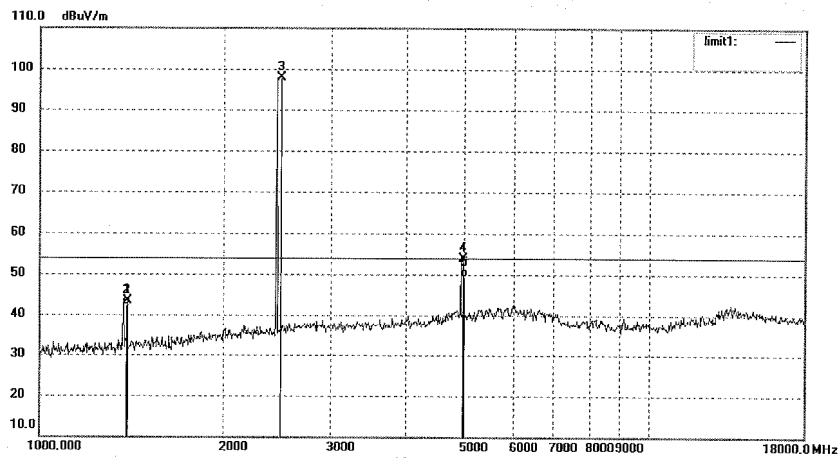


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #760	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 2013/02/02
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 19:10:17
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.545	55.21	-11.81	43.40	74.00	-30.60	peak			
2	1398.545	54.07	-11.81	42.26	54.00	-11.74	AVG			
3	2480.024	105.27	-7.37	97.90	/	/	peak			
4	4960.050	53.30	0.52	53.82	74.00	-20.18	peak			
5	4960.050	48.95	0.52	49.47	54.00	-4.53	AVG			

**Figure 23: Test figure of spurious emissions, mode A.3, Horizontal polarity (18GHz –25GHz), GFSK Modulation**

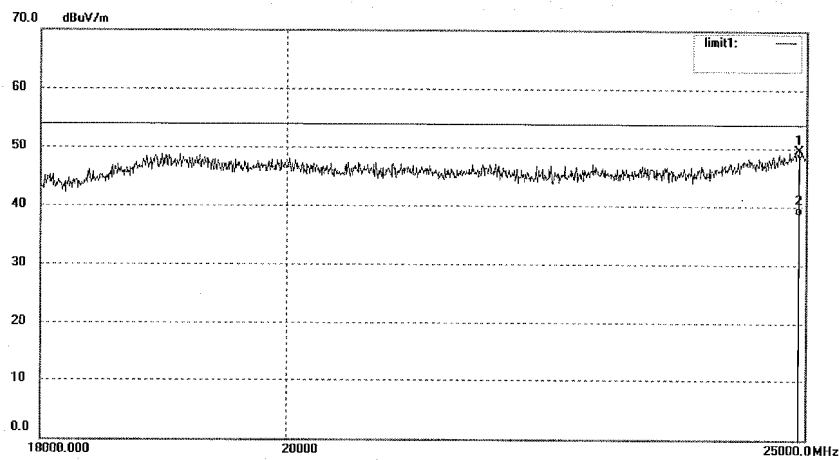


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #799	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12/57/13
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24934.254	30.72	18.81	49.53	74.00	-24.47	peak			
2	24934.254	19.77	18.81	38.58	54.00	-15.42	AVG			

**Figure 24: Test figure of spurious emissions, mode A.3, Vertical polarity (18GHz – 25GHz), GFSK Modulation**

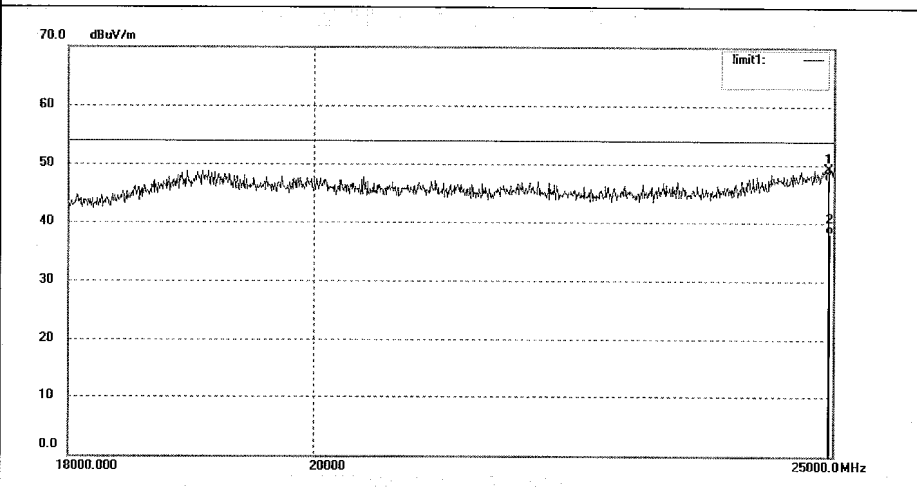


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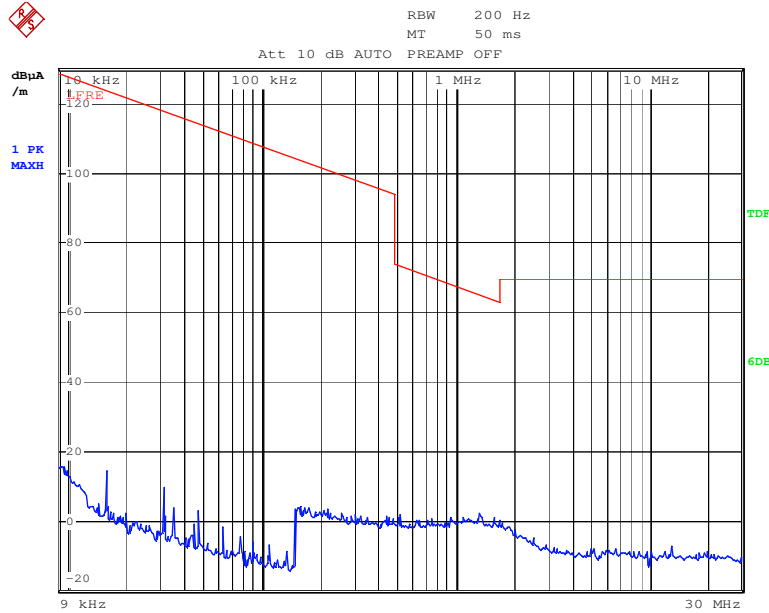
Job No.: PYH #798	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 12/50/47
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



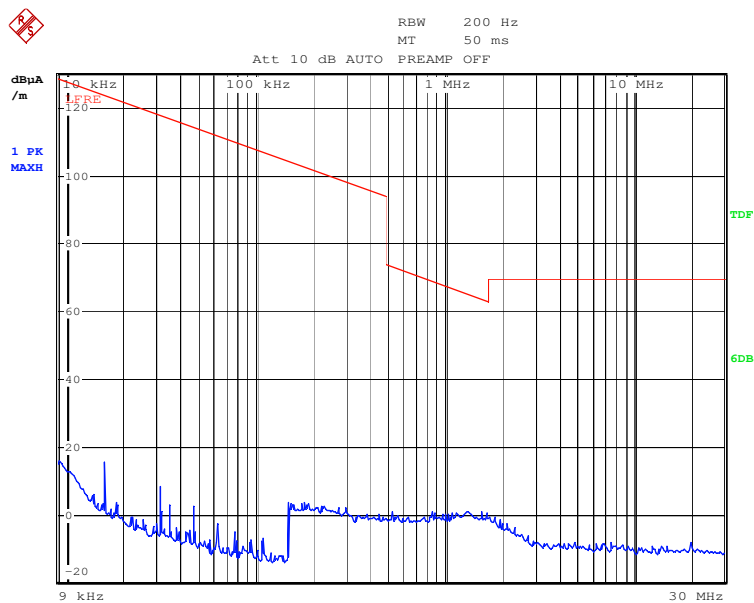
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24950.674	30.38	18.83	49.21	74.00	-24.79	peak			
2	24950.674	19.49	18.83	38.32	54.00	-15.68	AVG			

**Figure 25: Test figure of spurious emissions, mode A.1, Horizontal polarity (9kHz – 30MHz), 8DPSK Modulation**



Date: 3.FEB.2013 14:34:40

**Figure 26: Test figure of spurious emissions, mode A.1, Vertical polarity (9kHz – 30MHz), 8DPSK Modulation**



Date: 3.FEB.2013 14:36:31



**Figure 27: Test figure of spurious emissions, mode A.1, Horizontal polarity (30MHz – 1GHz), 8DPSK Modulation**



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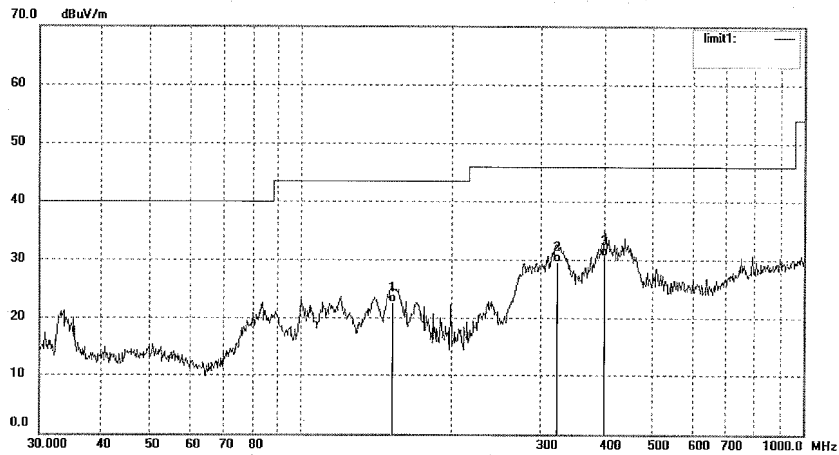
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Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #788	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test Item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 11/31/44
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	152.6254	11.03	11.55	22.58	43.50	-20.92	QP			
2	323.7250	12.17	17.50	29.67	46.00	-16.33	QP			
3	402.9549	11.21	19.46	30.67	46.00	-15.33	QP			

**Figure 28: Test figure of spurious emissions, mode A.1, Vertical polarity (30MHz – 1GHz), 8DPSK Modulation**



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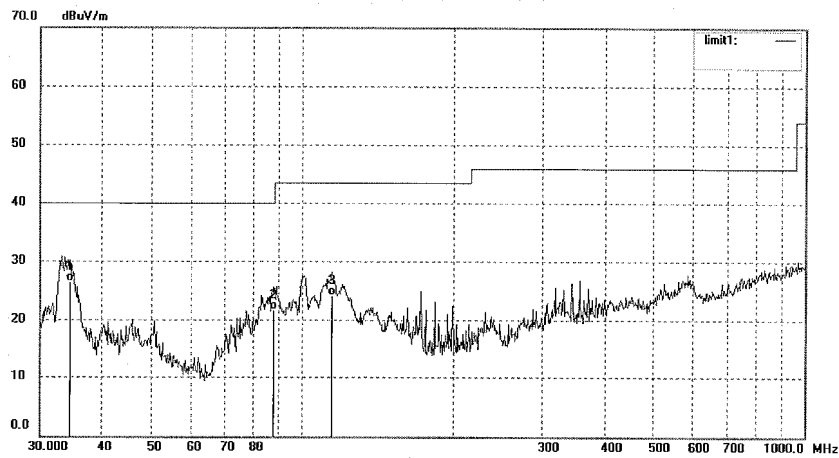
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Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #789	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 11/39/18
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.2450	10.75	15.77	26.52	40.00	-13.48	QP			
2	87.6051	8.00	13.71	21.71	40.00	-18.29	QP			
3	114.4197	10.51	13.71	24.22	43.50	-19.28	QP			

**Figure 29: Test figure of spurious emissions, mode A.1, Horizontal polarity (1GHz –18GHz), 8DPSK Modulation**

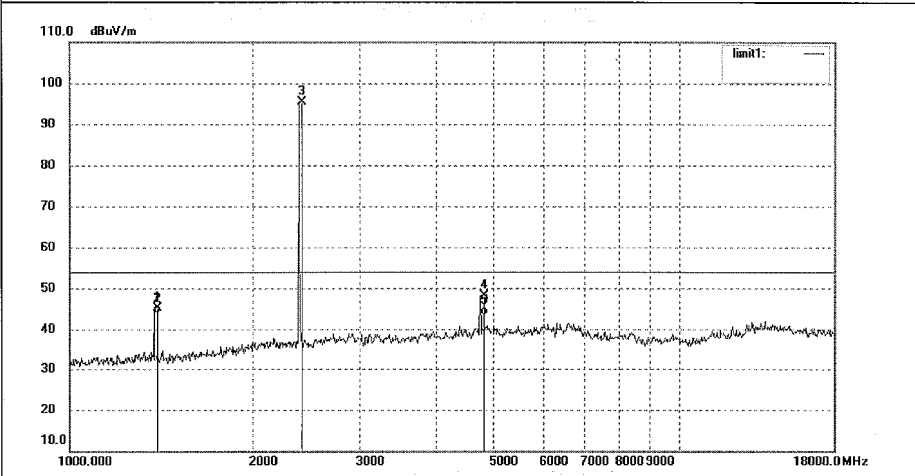


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 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #765	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 8/02/14
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.479	56.91	-11.81	45.10	74.00	-28.90	peak			
2	1398.479	55.74	-11.81	43.93	54.00	-10.07	AVG			
3	2402.022	102.81	-7.45	95.36	/	/	peak			
4	4804.042	48.31	-0.30	48.01	74.00	-25.99	peak			
5	4804.042	43.76	-0.30	43.46	54.00	-10.54	AVG			

