

Prüfbericht-Nr.: <i>Test Report No.:</i>	17032419 001	Auftrags-Nr.: <i>Order No.:</i>	164004470	Seite 1 von 41 Page 1 of 41
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	24.04.2013	
Auftraggeber: <i>Client:</i>	Dongguan Alllike Electronics Co., Ltd, Chuancha Development Zone, Machong Town, Dongguan, Guangdong, China			
Prüfgegenstand: <i>Test item:</i>	Bluetooth/CD Compact Shelf System			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	NS-SH513			
Auftrags-Inhalt: <i>Order content:</i>	FCC Certification and Verification			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart C Section 15.107 CFR47 FCC 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			
Wareneingangsdatum: <i>Date of receipt:</i>	26.04.2013			
Prüfmuster-Nr.: <i>Test sample No.:</i>	130427401			
Prüfzeitraum: <i>Testing period:</i>	04.05.2013 - 07.05.2013			
Ort der Prüfung: <i>Place of testing:</i>	Shenzhen Accurate Technology Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Bitte wählen / Please select...			
geprüft von / tested by:  16.05.2013 Owen Tian / Project Manager Datum Name / Stellung Unterschrift <i>Date</i> <i>Name / Position</i> <i>Signature</i>		kontrolliert von / reviewed by:  23.05.2013 Winnie Hou / Technical Certifier Datum Name / Stellung Unterschrift <i>Date</i> <i>Name / Position</i> <i>Signature</i>		
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: *Passed*

5.1.2 PEAK OUTPUT POWER

RESULT: *Passed*

5.1.3 20dB BANDWIDTH

RESULT: *Passed*

5.1.4 99% BANDWIDTH

RESULT: *Passed*

5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHZ BANDWIDTH

RESULT: *Passed*

5.1.6 SPURIOUS EMISSION

RESULT: *Passed*

5.1.7 FREQUENCY SEPARATION

RESULT: *Passed*

5.1.8 NUMBER OF HOPPING FREQUENCY

RESULT: *Passed*

5.1.9 TIME OF OCCUPANCY

RESULT: *Passed*

5.1.10 CONDUCTED EMISSIONS

RESULT: *Passed*

5.1.11 RADIATED EMISSION

RESULT: *Passed*

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: *Passed*

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1. General Remarks

1.1 Complementary Materials

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

2. Test Sites

2.1 Test Facilities

Shenzhen Accurate Technology Co., Ltd.

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

FCC Registration No.: 752051

Test site Industry Canada No.: 5077A

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

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

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 basis using in house standards or comparisons.

2.5 Measurement Uncertainty

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

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

The Shenzhen Accurate Technology Co., Ltd. test facility located at F1, Bldg. A, Changyuan New Material Port, Keyuan Rd., Science & Industry Park Nanshan District, Shenzhen 518057, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUT is CD compact shelf system with Bluetooth function.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Rating of EUT

Kind of Equipment:	Bluetooth/CD Compact Shelf System
Type Designation:	NS-SH513
FCC ID	BUQF106BT
IC	11059AF106BT

Table 3: Technical Specification of EUT

Technical Specification	Value
Operating Frequency band	2402 – 2480 MHz
Channel separation	1MHz
Extreme Temperature Range	-20°C to +55°C
Operation Voltage	AC120V 60Hz
Modulation	GFSK, 8DPSK, $\pi/4$ DQPSK
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	0dBi
RF Output Power	0.00163W (2.12dBm)

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. Playing CD
- D. Playing from AUX
- E. Playing from USB
- F. FM
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- G. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

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

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

4.2 Test Operation and Test Software

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

4.3 Special Accessories and Auxiliary Equipment

N/A.

