Produkte
Products

TÜVRheinland®

Prüfbericht - Nr.: *Test Report No.:*	**17030656 001**	**Seite 1 von 39** *Page 1 of 39*
Auftraggeber: *Client:*	**Compupal Group Corporation. No.1555 Jiashan Avenue, Jiashan 314113, Zhejiang, China**	
Gegenstand der Prüfung: *Test item:*	**Clock Radio with Bluetooth**	
Bezeichnung: *Identification:*	**NS-CLBT01-B NS-CLBT01-W**	**Serien-Nr.:** *Serial No.:* n.a.
Wareneingangs-Nr.: *Receipt No.:*	**164002027**	**Eingangsdatum:** *Date of receipt:* **2012-12-19**
Zustand des Prüfgegenstandes bei Anlieferung: **Condition of test item at delivery:**	Test samples received are sufficient for testing and not damaged.	
Prüfort: *Testing location:*	**Shenzhen Accurate Technology Co., Ltd. (Details refer to clause 2.1)**	
Prüfgrundlage: *Test specification:*	**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**	
Prüfergebnis: *Test Result:*	**Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).** *The test item passed the test specification(s).*	
Prüflaboratorium: *Testing Laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.	

geprüft/ *tested by:*

2013-03-01 Sam Lin/ Project Manager

Datum *Date*	Name/Stellung *Name/Position*	Unterschrift *Signature*

kontrolliert/ *reviewed by:*

2013-03-05 Winnie Hou/ Technical Certifier

Datum *Date*	Name/Stellung *Name/Position*	Unterschrift *Signature*

Sonstiges/ *Other Aspects:*

Abkürzungen:				*Abbreviations:*			
	P(ass)	=	*entspricht Prüfgrundlage*		*P(ass)*	=	*passed*
	F(ail)	=	*entspricht nicht Prüfgrundlage*		*F(ail)*	=	*failed*
	N/A	=	*nicht anwendbar*		*N/A*	=	*not applicable*
	N/T	=	*nicht getestet*		*N/T*	=	*not tested*

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

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 Meterial 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

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Spurious emission and Radiated emission				
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
Radio Test Suite				
Receiver	Rohde & Schwarz	ESPI	100396/003	2014-01-07
Conducted Emission				
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 basics using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are ±3dB.

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix1 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 Meterial 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.
Bothe models are identical except different color of enclosure.
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-CLBT01-B, NS-CLBT01-W
FCC ID	Z5YNS-CLBT01
IC	10828A-CLBT01

Table 3: Technical Specification of EUT

Technical Specification	**Value**
Operating Frequency band	2402 – 2480 MHz
Channel separation	1MHz
Extreme Temperature Range	-20ºC to +55ºC
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	0.00216W (3.35dBm)

Table 4: Frequency hopping information

Technical Specification	Description
Hopping Range	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).
Hopping Sequence	Example of a 79 hopping sequence in data mode: 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,
Receiver input bandwidth	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. 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. 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. That means a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.

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

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

Due to the models' difference indicated in clause 3.1, full test was applied on NS-CLBT01-B.

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

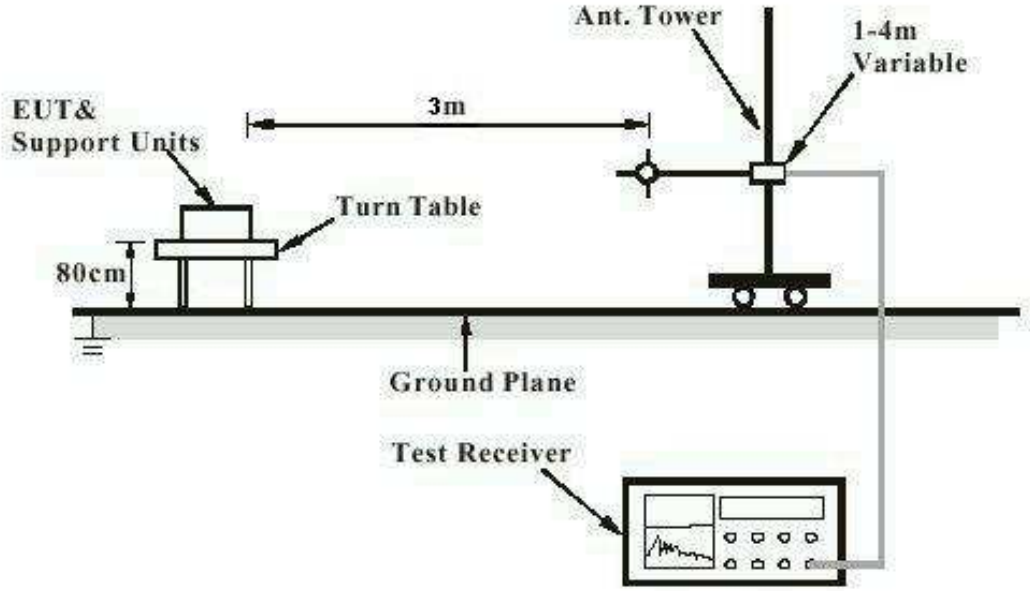


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement

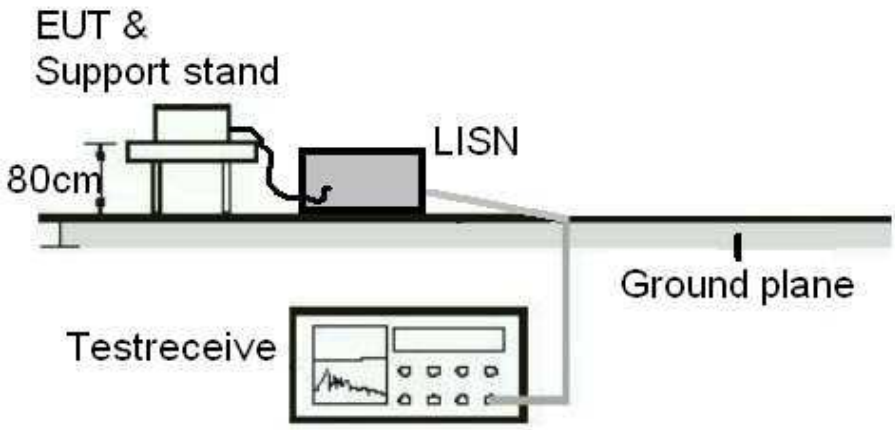
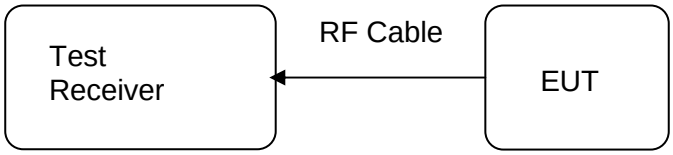


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Passed**

Test date	:	2013-01-26
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	:	2013-01-31
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℃
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
		(dBm)	(W)	(W)
Low Channel	2402	3.35	0.00216	0.125
Middle Channel	2441	3.22	0.00210	0.125
High Channel	2480	2.72	0.00187	0.125

Remark: RBW is 1MHz

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

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	2.95	0.00197	0.125
Middle Channel	2441	2.98	0.00199	0.125
High Channel	2480	2.49	0.00177	0.125

Remark: RBW is 3MHz

5.1.3 20dB Bandwidth

RESULT: **Passed**

Date of testing	:	2013-01-26
Test standard	:	FCC Part 15.247(a)(1) RSS-210 A8.1 (a)
Basic standard	:	ANSI C63.4: 2003
Kind of test site	:	Shielded room

Test setup

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

Table 7: Test result of 20dB Bandwidth, GFSK modulation

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	918	/	Pass
Mid Channel	2441	924	/	Pass
High Channel	2480	912	/	Pass

Table 8: Test result of 20dB Bandwidth, 8DPSK modulation

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	1266	/	Pass
Mid Channel	2441	1264	/	Pass
High Channel	2480	1260	/	Pass

5.1.4 99% Bandwidth

RESULT: **Passed**

Date of testing	:	2013-01-26
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℃
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	936	/	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	1230	/	Pass
Mid Channel	2441	1242	/	Pass
High Channel	2480	1248	/	Pass

5.1.5 Conducted spurious emissions measured in 100kHz Bandwidth

RESULT: **Passed**

Date of testing	:	2013-01-26
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

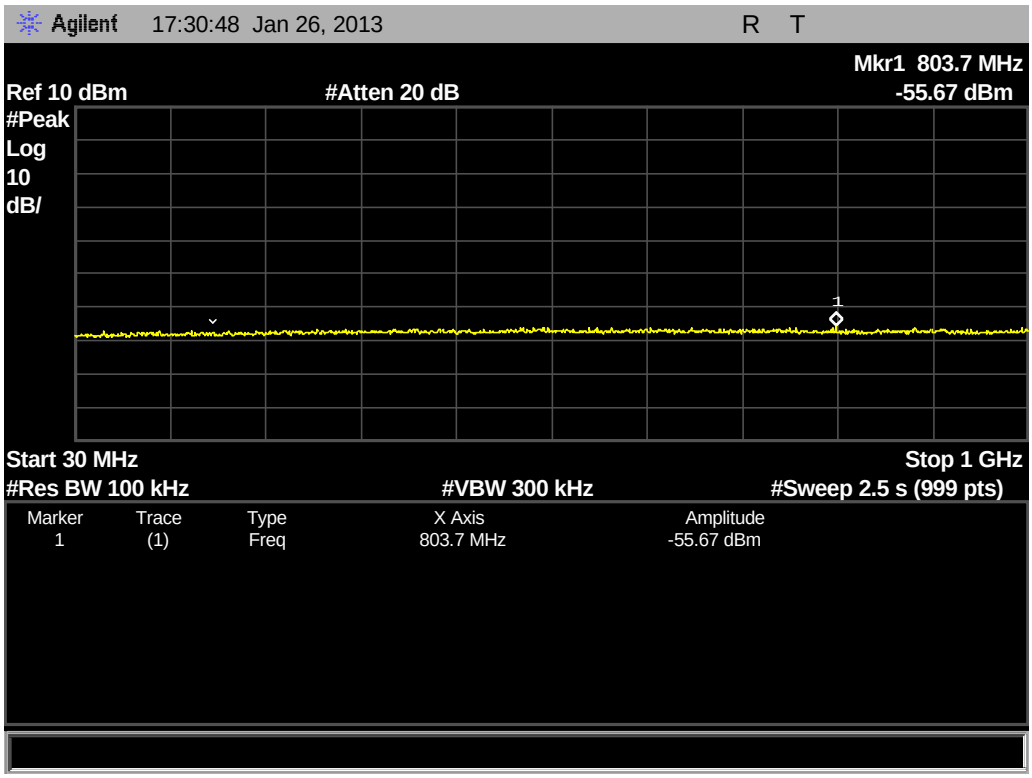
Test setup

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

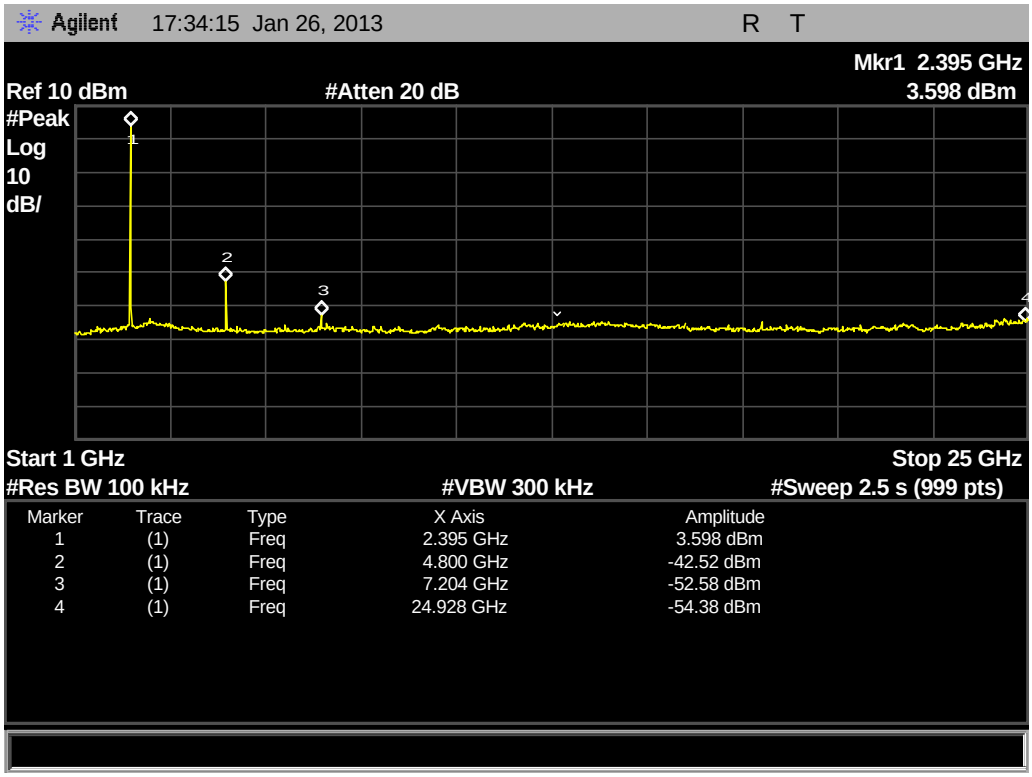
All emissions are more than 20dB below fundamental, details refer to following test plot, and compliance is achived as well.

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

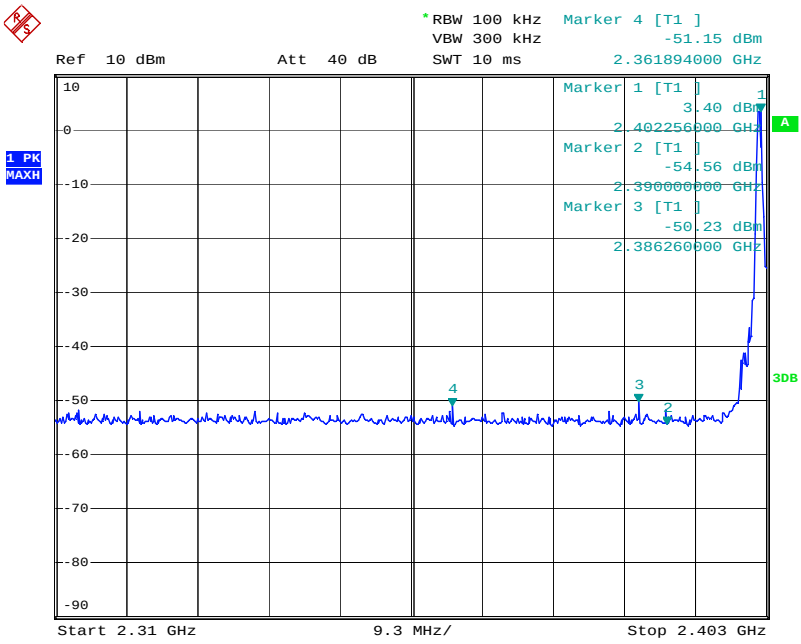
Low Channel, below 1GHz



Low Channel, above 1GHz

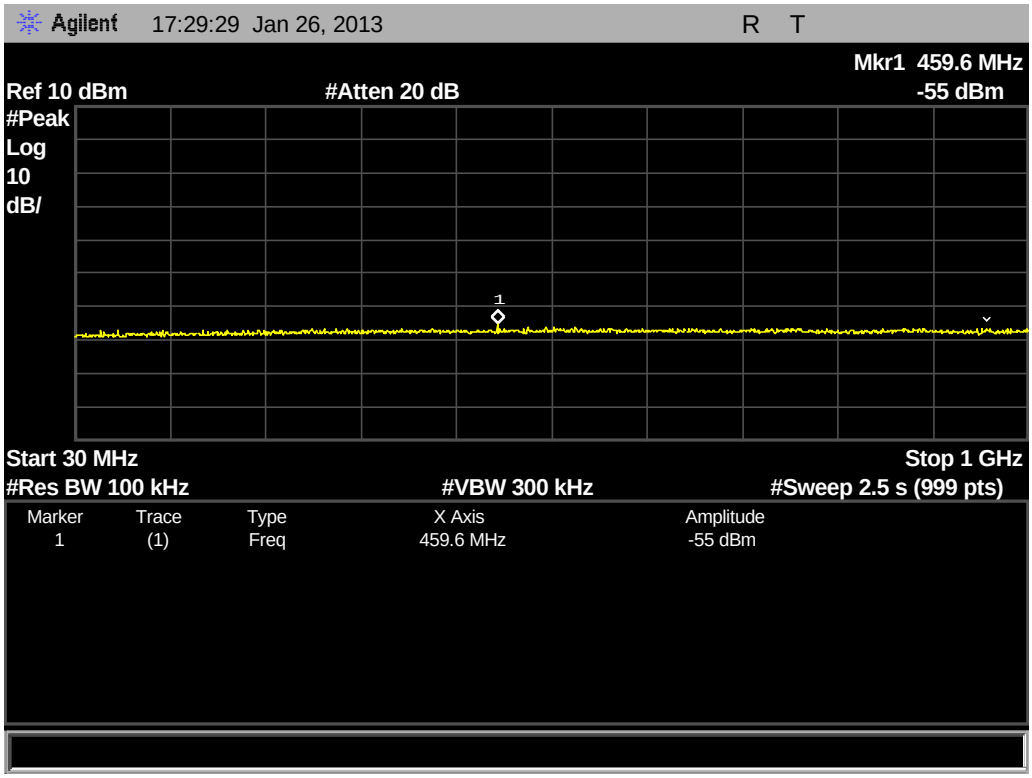


Low Channel, Band Edge

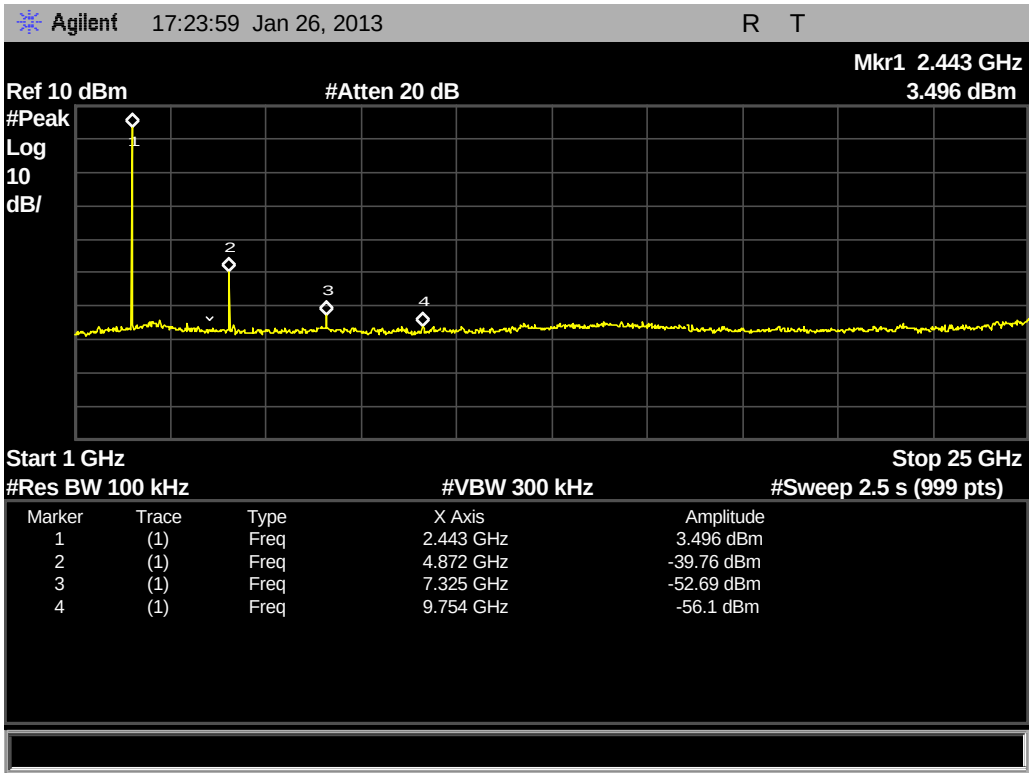


Date: 26.JAN.2013 11:31:01

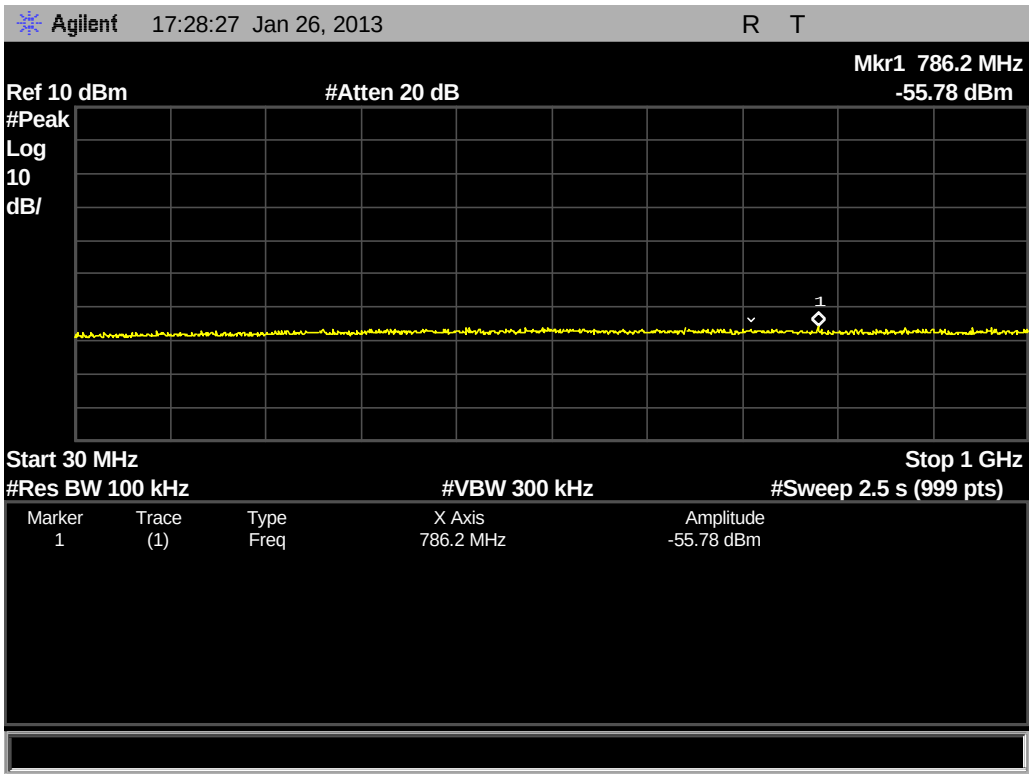
Middle Channel, below 1GHz



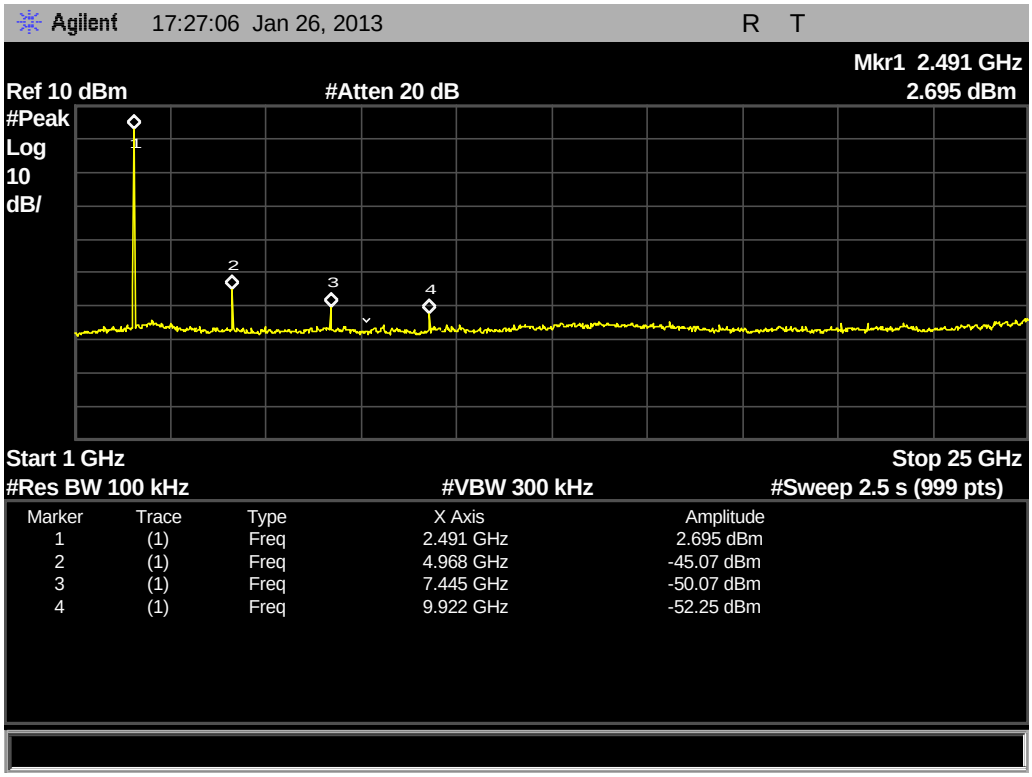
Middle Channel, above 1GHz



High Channel, below 1GHz

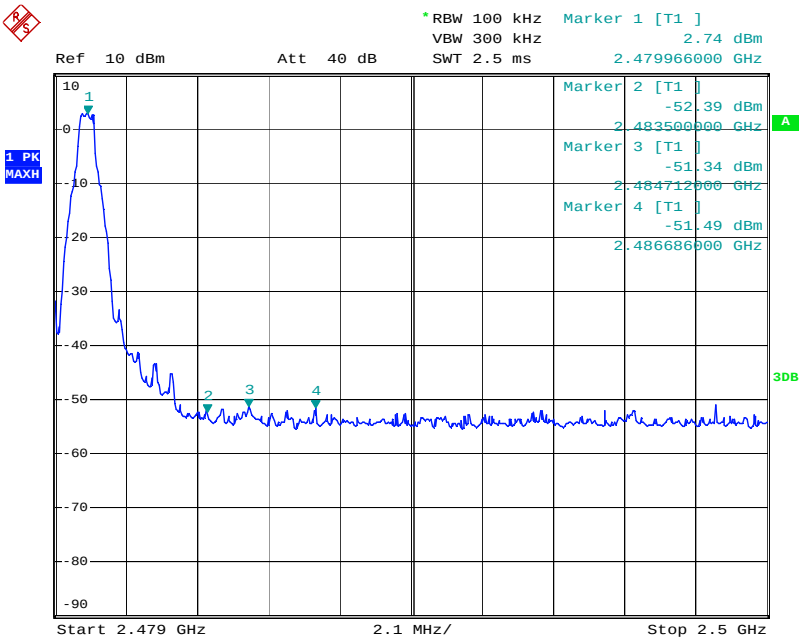


High Channel, above 1GHz



Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	2.491 GHz	2.695 dBm
2	(1)	Freq	4.968 GHz	-45.07 dBm
3	(1)	Freq	7.445 GHz	-50.07 dBm
4	(1)	Freq	9.922 GHz	-52.25 dBm