**Figure 30: Test figure of spurious emissions, mode A.1, Vertical polarity (1GHz – 18GHz), 8DPSK Modulation**

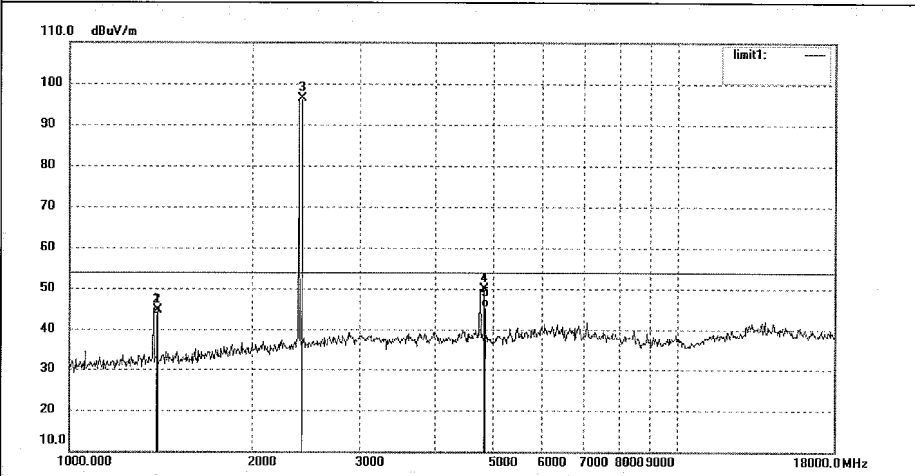


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Job No.: PYH #764	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 7/49/48
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.483	56.44	-11.81	44.63	74.00	-29.37	peak			
2	1398.483	55.38	-11.81	43.57	54.00	-10.43	AVG			
3	2402.027	103.72	-7.45	96.27	/	/	peak			
4	4804.055	50.18	-0.30	49.88	74.00	-24.12	peak			
5	4804.055	45.78	-0.30	45.48	54.00	-8.52	AVG			

**Figure 31: Test figure of spurious emissions, mode A.1, Horizontal polarity (18GHz –25GHz), 8DPSK Modulation**

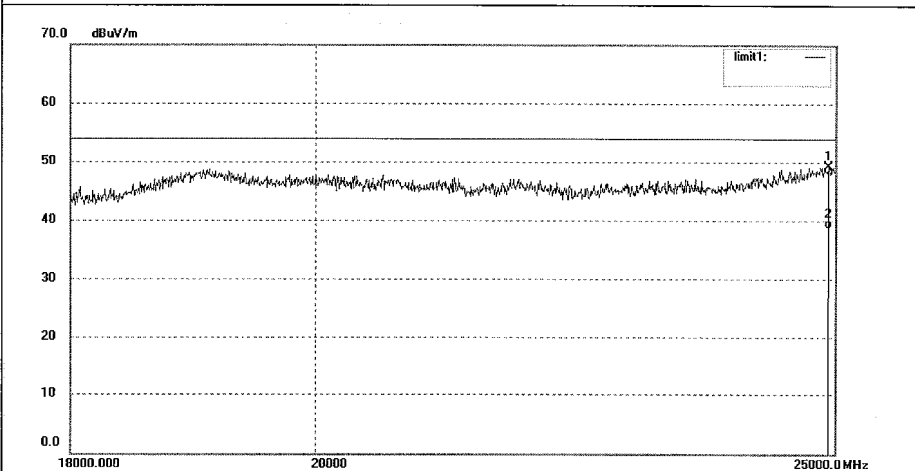


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Job No.: PYH #802	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 13/12/16
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24934.254	30.43	18.81	49.24	74.00	-24.76	peak			
2	24934.254	19.87	18.81	38.68	54.00	-15.32	AVG			

**Figure 32: Test figure of spurious emissions, mode A.1, Vertical polarity (18GHz – 25GHz), 8DPSK Modulation**

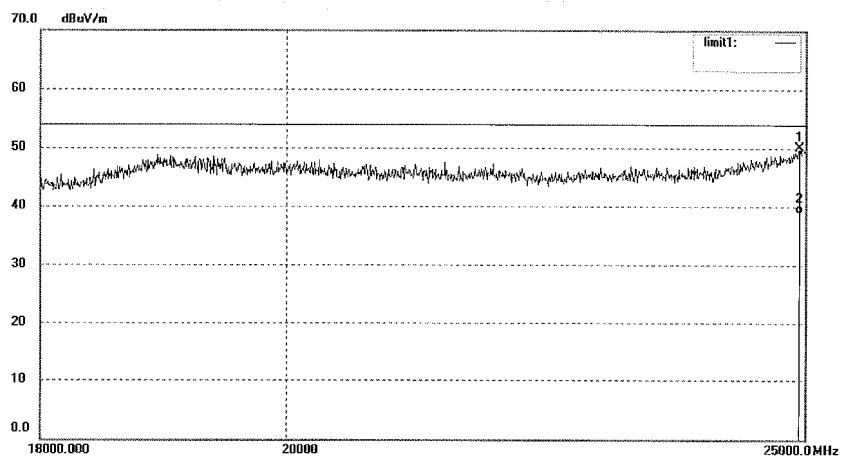


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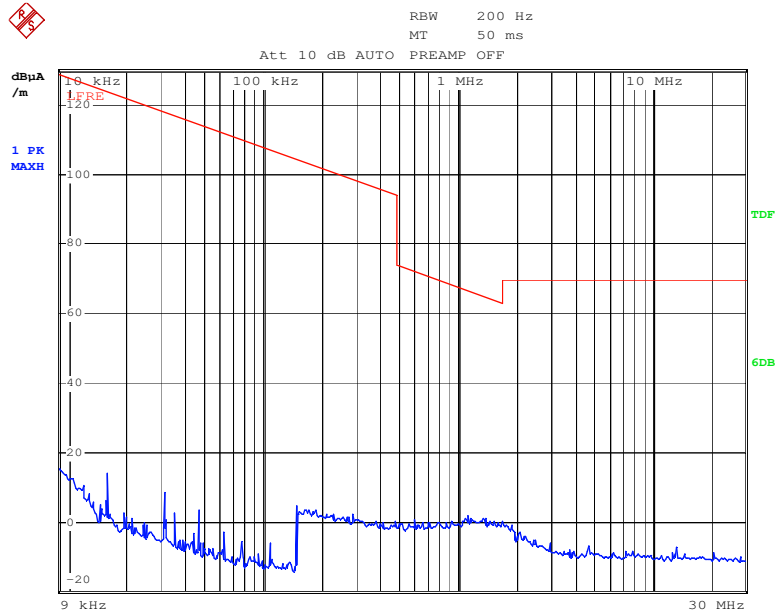
Job No.: PYH #801	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 13/05/51
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



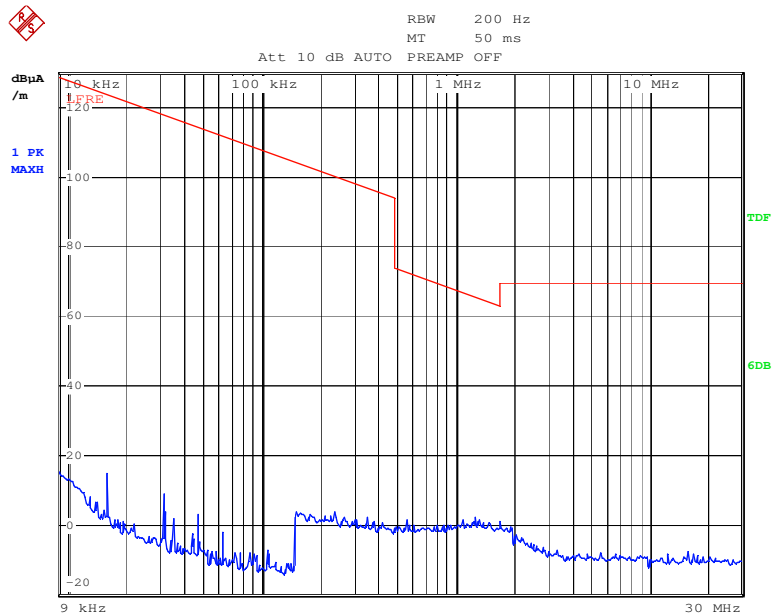
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24942.463	31.37	18.82	50.19	74.00	-23.81	peak			
2	24942.463	20.06	18.82	38.88	54.00	-15.12	AVG			

**Figure 33: Test figure of spurious emissions, mode A.2, Horizontal polarity (9kHz – 30MHz), 8DPSK Modulation**



Date: 3.FEB.2013 14:40:41

**Figure 34: Test figure of spurious emissions, mode A.2, Vertical polarity (9kHz – 30MHz), 8DPSK Modulation**



Date: 3.FEB.2013 14:42:53

**Figure 35: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz), 8DPSK Modulation**

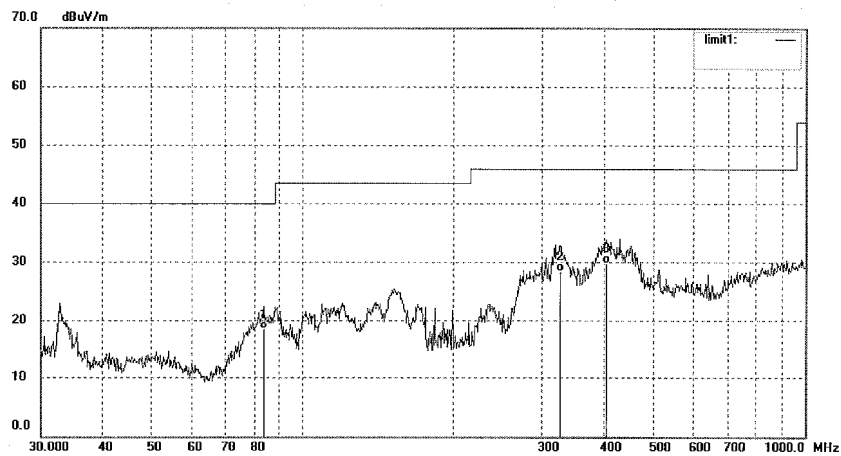


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Job No.: PYH #791	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 11/54/40
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.6937	5.17	13.27	18.44	40.00	-21.56	QP			
2	327.1554	10.81	17.64	28.45	46.00	-17.55	QP			
3	402.5168	10.43	19.44	29.87	46.00	-16.13	QP			



**Figure 36: Test figure of spurious emissions, mode A.2, Vertical polarity (30MHz – 1GMHz), 8DPSK Modulation**



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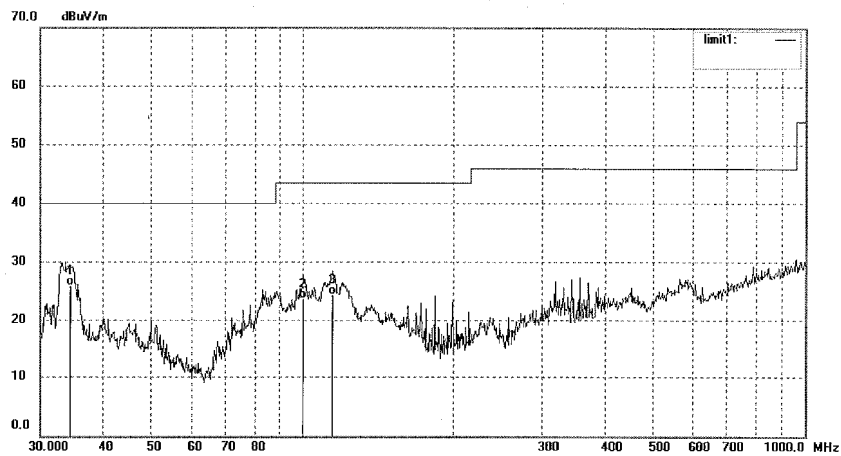
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Tel:+86-0755-26503290  
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Job No.: PYH #790	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 11/46/15
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.1881	10.26	15.77	26.03	40.00	-13.97	QP			
2	101.1188	9.13	14.59	23.72	43.50	-19.78	QP			
3	114.4197	10.66	13.71	24.37	43.50	-19.13	QP			

**Figure 37: Test figure of spurious emissions, mode A.2, Horizontal polarity (1GHz – 18GHz), 8DPSK Modulation**

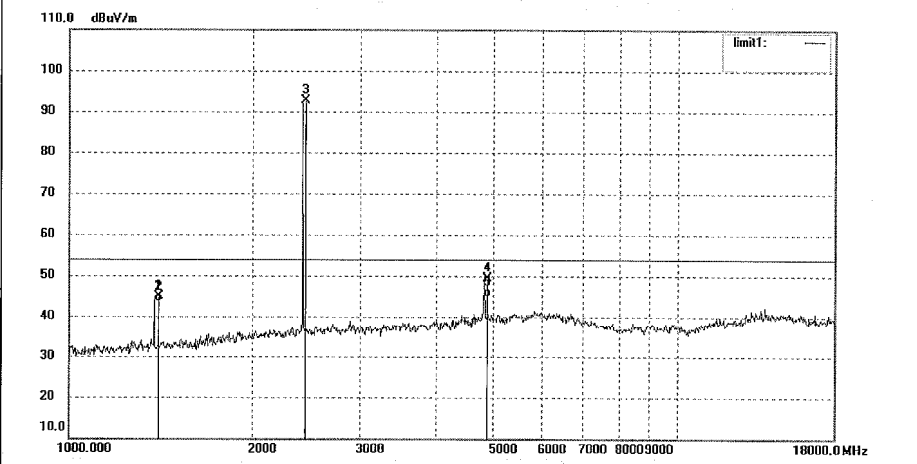


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Job No.: PYH #769	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 8/50/15
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.546	56.65	-11.81	44.84	74.00	-29.16	peak			
2	1398.546	55.41	-11.81	43.60	54.00	-10.40	AVG			
3	2441.030	99.98	-7.35	92.63	/	/	peak			
4	4882.028	49.26	0.14	49.40	74.00	-24.60	peak			
5	4882.028	44.78	0.14	44.92	54.00	-9.08	AVG			