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

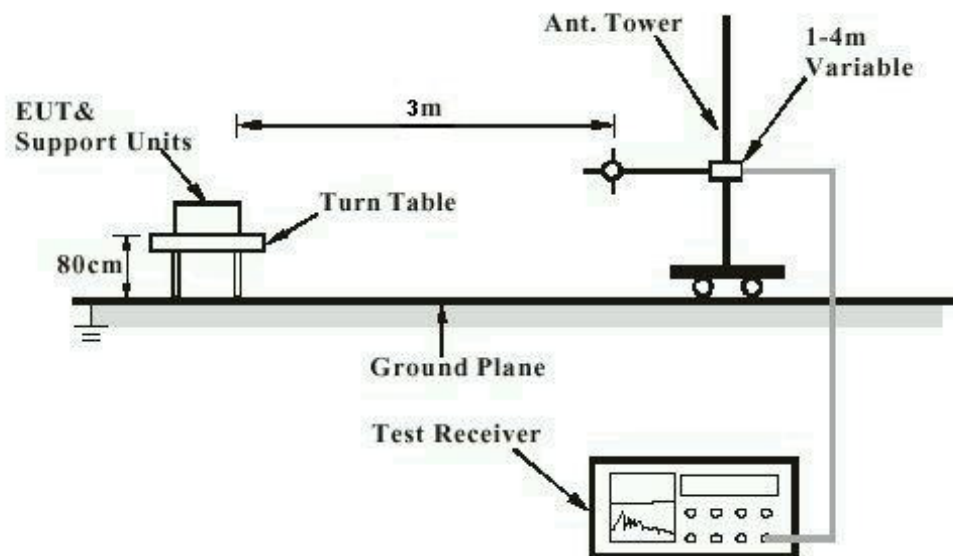


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement

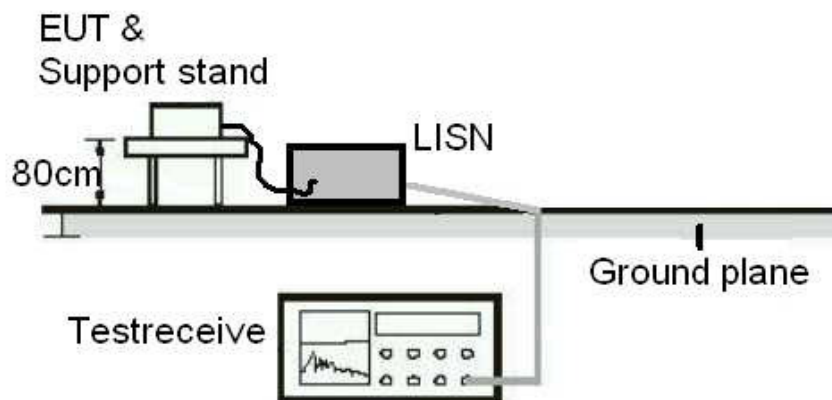
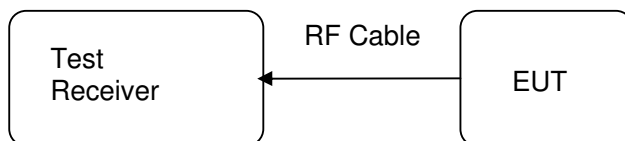


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Passed**

Test date	:	2013-05-04
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.

5.1.3 20dB Bandwidth

RESULT:**Passed**

Date of testing : 2013-05-04
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°C
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	916	/	Pass
Mid Channel	2441	922	/	Pass
High Channel	2480	916	/	Pass

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

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	1138	/	Pass
Mid Channel	2441	1212	/	Pass
High Channel	2480	1206	/	Pass

5.1.4 99% Bandwidth**RESULT:****Passed**

Date of testing : 2013-05-04
Test standard : RSS-Gen clause 4.6.1
Basic standard : ANSI C63.4: 2003
Kind of test site : Shielded room

Test setup

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

Table 9: Test result of 99% Bandwidth, GFSK Modulation

Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	930	/	Pass
Mid Channel	2441	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	1200	/	Pass
Mid Channel	2441	1212	/	Pass
High Channel	2480	1206	/	Pass

5.1.5 Conducted spurious emissions measured in 100kHz Bandwidth

RESULT:**Passed**

Date of testing	:	2013-05-04
Test standard	:	FCC part 15.247(d) RSS-210 A8.5
Basic standard	:	ANSI C63.4: 2003
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shield room