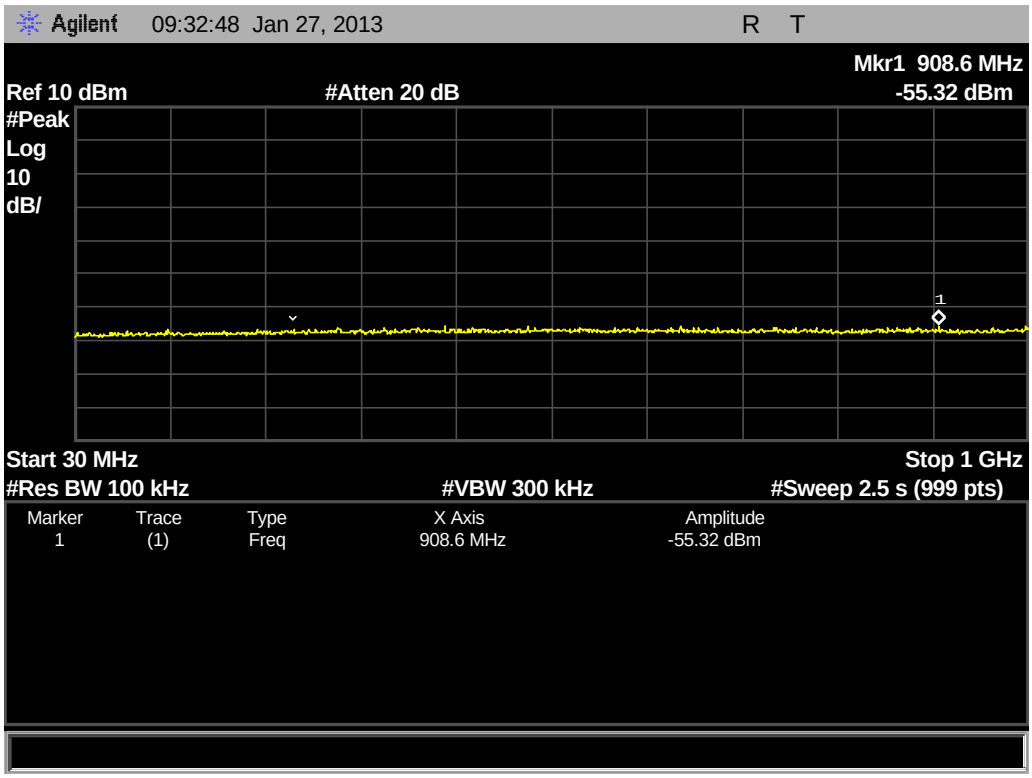
High Channel, Band Edge



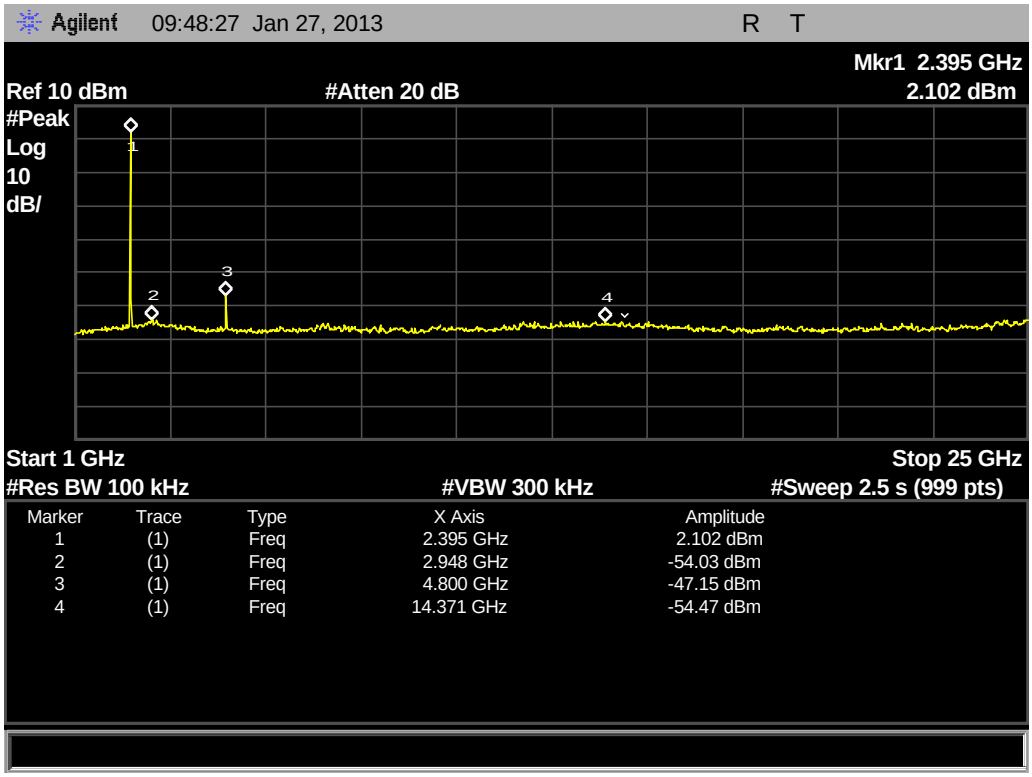
Date: 26.JAN.2013 11:33:00

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

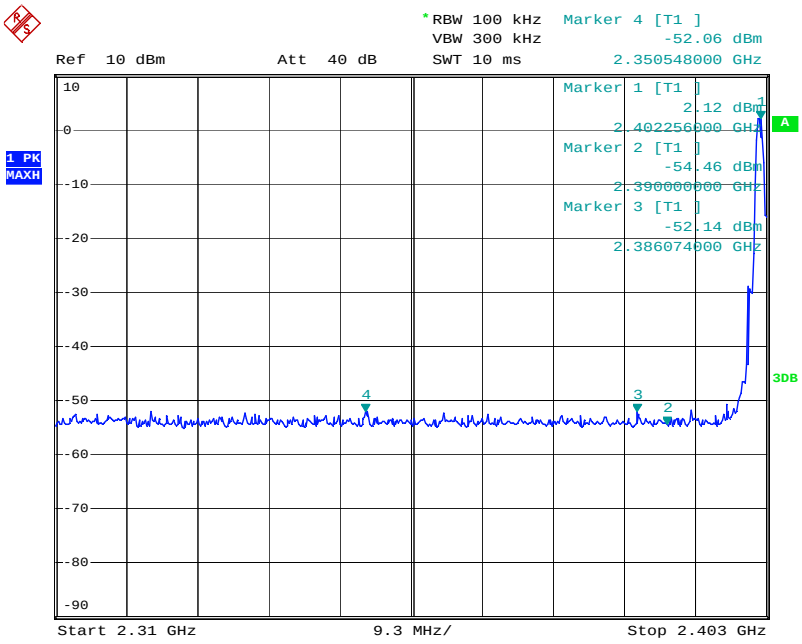
Low Channel, below 1GHz



Low Channel, above 1GHz



Low Channel, Band Edge



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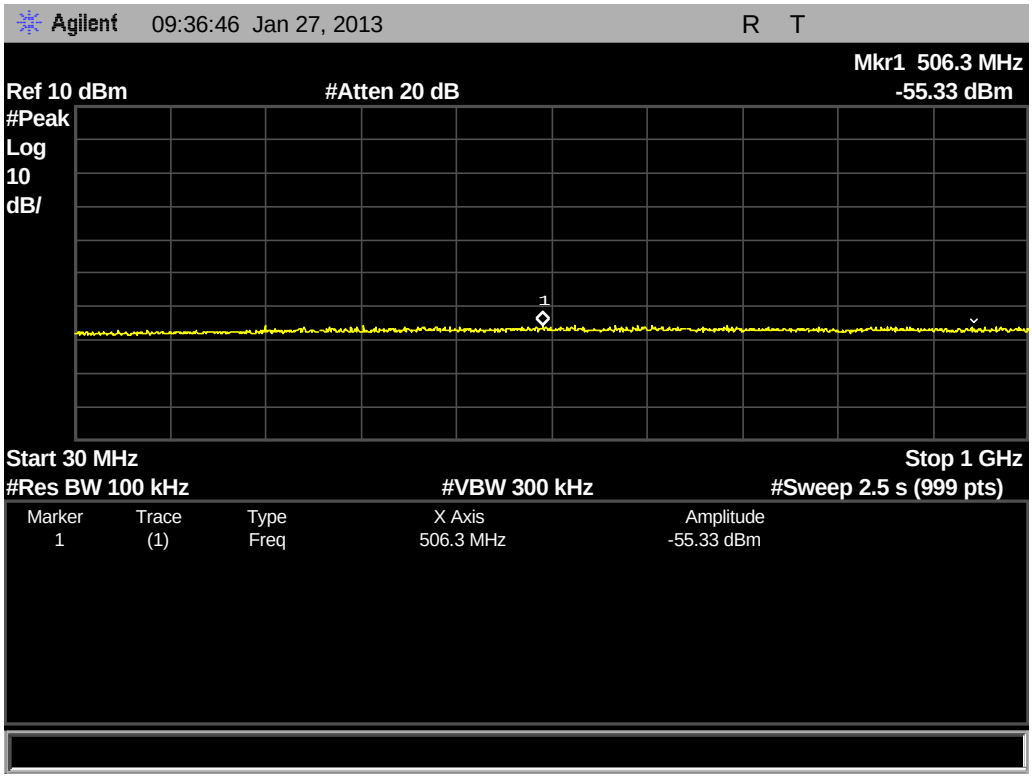
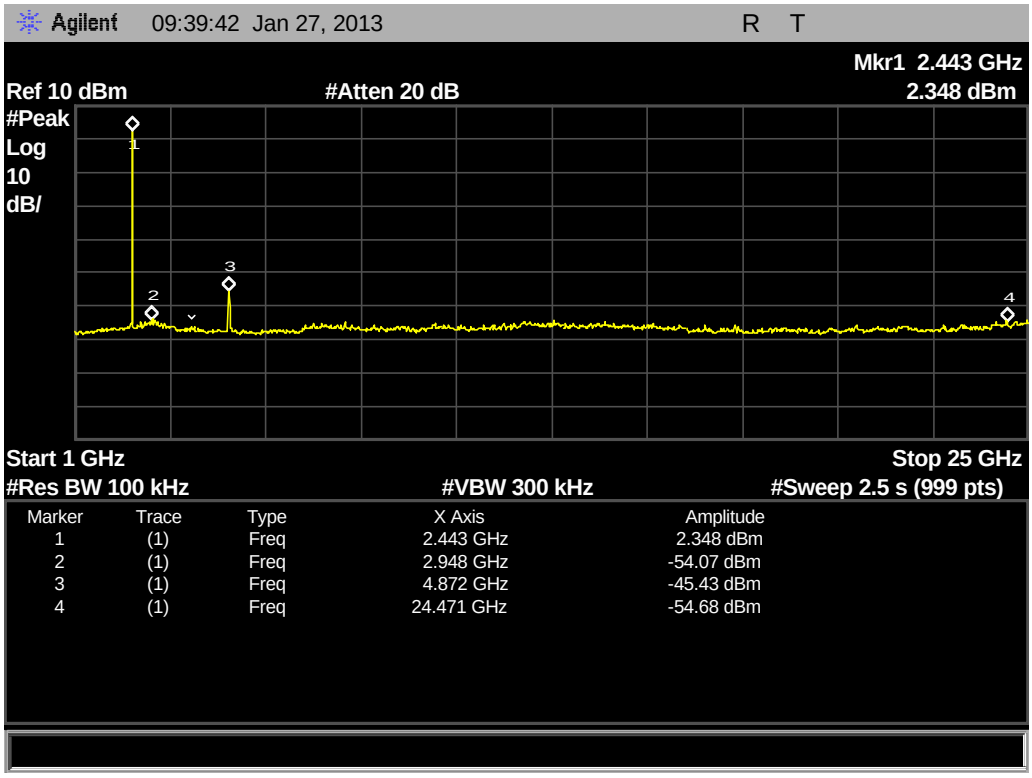
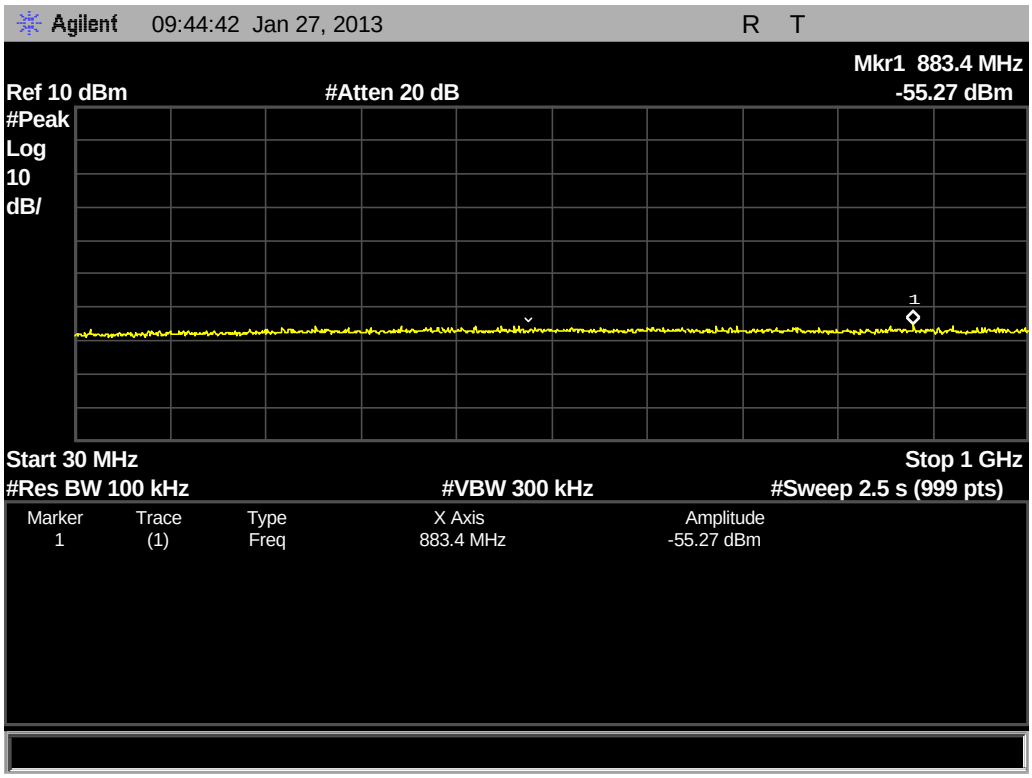
Middle Channel, below 1GHz



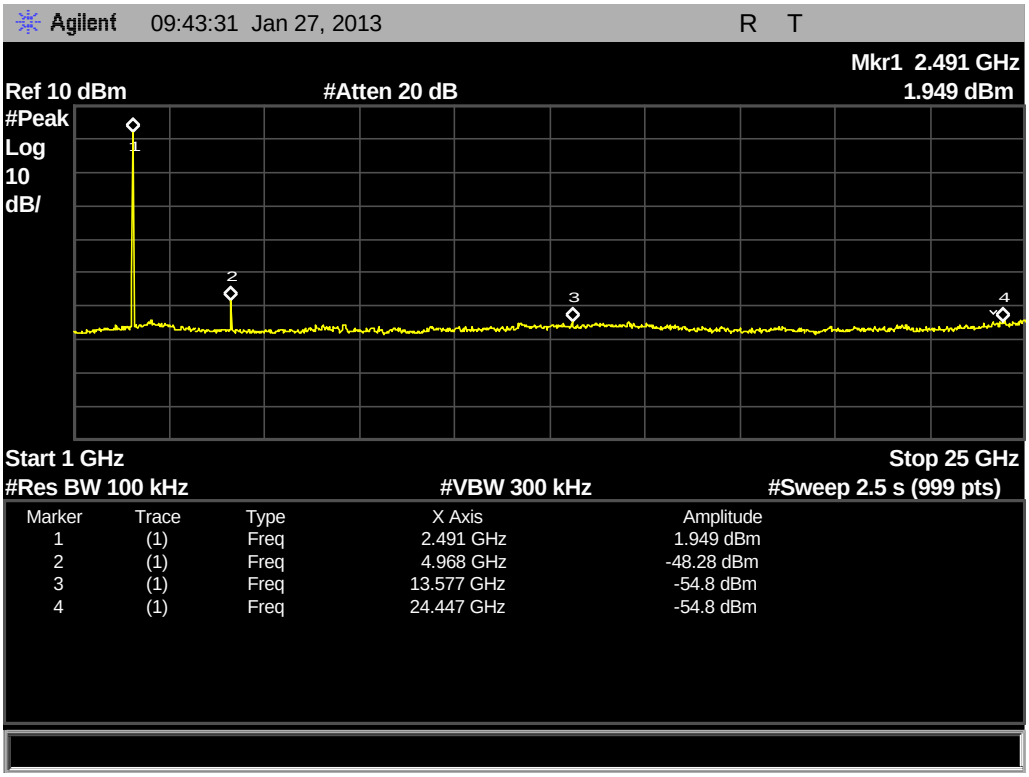
Middle Channel, above 1GHz



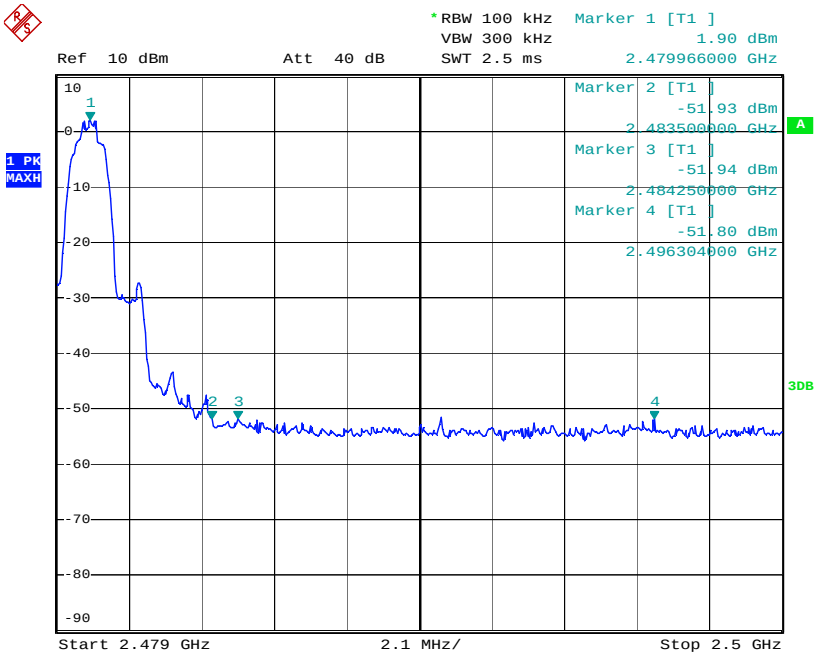
High Channel, below 1GHz



High Channel, above 1GHz



High Channel, Band Edge



Date: 26.JAN.2013 11:34:31

5.1.6 Spurious Emission

RESULT: **Passed**

Date of testing	:	2013-01-27 to 2013-01-28
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℃
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	:	2013-01-26
Test standard	:	FCC part 15.247(a)(1) RSS-210 A8.1 (b)
Basic standard	:	ANSI C63.4: 2003
Limit	:	≥ 25kHz or 2/3 of 20dB bandwidth, whichever is greater

Test setup

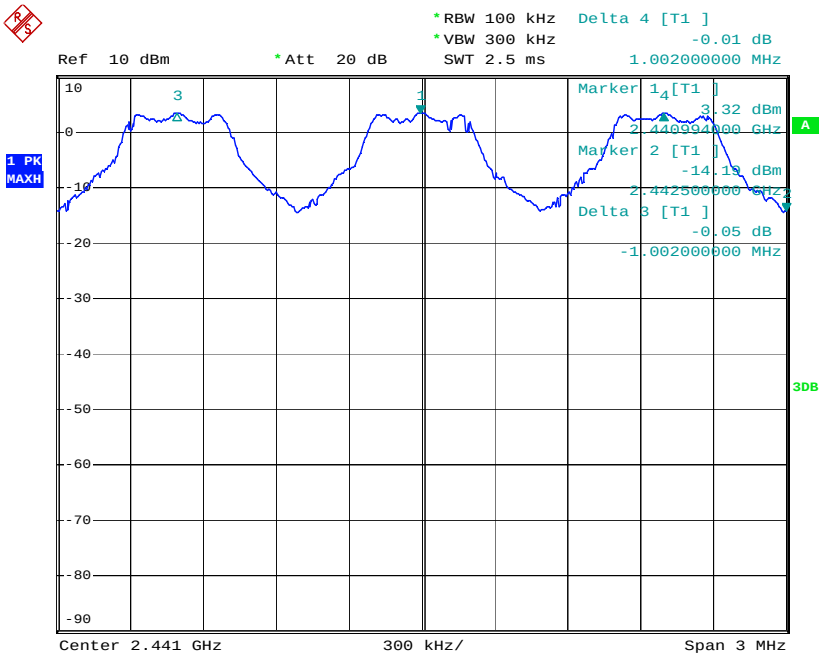
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	22℃
Relative humidity	:	52%
Atmospheric pressure	:	101 kPa

Table 11: Test result of Frequency Separation

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

Test Plot of Frequency Separation

Low Channel



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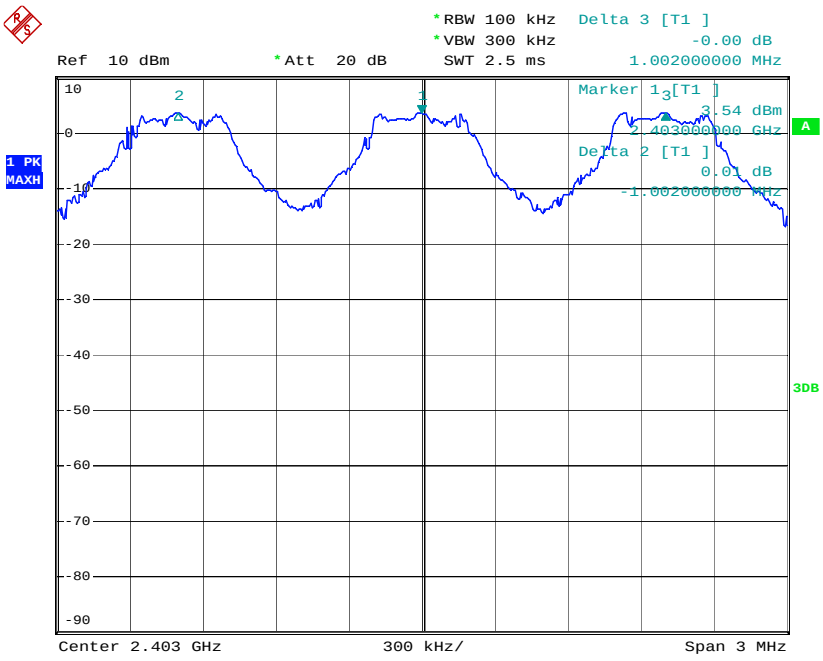
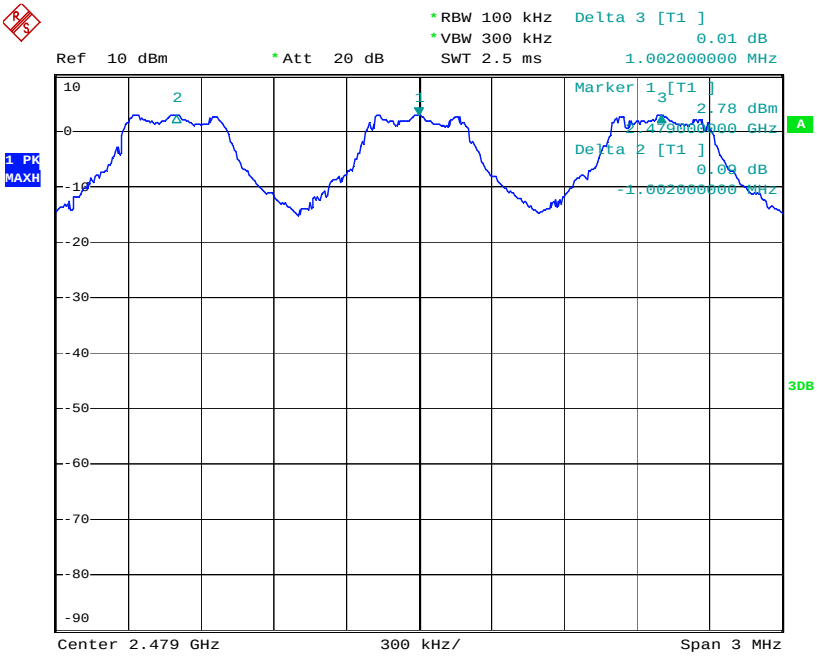
Middle Channel



Date: 26.JAN.2013 09:18:30

High Channel



Date: 26.JAN.2013 09:22:01

5.1.8 Number of hopping frequency

RESULT: **Passed**

Date of testing	:	2013-01-26
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-210 A8.1 (d)
Basic standard	:	ANSI C63.4: 2003
Limits	:	≥ 15 non-overlapping channels
Kind of test site	:	Shield room

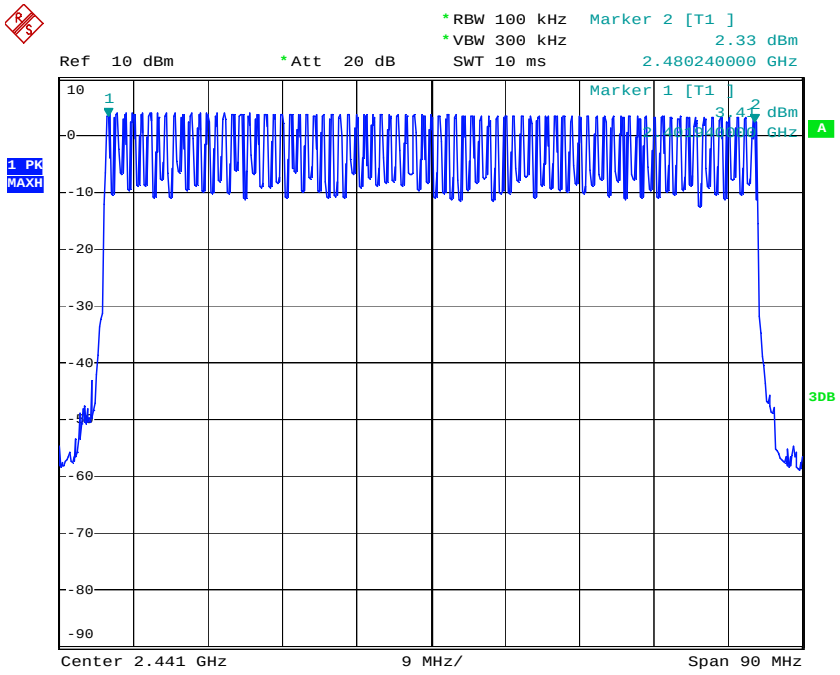
Test setup

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

Table 12: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2400 to 2483.5 MHz	79	≥15	Pass

Test Plot of Number of hopping frequencies



Date: 26.JAN.2013 09:09:46

5.1.9 Time of Occupancy

RESULT: **Passed**

Date of testing	:	2013-01-26
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℃
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	0.55	0.18	0.4	Pass
	DH3	1.82	0.29	0.4	Pass
	DH5	3.09	0.33	0.4	Pass
Mid Channel	DH1	0.55	0.17	0.4	Pass
	DH3	1.84	0.29	0.4	Pass
	DH5	3.12	0.33	0.4	Pass
High Channel	DH1	0.55	0.17	0.4	Pass
	DH3	1.84	0.29	0.4	Pass
	DH5	3.09	0.33	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	0.57	0.18	0.4	Pass
	DH3	1.84	0.29	0.4	Pass
	DH5	3.09	0.33	0.4	Pass
Mid Channel	DH1	0.56	0.18	0.4	Pass
	DH3	1.84	0.29	0.4	Pass
	DH5	3.09	0.33	0.4	Pass
High Channel	DH1	0.57	0.18	0.4	Pass
	DH3	1.84	0.29	0.4	Pass
	DH5	3.09	0.33	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**

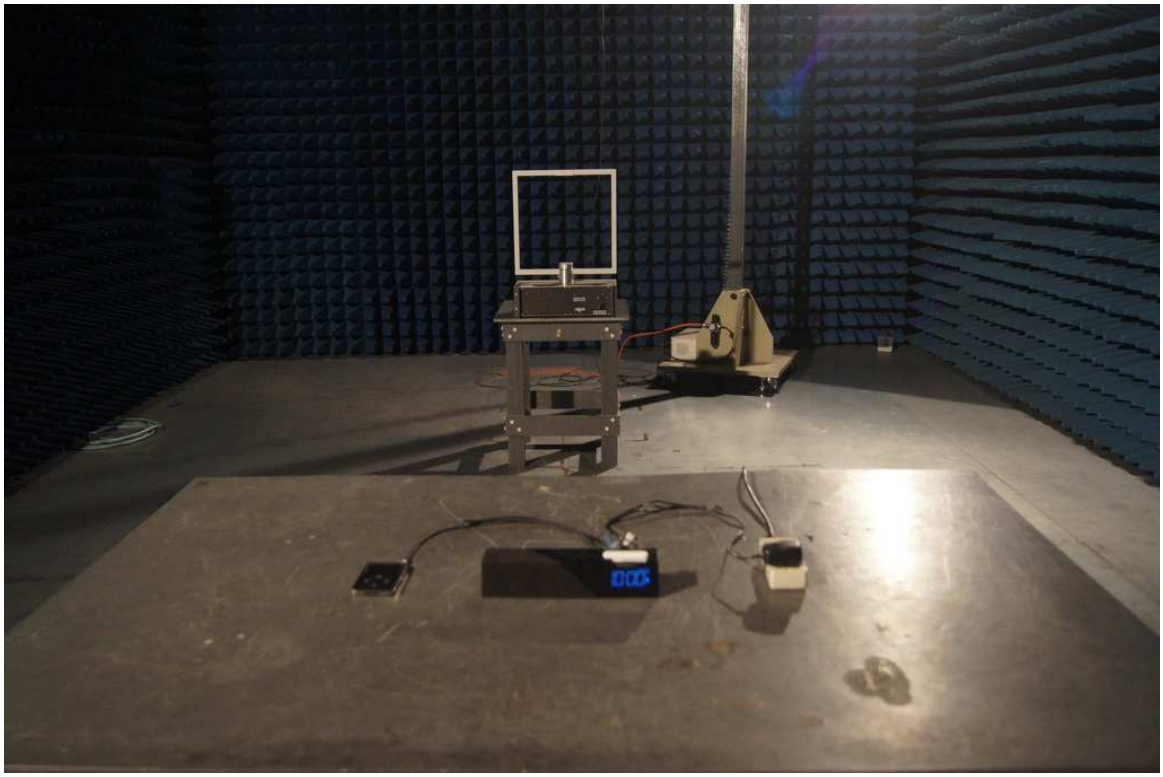
Test standard : RSS-102 Issue 4
FCC KDB Publication 447498

The maximum peak output power of the transmitter is 2.16mW 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.