**Figure 38: Test figure of spurious emissions, mode A.2, Vertical polarity (1GHz – 18GHz), 8DPSK Modulation**

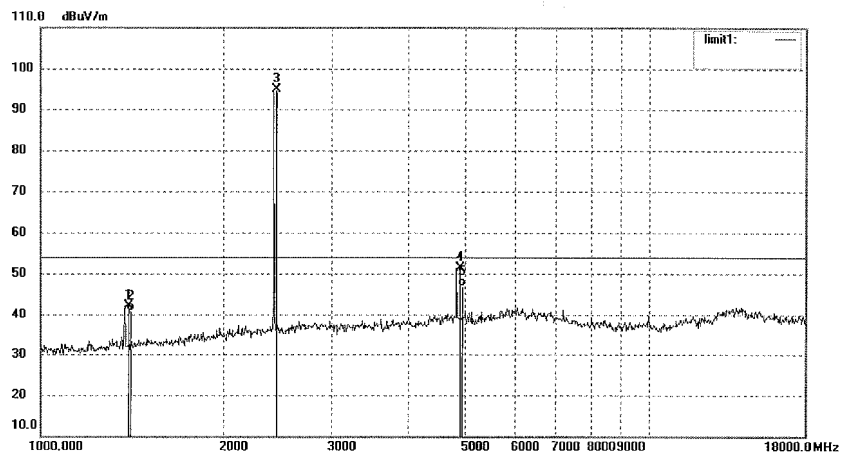


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Job No.: PYH #768	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 8/39/46
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.503	53.99	-11.81	42.18	74.00	-31.82	peak			
2	1398.503	52.63	-11.81	40.82	54.00	-13.18	AVG			
3	2441.018	102.26	-7.35	94.91	/	/	peak			
4	4882.036	51.14	0.14	51.28	74.00	-22.72	peak			
5	4882.036	46.73	0.14	46.87	54.00	-7.13	AVG			

**Figure 39: Test figure of spurious emissions, mode A.2, Horizontal polarity (18GHz – 25GHz), 8DPSK Modulation**

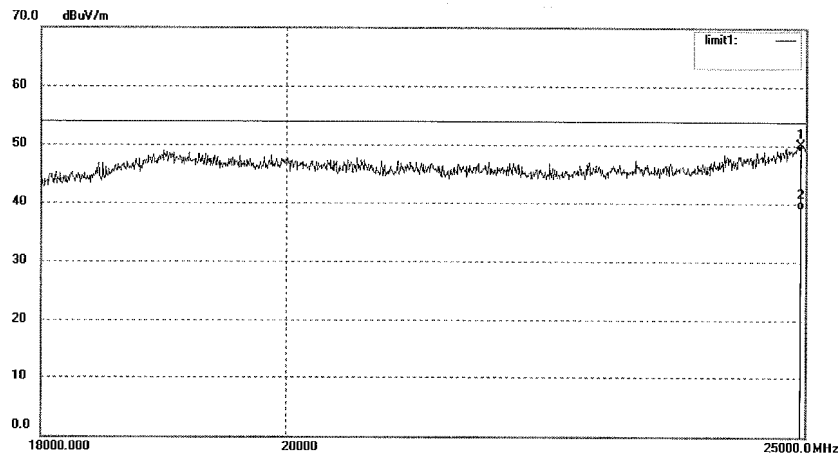


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 Tel:+86-0755-26503290  
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Job No.: PYH #803	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 13/20/06
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24950.674	31.31	18.83	50.14	74.00	-23.86	peak			
2	24950.674	20.27	18.83	39.10	54.00	-14.90	AVG			

**Figure 40: Test figure of spurious emissions, mode A.2, Vertical polarity (18GHz – 25GHz), 8DPSK Modulation**

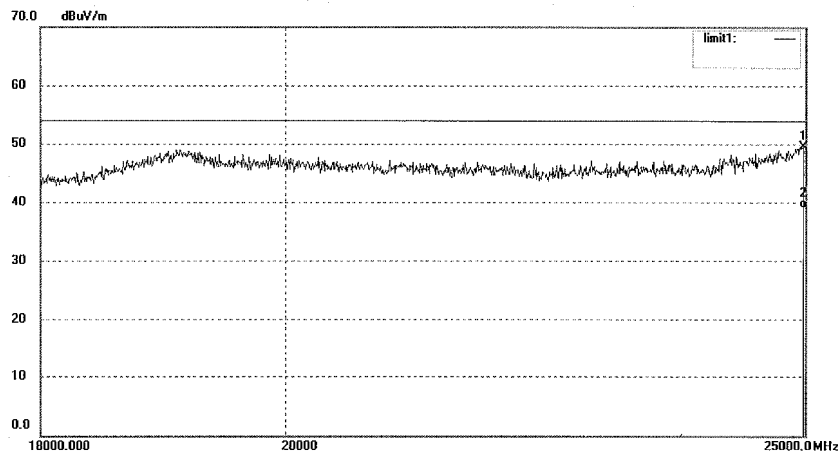


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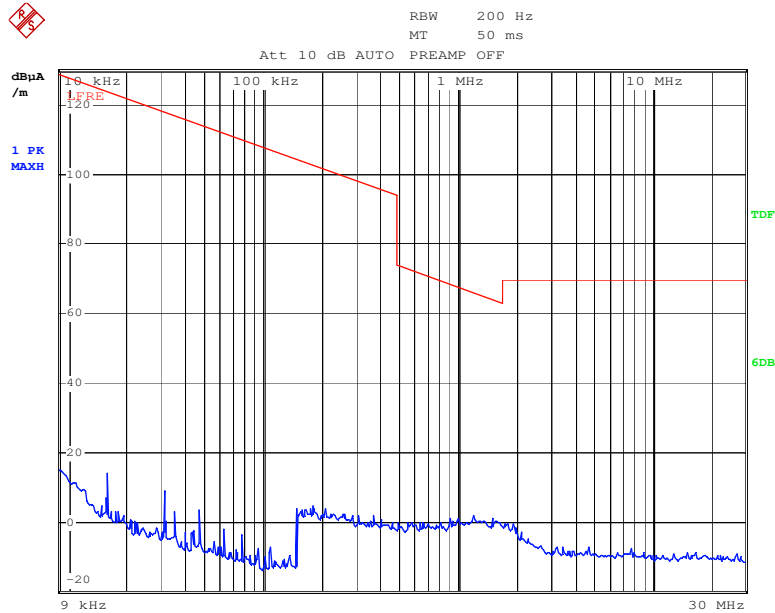
Job No.: PYH #804	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 13/28/30
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



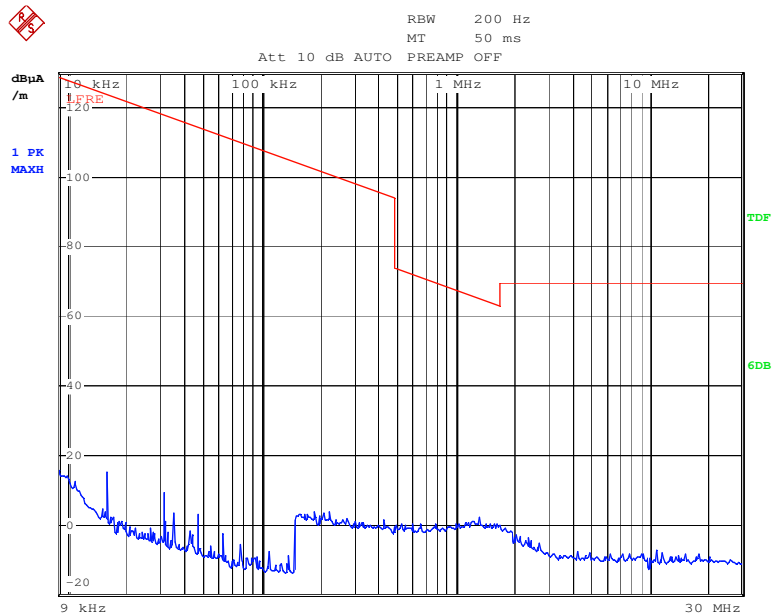
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24983.547	30.79	18.88	49.67	74.00	-24.33	peak			
2	24983.547	20.18	18.88	39.06	54.00	-14.94	AVG			

**Figure 41: Test figure of spurious emissions, mode A.3, Horizontal polarity (9kHz – 30MHz), 8DPSK Modulation**



Date: 3.FEB.2013 14:50:59

**Figure 42: Test figure of spurious emissions, mode A.3, Vertical polarity (9kHz – 30MHz), 8DPSK Modulation**



Date: 3.FEB.2013 14:52:50

**Figure 43: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz), 8DPSK Modulation**

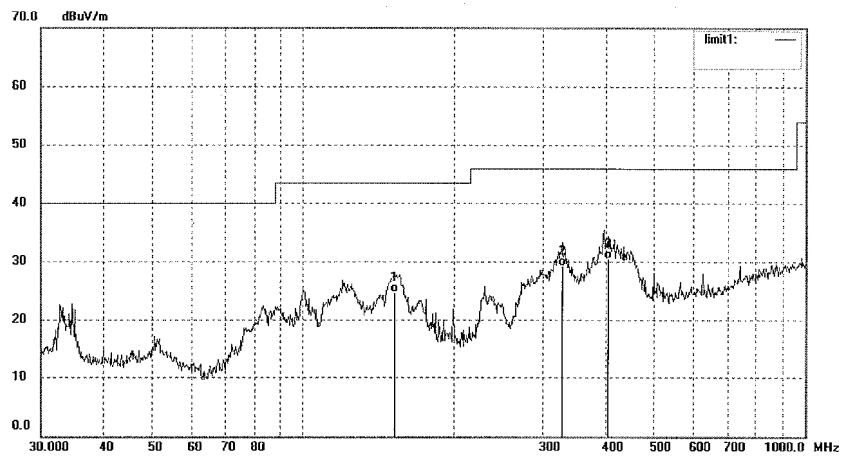


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Job No.: PYH #792	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 12/02/10
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	152.0902	13.19	11.54	24.73	43.50	-18.77	QP			
2	327.1553	11.63	17.64	29.27	46.00	-16.73	QP			
3	401.8992	11.05	19.43	30.48	46.00	-15.52	QP			

**Figure 44: Test figure of spurious emissions, mode A.3, Vertical polarity (30MHz – 1GHz), 8DPSK Modulation**



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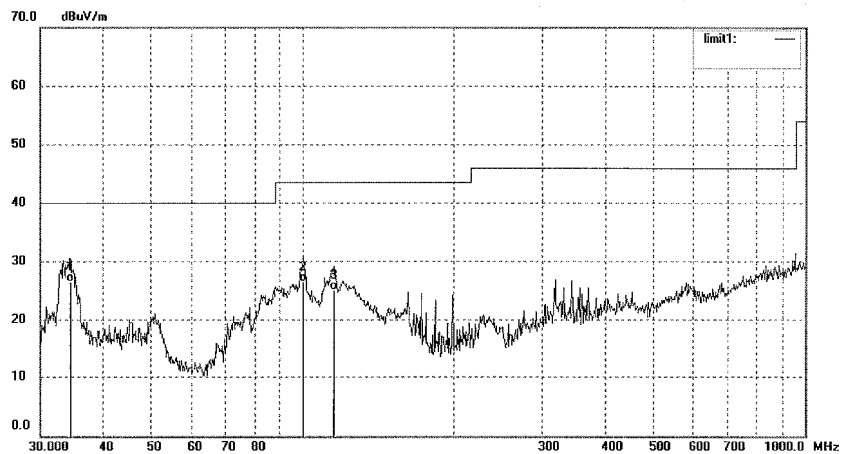
Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: PYH #793	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 12/10/52
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.4059	10.80	15.75	26.55	40.00	-13.45	QP			
2	99.7676	11.79	14.75	26.54	43.50	-16.96	QP			
3	114.8224	11.42	13.69	25.11	43.50	-18.39	QP			



**Figure 45: Test figure of spurious emissions, mode A.3, Horizontal polarity (1GHz –18GHz), 8DPSK Modulation**

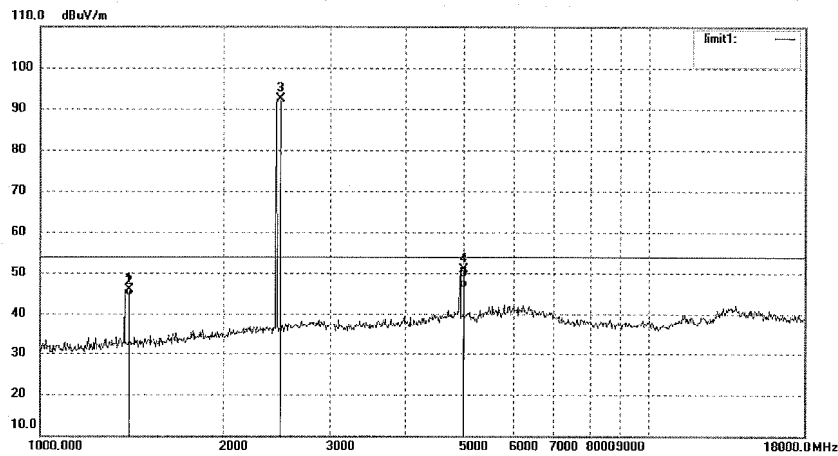


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Job No.: PYH #770	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 9/04/17
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.529	57.59	-11.81	45.78	74.00	-28.22	peak			
2	1398.529	56.28	-11.81	44.47	54.00	-9.53	AVG			
3	2480.013	99.75	-7.37	92.38	/	/	peak			
4	4960.025	50.39	0.52	50.91	74.00	-23.09	peak			
5	4960.025	45.87	0.52	46.39	54.00	-7.61	AVG			