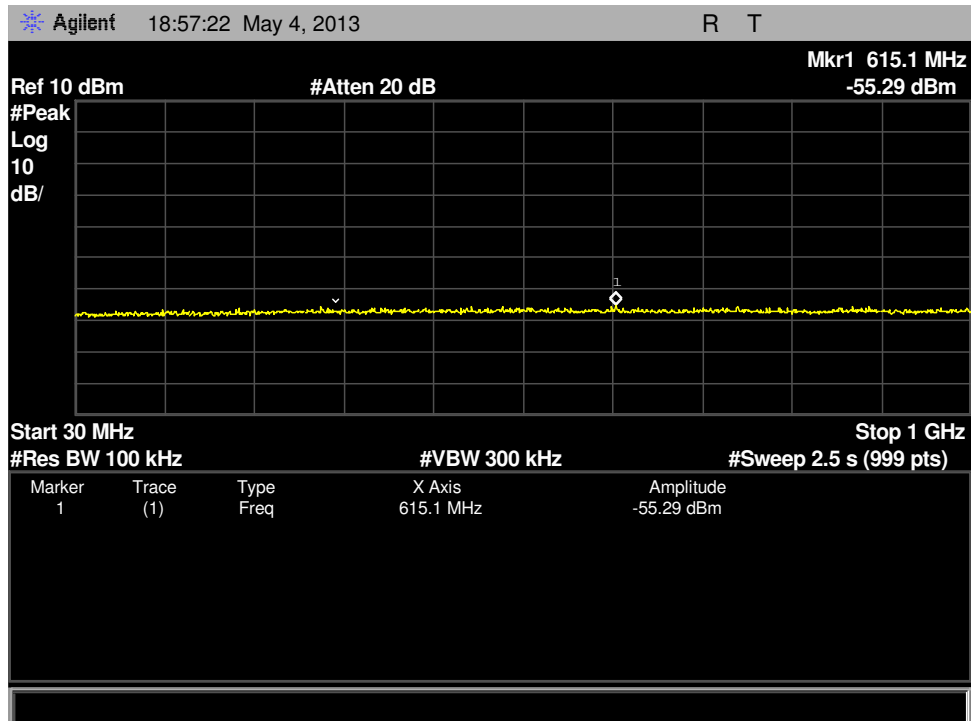
Test setup

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

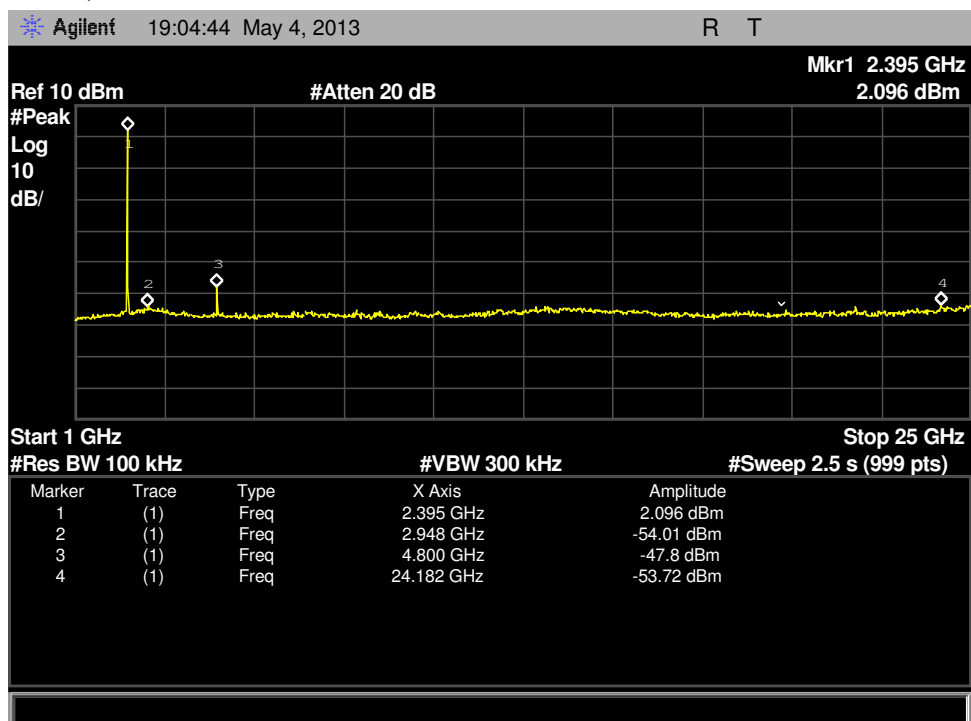
All emissions are more than 20dB below fundamental, details refer to following test plot, and compliance is achieved as well.