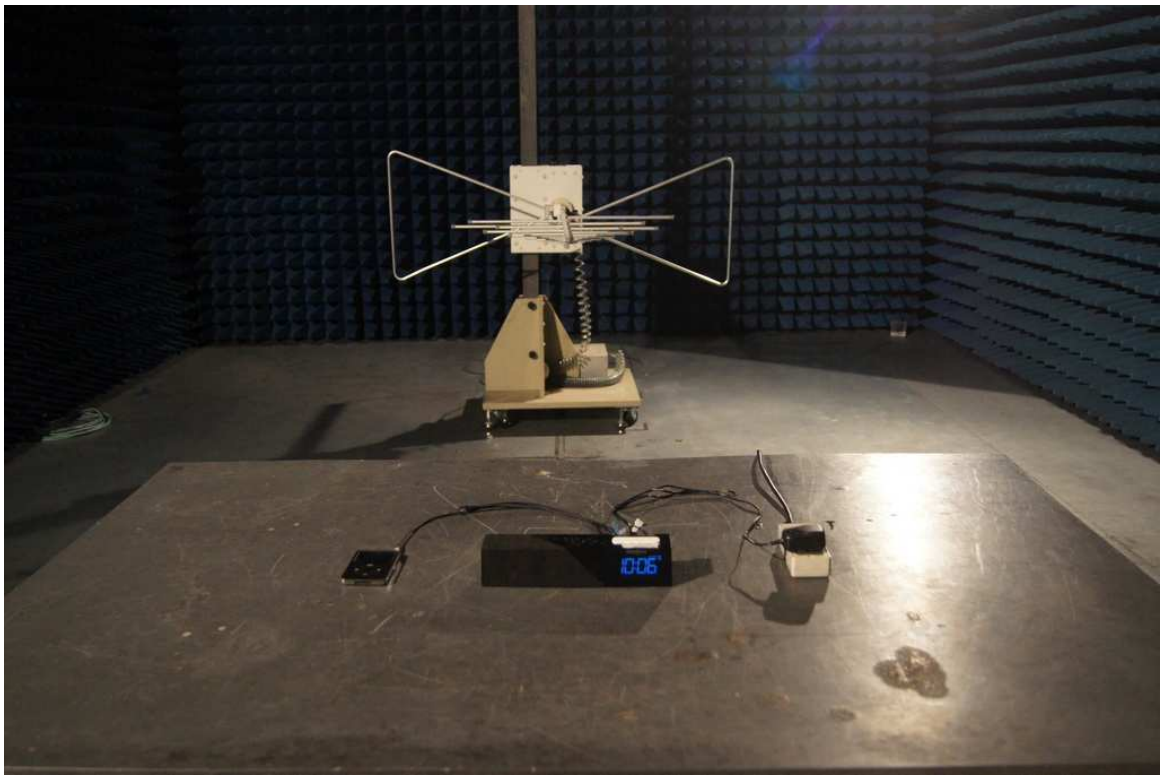
The minimum distance for the EUT is 5mm, since maximum peak output power of the transmitter is 2.16mW <10mW, hence the EUT is exclueded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure.Guidance v05.

7. Photographs of the Test Set-Up

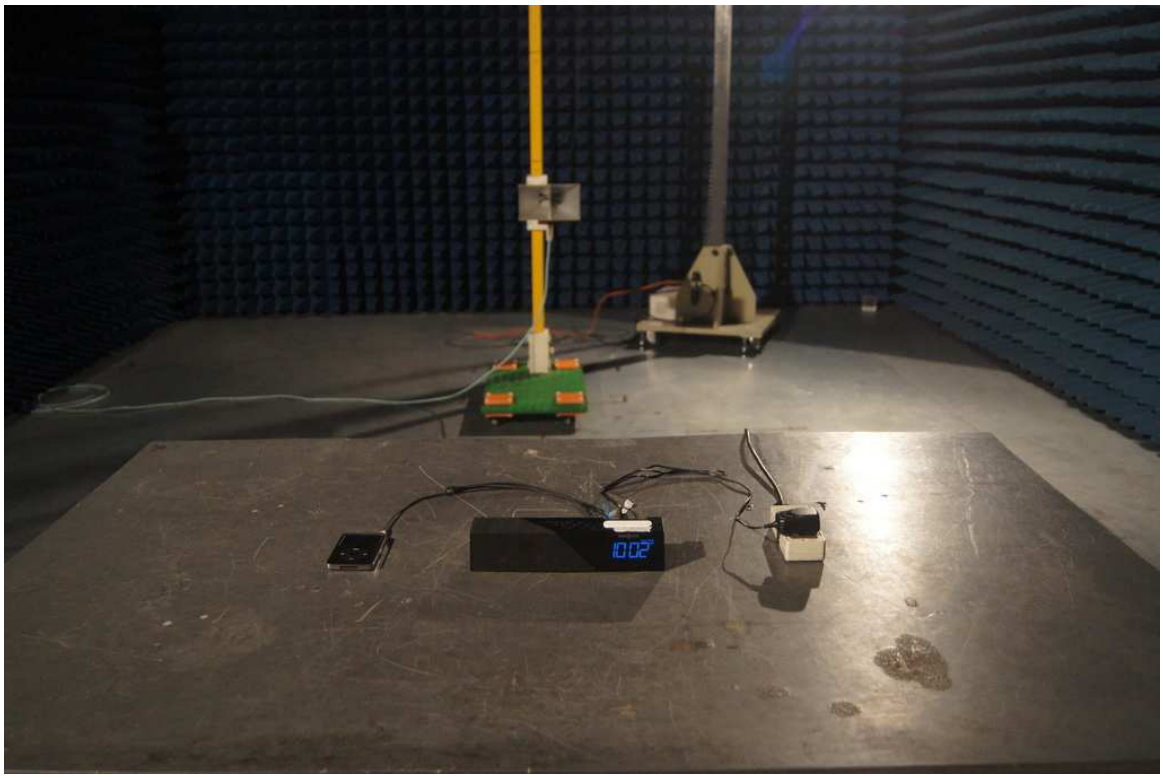
Photograph 1: Set-up for Spurious Emissions (9kHz-30MHz)



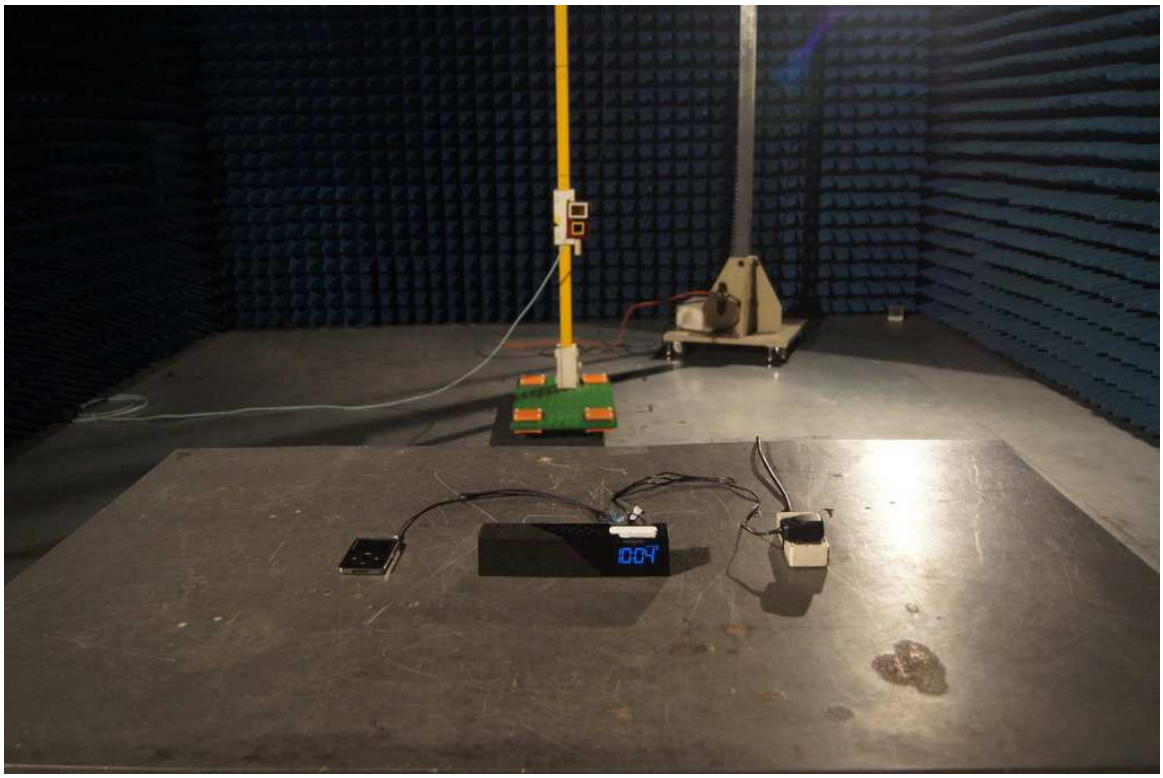
Photograph 2: Set-up for Spurious Emissions (30MHz-1GHz)



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

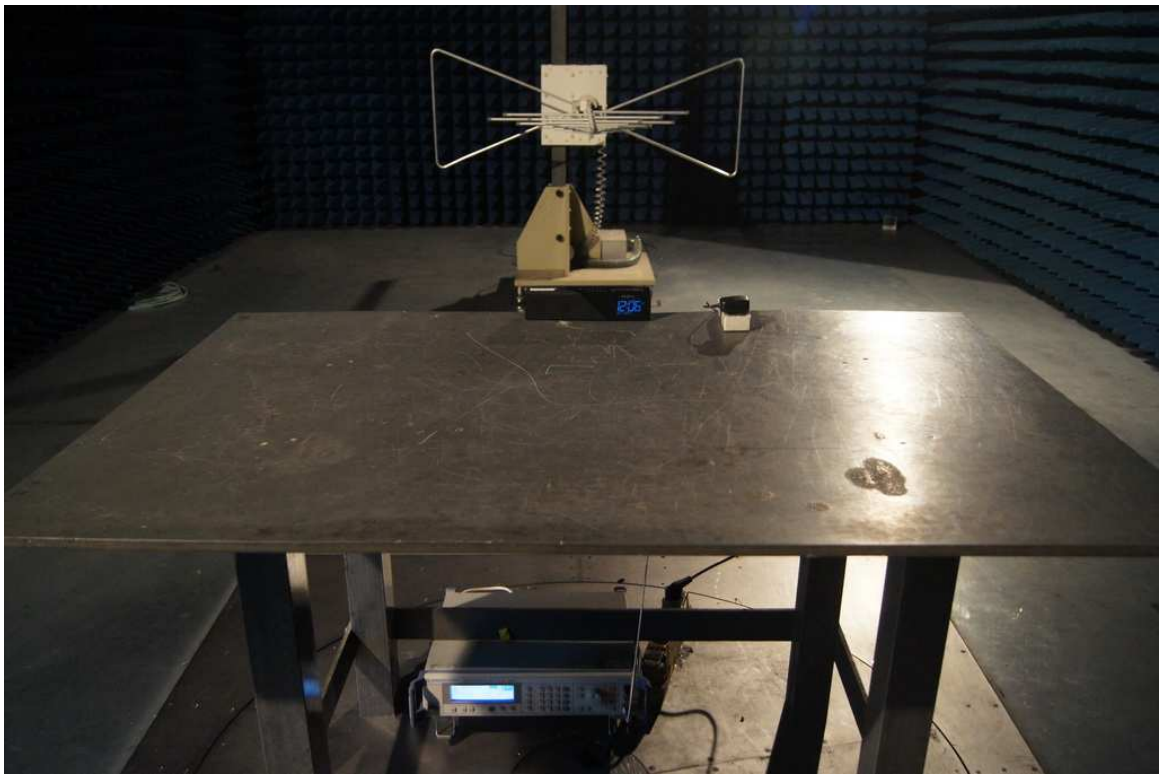


Photograph 4: Set-up for Spurious Emissions (18GHz-26GHz)

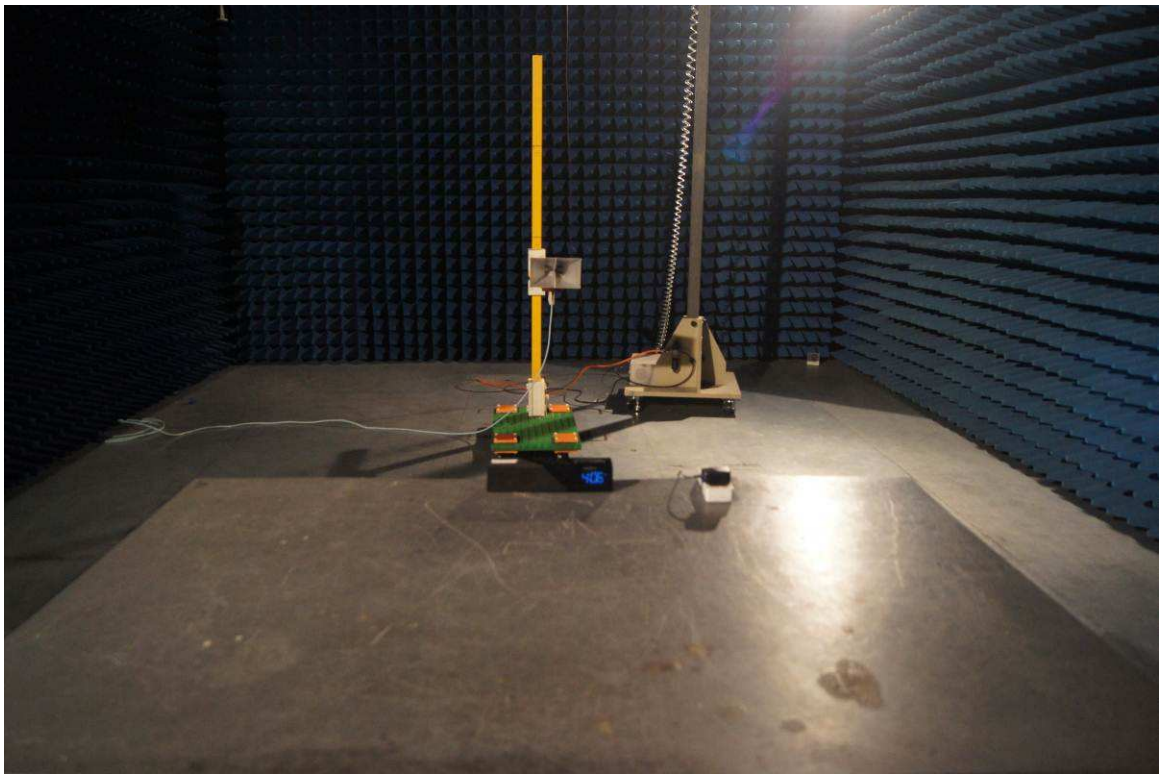


Photograph 5: Set-up for Conducted Emissions

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



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

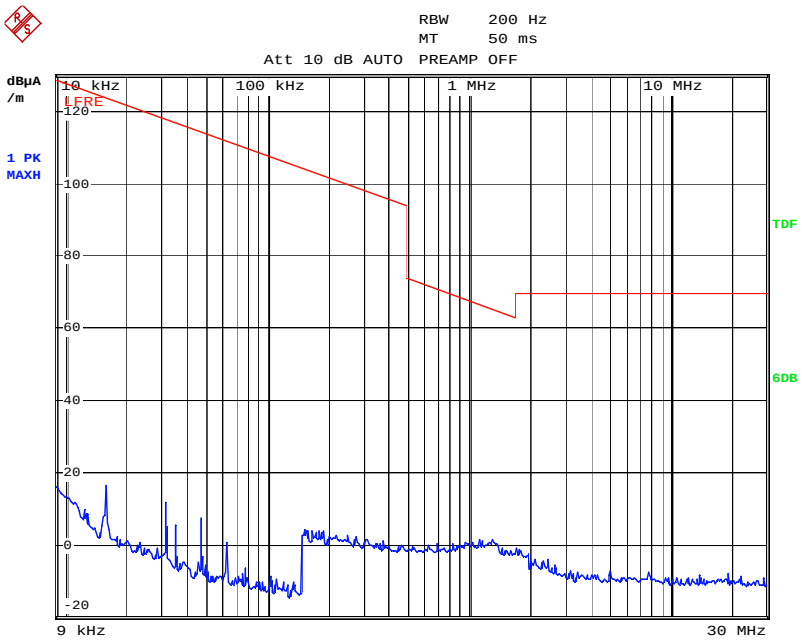


8. List of Tables

9. List of Photographs

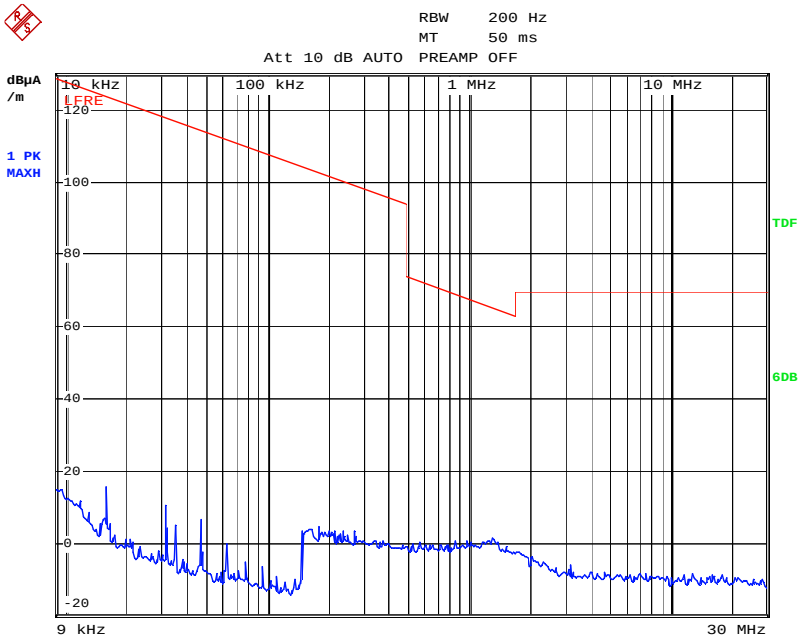
List of Figures

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



Date: 27.JAN.2013 16:22:27

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



Date: 27.JAN.2013 16:24:27

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

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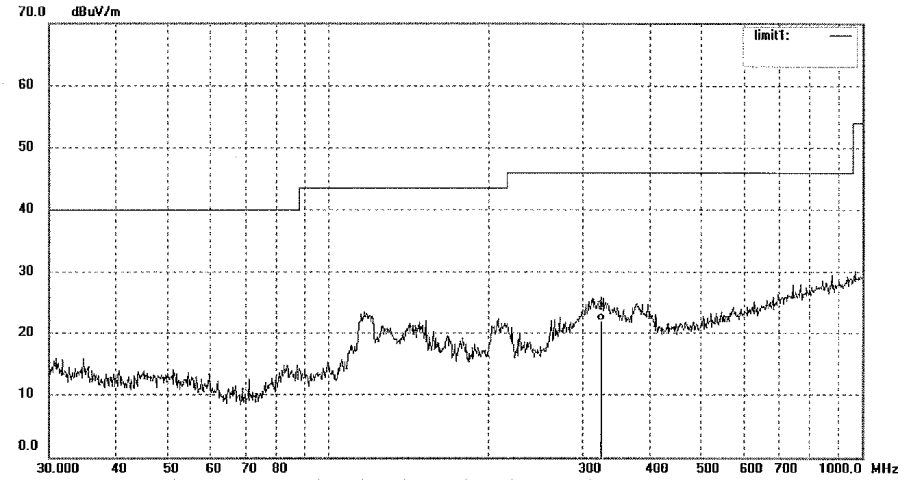
Job No.: PYH #565	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 14/41/28
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	324.8645	4.46	17.54	22.00	46.00	-24.00	QP			

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

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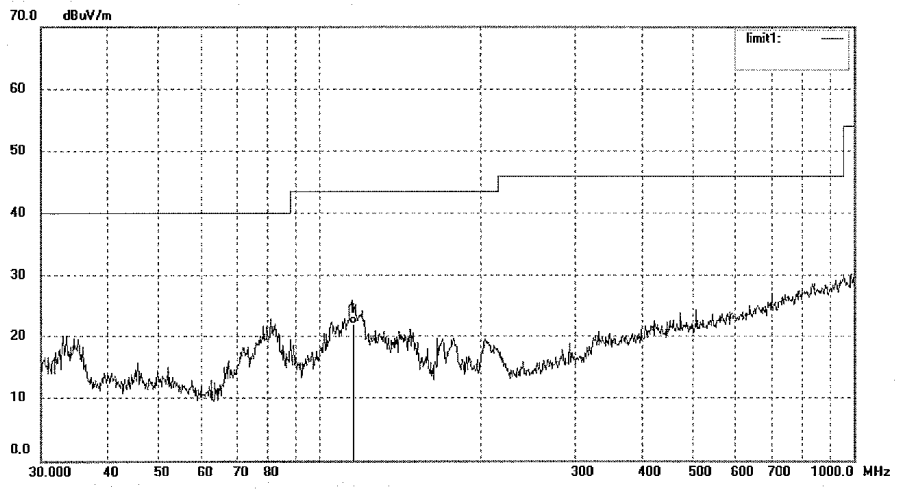
Job No.: PYH #564	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 14/34/50
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	116.3541	8.31	13.67	21.98	43.50	-21.52	QP			

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

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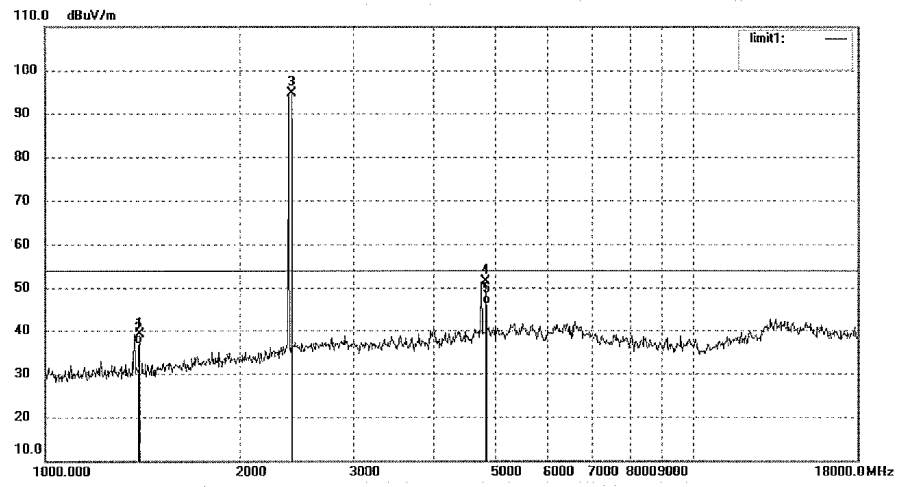
Job No.: PYH #529	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 8/33/21
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	1398.355	50.82	-11.81	39.01	74.00	-34.99	peak			
2	1398.355	48.61	-11.81	36.80	54.00	-17.20	AVG			
3	2402.010	101.97	-7.45	94.52	/	/	peak			
4	4804.015	51.78	-0.30	51.48	74.00	-22.52	peak			
5	4804.015	46.36	-0.30	46.06	54.00	-7.94	AVG			

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

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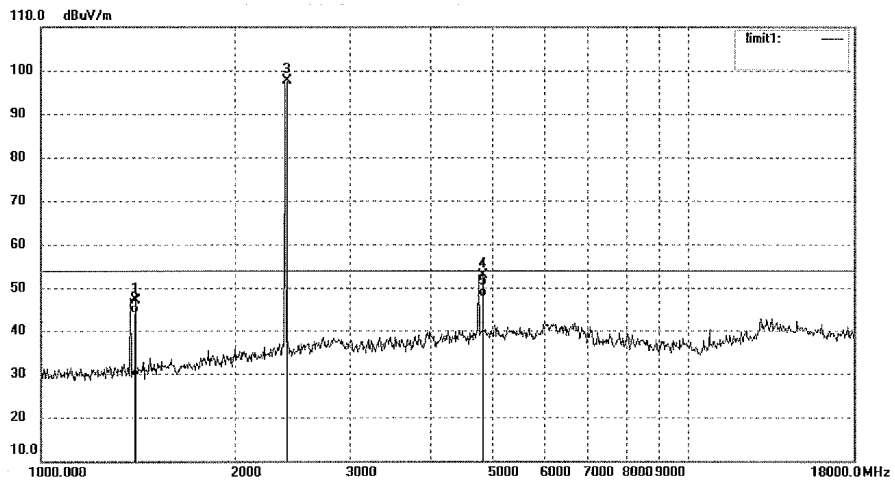
Job No.: PYH #530	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 8/46/20
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	1398.360	58.84	-11.81	47.03	74.00	-26.97	peak			
2	1398.360	55.91	-11.81	44.10	54.00	-9.90	AVG			
3	2402.021	105.06	-7.45	97.61	/	/	peak			
4	4804.035	53.11	-0.30	52.81	74.00	-21.19	peak			
5	4804.035	48.11	-0.30	47.81	54.00	-6.19	AVG			