**Figure 46: Test figure of spurious emissions, mode A.3, Vertical polarity (1GHz – 18GHz), 8DPSK Modulation**

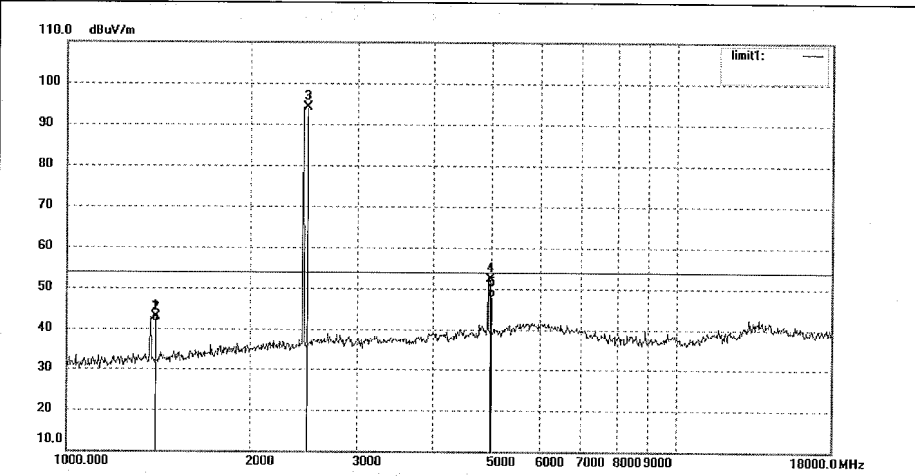


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Job No.: PYH #771	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 9/16/25
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.545	54.74	-11.81	42.93	74.00	-31.07	peak			
2	1398.545	53.51	-11.81	41.70	54.00	-12.30	AVG			
3	2480.027	101.49	-7.37	94.12	/	/	peak			
4	4960.068	51.75	0.52	52.27	74.00	-21.73	peak			
5	4960.068	47.27	0.52	47.79	54.00	-6.21	AVG			

**Figure 47: Test figure of spurious emissions, mode A.3, Horizontal polarity (18GHz –25GHz), 8DPSK Modulation**

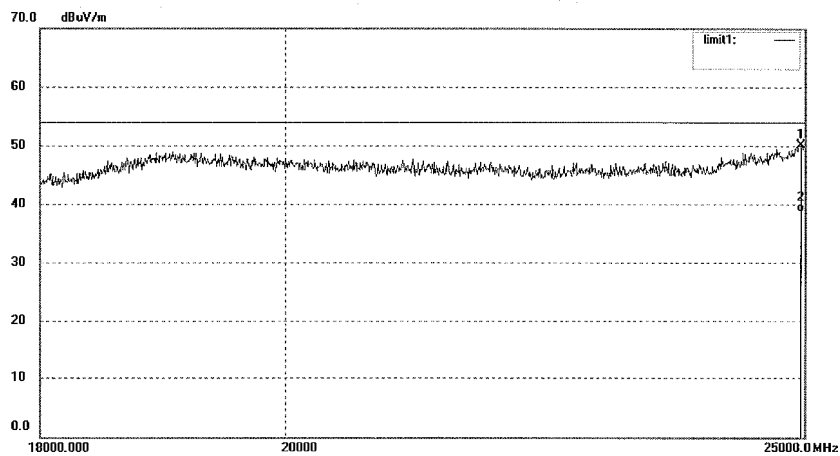


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Job No.: PYH #806	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 15/13/43
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24958.889	31.27	18.84	50.11	74.00	-23.89	peak			
2	24958.889	19.95	18.84	38.79	54.00	-15.21	AVG			

**Figure 48: Test figure of spurious emissions, mode A.3, Vertical polarity (18GHz – 25GHz), 8DPSK Modulation**



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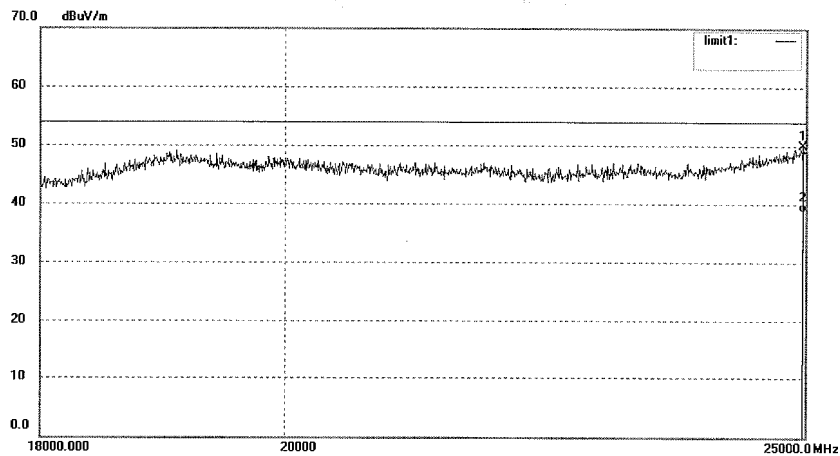
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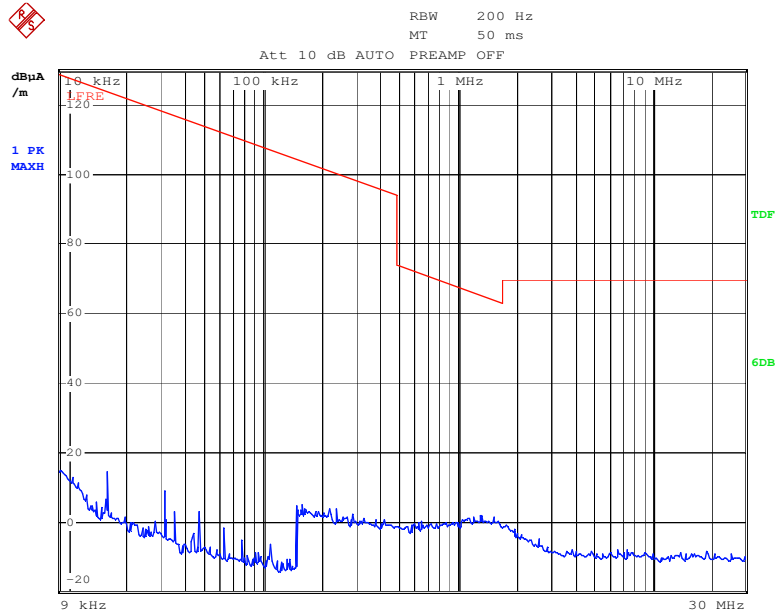
Job No.: PYH #805	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 15/05/38
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



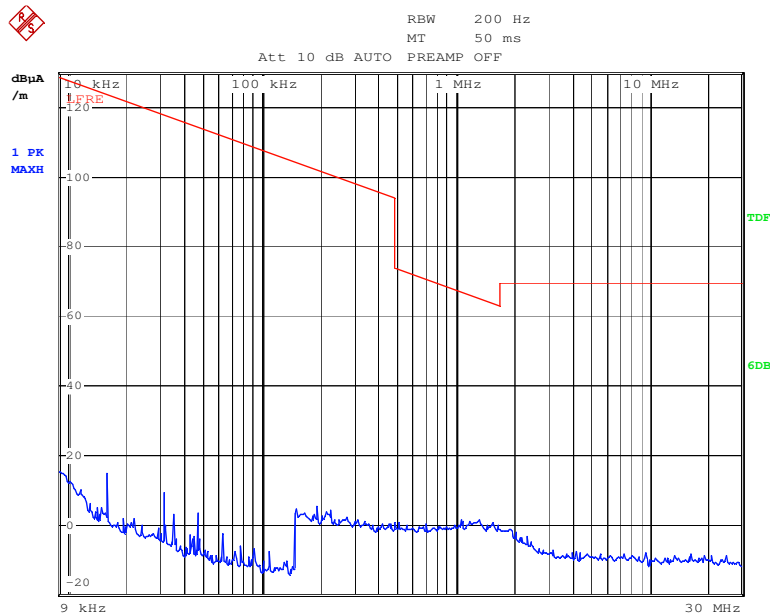
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24975.325	31.06	18.86	49.92	74.00	-24.08	peak			
2	24975.325	19.84	18.86	38.70	54.00	-15.30	AVG			

**Figure 49: Test figure of spurious emissions, mode B, Horizontal polarity (9kHz – 30MHz), GFSK Modulation**



Date: 3.FEB.2013 13:39:36

**Figure 50: Test figure of spurious emissions, mode B, Vertical polarity (9kHz – 30MHz), GFSK Modulation**



Date: 3.FEB.2013 13:56:51

**Figure 51: Test figure of spurious emissions, mode B, Horizontal polarity (30MHz – 1GHz), GFSK Modulation**

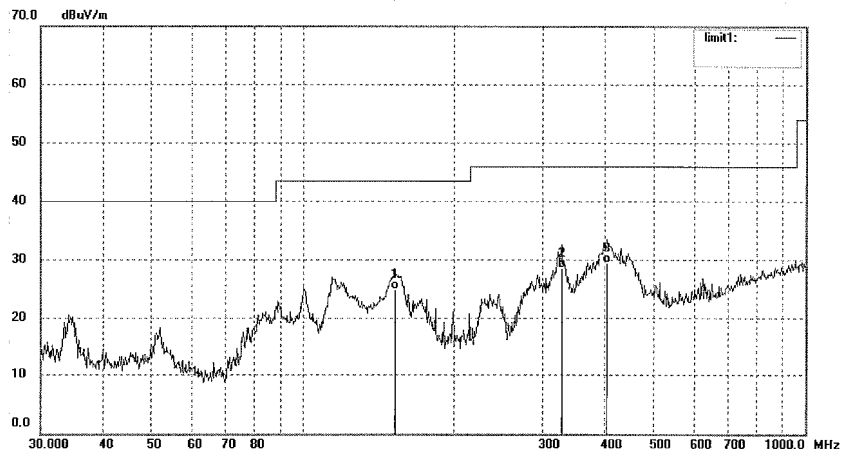


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Job No.: PYH #781	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 10/36/54
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	152.6255	13.40	11.55	24.95	43.50	-18.55	QP			
2	327.1554	10.93	17.64	28.57	46.00	-17.43	QP			
3	402.5168	10.12	19.44	29.56	46.00	-16.44	QP			

**Figure 52: Test figure of spurious emissions, mode B, Vertical polarity (30MHz – 1GHz), GFSK Modulation**

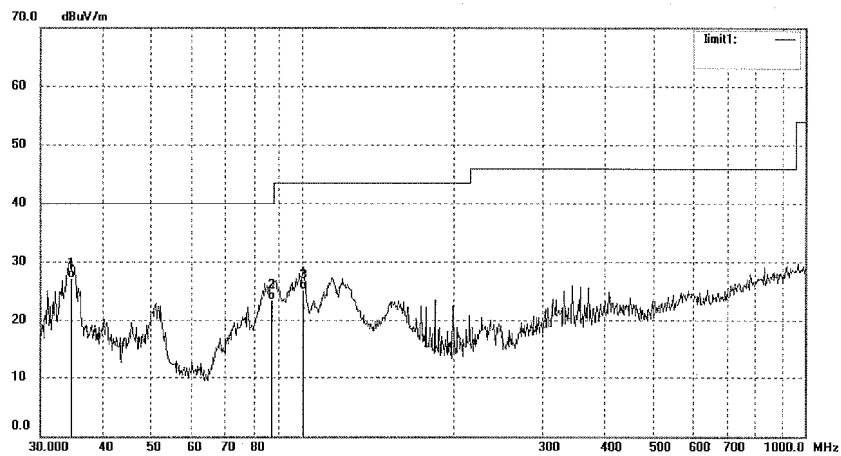


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Job No.: PYH #780	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 10/28/14
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.6485	11.45	15.72	27.17	40.00	-12.83	QP			
2	86.9918	9.81	13.68	23.49	40.00	-16.51	QP			
3	100.4712	10.51	14.70	25.21	43.50	-18.29	QP			

**Figure 53: Test figure of spurious emissions, mode B, Horizontal polarity (1GHz –18GHz), GFSK Modulation**



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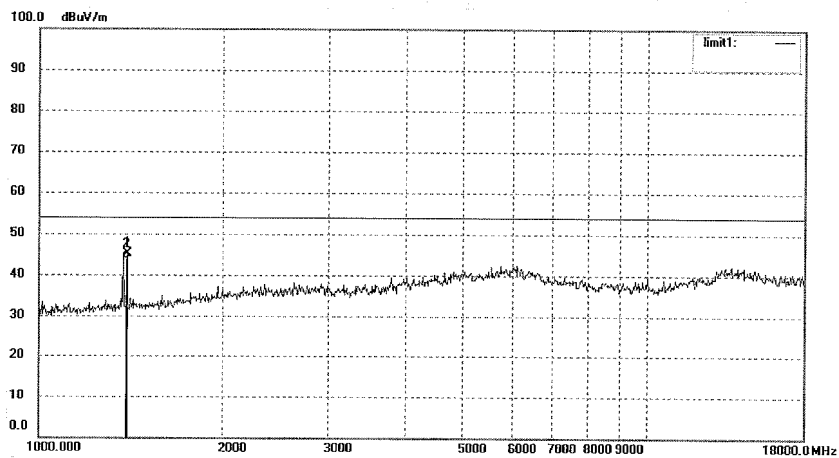
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Tel:+86-0755-26503290  
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Job No.: PYH #774	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 9/41/03
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.510	56.86	-11.81	45.05	74.00	-28.95	peak			
2	1398.510	55.62	-11.81	43.81	54.00	-10.19	AVG			



**Figure 54: Test figure of spurious emissions, mode B, Vertical polarity (1GHz – 18GHz), GFSK Modulation**



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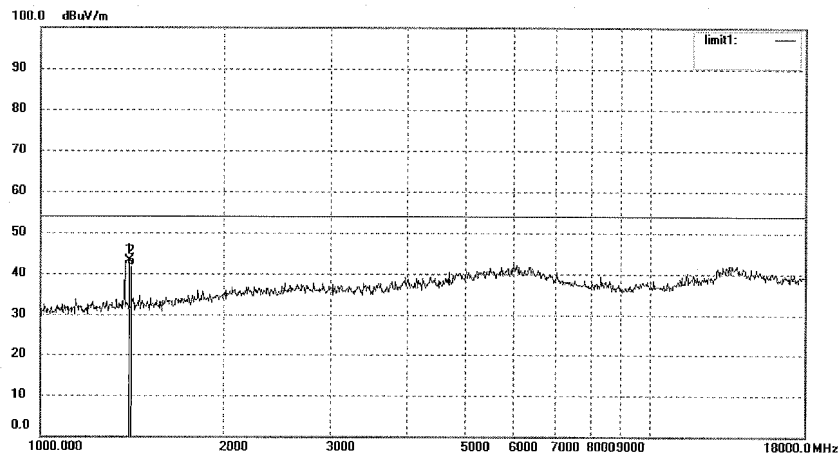
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Tel:+86-0755-26503290  
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Job No.: PYH #775	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 9/49/33
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.503	54.87	-11.81	43.06	74.00	-30.94	peak			
2	1398.503	53.70	-11.81	41.89	54.00	-12.11	AVG			