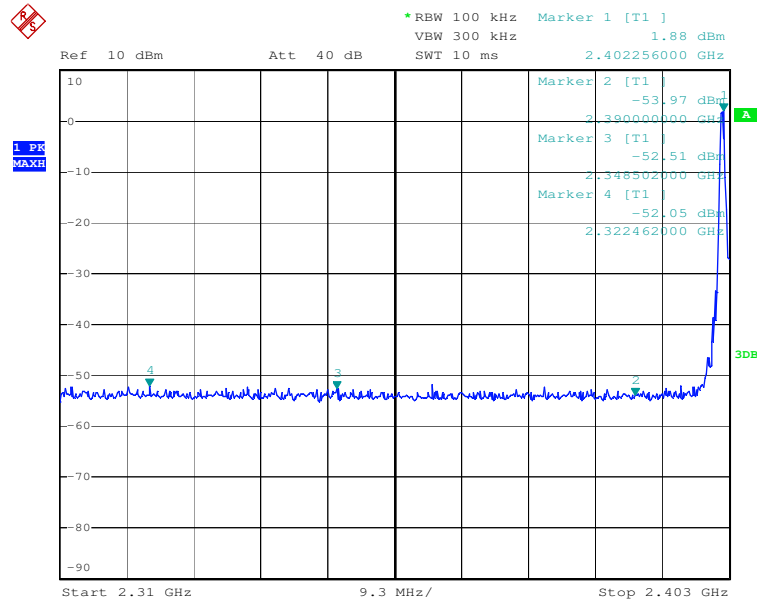
Test Plot of 100kHz Bandwidth of Frequency Band Edge, GFSK modulation