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

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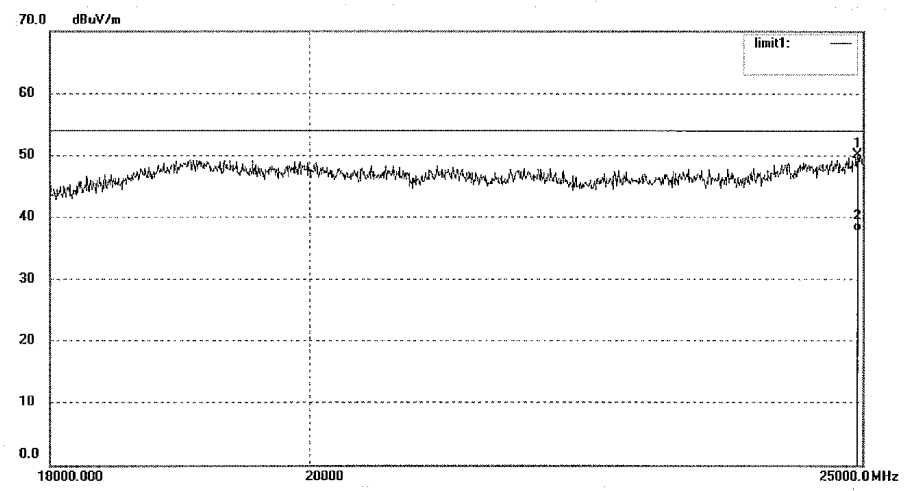
Job No.: PYH #570	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 17/46/09
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	31.26	18.83	50.09	74.00	-23.91	peak			
2	24950.674	18.95	18.83	37.78	54.00	-16.22	AVG			

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

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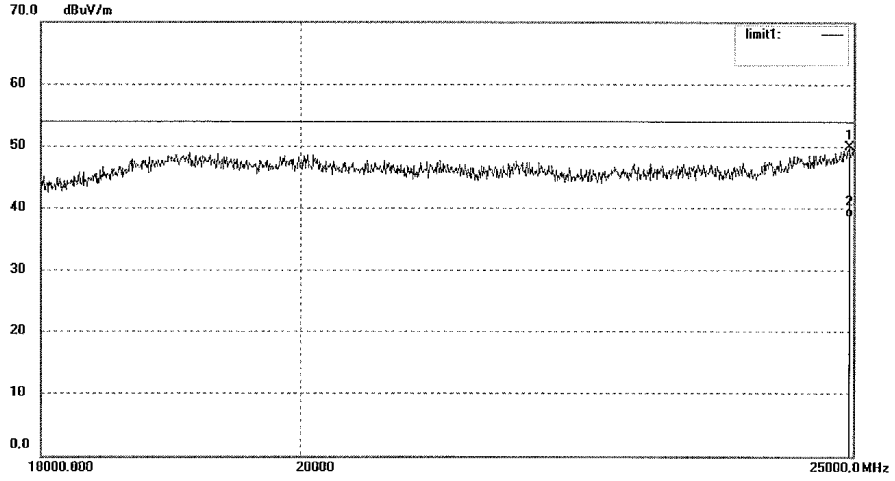
Job No.: PYH #571
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: Clock Radio with Bluetooth
Mode: TX 2402MHz
Model: NS-CLBT01
Manufacturer: Compupal

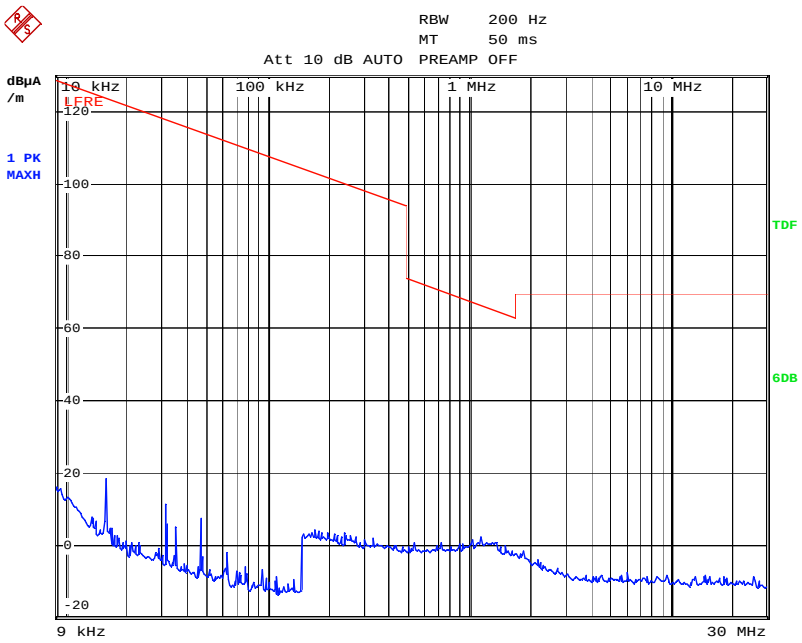
Polarization: Vertical
Power Source: AC 120V/60Hz & DC 3V
Date: 13/01/27/
Time: 17/54/43
Engineer Signature: PEI
Distance: 3m

Note: BDR



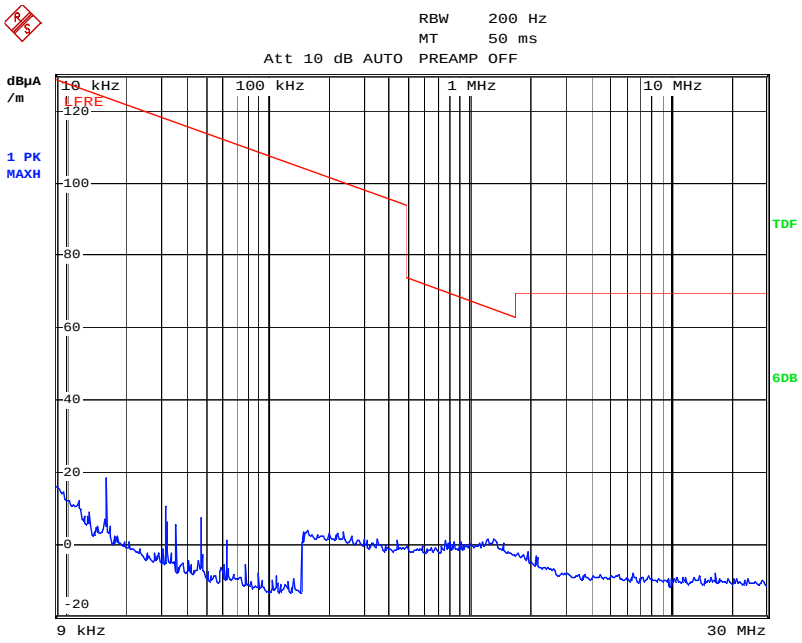
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24958.889	31.08	18.84	49.92	74.00	-24.08	peak			
2	24958.889	19.83	18.84	38.67	54.00	-15.33	AVG			

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



Date: 27.JAN.2013 16:35:43

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



Date: 27.JAN.2013 16:37:37

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

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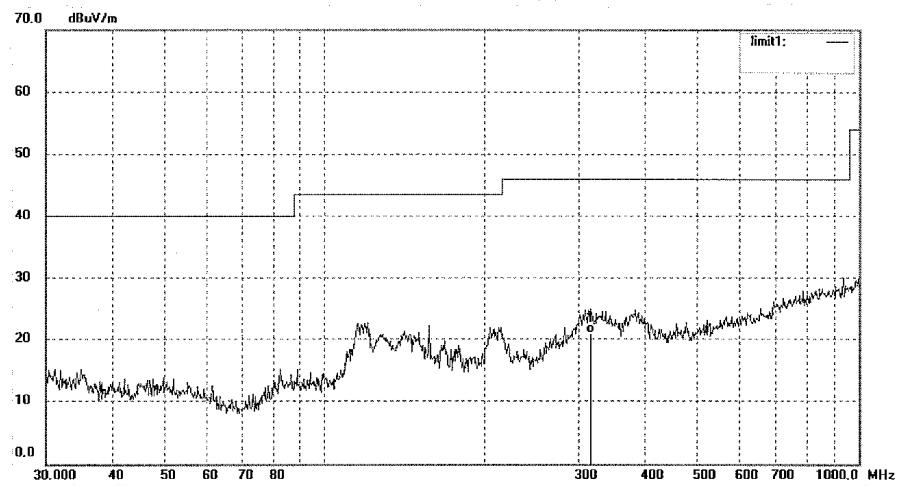
Job No.: PYH #566	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 14/48/28
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
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	315.8599	3.73	17.22	20.95	46.00	-25.05	QP			

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

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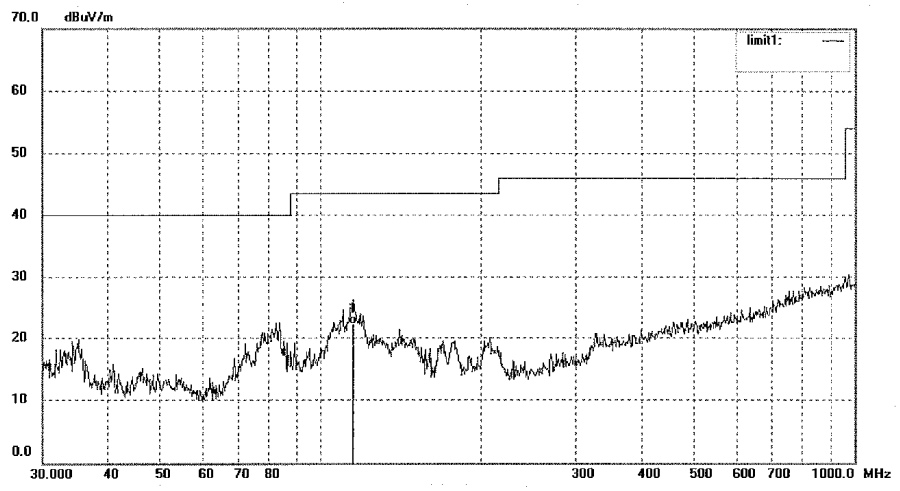
Job No.: PYH #567	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 14/55/26
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	115.9856	8.64	13.68	22.32	43.50	-21.18	QP			

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

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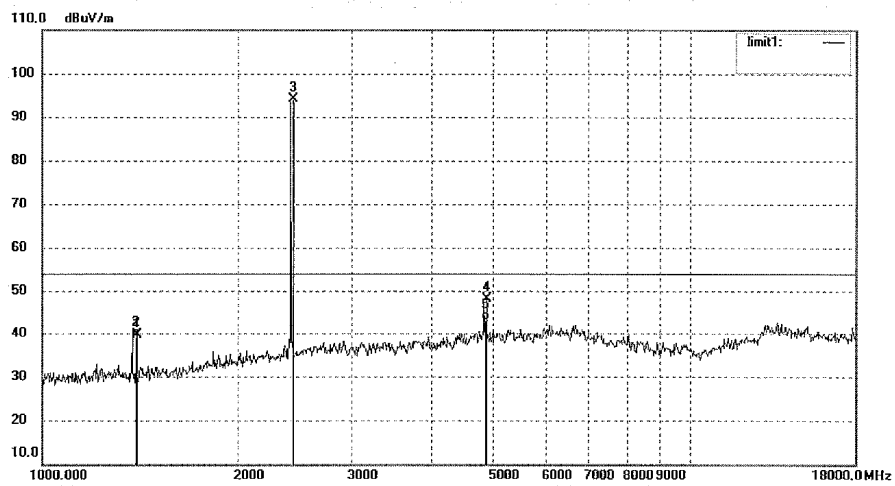
Job No.: PYH #533
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: Clock Radio with Bluetooth
Mode: TX 2441MHz
Model: NS-CLBT01
Manufacturer: Compupal

Polarization: Horizontal
Power Source: AC 120V/60Hz & DC 3V
Date: 13/01/27/
Time: 9/23/52
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	1398.278	51.51	-11.81	39.70	74.00	-34.30	peak			
2	1398.278	51.04	-11.81	39.23	54.00	-14.77	AVG			
3	2441.015	101.36	-7.35	94.01	/	/	peak			
4	4882.033	48.03	0.14	48.17	74.00	-25.83	peak			
5	4882.033	43.06	0.14	43.20	54.00	-10.80	AVG			

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

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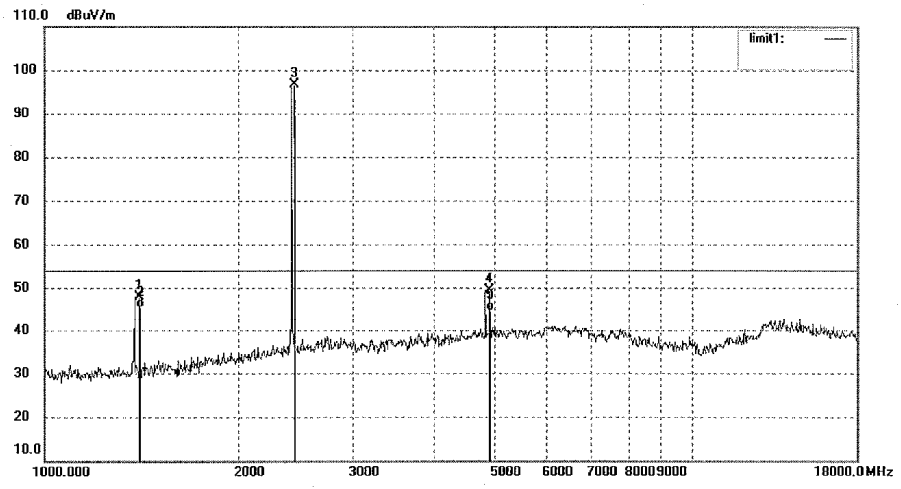
Job No.: PYH #534	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/35/08
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	1398.310	59.73	-11.81	47.92	74.00	-26.08	peak			
2	1398.310	57.21	-11.81	45.40	54.00	-8.60	AVG			
3	2441.004	103.93	-7.35	96.58	/	/	peak			
4	4882.010	49.34	0.14	49.48	74.00	-24.52	peak			
5	4882.010	44.53	0.14	44.67	54.00	-9.33	AVG			

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

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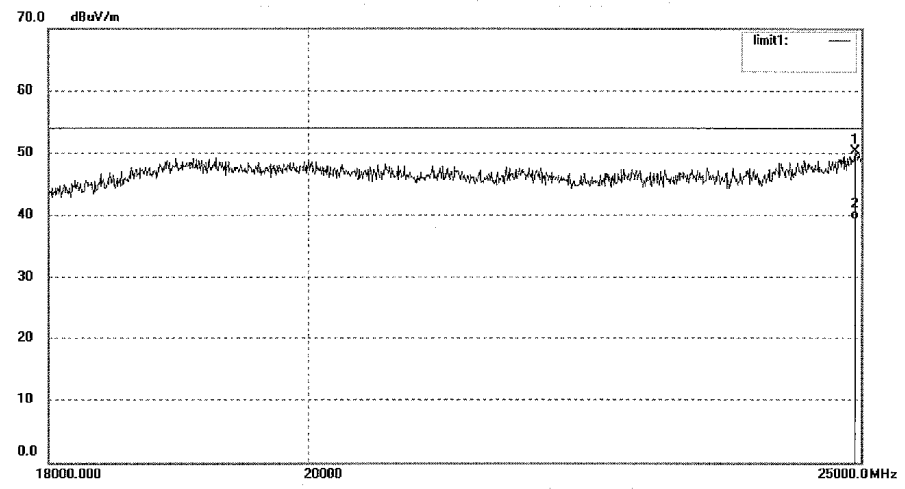
Fax:+86-0755-26503396

Job No.: PYH #573	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 18/12/00
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
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	24942.463	31.49	18.82	50.31	74.00	-23.69	peak			
2	24942.463	20.50	18.82	39.32	54.00	-14.68	AVG			

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

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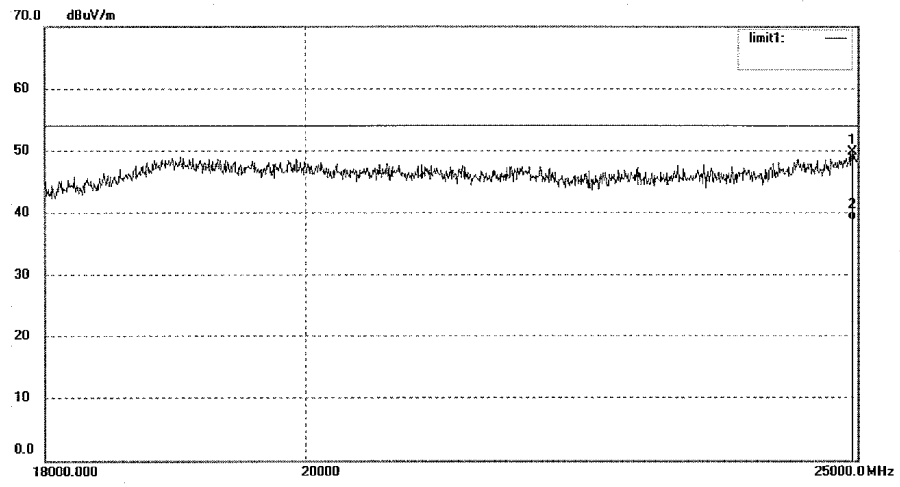
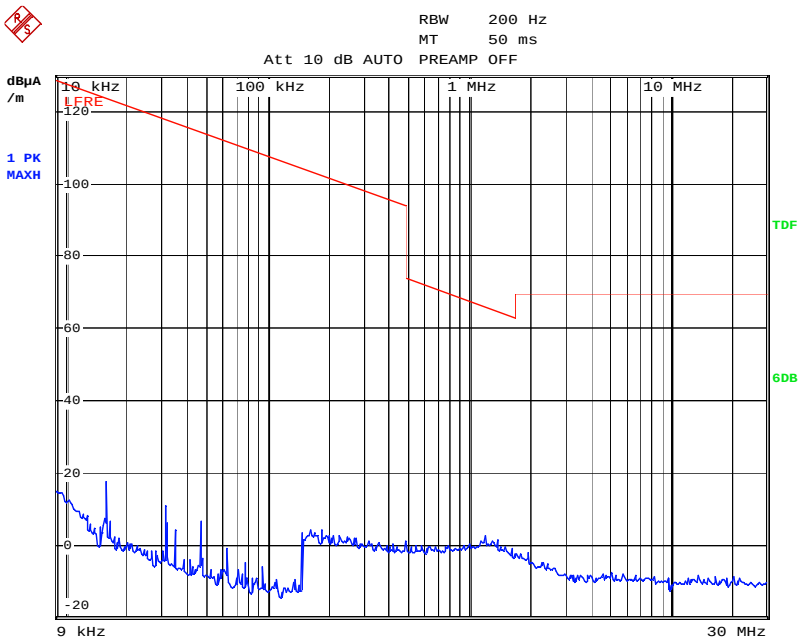
Job No.: PYH #572	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 18/03/19
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: Compupal	

Note: BDR



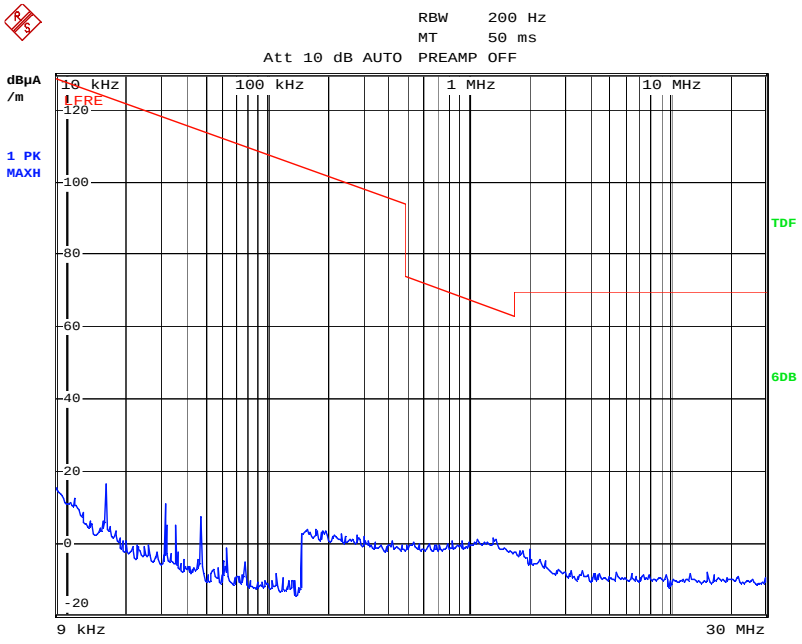
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24950.674	31.04	18.83	49.87	74.00	-24.13	peak			
2	24950.674	19.95	18.83	38.78	54.00	-15.22	AVG			

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



Date: 27.JAN.2013 16:41:30

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



Date: 27.JAN.2013 16:43:20

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

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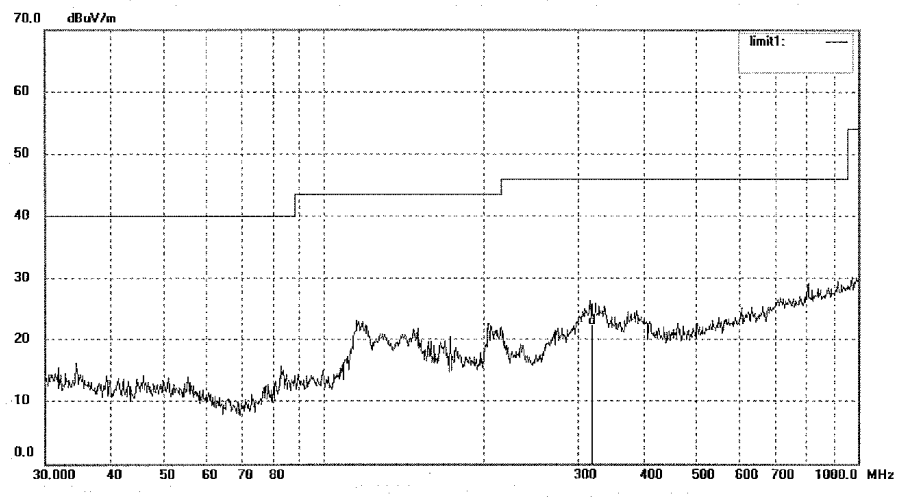
Job No.: PYH #569	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 16/09/50
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
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	319.8599	5.02	17.33	22.35	46.00	-23.65	QP			

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

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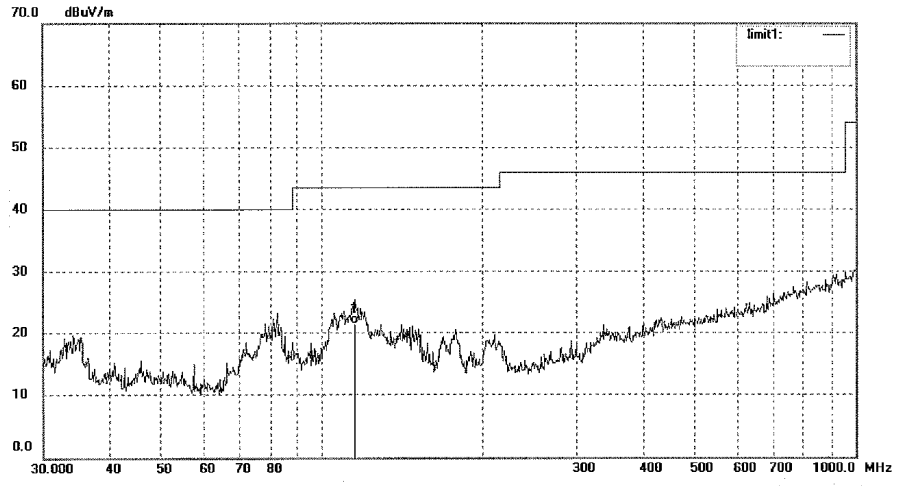
Job No.: PYH #568	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 16/02/16
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	116.0352	7.80	13.68	21.48	43.50	-22.02	QP			

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

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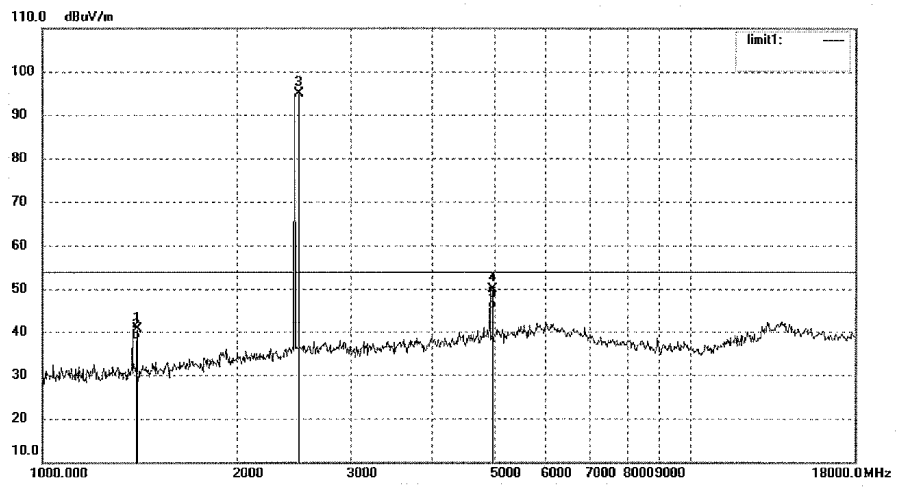
Job No.: PYH #536	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 10/02/59
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
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	1398.442	52.51	-11.81	40.70	74.00	-33.30	peak			
2	1398.442	49.99	-11.81	38.18	54.00	-15.82	AVG			
3	2480.040	102.22	-7.37	94.85	/	/	peak			
4	4960.028	49.31	0.52	49.83	74.00	-24.17	peak			
5	4960.028	44.85	0.52	45.37	54.00	-8.63	AVG			

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

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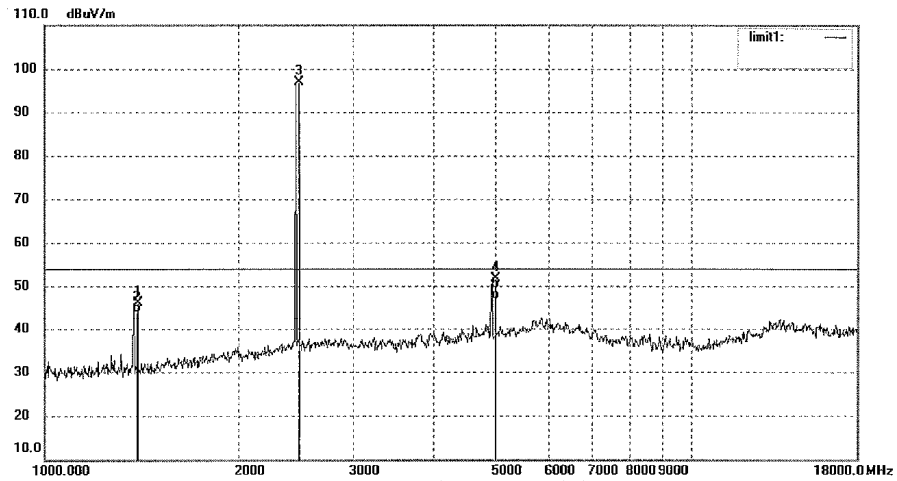
Job No.: PYH #535
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: Clock Radio with Bluetooth
Mode: TX 2480MHz
Model: NS-CLBT01
Manufacturer: Compupal

Polarization: Vertical
Power Source: AC 120V/60Hz & DC 3V
Date: 13/01/27/
Time: 9/48/35
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	1398.341	58.03	-11.81	46.22	74.00	-27.78	peak			
2	1398.341	55.71	-11.81	43.90	54.00	-10.10	AVG			
3	2480.034	104.22	-7.37	96.85	/	/	peak			
4	4960.024	51.03	0.52	51.55	74.00	-22.45	peak			
5	4960.024	46.29	0.52	46.81	54.00	-7.19	AVG			