**Figure 55: Test figure of spurious emissions, mode B, Horizontal polarity (18GHz –25GHz), GFSK Modulation**

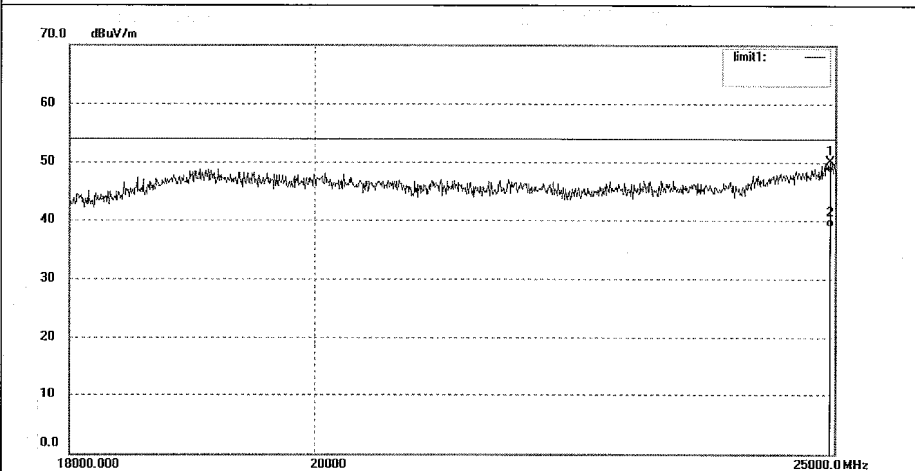


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Job No.: PYH #808	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 15/31/21
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24950.674	31.34	18.83	50.17	74.00	-23.83	peak			
2	24950.674	20.05	18.83	38.88	54.00	-15.12	AVG			

**Figure 56: Test figure of spurious emissions, mode B, Vertical polarity (18GHz – 25GHz), GFSK Modulation**

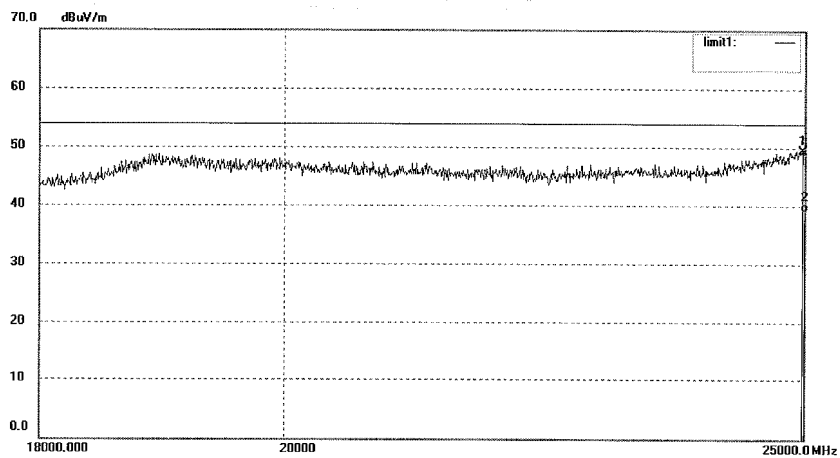


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 Fax:+86-0755-26503396

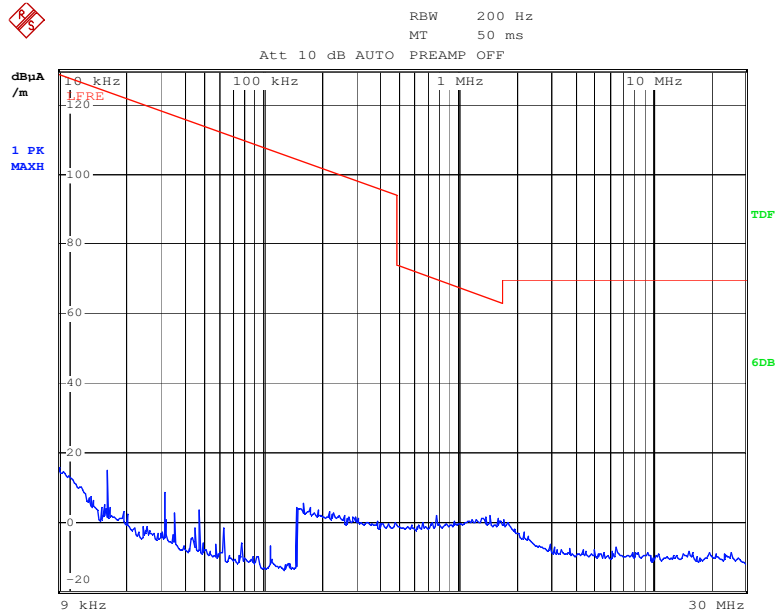
Job No.: PYH #807	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 15/22/04
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



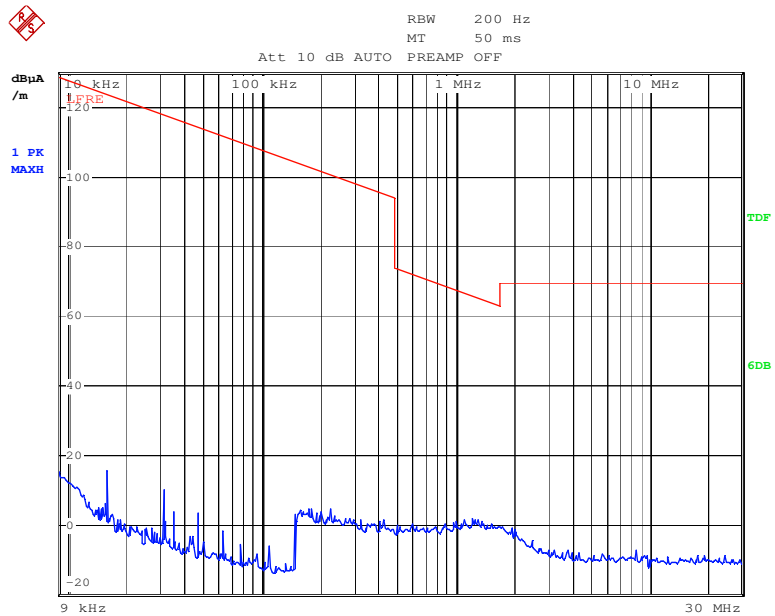
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24983.547	30.50	18.88	49.38	74.00	-24.62	peak			
2	24983.547	20.27	18.88	39.15	54.00	-14.85	AVG			

**Figure 57: Test figure of spurious emissions, mode B, Horizontal polarity (9kHz – 30MHz), 8DPSK Modulation**



Date: 3.FEB.2013 13:45:23

**Figure 58: Test figure of spurious emissions, mode B, Vertical polarity (9kHz – 30MHz), 8DPSK Modulation**



Date: 3.FEB.2013 13:41:32

**Figure 59: Test figure of spurious emissions, mode B, Horizontal polarity (30MHz – 1GHz), 8DPSK Modulation**

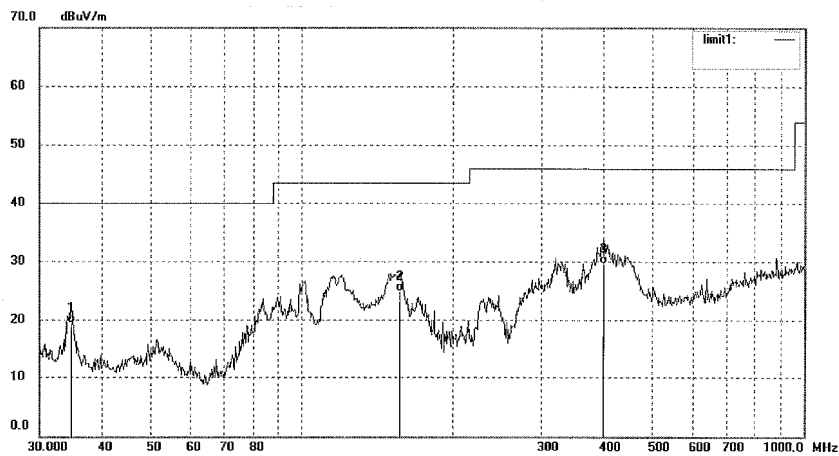


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Job No.: PYH #778	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 10/13/39
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.7705	3.71	15.72	19.43	40.00	-20.57	QP			
2	156.4259	13.31	11.71	25.02	43.50	-18.48	QP			
3	399.6981	10.21	19.39	29.60	46.00	-16.40	QP			

**Figure 60: Test figure of spurious emissions, mode B, Vertical polarity (30MHz – 1GHz), 8DPSK Modulation**

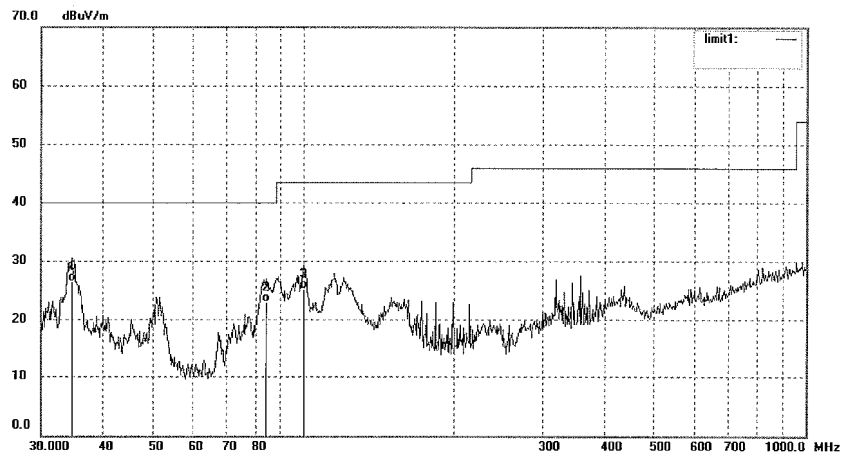


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Job No.: PYH #779	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 10/20/13
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.6485	10.85	15.72	26.57	40.00	-13.43	QP			
2	84.2839	9.65	13.40	23.05	40.00	-16.95	QP			
3	99.7676	10.61	14.75	25.36	43.50	-18.14	QP			

**Figure 61: Test figure of spurious emissions, mode B, Horizontal polarity (1GHz –18GHz), 8DPSK Modulation**

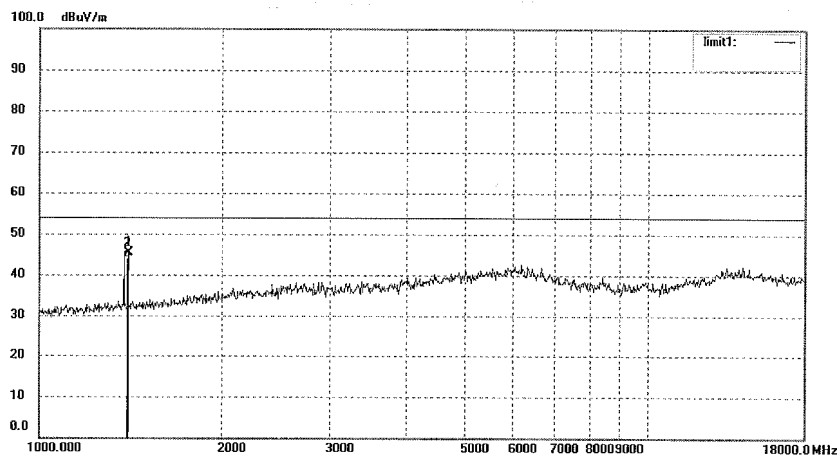


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Job No.: PYH #777	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 10/05/14
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.577	57.13	-11.81	45.32	74.00	-28.68	peak			
2	1398.577	55.95	-11.81	44.14	54.00	-9.86	AVG			

**Figure 62: Test figure of spurious emissions, mode B, Vertical polarity (1GHz – 18GHz), 8DPSK Modulation**

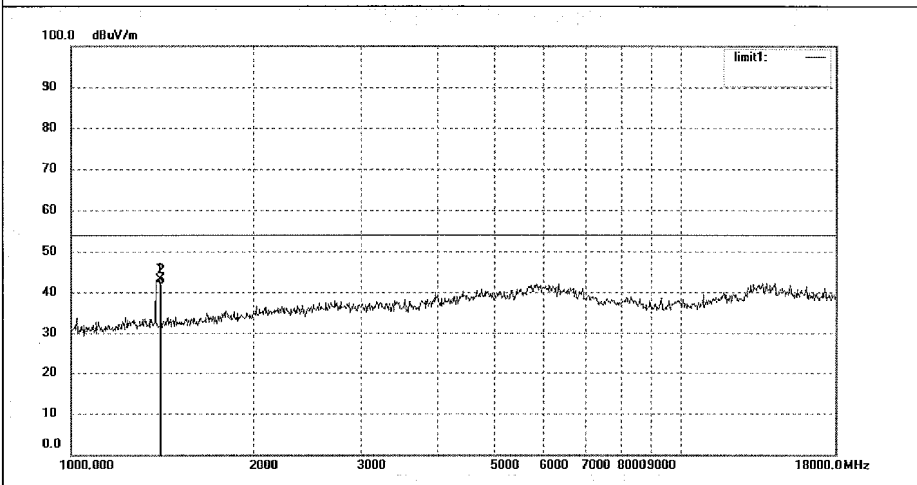


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Job No.: PYH #776	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 9/58/02
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1398.541	54.97	-11.81	43.16	74.00	-30.84	peak			
2	1398.541	53.76	-11.81	41.95	54.00	-12.05	AVG			