Low Channel, below 1GHz

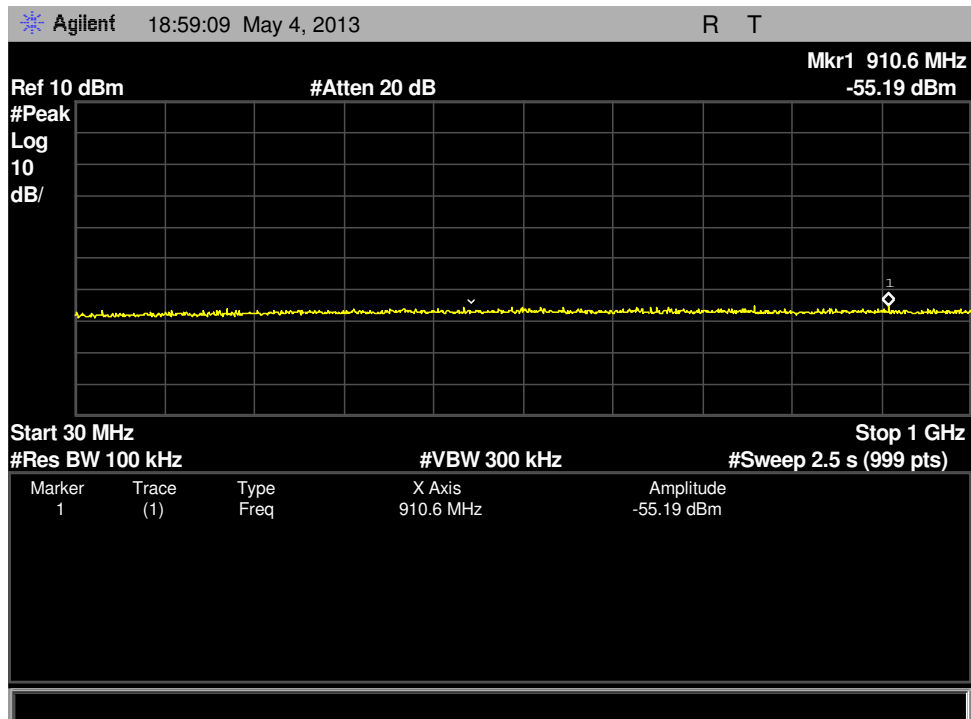


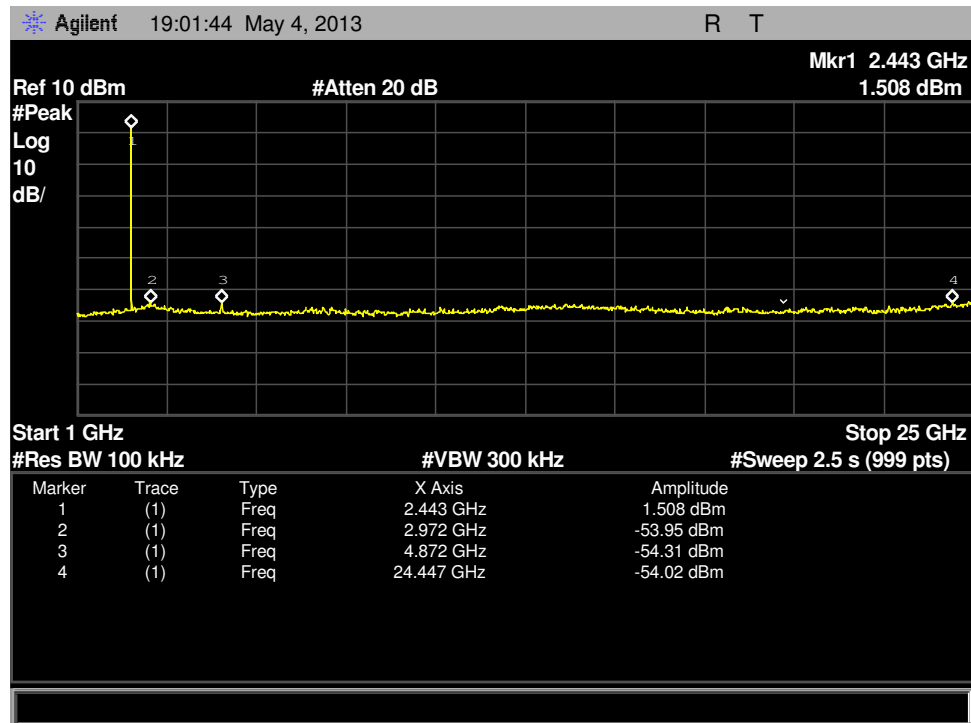
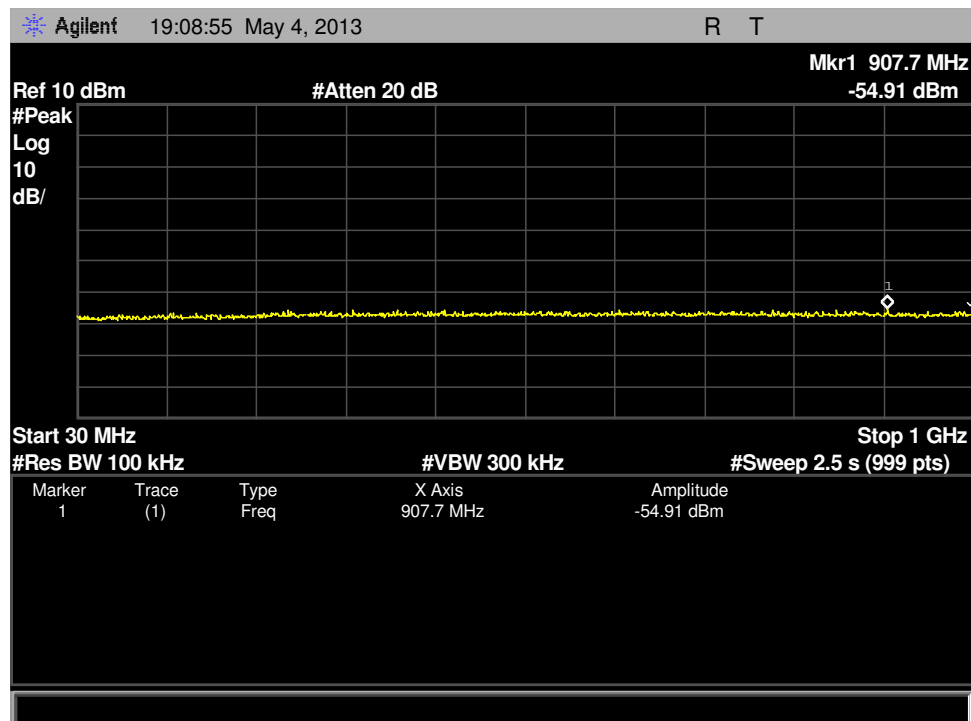
Low Channel, above 1GHz