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

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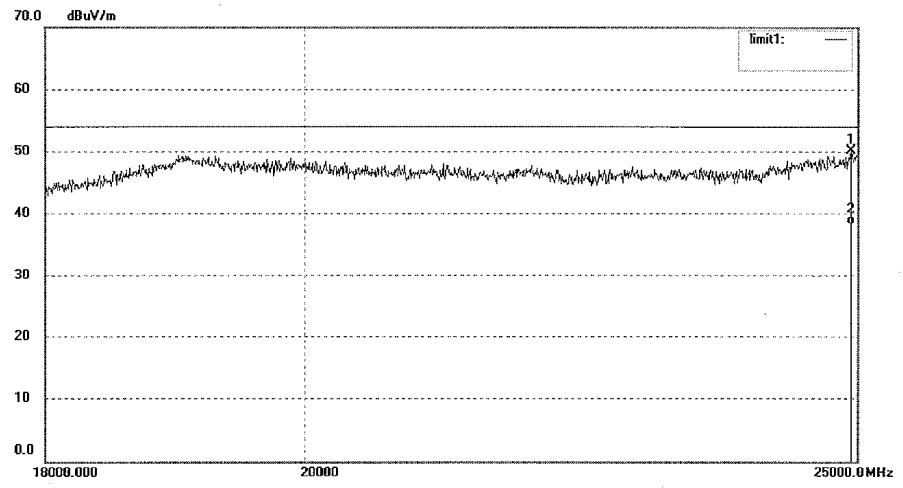
Job No.: PYH #574
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: Clock Radio with Bluetooth
Mode: TX 2480MHz
Model: NS-CLBT01
Manufacturer: Compupal

Polarization: Horizontal
Power Source: AC 120V/60Hz & DC 3V
Date: 13/01/27/
Time: 18/21/21
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	24942.463	31.24	18.82	50.06	74.00	-23.94	peak			
2	24942.463	19.38	18.82	38.20	54.00	-15.80	AVG			

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

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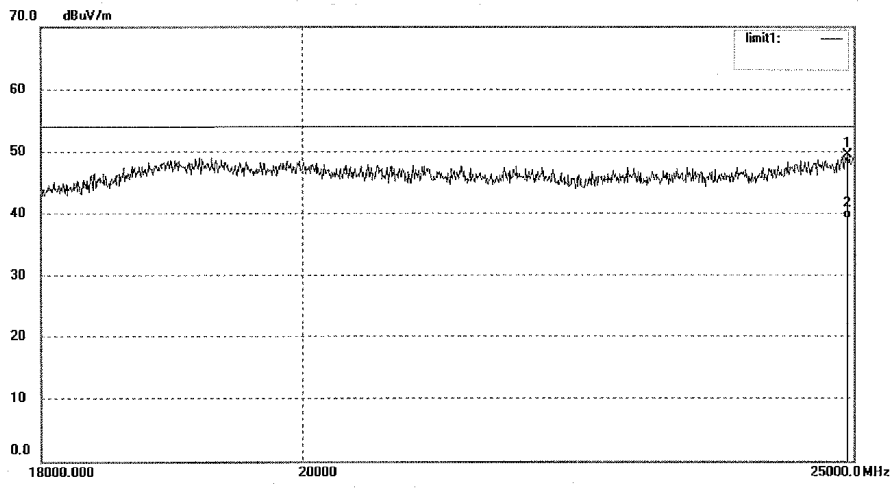
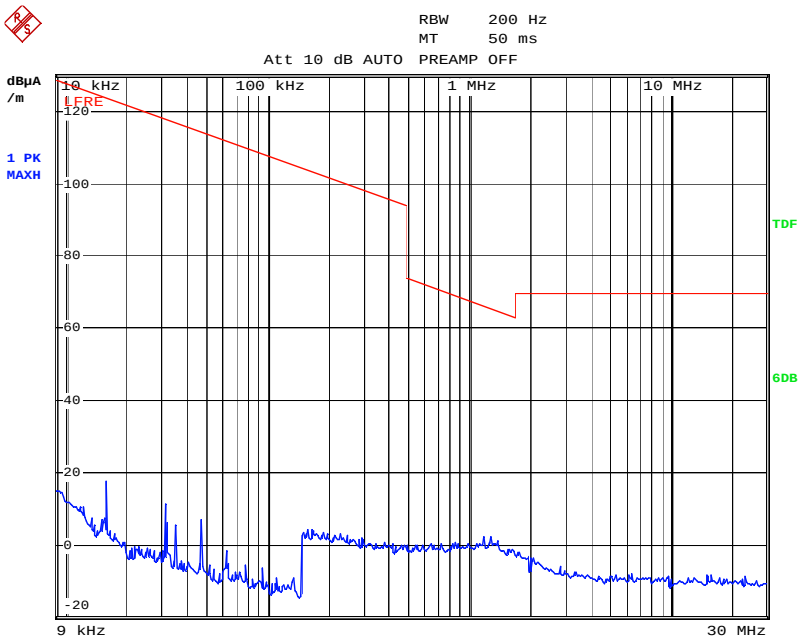
Job No.: PYH #575	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 18/30/08
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: Compupal	
Note: BDR	



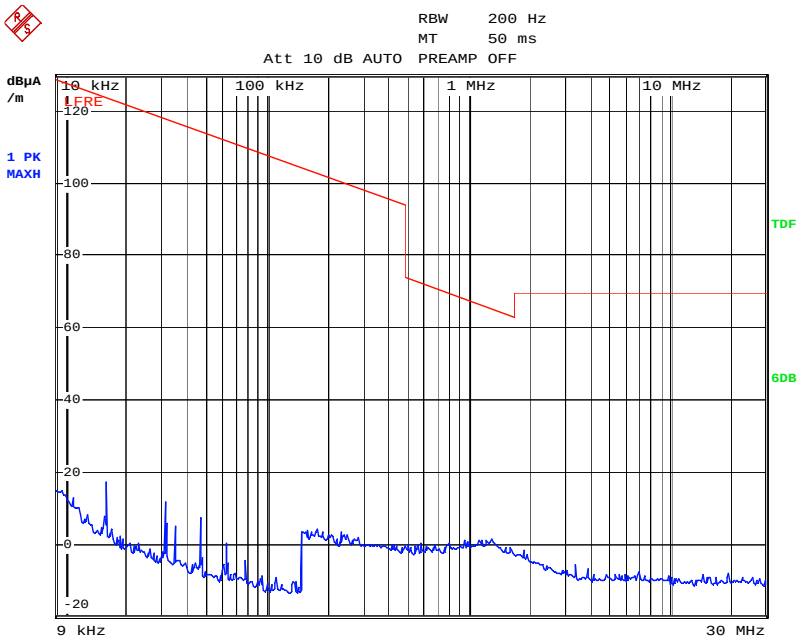
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24942.463	30.64	18.82	49.46	74.00	-24.54	peak			
2	24942.463	20.27	18.82	39.09	54.00	-14.91	AVG			

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



Date: 27.JAN.2013 16:48:02

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



Date: 27.JAN.2013 16:50:21

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

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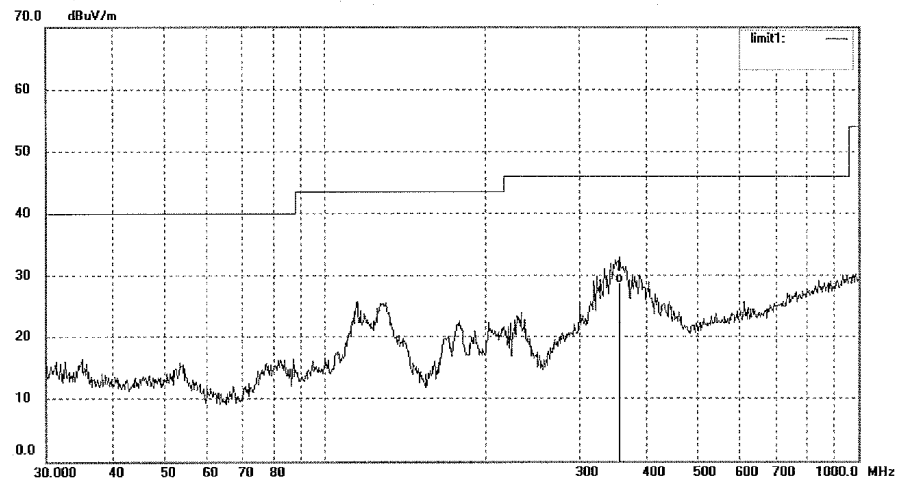
Job No.: PYH #553	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13/14/09
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	357.1923	10.25	18.49	28.74	46.00	-17.26	QP			

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

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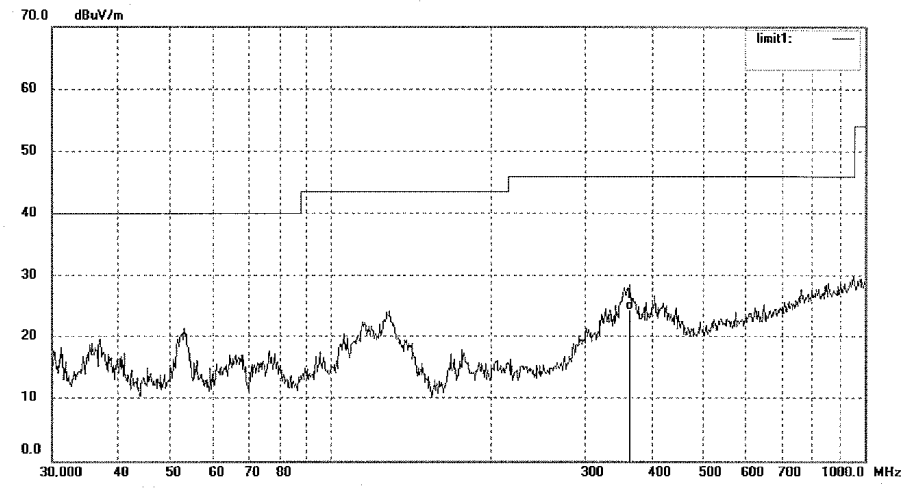
Job No.: PYH #554	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13/22/52
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	363.5230	5.88	18.58	24.46	46.00	-21.54	QP			

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

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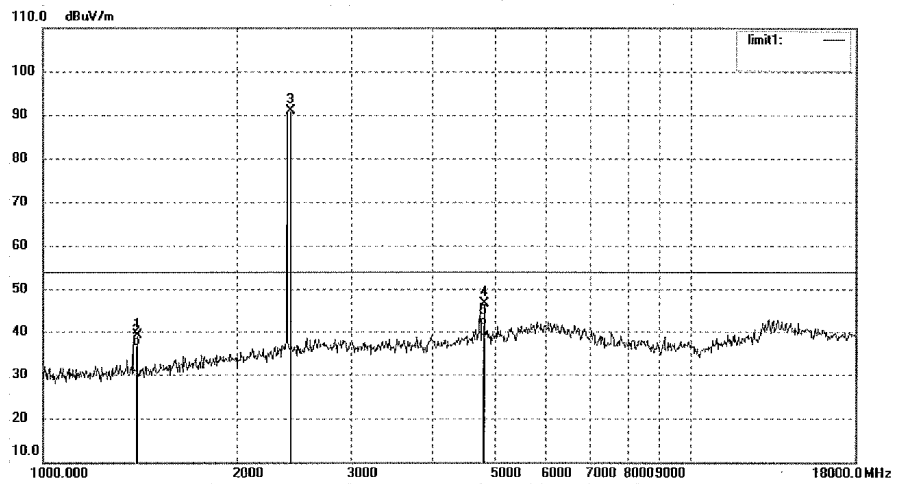
Fax:+86-0755-26503396

Job No.: PYH #540	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 10/54/38
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	1398.347	50.89	-11.81	39.08	74.00	-34.92	peak			
2	1398.347	48.41	-11.81	36.60	54.00	-17.40	AVG			
3	2402.009	98.31	-7.45	90.86	/	/	peak			
4	4804.015	46.98	-0.30	46.68	74.00	-27.32	peak			
5	4804.015	41.63	-0.30	41.33	54.00	-12.67	AVG			

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

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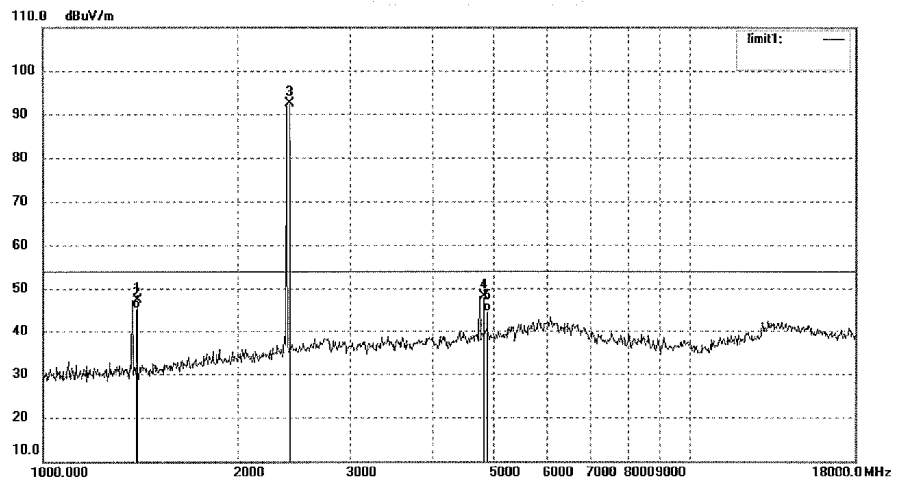
Job No.: PYH #539	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 10/41/40
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	1398.403	59.08	-11.81	47.27	74.00	-26.73	peak			
2	1398.403	57.31	-11.81	45.50	54.00	-8.50	AVG			
3	2402.005	99.73	-7.45	92.28	/	/	peak			
4	4803.997	48.41	-0.30	48.11	74.00	-25.89	peak			
5	4803.997	44.90	-0.30	44.60	54.00	-9.40	AVG			

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

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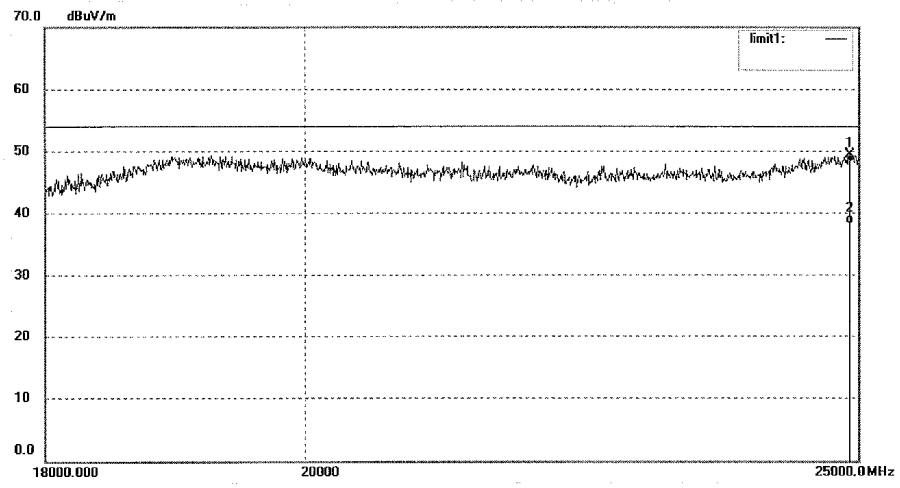
Job No.: PYH #576
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: Clock Radio with Bluetooth
Mode: TX 2402MHz
Model: NS-CLBT01
Manufacturer: Compupal

Polarization: Horizontal
Power Source: AC 120V/60Hz & DC 3V
Date: 13/01/27/
Time: 18/38/33
Engineer Signature: PEI
Distance: 3m

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	24917.845	30.65	18.78	49.43	74.00	-24.57	peak			
2	24917.845	19.40	18.78	38.18	54.00	-15.82	AVG			

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

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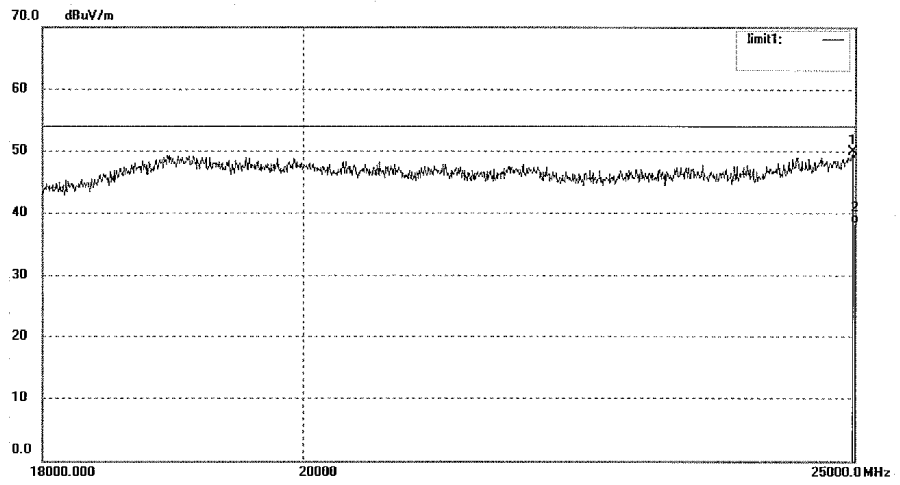
Fax:+86-0755-26503396

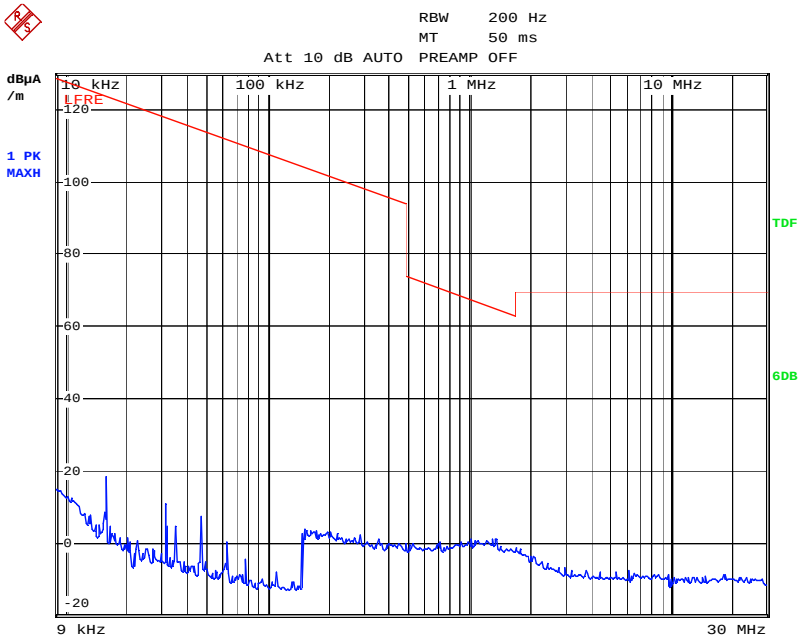
Job No.: PYH #577	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 18/46/24
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: Compupal	

Note: EDR



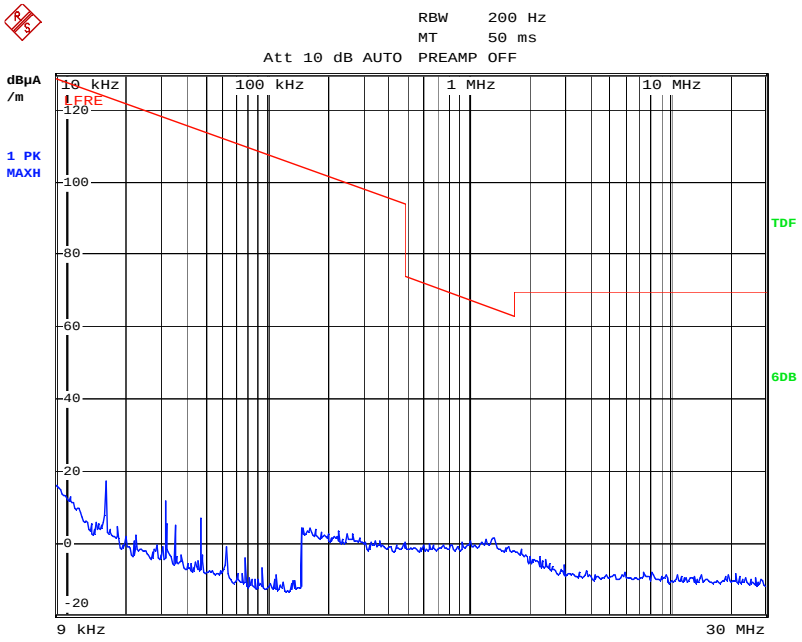
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24983.547	31.02	18.88	49.90	74.00	-24.10	peak			
2	24983.547	19.51	18.88	38.39	54.00	-15.61	AVG			

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



Date: 27.JAN.2013 16:54:27

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



Date: 27.JAN.2013 16:56:34

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

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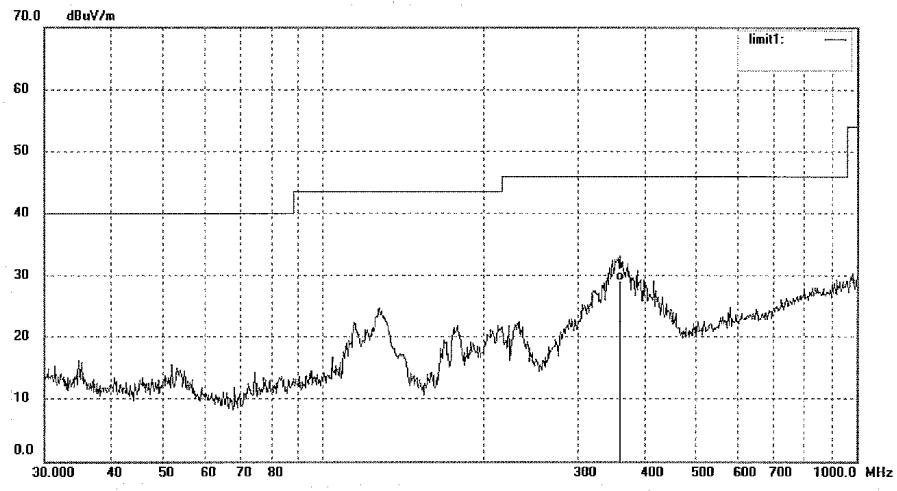
Fax:+86-0755-26503396

Job No.: PYH #556	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13/37/16
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
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	357.2074	10.73	18.49	29.22	46.00	-16.78	QP			

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

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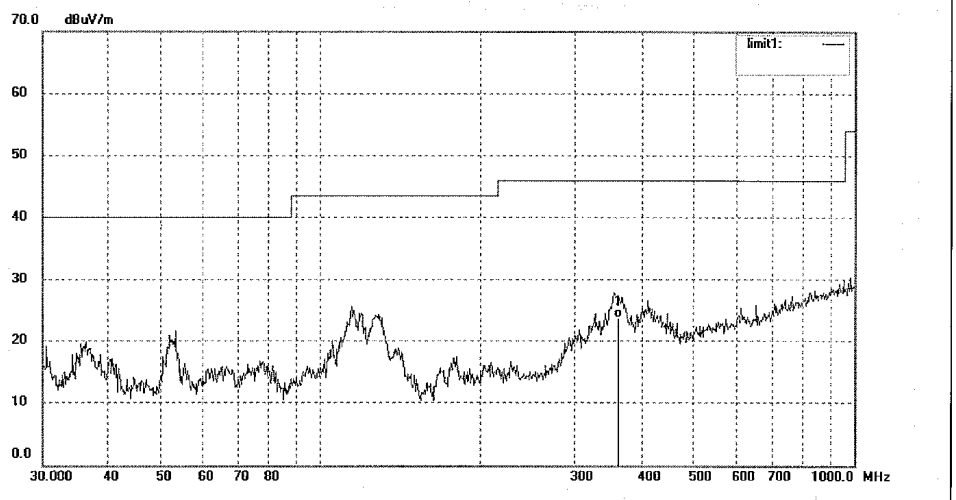
Fax:+86-0755-26503396

Job No.: PYH #555	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13/29/14
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
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	363.6911	5.38	18.58	23.96	46.00	-22.04	QP			

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

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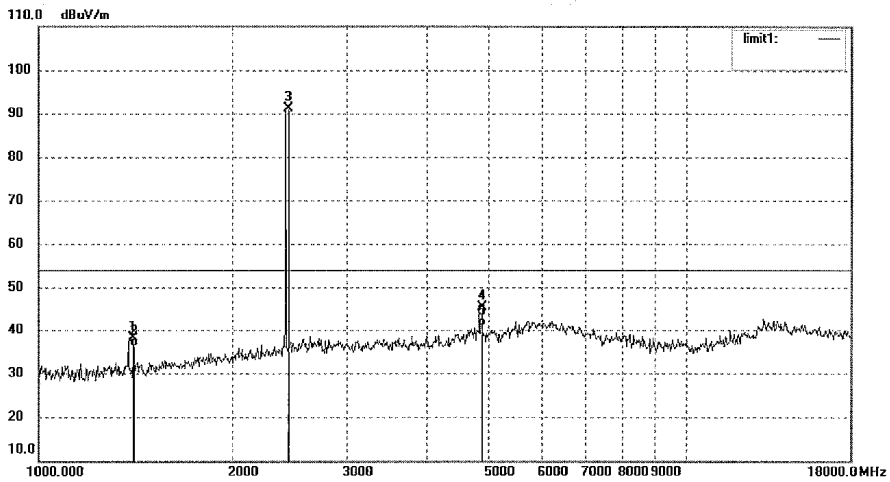
Fax:+86-0755-26503396

Job No.: PYH #544	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 11/47/25
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
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	1398.379	49.85	-11.81	38.04	74.00	-35.96	peak			
2	1398.379	47.96	-11.81	36.15	54.00	-17.85	AVG			
3	2441.006	98.51	-7.35	91.16	/	/	peak			
4	4882.012	45.27	0.14	45.41	74.00	-28.59	peak			
5	4882.012	40.66	0.14	40.80	54.00	-13.20	AVG			

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

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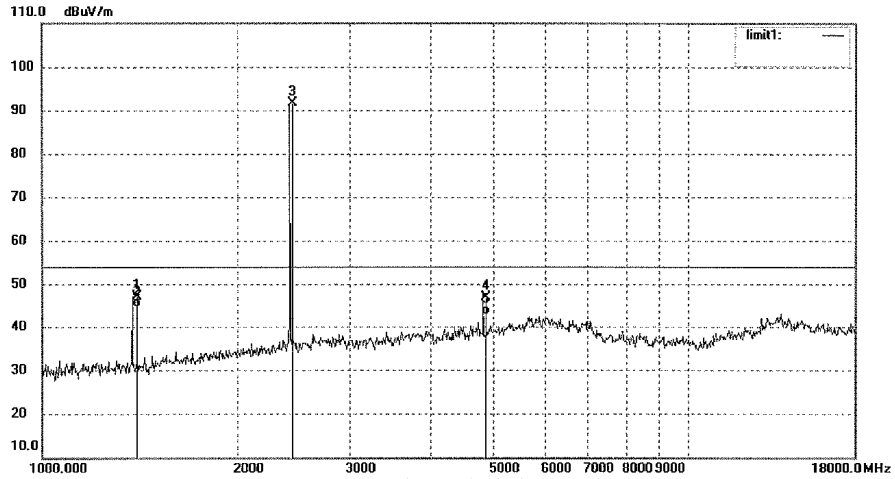
Job No.: PYH #543	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 11/36/02
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	1398.435	58.90	-11.81	47.09	74.00	-26.91	peak			
2	1398.435	56.41	-11.81	44.60	54.00	-9.40	AVG			
3	2441.021	98.92	-7.35	91.57	/	/	peak			
4	4882.040	46.84	0.14	46.98	74.00	-27.02	peak			
5	4882.040	42.75	0.14	42.89	54.00	-11.11	AVG			