**Figure 63: Test figure of spurious emissions, mode B, Horizontal polarity (18GHz –25GHz), 8DPSK Modulation**

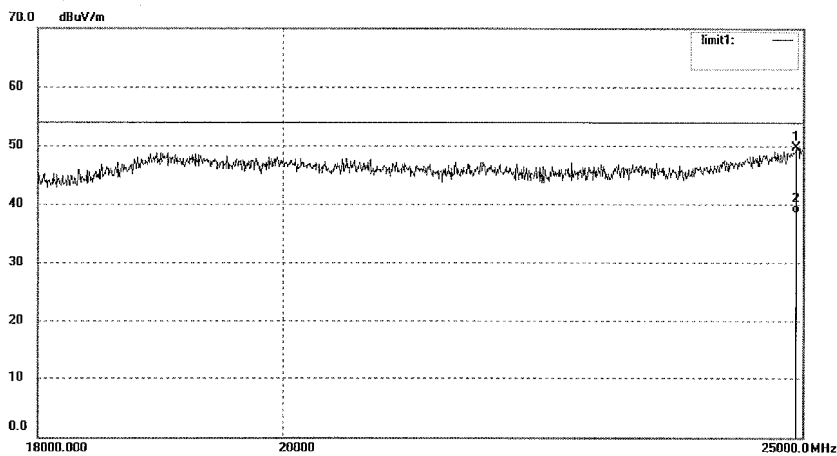


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Job No.: PYH #809	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 15/38/04
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24934.254	30.96	18.81	49.77	74.00	-24.23	peak			
2	24934.254	19.85	18.81	38.66	54.00	-15.34	AVG			

**Figure 64: Test figure of spurious emissions, mode B, Vertical polarity (18GHz – 25GHz), 8DPSK Modulation**



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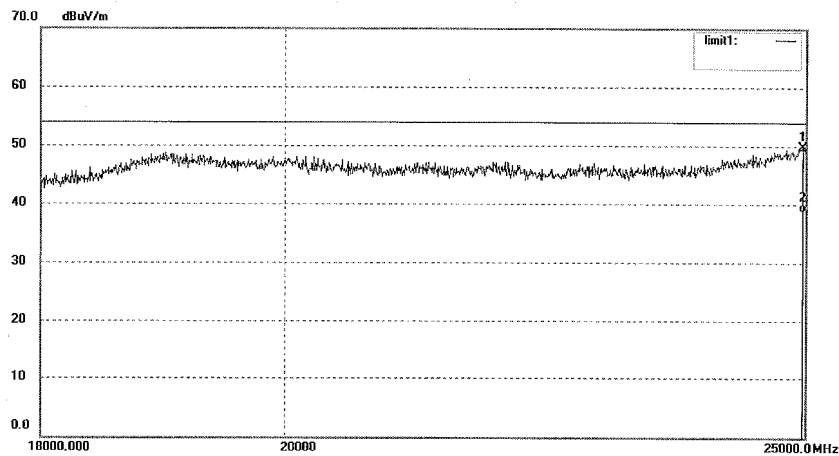
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Site: 2# Chamber

Tel:+86-0755-26503290  
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Job No.: PYH #810	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 25 C / 50 %	Time: 15/46/13
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24975.325	30.93	18.86	49.79	74.00	-24.21	peak			
2	24975.325	19.93	18.86	38.79	54.00	-15.21	AVG			

**Figure 65: Test figure of Radiated emissions in restricted bands, Mode A.1, Horizontal, GFSK Modulation**

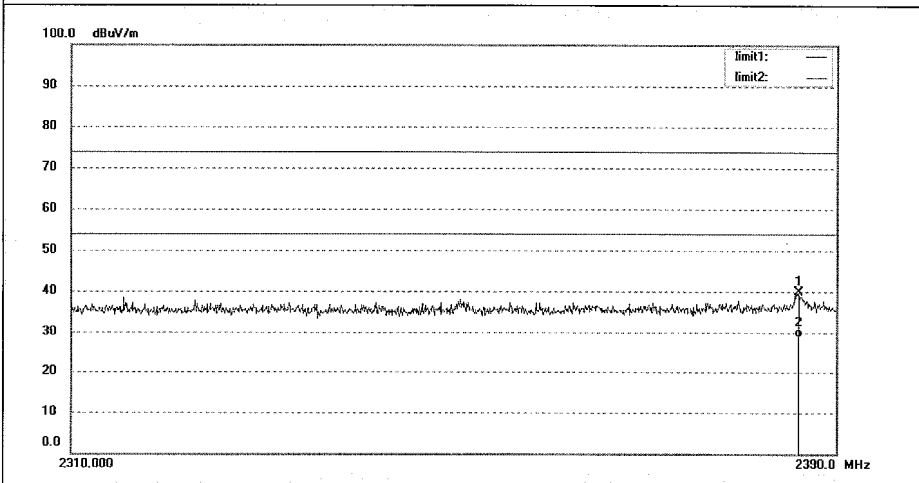


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Site: 2# Chamber  
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Job No.: PYH #757	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 2013/02/02
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 18:34:12
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2386.078	47.43	-7.56	39.87	74.00	-34.13	peak			
2	2386.078	36.56	-7.56	29.00	54.00	-25.00	AVG			

**Figure 66: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical, GFSK Modulation**



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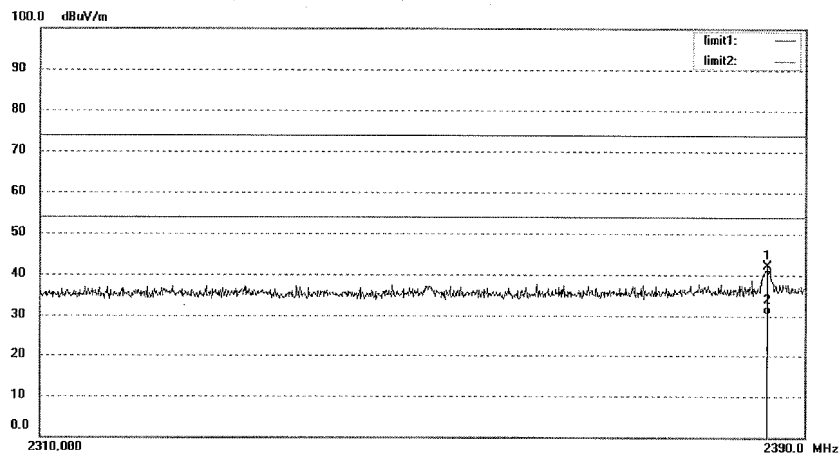
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #756	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 2013/02/02
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 18:22:31
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2386.099	49.65	-7.56	42.09	74.00	-31.91	peak			
2	2386.099	37.96	-7.56	30.40	54.00	-23.60	AVG			

**Figure 67: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal, GFSK Modulation**

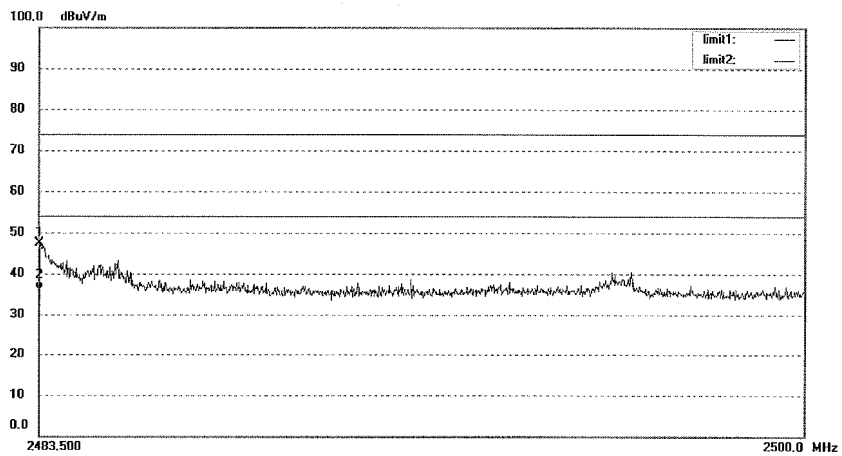


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 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #762	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 2013/02/02
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 19:35:58
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	54.86	-7.37	47.49	74.00	-26.51	peak			
2	2483.500	43.57	-7.37	36.20	54.00	-17.80	AVG			

**Figure 68: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical, GFSK Modulation**

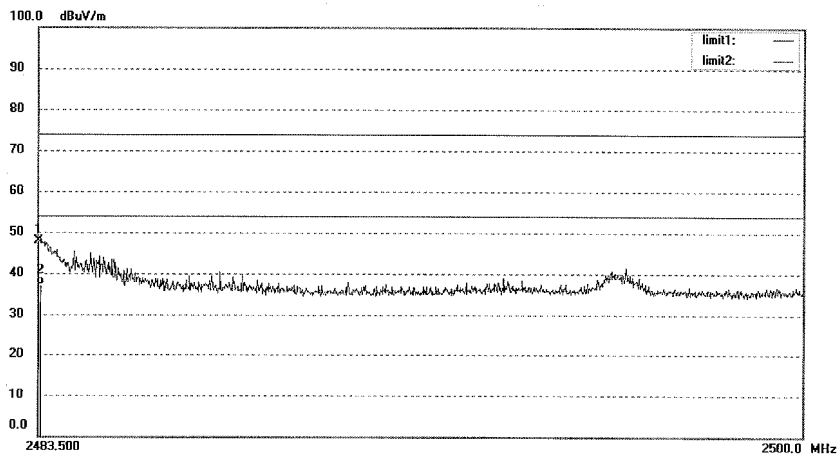


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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #763	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 2013/02/02
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 19:48:19
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: BDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	55.33	-7.37	47.96	74.00	-26.04	peak			
2	2483.500	44.48	-7.37	37.11	54.00	-16.89	AVG			

**Figure 69: Test figure of Radiated emissions in restricted bands, Mode A.1, Horizontal, 8DPSK Modulation**



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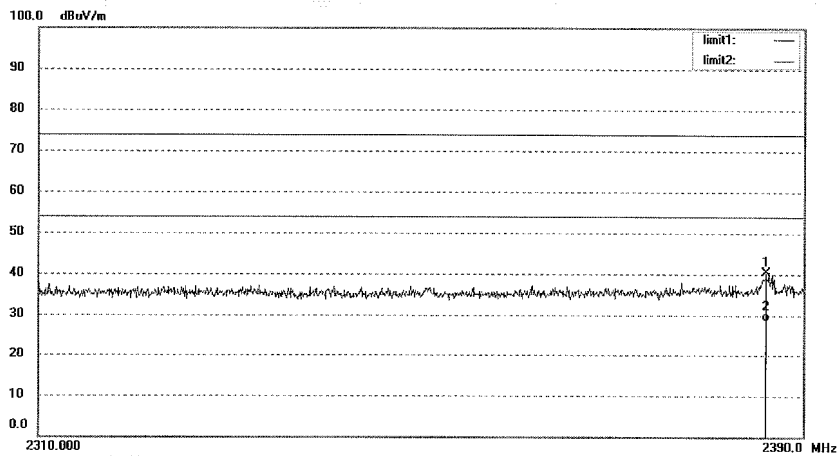
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: PYH #766	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 8/15/16
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2386.050	47.93	-7.56	40.37	74.00	-33.63	peak			
2	2386.050	36.26	-7.56	28.70	54.00	-25.30	AVG			

**Figure 70: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical, 8DP SK Modulation**

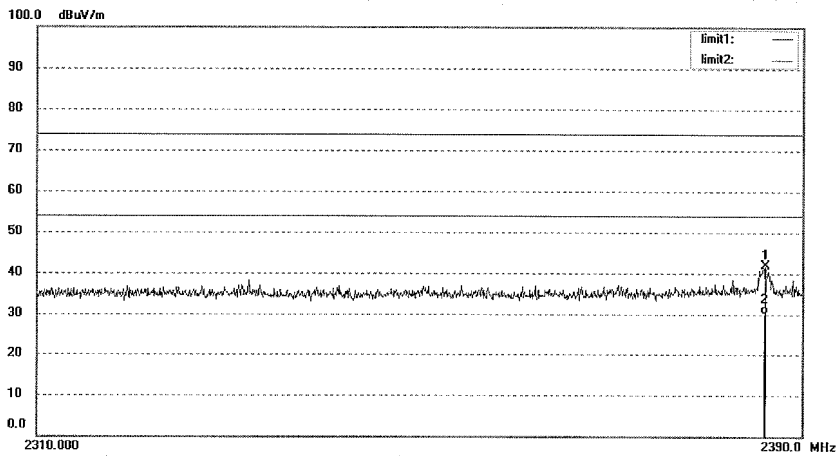


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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
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Job No.: PYH #767	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 8/27/42
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2386.105	49.41	-7.56	41.85	74.00	-32.15	peak			
2	2386.105	37.76	-7.56	30.20	54.00	-23.80	AVG			



**Figure 71: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal, 8DPSK Modulation**



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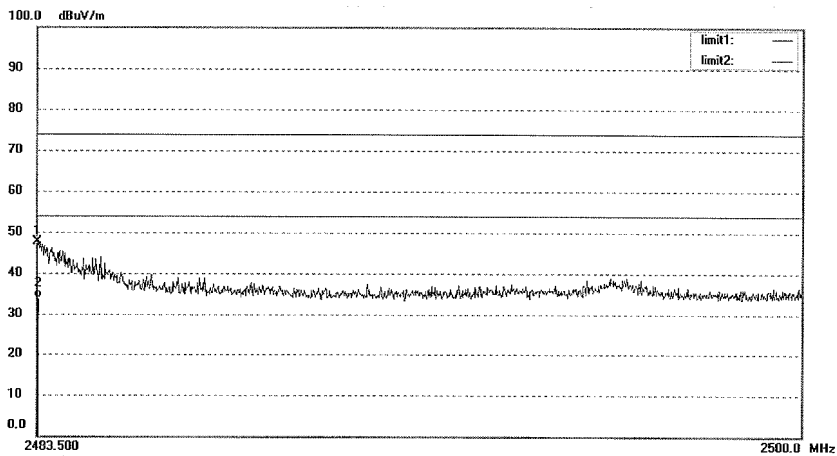
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #773	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 9/33/22
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	54.88	-7.37	47.51	74.00	-26.49	peak			
2	2483.500	41.17	-7.37	33.80	54.00	-20.20	AVG			