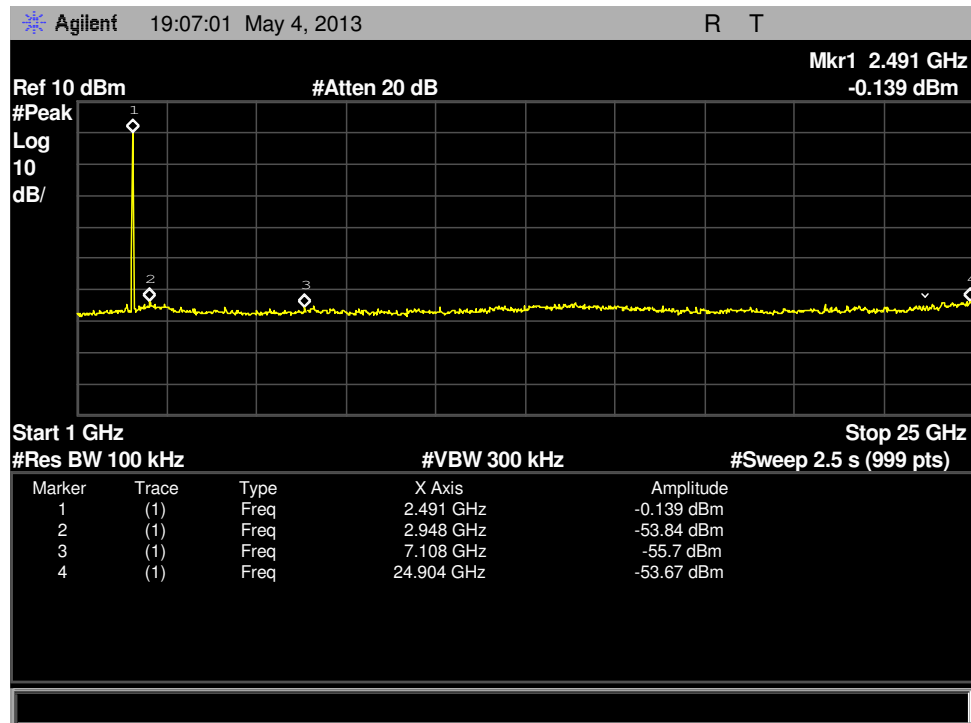
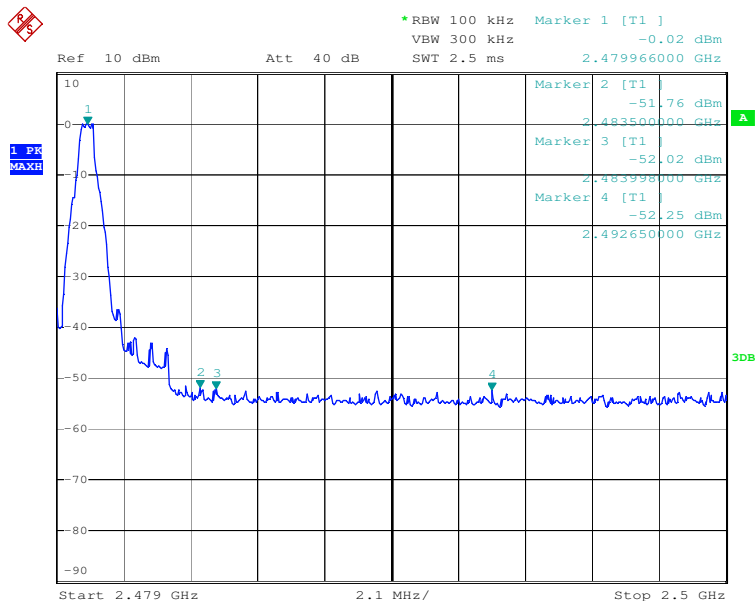