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

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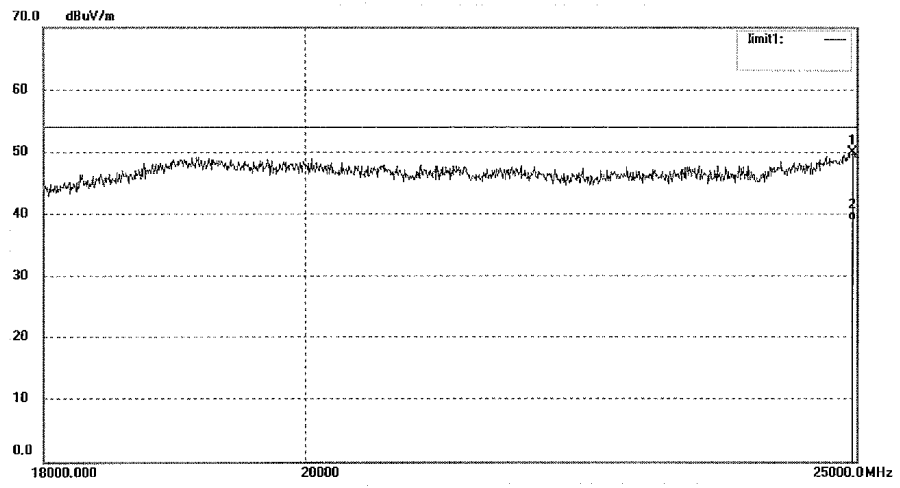
Job No.: PYH #579	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 19/04/11
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
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	24967.105	31.15	18.85	50.00	74.00	-24.00	peak			
2	24967.105	20.01	18.85	38.86	54.00	-15.14	AVG			

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

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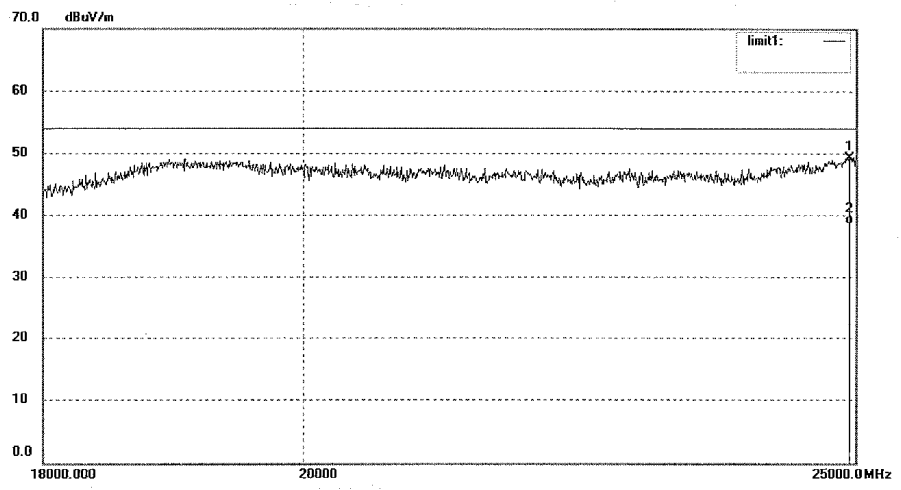
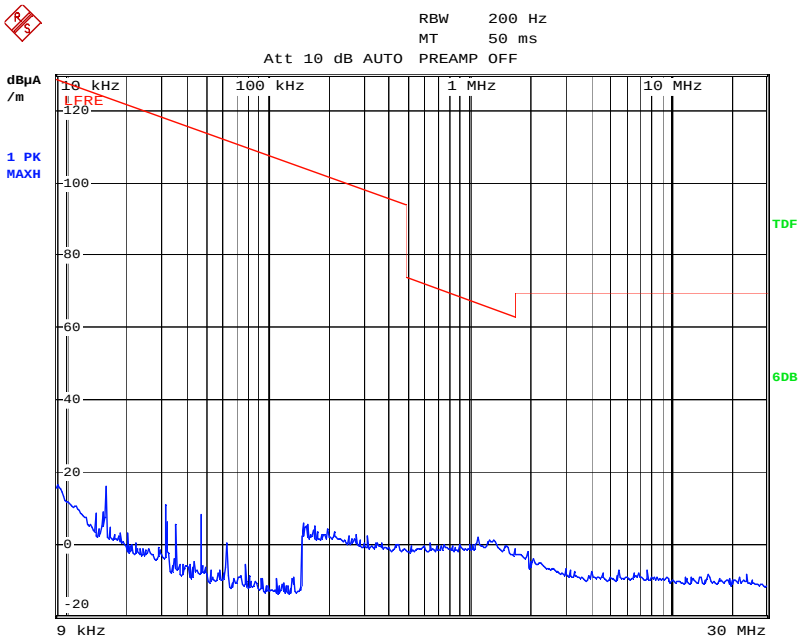
Job No.: PYH #578	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 18/55/13
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2441MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: Compupal	

Note: EDR



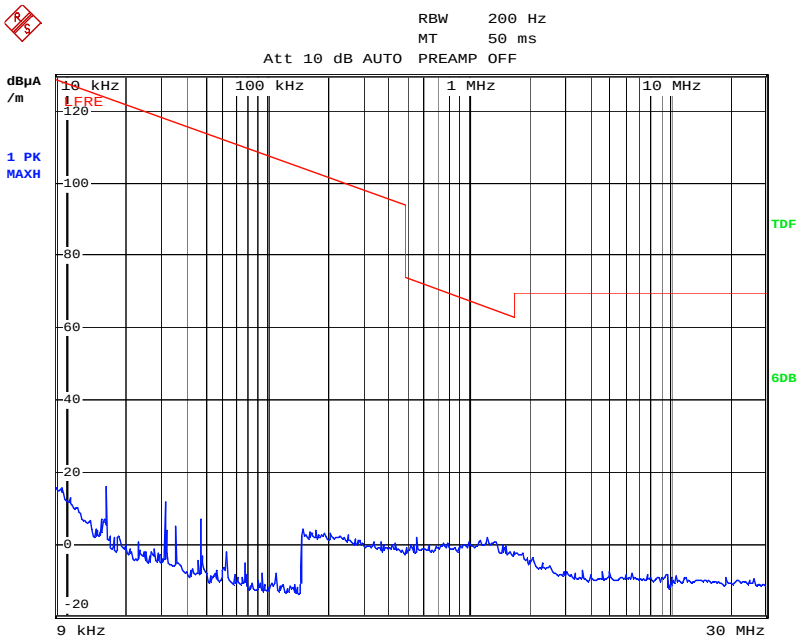
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24942.463	30.48	18.82	49.30	74.00	-24.70	peak			
2	24942.463	19.73	18.82	38.55	54.00	-15.45	AVG			

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



Date: 27.JAN.2013 17:03:15

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



Date: 27.JAN.2013 17:05:04

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

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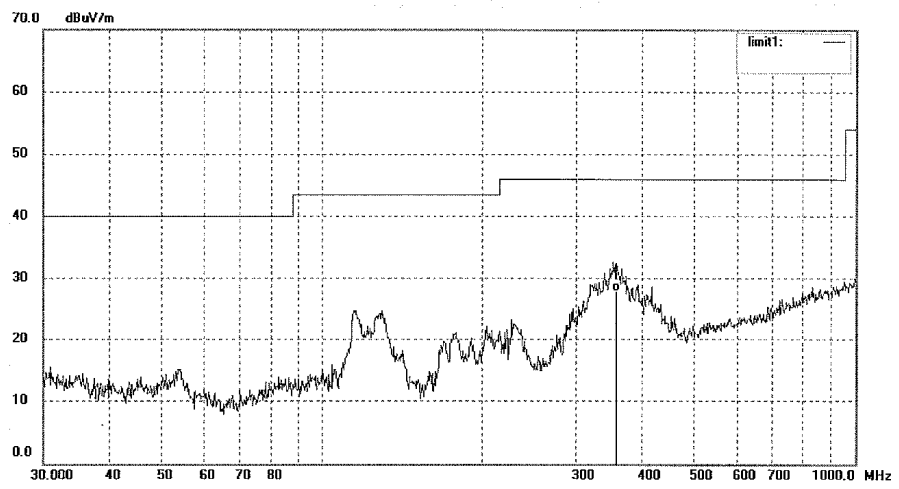
Job No.: PYH #557	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13/45/50
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
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	357.1936	9.46	18.49	27.95	46.00	-18.05	QP			

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

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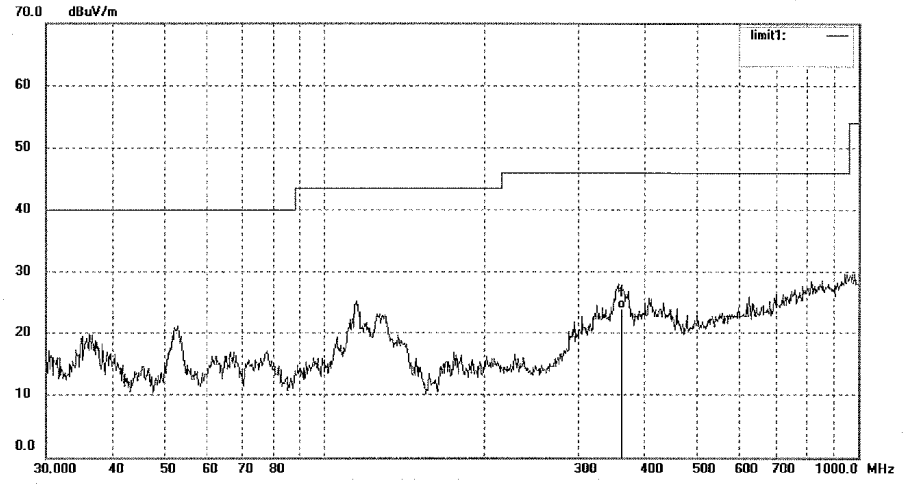
Job No.: PYH #558	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13/54/50
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	362.6397	5.58	18.57	24.15	46.00	-21.85	QP			

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

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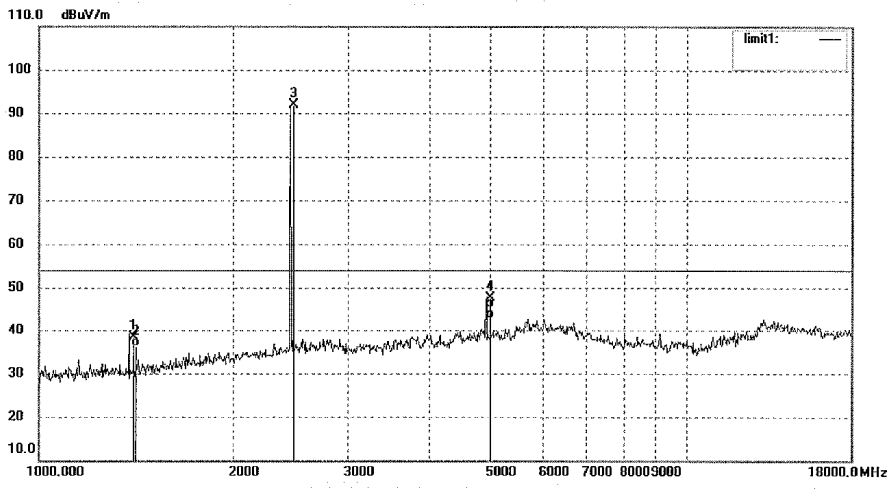
Job No.: PYH #545	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 11/58/30
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
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	1398.375	50.19	-11.81	38.38	74.00	-35.62	peak			
2	1398.375	48.03	-11.81	36.22	54.00	-17.78	AVG			
3	2480.020	99.15	-7.37	91.78	/	/	peak			
4	4960.044	47.01	0.52	47.53	74.00	-26.47	peak			
5	4960.044	42.38	0.52	42.90	54.00	-11.10	AVG			

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

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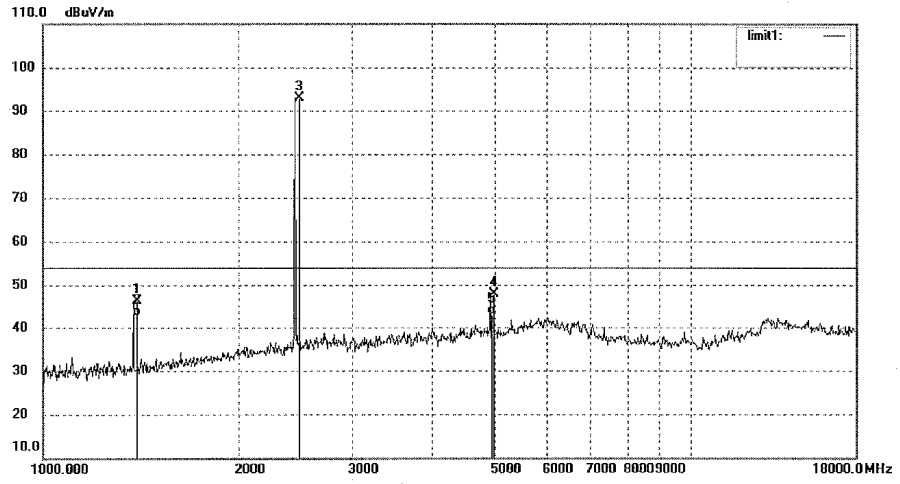
Job No.: PYH #546	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 12/09/16
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	1398.547	58.14	-11.81	46.33	74.00	-27.67	peak			
2	1398.547	54.61	-11.81	42.80	54.00	-11.20	AVG			
3	2480.024	100.23	-7.37	92.86	/	/	peak			
4	4960.045	47.28	0.52	47.80	74.00	-26.20	peak			
5	4960.045	42.68	0.52	43.20	54.00	-10.80	AVG			

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

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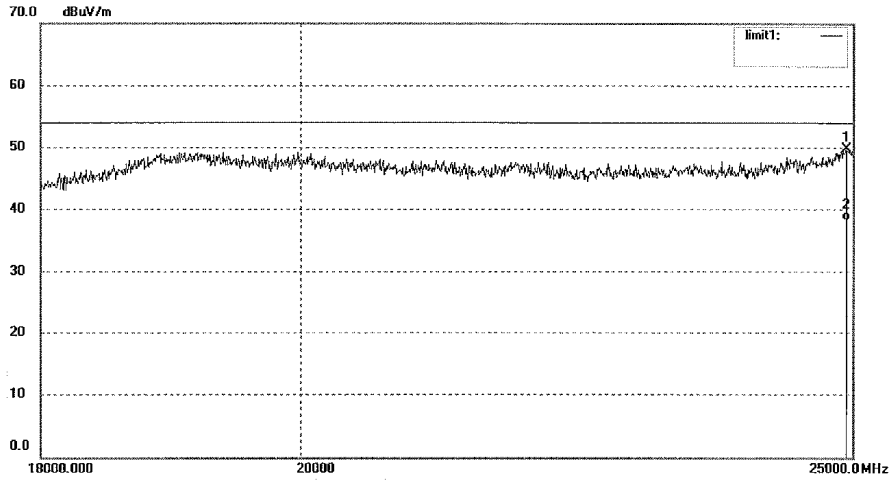
Fax:+86-0755-26503396

Job No.: PYH #580
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: Clock Radio with Bluetooth
Mode: TX 2480MHz
Model: NS-CLBT01
Manufacturer: Compupal

Polarization: Horizontal
Power Source: AC 120V/60Hz & DC 3V
Date: 13/01/27/
Time: 19/15/02
Engineer Signature: PEI
Distance: 3m

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	30.97	18.82	49.79	74.00	-24.21	peak			
2	24942.463	19.48	18.82	38.30	54.00	-15.70	AVG			

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

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Tel:+86-0755-26503290
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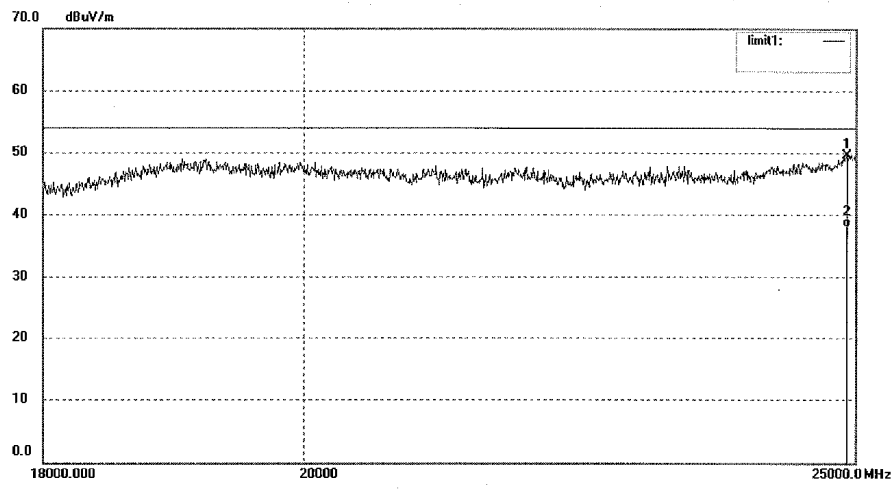
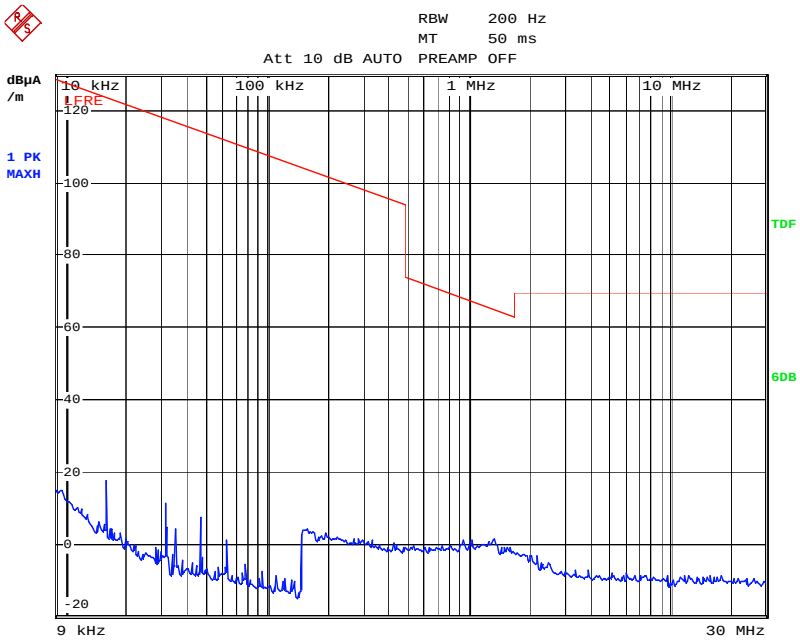
Job No.: PYH #581	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 19/24/53
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: Compupal	

Note: EDR



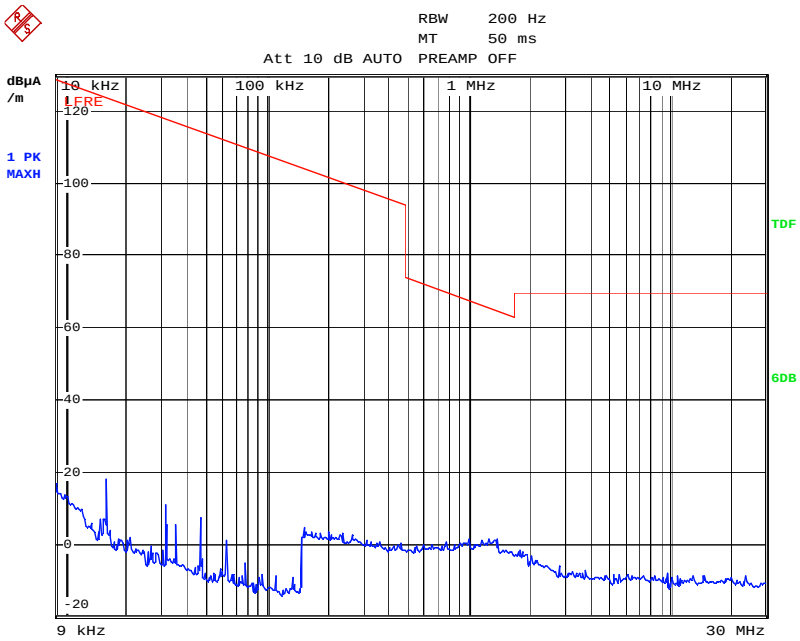
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24917.845	30.88	18.78	49.66	74.00	-24.34	peak			
2	24917.845	19.24	18.78	38.02	54.00	-15.98	AVG			

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



Date: 27.JAN.2013 17:09:08

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



Date: 27.JAN.2013 17:11:03

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

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Tel:+86-0755-26503290
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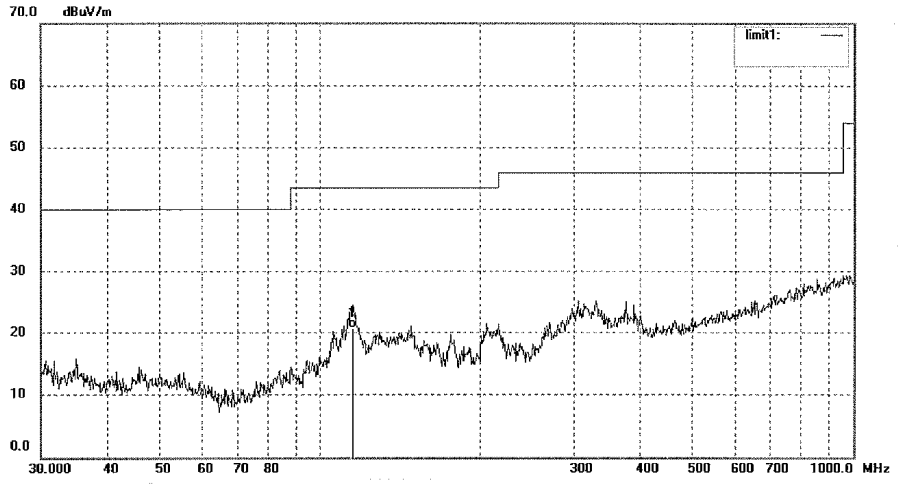
Job No.: PYH #561	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 14/19/04
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	115.8458	6.98	13.68	20.66	43.50	-22.84	QP			

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

ACCURATE TECHNOLOGY CO., LTD.
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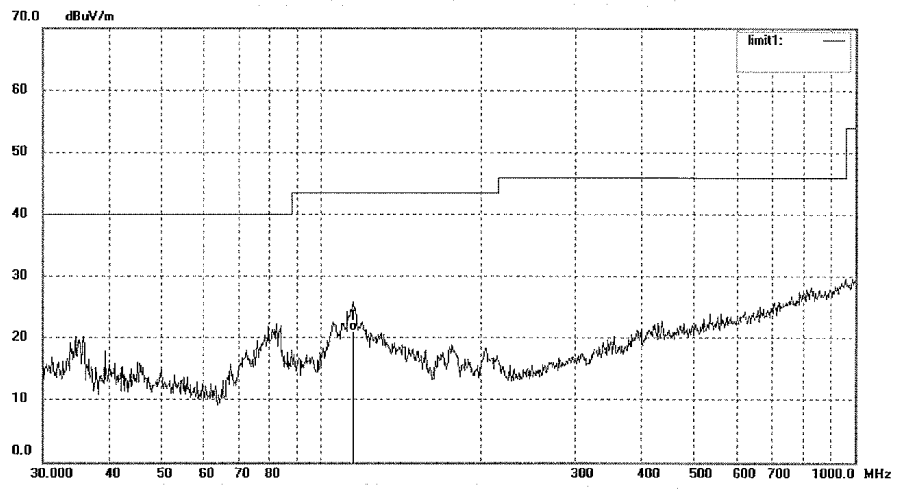
Fax:+86-0755-26503396

Job No.: PYH #562	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 14/26/05
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	115.9224	7.36	13.68	21.04	43.50	-22.46	QP			

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

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Science & Industry Park,Nanshan Shenzhen,P.R.China
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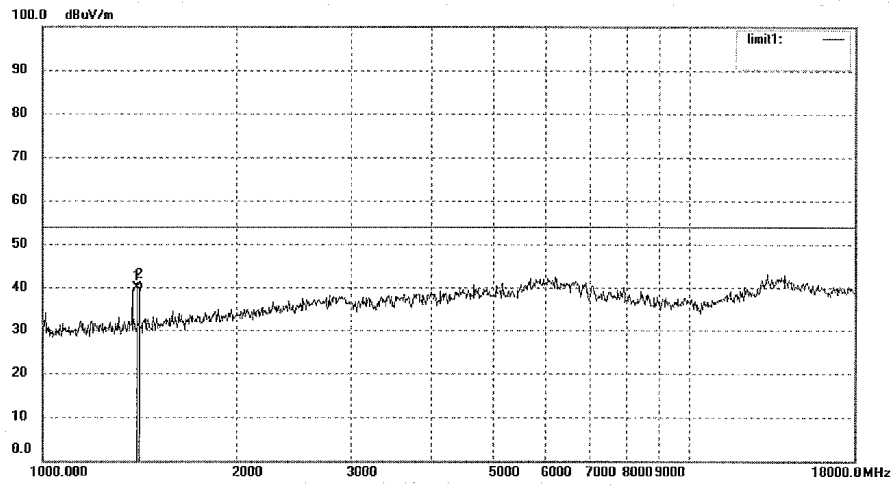
Fax:+86-0755-26503396

Job No.: PYH #549	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 12/33/03
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	1398.506	51.57	-11.81	39.76	74.00	-34.24	peak			
2	1398.506	51.21	-11.81	39.40	54.00	-14.60	AVG			

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

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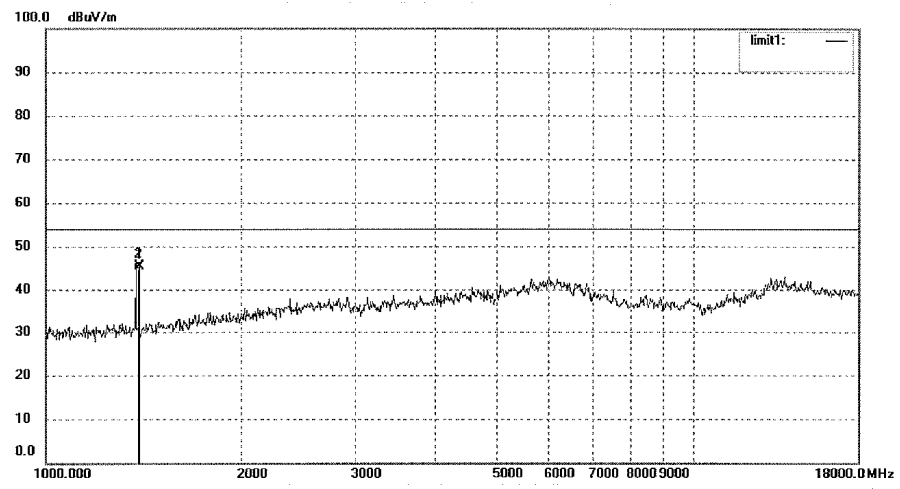
Fax:+86-0755-26503396

Job No.: PYH #550	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 12/45/44
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	1398.586	57.25	-11.81	45.44	74.00	-28.56	peak			
2	1398.586	56.42	-11.81	44.61	54.00	-9.39	AVG			

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

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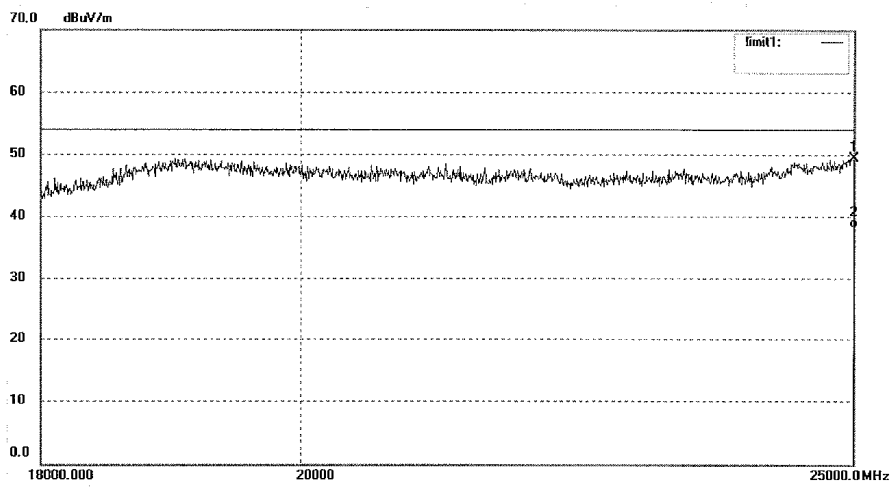
Job No.: PYH #582
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: Clock Radio with Bluetooth
Mode: RX 2402MHz
Model: NS-CLBT01
Manufacturer: Compupal