**Figure 72: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical, 8DPSK Modulation**

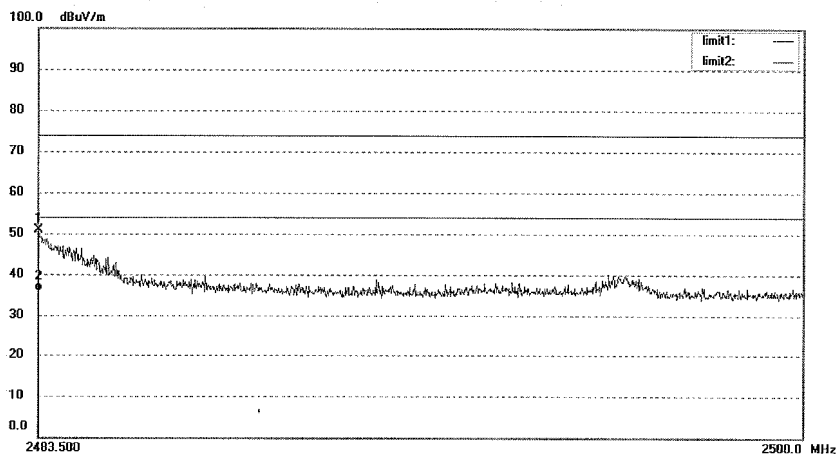


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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #772	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 9/25/26
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note: EDR



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	58.34	-7.37	50.97	74.00	-23.03	peak			
2	2483.500	43.27	-7.37	35.90	54.00	-18.10	AVG			

**Figure 73: Test figure of Conducted emissions, Mode A, line live**

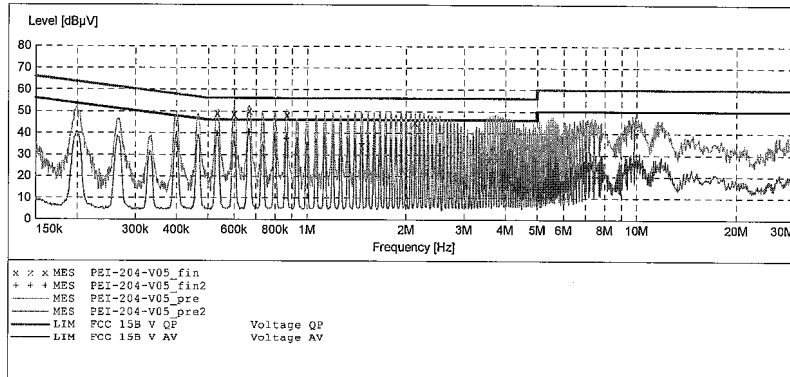
ACCURATE TECHNOLOGY CO., LTD

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: Clock Radio with Bluetooth M/N:NS-CLEB02  
 Manufacturer: Compupal  
 Operating Condition: Bluetooth Transmitting  
 Test Site: 1#Shielding Room  
 Operator: PEI  
 Test Specification: L 120V/60Hz  
 Comment: Mains port  
 Start of Test: 2/4/2013 / 9:00:49AM

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



**MEASUREMENT RESULT: "PEI-204-V05\_fin"**

2/4/2013 9:04AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.533841	49.00	11.3	56	7.0	QP	L1	GND
0.599363	48.40	11.3	56	7.6	QP	L1	GND
0.667575	50.00	11.3	56	6.0	QP	L1	GND
0.868810	48.30	11.3	56	7.7	QP	L1	GND
2.133095	45.00	11.3	56	11.0	QP	L1	GND

**MEASUREMENT RESULT: "PEI-204-V05\_fin2"**

2/4/2013 9:04AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.531714	40.70	11.3	46	5.3	AV	L1	GND
0.664915	41.20	11.3	46	4.8	AV	L1	GND
0.865349	39.40	11.3	46	6.6	AV	L1	GND
1.465687	39.90	11.3	46	6.1	AV	L1	GND

**Figure 74: Test figure of Conducted emissions, Mode A, line neutral**

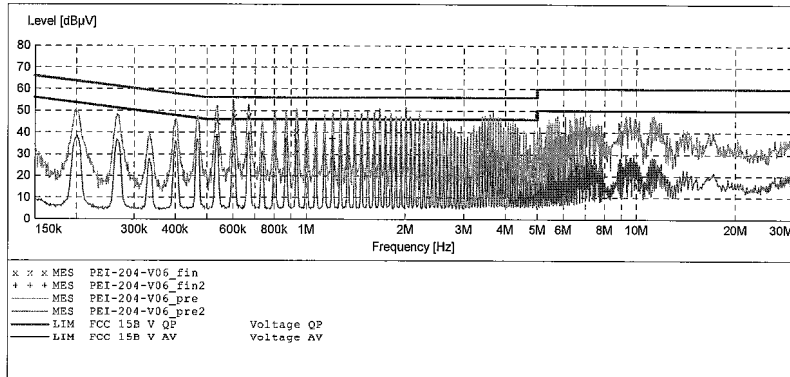
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**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: Clock Radio with Bluetooth M/N:NS-CLBT02  
 Manufacturer: Compupal  
 Operating Condition: Bluetooth Transmitting  
 Test Site: 1#Shielding Room  
 Operator: PEI  
 Test Specification: N 120V/60Hz  
 Comment: Mains port  
 Start of Test: 2/4/2013 / 9:05:03AM

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: SUB\_STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



**MEASUREMENT RESULT: "PEI-204-V06\_fin"**

2/4/2013 9:08AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.538120	45.30	11.3	56	10.7	QP	N	GND
0.604167	47.10	11.3	56	8.9	QP	N	GND
0.670245	47.40	11.3	56	8.6	QP	N	GND
0.933537	40.10	11.3	56	15.9	QP	N	GND

**MEASUREMENT RESULT: "PEI-204-V06\_fin2"**

2/4/2013 9:08AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.535976	37.70	11.3	46	8.3	AV	N	GND
0.601760	36.50	11.3	46	9.5	AV	N	GND
0.670245	39.10	11.3	46	6.9	AV	N	GND
1.205284	37.00	11.3	46	9.0	AV	N	GND

**Figure 75: Test figure of Conducted emissions, Mode C, line live**

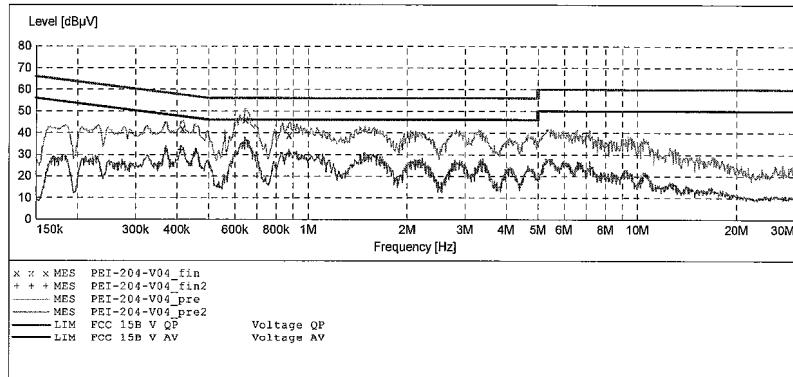
ACCURATE TECHNOLOGY CO., LTD

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: Clock Radio with Bluetooth M/N:NS-CLBT02  
 Manufacturer: Compupal  
 Operating Condition: Radio FM  
 Test Site: 1#Shielding Room  
 Operator: PEI  
 Test Specification: L 120V/60Hz  
 Comment: Mains port  
 Start of Test: 2/4/2013 / 8:53:31AM

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: SUB STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK0126 2008  
 Average



**MEASUREMENT RESULT: "PEI-204-V04\_fin"**

2/4/2013 8:56AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.415134	41.70	11.2	58	15.8	QP	L1	GND
0.646592	46.10	11.3	56	9.9	QP	L1	GND
0.875775	38.90	11.3	56	17.1	QP	L1	GND

**MEASUREMENT RESULT: "PEI-204-V04\_fin2"**

2/4/2013 8:56AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.411832	31.90	11.2	48	15.7	AV	L1	GND
0.644016	34.90	11.3	46	11.1	AV	L1	GND
0.875775	30.00	11.3	46	16.0	AV	L1	GND

**Figure 76: Test figure of Conducted emissions, Mode C, line neutral**

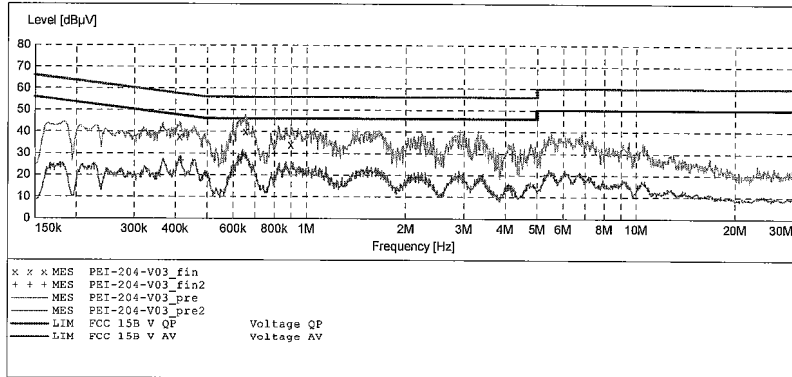
ACCURATE TECHNOLOGY CO., LTD

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: Clock Radio with Bluetooth M/N:NS-CLBT02  
 Manufacturer: Compupal  
 Operating Condition: Radio FM  
 Test Site: 1#Shielding Room  
 Operator: PEI  
 Test Specification: N 120V/60Hz  
 Comment: Mains port  
 Start of Test: 2/4/2013 / 8:49:58AM

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: SUB STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



**MEASUREMENT RESULT: "PEI-204-V03\_fin"**

2/4/2013 8:52AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.411832	37.50	11.2	58	20.1	QP	N	GND
0.654382	39.90	11.3	56	16.1	QP	N	GND
0.897004	34.00	11.3	56	22.0	QP	N	GND

**MEASUREMENT RESULT: "PEI-204-V03\_fin2"**

2/4/2013 8:52AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.415134	26.50	11.2	48	21.0	AV	N	GND
0.641450	29.20	11.3	46	16.8	AV	N	GND

**Figure 77: Test figure of Conducted emissions, Mode D, line live**

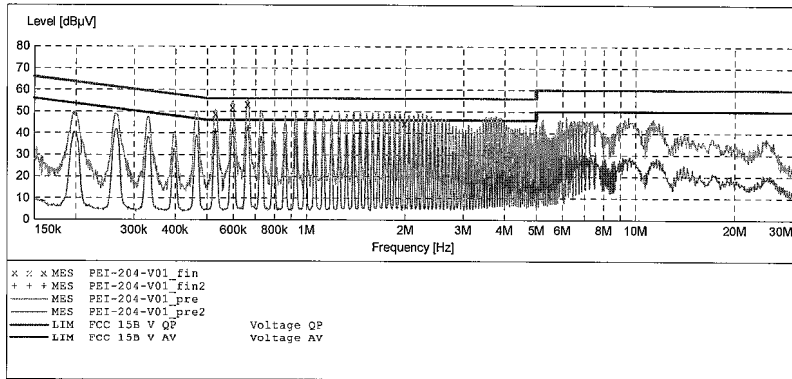
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Clock Radio with Bluetooth M/N:NS-CLBT02  
 Manufacturer: Compupal  
 Operating Condition: Aux in  
 Test Site: 1#Shielding Room  
 Operator: PEI  
 Test Specification: L 120V/60Hz  
 Comment: Mains port  
 Start of Test: 2/4/2013 / 8:33:29AM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 0.0 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



**MEASUREMENT RESULT: "PEI-204-V01\_fin"**

2/4/2013 8:42AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.529596	48.70	11.3	56	7.3	QP	L1	GND
0.596975	51.90	11.3	56	4.1	QP	L1	GND
0.662266	53.00	11.3	56	3.0	QP	L1	GND
1.985196	44.40	11.3	56	11.6	QP	L1	GND

**MEASUREMENT RESULT: "PEI-204-V01\_fin2"**

2/4/2013 8:42AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.529596	40.50	11.3	46	5.5	AV	L1	GND
0.596975	40.80	11.3	46	5.2	AV	L1	GND
0.664915	42.20	11.3	46	3.8	AV	L1	GND
1.459848	39.70	11.3	46	6.3	AV	L1	GND

**Figure 78: Test figure of Conducted emissions, Mode D, line neutral**

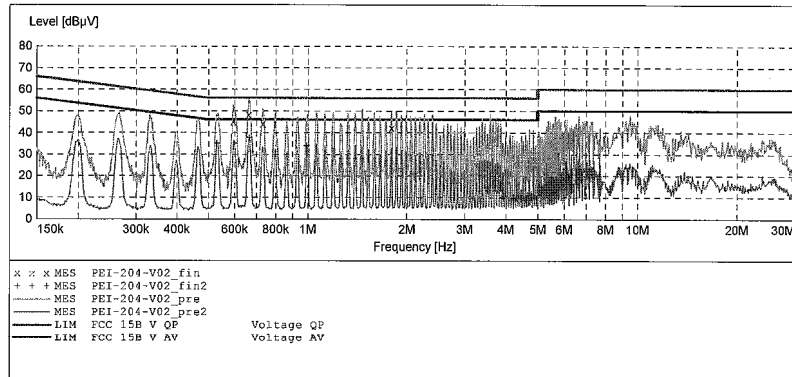
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Clock Radio with Bluetooth M/N: NS-CLBT02  
 Manufacturer: Compupal  
 Operating Condition: Aux in  
 Test Site: 1#Shielding Room  
 Operator: PEI  
 Test Specification: N 120V/60Hz  
 Comment: Mains port  
 Start of Test: 2/4/2013 / 8:43:58AM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