Low Channel, Band Edge


Date: 4.MAY.2013 18:38:25

Middle Channel, below 1GHz


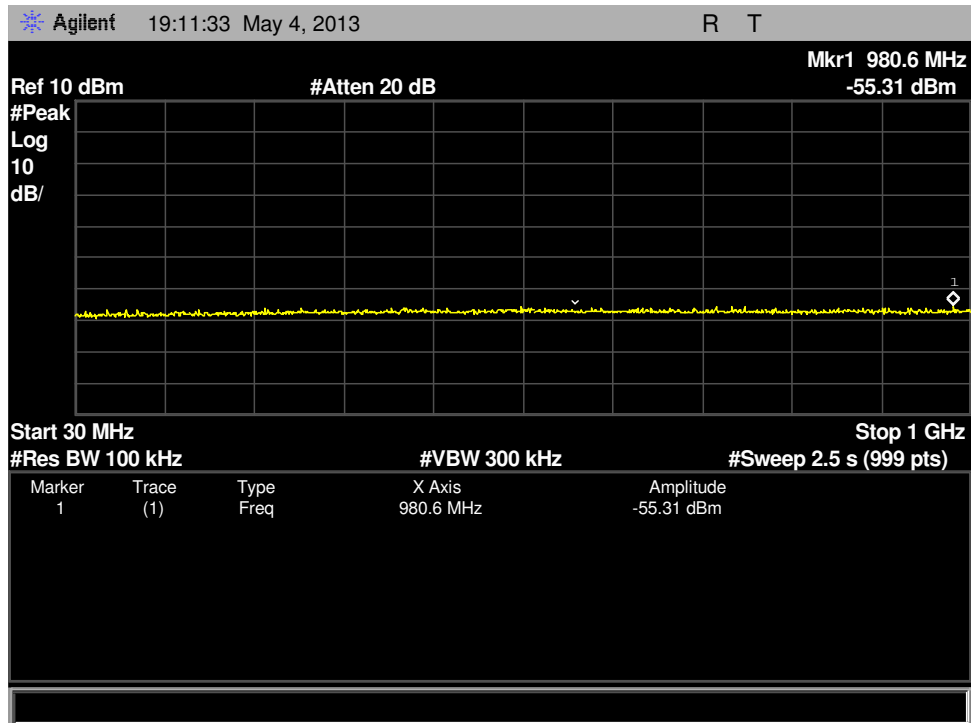
Middle Channel, above 1GHz

High Channel, below 1GHz


High Channel, above 1GHz

High Channel, Band Edge