Polarization: Horizontal
Power Source: AC 120V/60Hz & DC 3V
Date: 13/01/27/
Time: 19/36/26
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	25000.000	30.57	18.90	49.47	74.00	-24.53	peak			
2	25000.000	19.42	18.90	38.32	54.00	-15.68	AVG			

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

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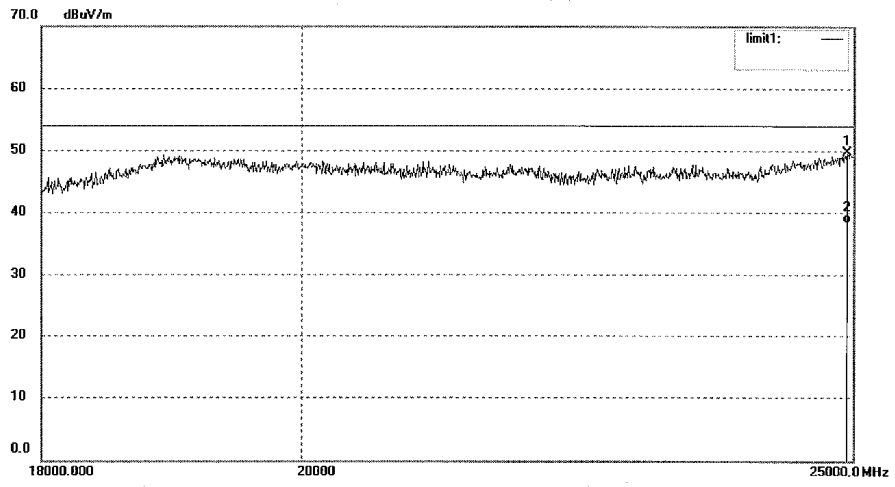
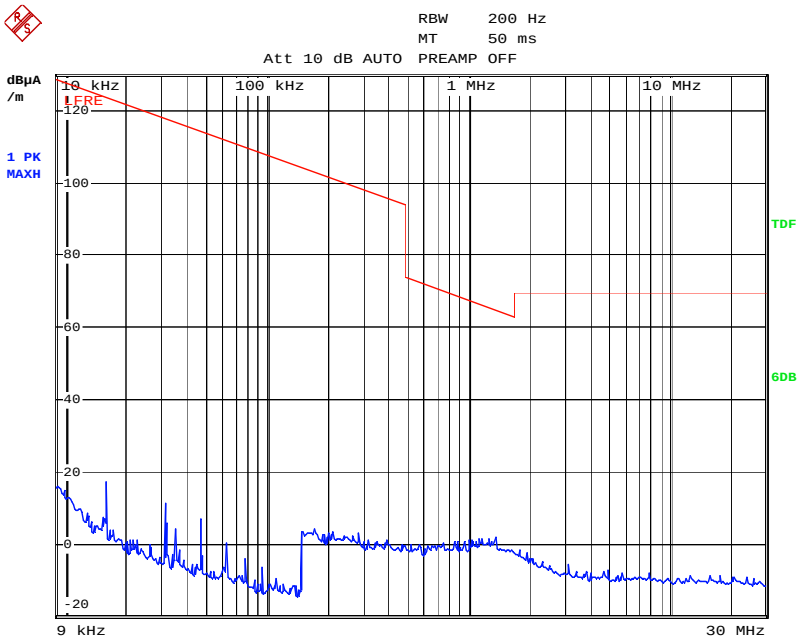
Job No.: PYH #583	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 19/47/33
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: Compupal	
Note: BDR	



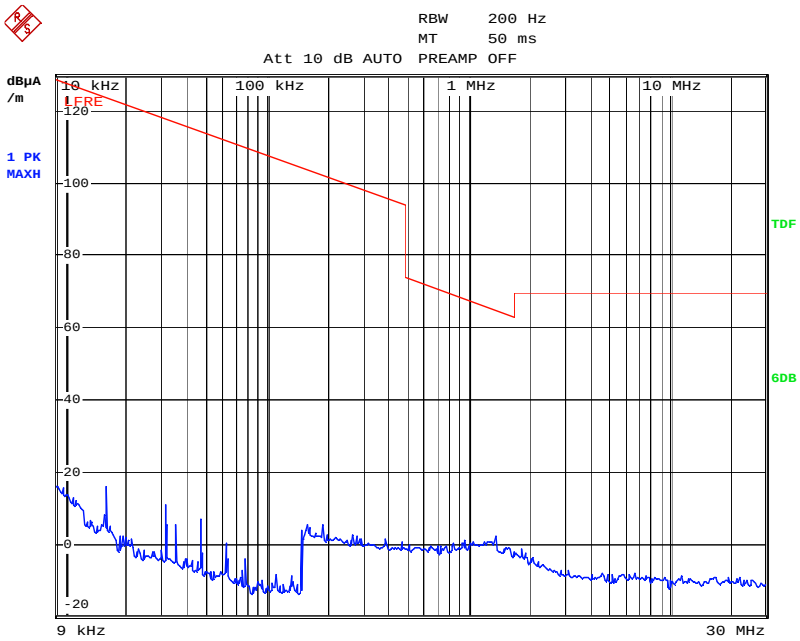
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24942.463	30.94	18.82	49.76	74.00	-24.24	peak			
2	24942.463	19.65	18.82	38.47	54.00	-15.53	AVG			

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



Date: 27.JAN.2013 17:17:30

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



Date: 27.JAN.2013 17:19:38

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

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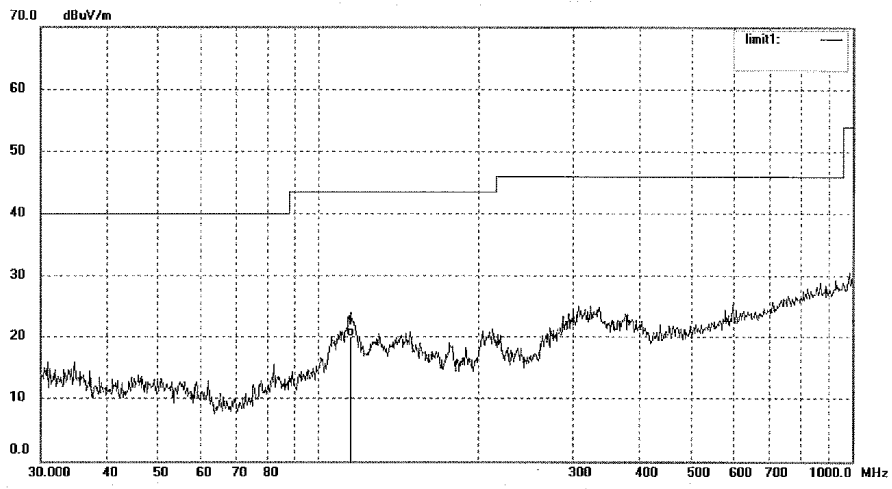
Job No.: PYH #560	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 14/11/48
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	115.7840	6.41	13.68	20.09	43.50	-23.41	QP			

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

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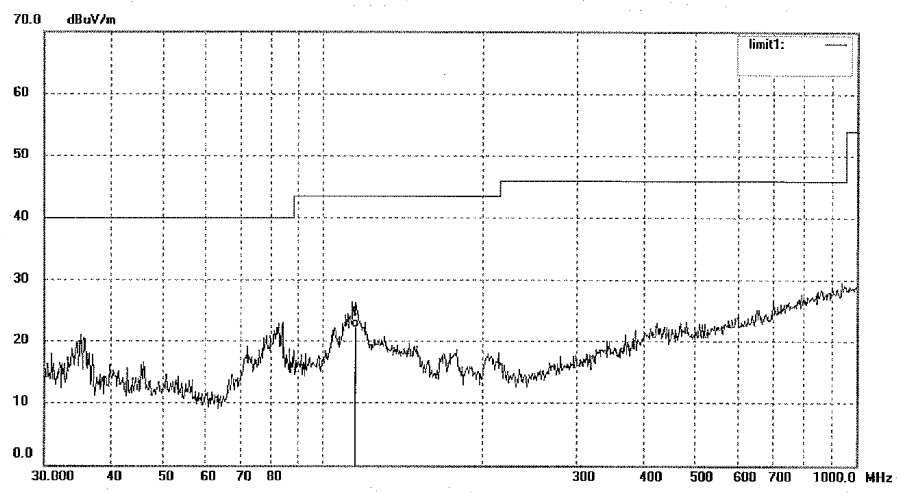
Job No.: PYH #559	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 14/03/16
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	116.2266	8.68	13.68	22.36	43.50	-21.14	QP			

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

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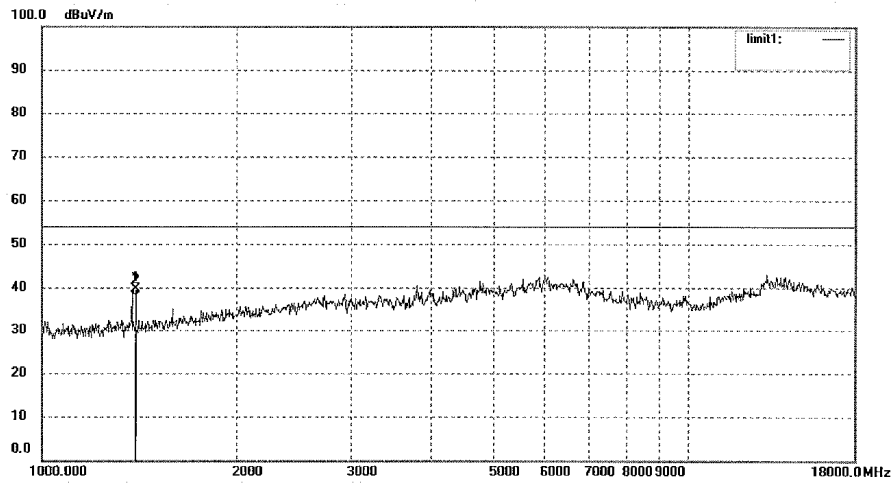
Job No.: PYH #552	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13/05/14
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	1398.510	51.50	-11.81	39.69	74.00	-34.31	peak			
2	1398.510	50.01	-11.81	38.20	54.00	-15.80	AVG			

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

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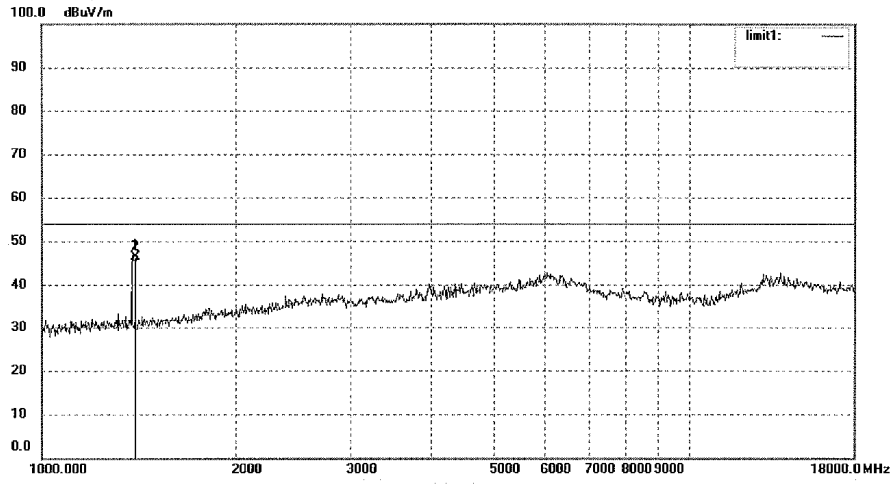
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PYH #551	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 12/57/21
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	1398.555	58.27	-11.81	46.46	74.00	-27.54	peak			
2	1398.555	57.01	-11.81	45.20	54.00	-8.80	AVG			

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

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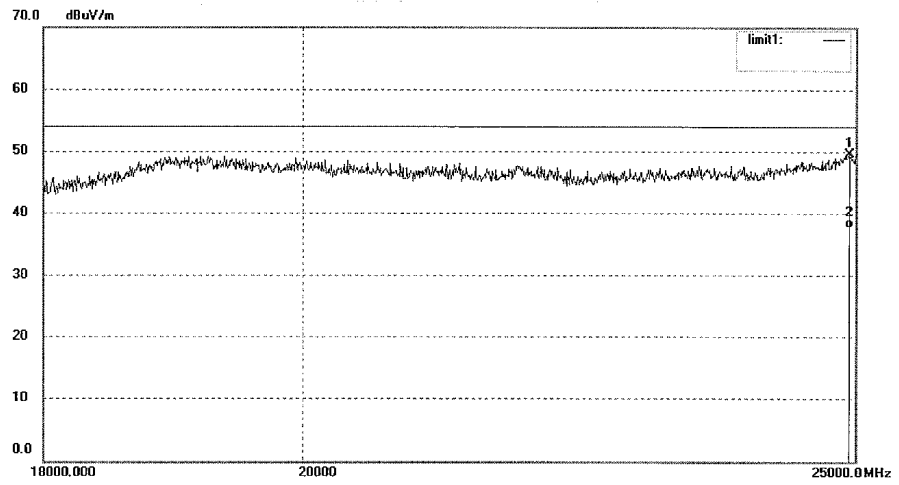
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PYH #585	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 20/04/06
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	30.86	18.82	49.68	74.00	-24.32	peak			
2	24942.463	18.86	18.82	37.68	54.00	-16.32	AVG			

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

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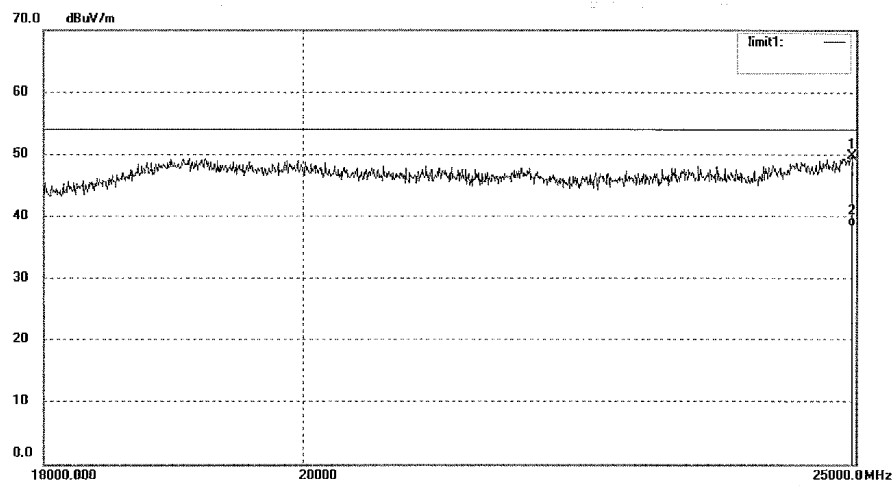
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PYH #584	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 19/55/41
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: RX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	30.93	18.84	49.77	74.00	-24.23	peak			
2	24958.889	19.53	18.84	38.37	54.00	-15.63	AVG			

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

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Tel:+86-0755-26503290
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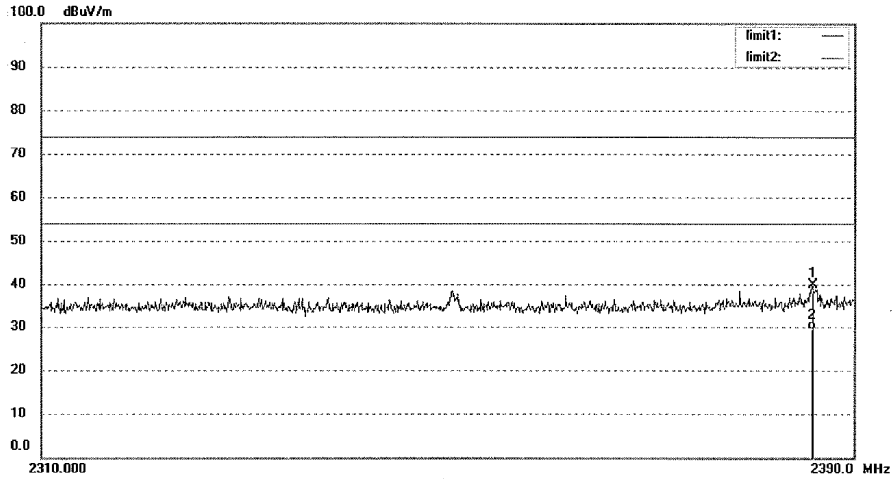
Job No.: PYH #532	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 9/11/59
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	2385.978	47.46	-7.56	39.90	74.00	-34.10	peak			
2	2385.978	36.96	-7.56	29.40	54.00	-24.60	AVG			

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

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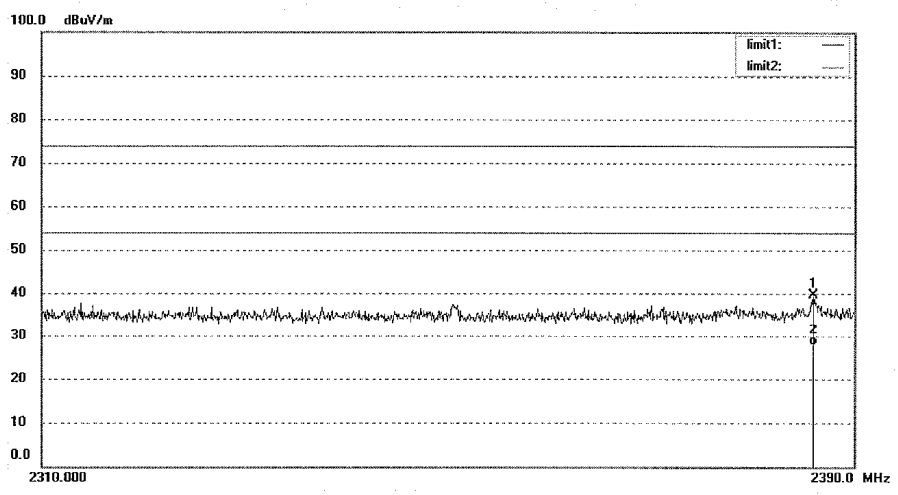
Job No.: PYH #531	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 8/59/42
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	2385.927	47.15	-7.56	39.59	74.00	-34.41	peak			
2	2385.927	35.56	-7.56	28.00	54.00	-26.00	AVG			

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

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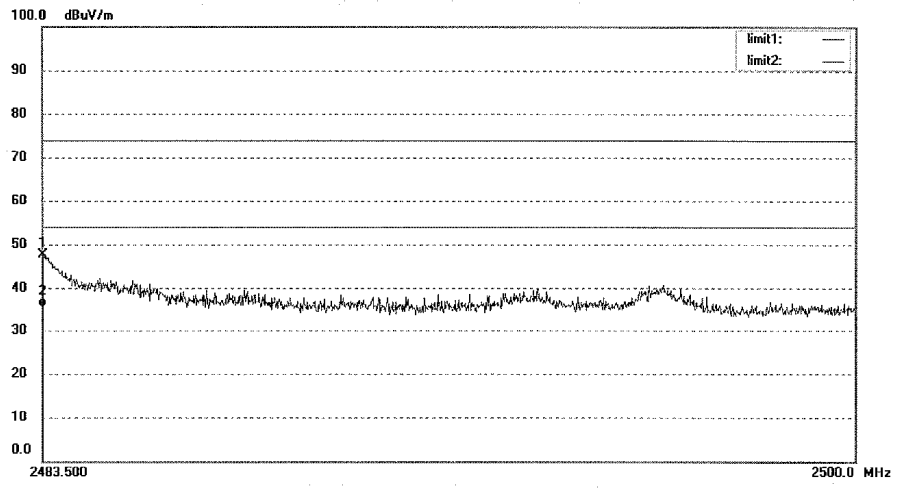
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PYH #537	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 10/17/57
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
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	54.91	-7.37	47.54	74.00	-26.46	peak			
2	2483.500	43.07	-7.37	35.70	54.00	-18.30	AVG			

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

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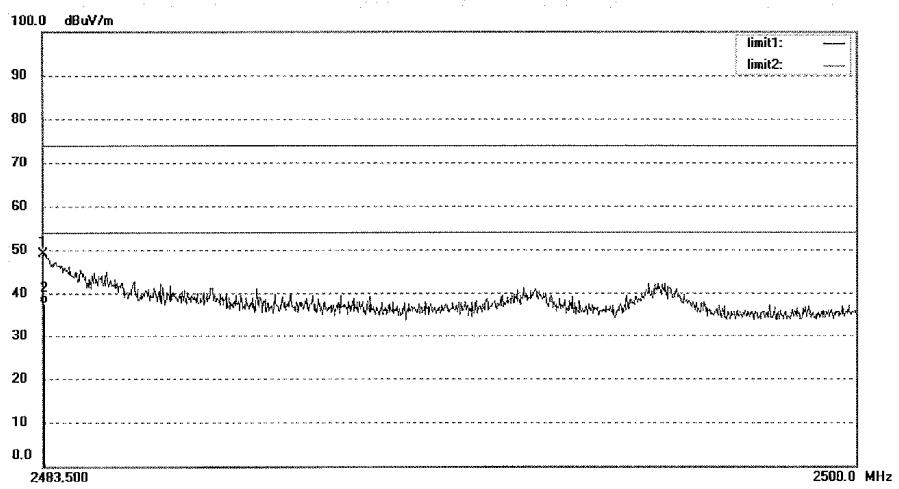
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PYH #538	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 10/29/15
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: Compupal	

Note: BDR



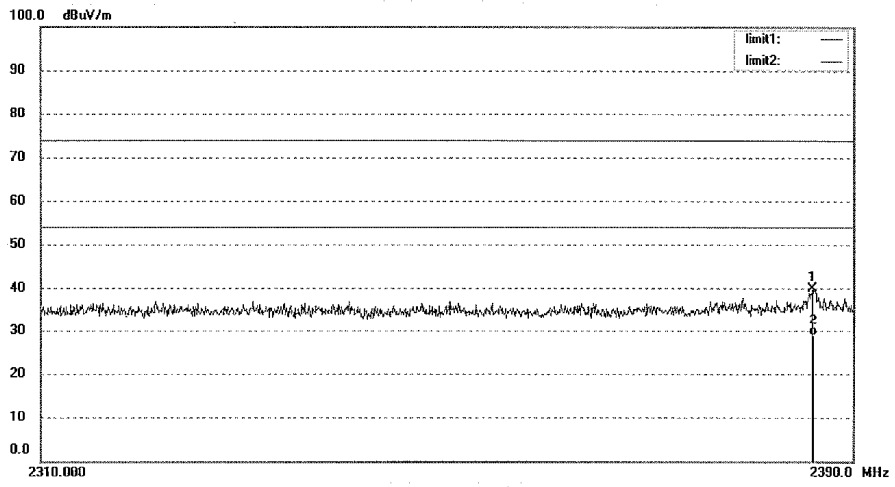
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	56.57	-7.37	49.20	74.00	-24.80	peak			
2	2483.500	45.07	-7.37	37.70	54.00	-16.30	AVG			

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

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 #541	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 11/13/56
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2402MHz	Distance: 3m
Model: NS-CLBT01	
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	2385.978	47.52	-7.56	39.96	74.00	-34.04	peak			
2	2385.978	36.56	-7.56	29.00	54.00	-25.00	AVG			

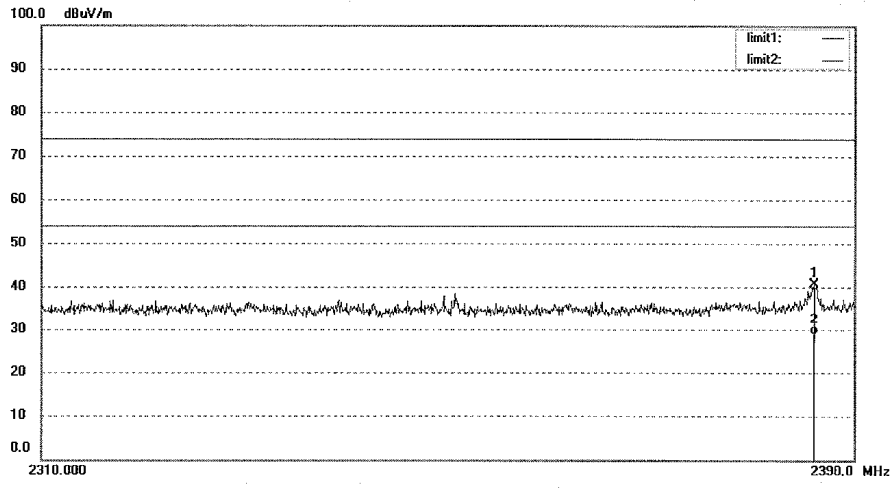
Figure 70: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical, 8DP SK Modulation

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 #542
Standard: FCC Part 15 Band Edge (2.4G)
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: Clock Radio with Bluetooth
Mode: TX 2402MHz
Model: NS-CLBT01
Manufacturer: Compupal

Polarization: Vertical
Power Source: AC 120V/60Hz & DC 3V
Date: 13/01/27/
Time: 11/24/08
Engineer Signature: PEI
Distance: 3m

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	2386.020	48.18	-7.56	40.62	74.00	-33.38	peak			
2	2386.020	36.36	-7.56	28.80	54.00	-25.20	AVG			

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

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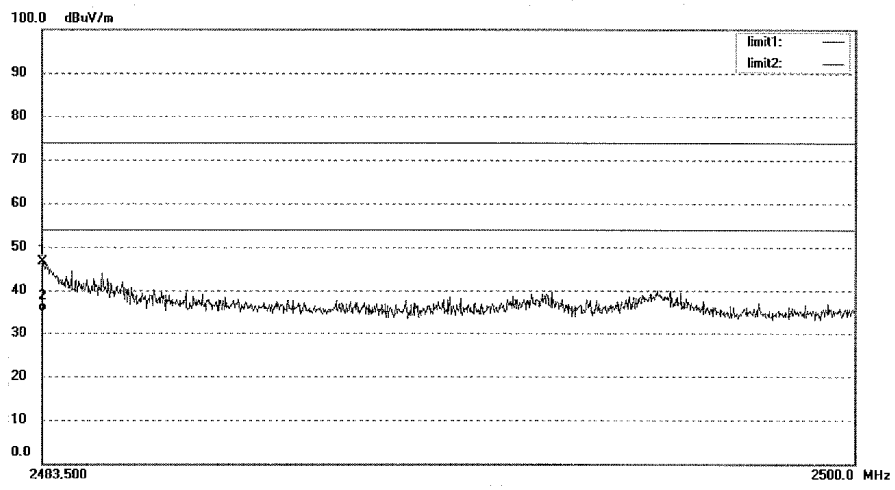
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PYH #548	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 12/24/56
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
Manufacturer: Compupal	

Note: EDR



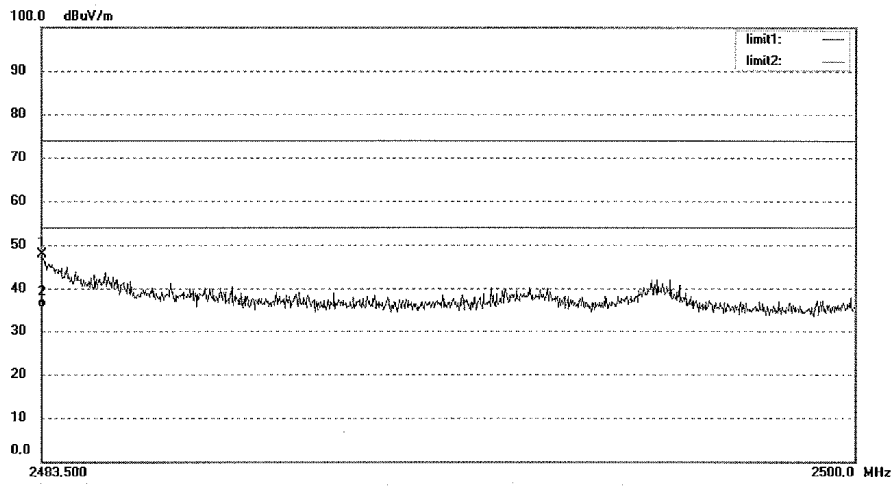
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	54.05	-7.37	46.68	74.00	-27.32	peak			
2	2483.500	42.57	-7.37	35.20	54.00	-18.80	AVG			