MEASUREMENT RESULT: "PEI-204-V02\_fin"

2/4/2013 8:47AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.594596	45.10	11.3	56	10.9	QP	N	GND
0.662266	48.20	11.3	56	7.8	QP	N	GND
0.731771	44.10	11.3	56	11.9	QP	N	GND
1.796638	42.20	11.3	56	13.8	QP	N	GND

MEASUREMENT RESULT: "PEI-204-V02\_fin2"

2/4/2013 8:47AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.529596	34.90	11.3	46	11.1	AV	N	GND
0.596975	35.00	11.3	46	11.0	AV	N	GND
0.664915	37.50	11.3	46	8.5	AV	N	GND
0.995110	33.80	11.3	46	12.2	AV	N	GND



**Figure 79: Test figure of Radiated emissions, Mode C, Below 1GHz, Horizontal**

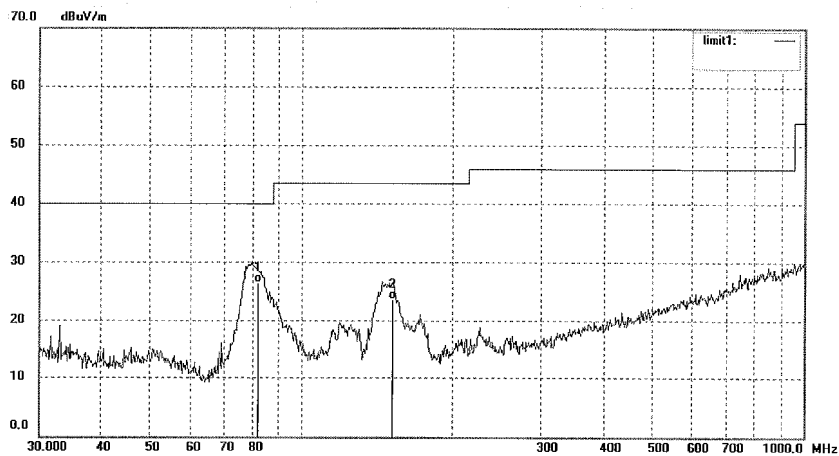


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Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #813	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 16/13/19
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: FM 88.1MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	82.3157	13.63	12.97	26.60	40.00	-13.40	QP			
2	151.5567	12.11	11.54	23.65	43.50	-19.85	QP			

**Figure 80: Test figure of Radiated emissions, Mode C, Below 1GHz, Vertical**



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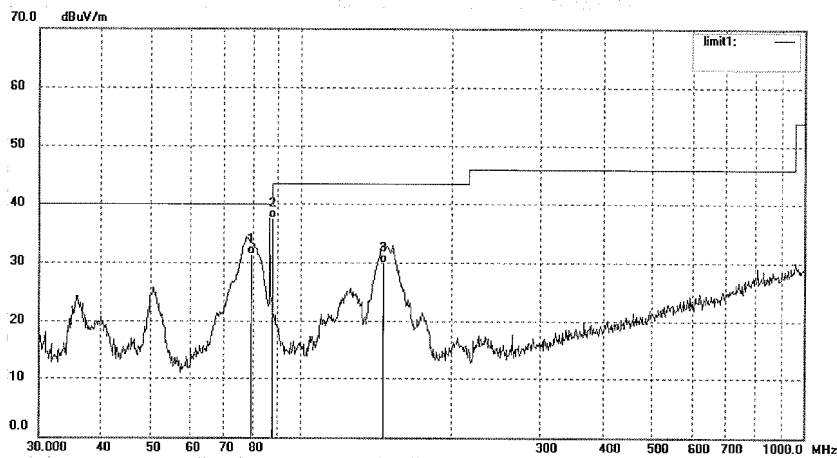
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #814	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 16/21/42
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: FM 88.1MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	80.2523	18.91	12.50	31.41	40.00	-8.59	QP			
2	88.1000	23.84	13.75	37.59	43.50	-5.91	QP			
3	146.6660	18.60	11.50	30.10	43.50	-13.40	QP			

**Figure 81: Test figure of Radiated emissions, Mode C, Above 1GHz, Horizontal**

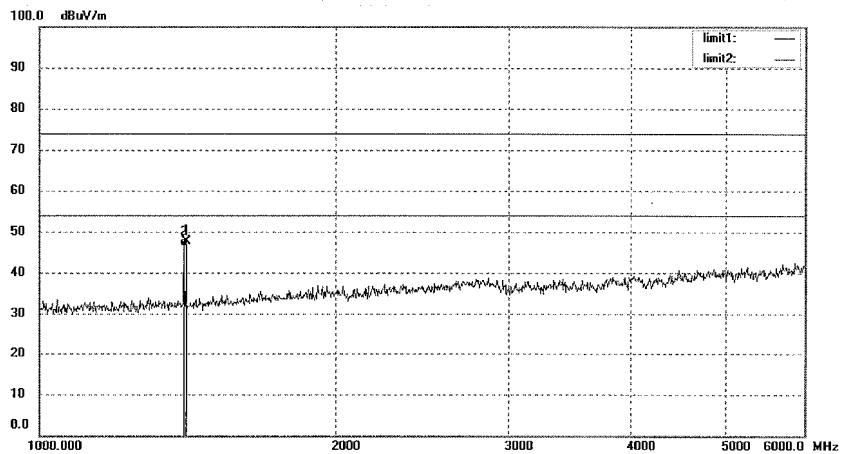


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 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #820	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 17/06/38
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: FM 88.1MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1407.570	59.51	-11.76	47.75	74.00	-26.25	peak			
2	1407.570	58.06	-11.76	46.30	54.00	-7.70	AVG			

**Figure 82: Test figure of Radiated emissions, Mode C, Above 1GHz, Vertical**



**ACCURATE TECHNOLOGY CO., LTD.**

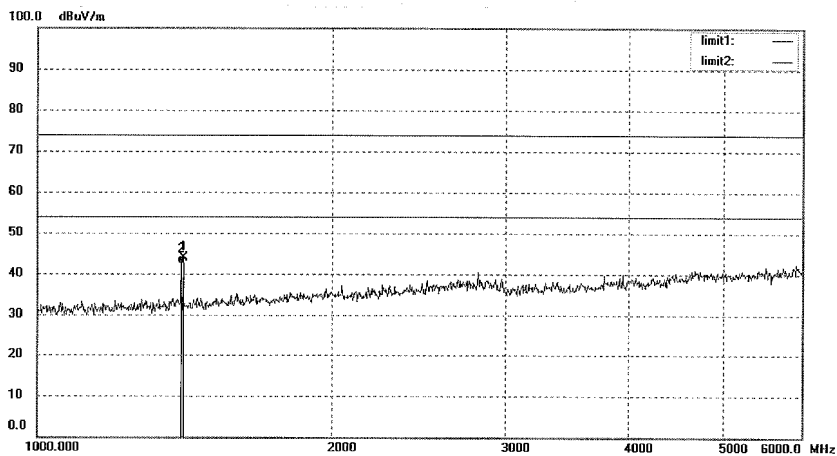
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #819	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 16/59/28
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: FM 88.1MHz	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1407.614	55.58	-11.76	43.82	74.00	-30.18	peak			
2	1407.614	54.16	-11.76	42.40	54.00	-11.60	AVG			

**Figure 83: Test figure of Radiated emissions, Mode D, Below 1GHz, Horizontal**



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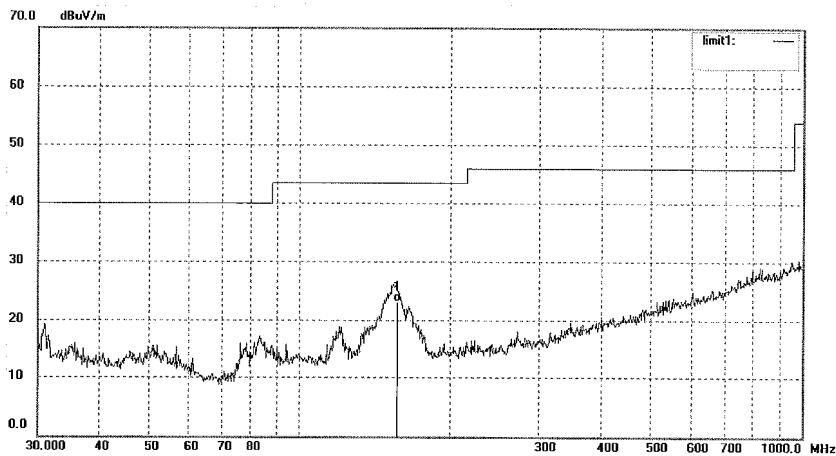
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #811	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 15/55/01
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: Aux in	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	155.7017	11.52	11.64	23.16	43.50	-20.34	QP			

**Figure 84: Test figure of Radiated emissions, Mode D, Below 1GHz, Vertical**

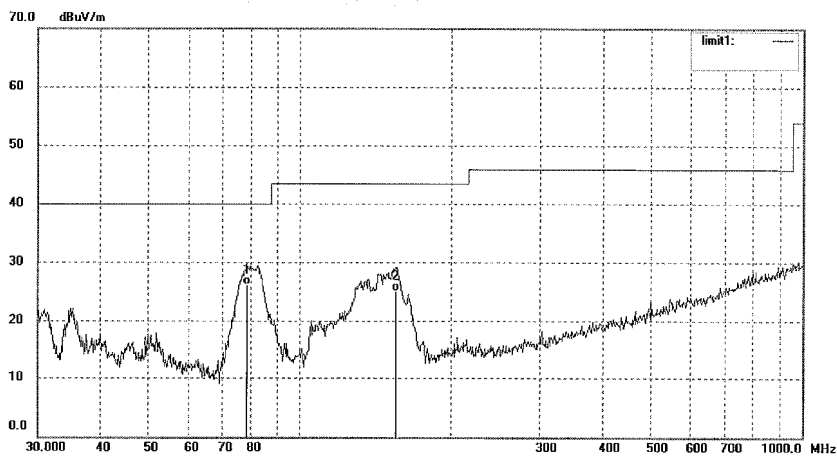


**ACCURATE TECHNOLOGY CO., LTD.**  
 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #812	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 16/04/22
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: Aux in	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	78.8888	14.00	12.18	26.18	40.00	-13.82	QP			
2	155.3305	13.52	11.60	25.12	43.50	-18.38	QP			

**Figure 85: Test figure of Radiated emissions, Mode D, Above 1GHz, Horizontal**



**ACCURATE TECHNOLOGY CO., LTD.**

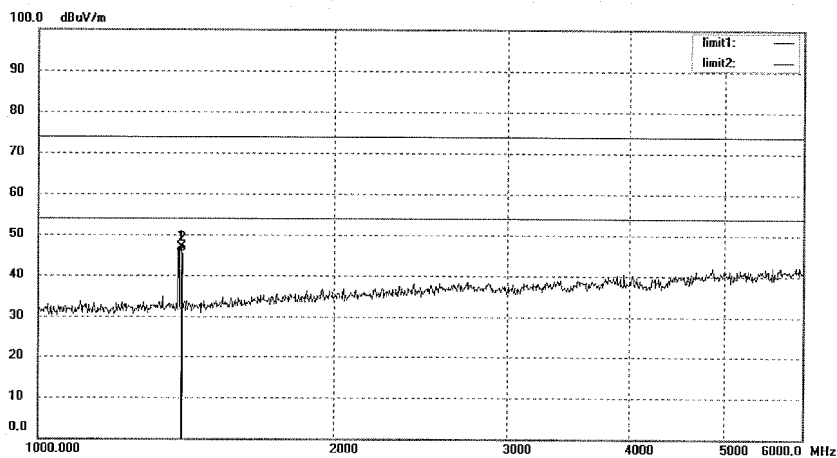
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

Job No.: PYH #826	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 17/48/17
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: Aux in	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1397.040	58.66	-11.82	46.84	74.00	-27.16	peak			
2	1397.040	57.40	-11.82	45.58	54.00	-8.42	AVG			

**Figure 86: Test figure of Radiated emissions, Mode D, Above 1GHz, Vertical**



**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
 Science & Industry Park,Nanshan Shenzhen,P.R.China

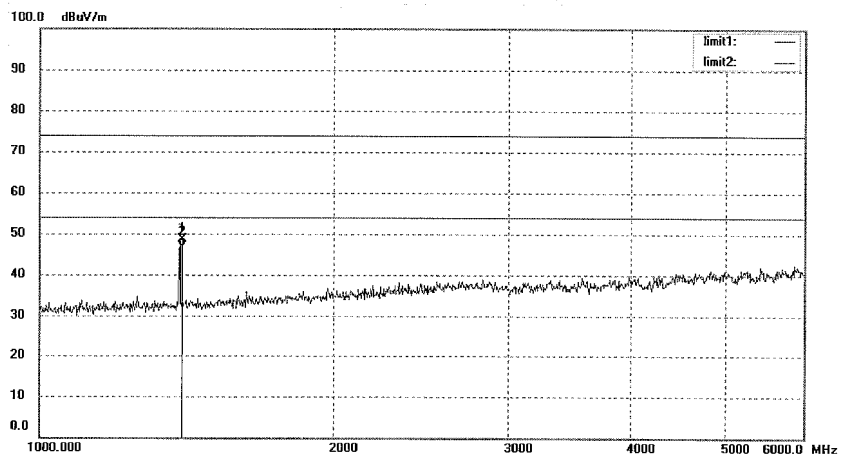
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PYH #825	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/02/03/
Temp.( C)/Hum.(%) 26 C / 55 %	Time: 17/41/54
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: Aux in	Distance: 3m
Model: NS-CLBT02	
Manufacturer: Compupal	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1397.101	60.38	-11.82	48.56	74.00	-25.44	peak			
2	1397.101	58.68	-11.82	46.86	54.00	-7.14	AVG			