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

ATC®
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 #547	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/27/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 12/14/44
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-CLBT01	
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	55.35	-7.37	47.98	74.00	-26.02	peak			
2	2483.500	43.07	-7.37	35.70	54.00	-18.30	AVG			

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

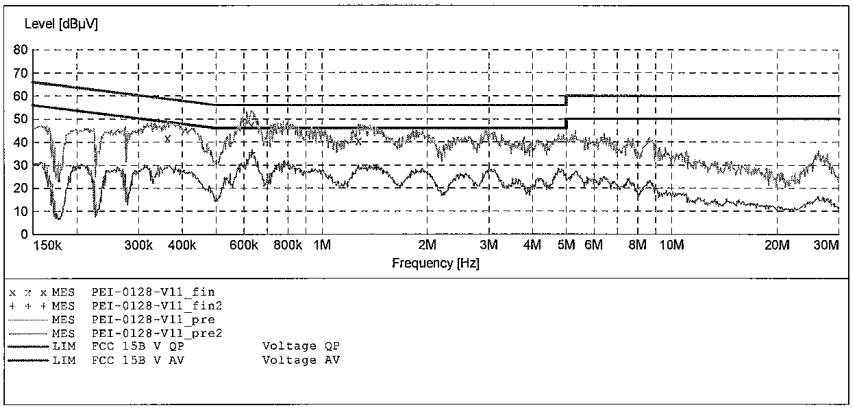
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Clock Radio with Bluetooth M/N:NS-CLBT01
Manufacturer:         Compupal
Operating Condition:  Bluetooth Transmitting
Test Site:            1#Shielding Room
Operator:             PEI
Test Specification:   L 120V/60Hz & DC 3V
Comment:              Mains port
Start of Test:        1/28/2013 / 10:22:56AM
```

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-0128-V11_fin"

```
1/28/2013  10:25AM
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz      dBµV      dB   dBµV      dB

    0.363895     41.70    11.2     59    16.9  QP        L1     GND
    0.631288     47.20    11.3     56     8.8  QP        L1     GND
    1.274563     40.60    11.3     56    15.4  QP        L1     GND
```

MEASUREMENT RESULT: "PEI-0128-V11_fin2"

```
1/28/2013  10:25AM
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz      dBµV      dB   dBµV      dB

    0.633814     35.10    11.3     46    10.9  AV        L1     GND
    0.780036     30.10    11.3     46    15.9  AV        L1     GND
    1.430998     28.80    11.3     46    17.2  AV        L1     GND
```

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

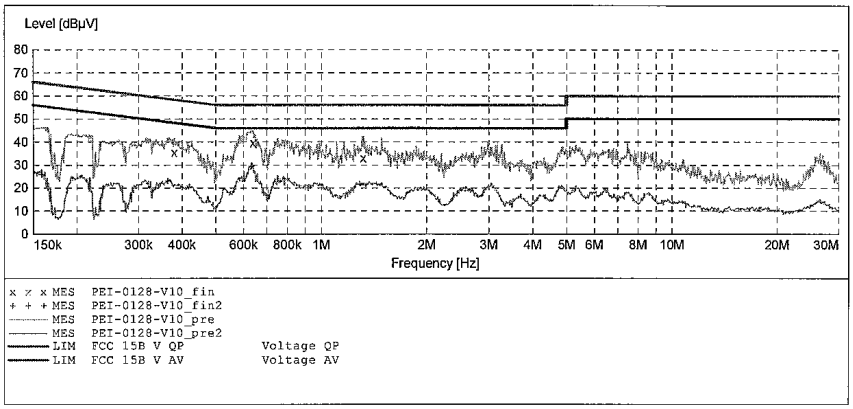
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                 Clock Radio with Bluetooth M/N:NS-CLBT01
Manufacturer:        Compupal
Operating Condition: Bluetooth Transmitting
Test Site:           1#Shielding Room
Operator:            PEI
Test Specification:  N 120V/60Hz & DC 3V
Comment:             Mains port
Start of Test:       1/28/2013 / 10:19:55AM
```

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-0128-V10_fin"

```
1/28/2013  10:22AM
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz      dBµV      dB   dBµV      dB

    0.380230     35.40    11.2     58    22.9  QP        N      GND
    0.638894     39.60    11.3     56    16.4  QP        N      GND
    1.321188     33.00    11.3     56    23.0  QP        N      GND
```

MEASUREMENT RESULT: "PEI-0128-V10_fin2"

```
1/28/2013  10:22AM
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz      dBµV      dB   dBµV      dB

    0.158622     25.60    11.2     56    29.9  AV        N      GND
    0.365350     22.90    11.2     49    25.7  AV        N      GND
    0.633814     29.30    11.3     46    16.7  AV        N      GND
```

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

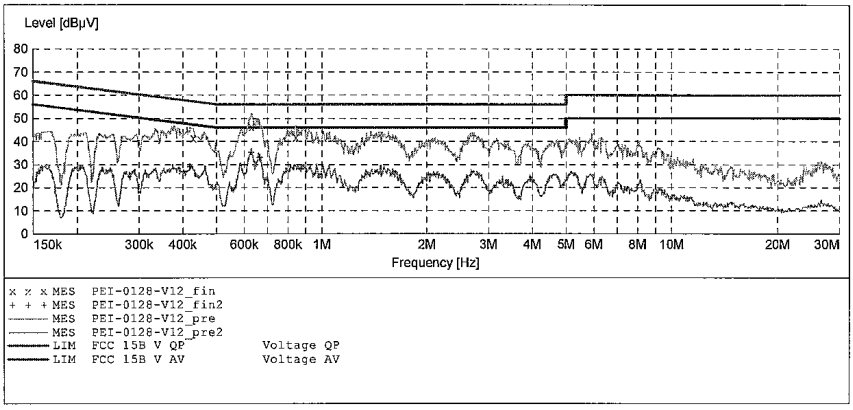
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Clock Radio with Bluetooth M/N:NS-CLBT01
Manufacturer:         Compupal
Operating Condition:  Radio FM
Test Site:            1#Shielding Room
Operator:             PEI
Test Specification:   L 120V/60Hz & DC 3V
Comment:              Mains port
Start of Test:        1/28/2013 / 10:26:40AM
```

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-0128-V12_fin"

1/28/2013 10:29AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.428605	41.40	11.2	57	15.9	QP	L1	GND
0.628773	46.30	11.3	56	9.7	QP	L1	GND
0.844868	41.70	11.3	56	14.3	QP	L1	GND

MEASUREMENT RESULT: "PEI-0128-V12_fin2"

1/28/2013 10:29AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.420135	28.90	11.2	47	18.5	AV	L1	GND
0.628773	35.20	11.3	46	10.8	AV	L1	GND
0.664915	33.00	11.3	46	13.0	AV	L1	GND
0.872285	27.80	11.3	46	18.2	AV	L1	GND

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

ACCURATE TECHNOLOGY CO.,LTD

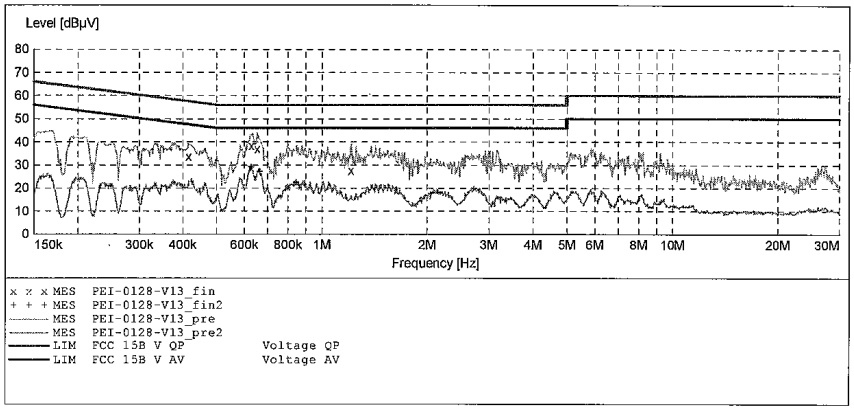
CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                Clock Radio with Bluetooth M/N:NS-CLBT01
Manufacturer:       Compupal
Operating Condition: Radio FM
Test Site:          1#Shielding Room
Operator:           PEI
Test Specification: N 120V/60Hz & DC 3V
Comment:            Mains port
Start of Test:      1/28/2013 / 10:29:50AM
```

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

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	0.8 %	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "PEI-0128-V13_fin"

1/28/2013 10:32AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.415134	33.60	11.2	58	23.9	QP	N	GND
0.628773	38.40	11.3	56	17.6	QP	N	GND
0.654382	36.90	11.3	56	19.1	QP	N	GND
1.214945	27.70	11.3	56	28.3	QP	N	GND

MEASUREMENT RESULT: "PEI-0128-V13_fin2"

1/28/2013 10:32AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.628773	29.00	11.3	46	17.0	AV	N	GND
0.664915	27.10	11.3	46	18.9	AV	N	GND
0.844868	22.30	11.3	46	23.7	AV	N	GND

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

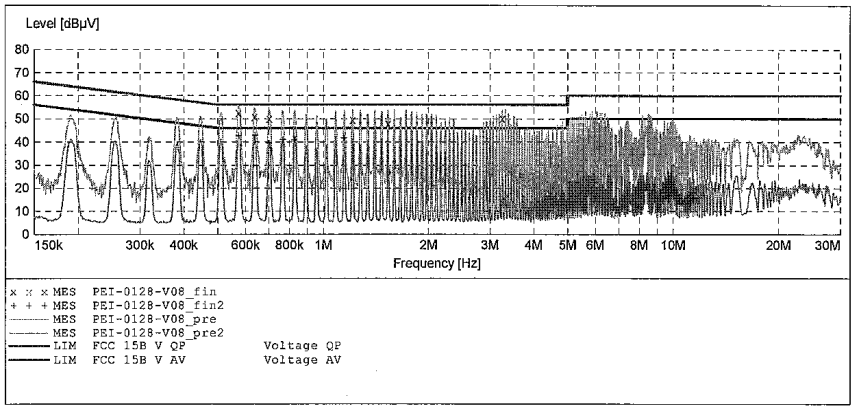
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Clock Radio with Bluetooth M/N:NS-CLBT01
Manufacturer:         Compupal
Operating Condition:  Aux in
Test Site:            1#Shielding Room
Operator:             PEI
Test Specification:   L 120V/60Hz & DC 3V
Comment:              Mains port
Start of Test:        1/28/2013 / 10:01:02AM
```

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-0128-V08_fin"

1/28/2013 10:07AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.573613	52.40	11.3	56	3.6	QP	L1	GND
0.636349	50.90	11.3	56	5.1	QP	L1	GND
0.700333	50.10	11.3	56	5.9	QP	L1	GND
1.214945	49.40	11.3	56	6.6	QP	L1	GND
1.531483	47.80	11.3	56	8.2	QP	L1	GND
3.256746	50.10	11.4	56	5.9	QP	L1	GND

MEASUREMENT RESULT: "PEI-0128-V08_fin2"

1/28/2013 10:07AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.573613	42.50	11.3	46	3.5	AV	L1	GND
0.638894	42.70	11.3	46	3.3	AV	L1	GND
0.700333	39.30	11.3	46	6.7	AV	L1	GND
0.767679	40.90	11.3	46	5.1	AV	L1	GND
0.828172	40.80	11.3	46	5.2	AV	L1	GND
1.148907	41.50	11.3	46	4.5	AV	L1	GND

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

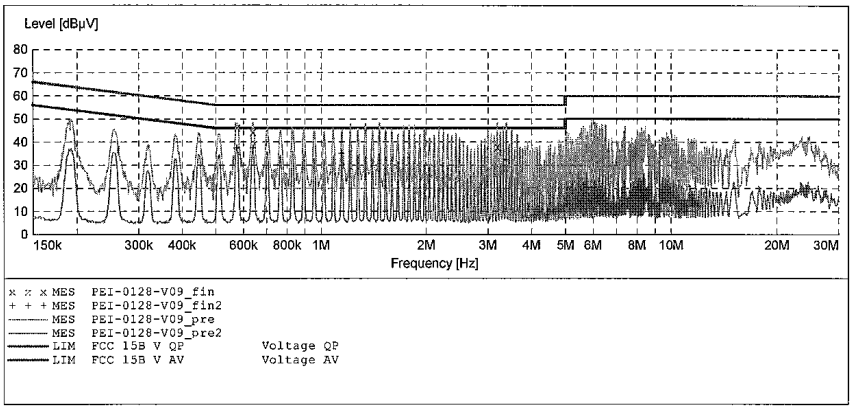
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

```
EUT:                  Clock Radio with Bluetooth M/N:NS-CLBT01
Manufacturer:         Compupal
Operating Condition:  Aux in
Test Site:            1#Shielding Room
Operator:             PEI
Test Specification:   N 120V/60Hz & DC 3V
Comment:              Mains port
Start of Test:        1/28/2013 / 10:08:00AM
```

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-0128-V09_fin"

```
1/28/2013  10:15AM
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz      dBµV      dB   dBµV      dB

    0.575905     46.30    11.3     56     9.7  QP        N      GND
    0.638892     44.30    11.3     56    11.7  QP        N      GND
    3.192375     37.90    11.4     56    18.1  QP        N      GND
```

MEASUREMENT RESULT: "PEI-0128-V09_fin2"

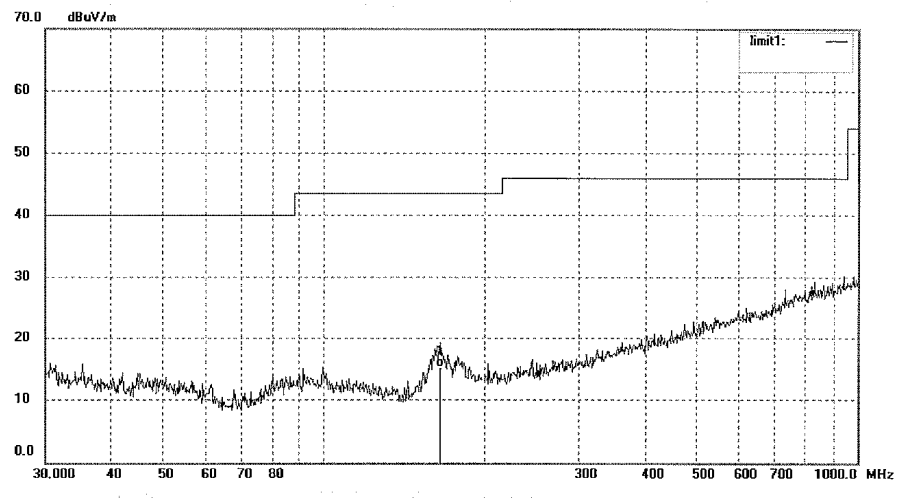
```
1/28/2013  10:15AM
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz      dBµV      dB   dBµV      dB

    0.573611     37.40    11.3     46     8.6  AV        N      GND
    0.638892     37.30    11.3     46     8.7  AV        N      GND
    1.148903     35.00    11.3     46    11.0  AV        N      GND
    3.389375     32.10    11.4     46    13.9  AV        N      GND
```

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

ATC®
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 #589	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/28/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 12/13/05
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: FM 88.1MHz	Distance: 3m
Model: NS-CLBT01	
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	164.8911	3.12	12.16	15.28	43.50	-28.22	QP			

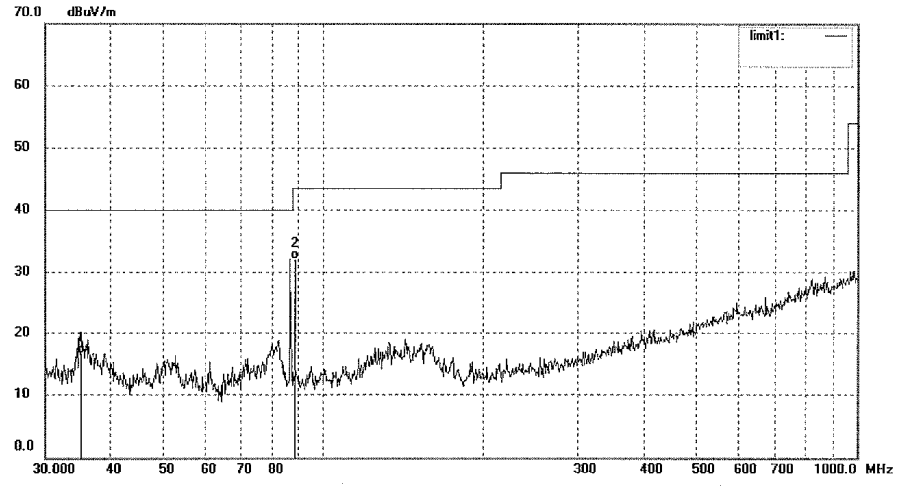
Figure 80: Test figure of Radiated emissions, Mode C, Below 1GHz, Vertical

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 #588
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: Clock Radio with Bluetooth
Mode: FM 88.1MHz
Model: NS-CLBT01
Manufacturer: Compupal

Polarization: Vertical
Power Source: AC 120V/60Hz & DC 3V
Date: 13/01/28/
Time: 12/04/35
Engineer Signature: PEI
Distance: 3m

Note:



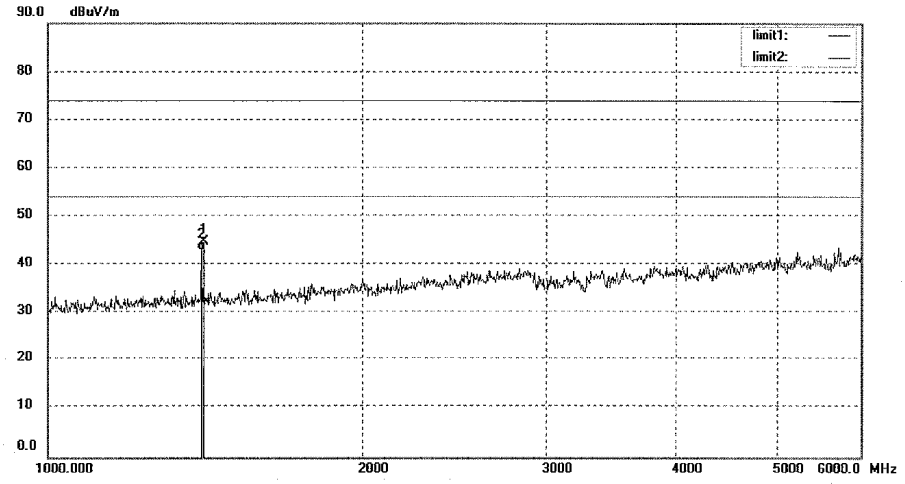
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	35.1389	0.97	15.66	16.63	40.00	-23.37	QP			
2	88.1000	18.35	13.75	32.10	43.50	-11.40	QP			

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

ATC®
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 #597	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/28/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13/22/01
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: FM 88.1MHz	Distance: 3m
Model: NS-CLBT01	
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	1407.529	56.59	-11.76	44.83	74.00	-29.17	peak			
2	1407.529	54.85	-11.76	43.09	54.00	-10.91	AVG			

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

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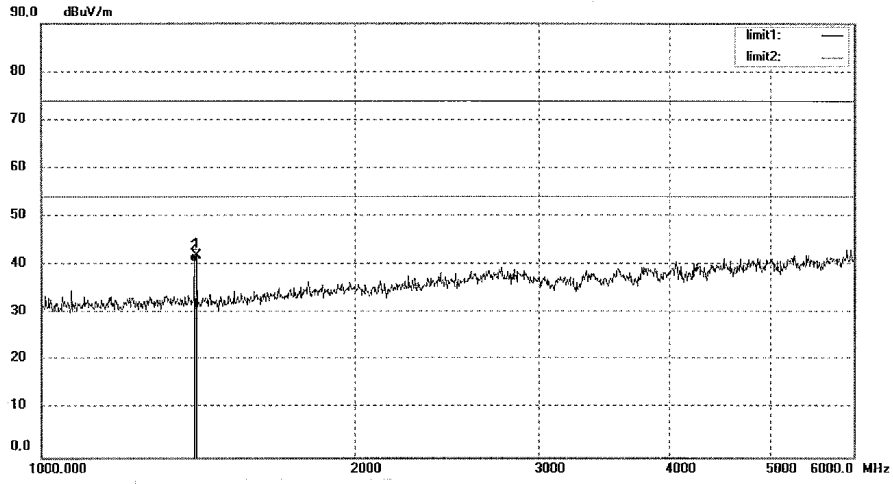
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: PYH #596	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/28/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 13/13/25
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: FM 88.1MHz	Distance: 3m
Model: NS-CLBT01	
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	1407.522	53.81	-11.76	42.05	74.00	-31.95	peak			
2	1407.522	52.45	-11.76	40.69	54.00	-13.31	AVG			

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

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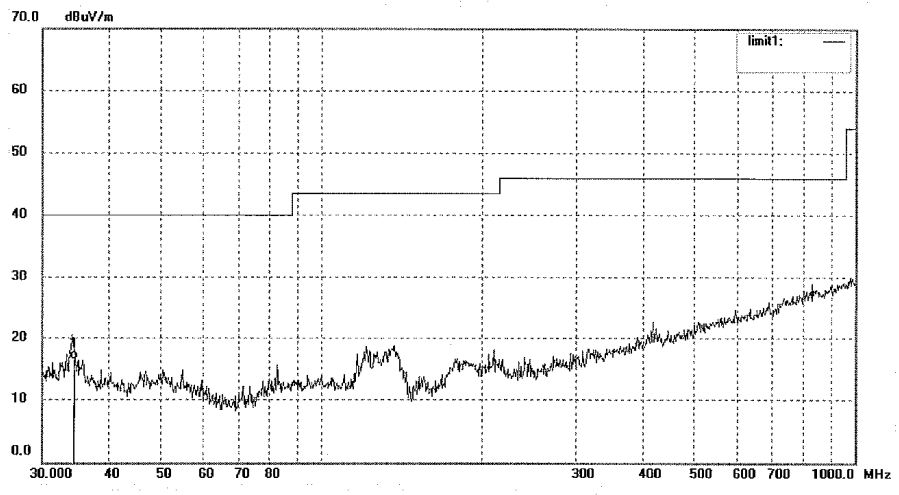
Job No.: PYH #586	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/28/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 11/41/35
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: Aux in	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	34.7649	0.90	15.72	16.62	40.00	-23.38	QP			

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

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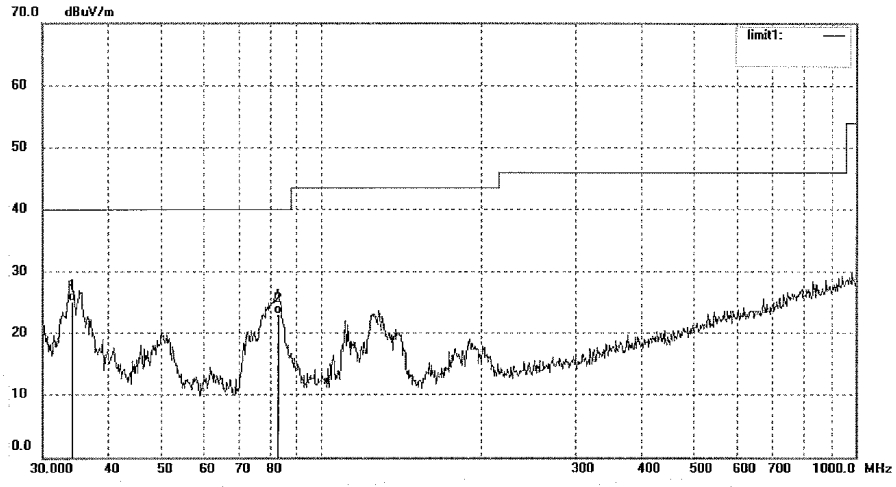
Job No.: PYH #587	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/28/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 11/57/44
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: Aux in	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	34.0451	9.51	15.79	25.30	40.00	-14.70	QP			
2	82.8162	10.18	13.07	23.25	40.00	-16.75	QP			

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

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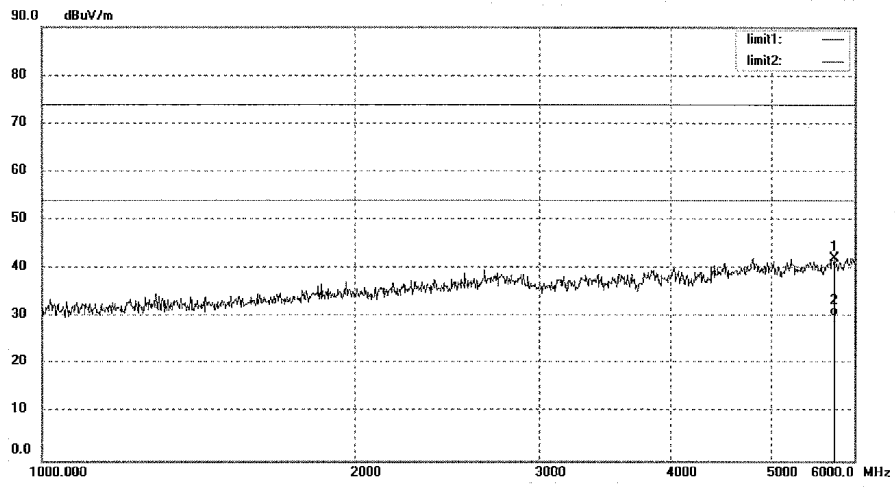
Job No.: PYH #595
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 26 C / 55 %
EUT: Clock Radio with Bluetooth
Mode: Aux in
Model: NS-CLBT01
Manufacturer: Compupal

Polarization: Horizontal
Power Source: AC 120V/60Hz & DC 3V
Date: 13/01/28/
Time: 13/05/47
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5735.616	40.73	1.43	42.16	74.00	-31.84	peak			
2	5735.616	28.73	1.43	30.16	54.00	-23.84	AVG			

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

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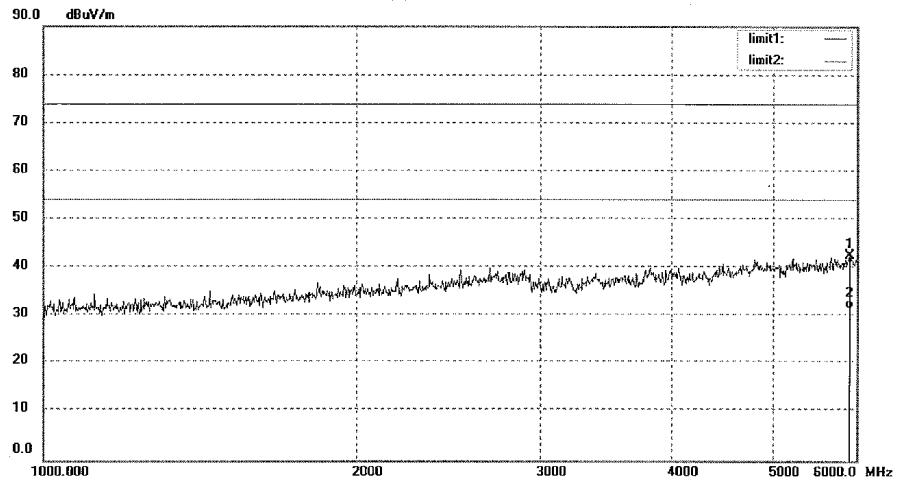
Job No.: PYH #594	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz & DC 3V
Test item: Radiation Test	Date: 13/01/28/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 12/57/05
EUT: Clock Radio with Bluetooth	Engineer Signature: PEI
Mode: Aux in	Distance: 3m
Model: NS-CLBT01	
Manufacturer: 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	5903.446	40.62	1.96	42.58	74.00	-31.42	peak			
2	5903.446	29.62	1.96	31.58	54.00	-22.42	AVG			