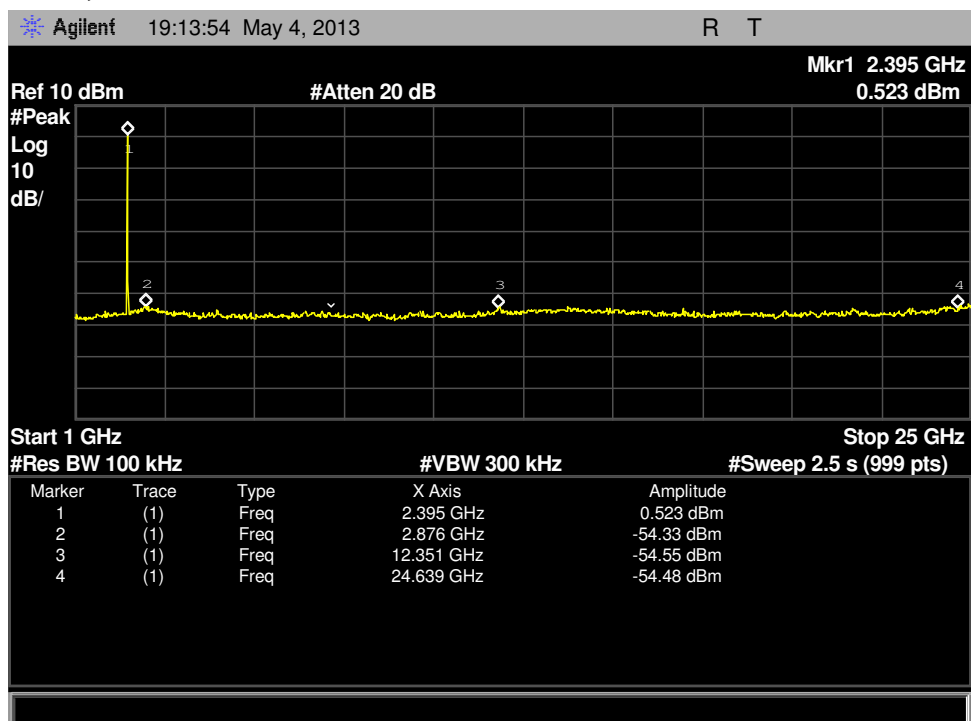
Date: 4.MAY.2013 18:40:12

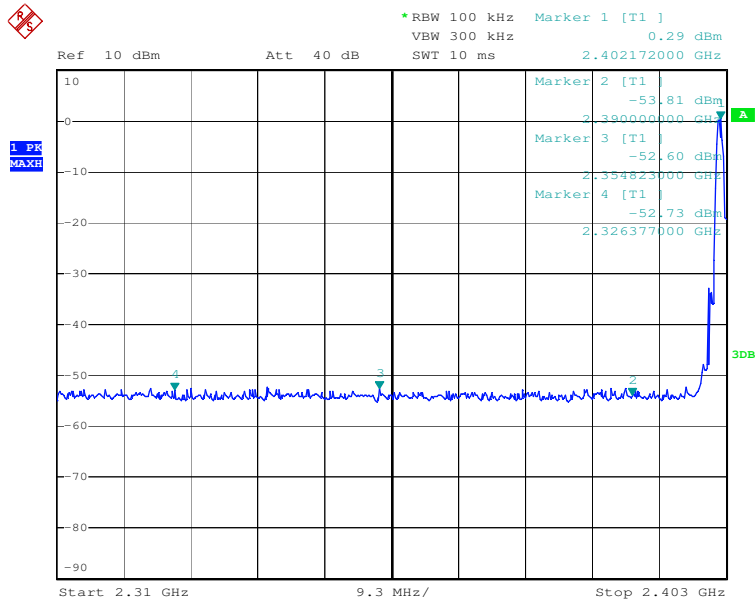
Test Plot of 100kHz Bandwidth of Frequency Band Edge, 8DPSK modulation

Low Channel, below 1GHz

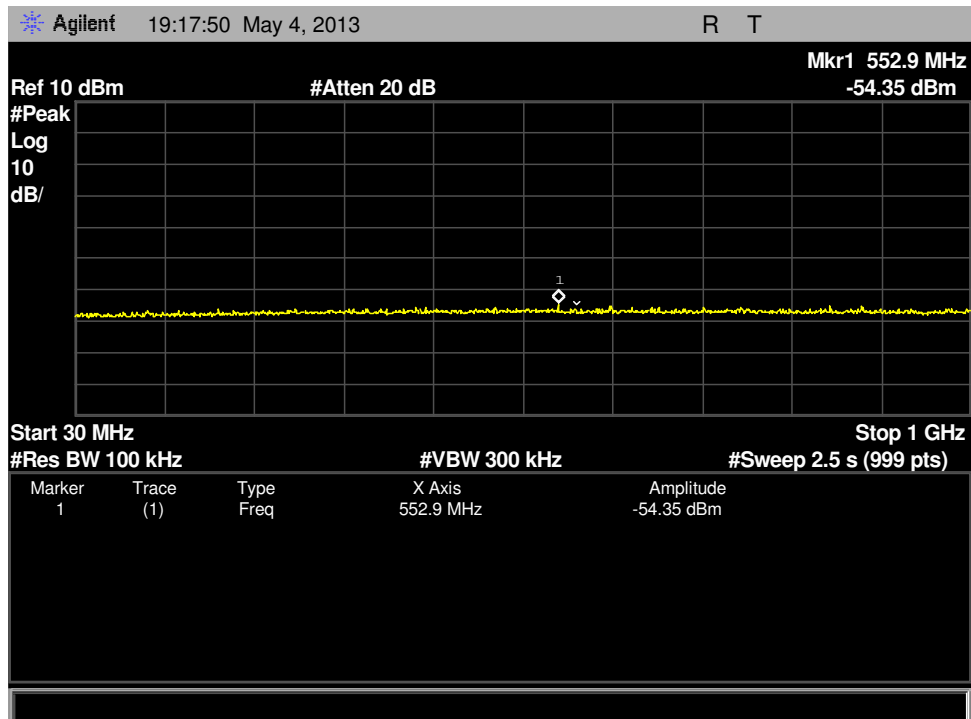


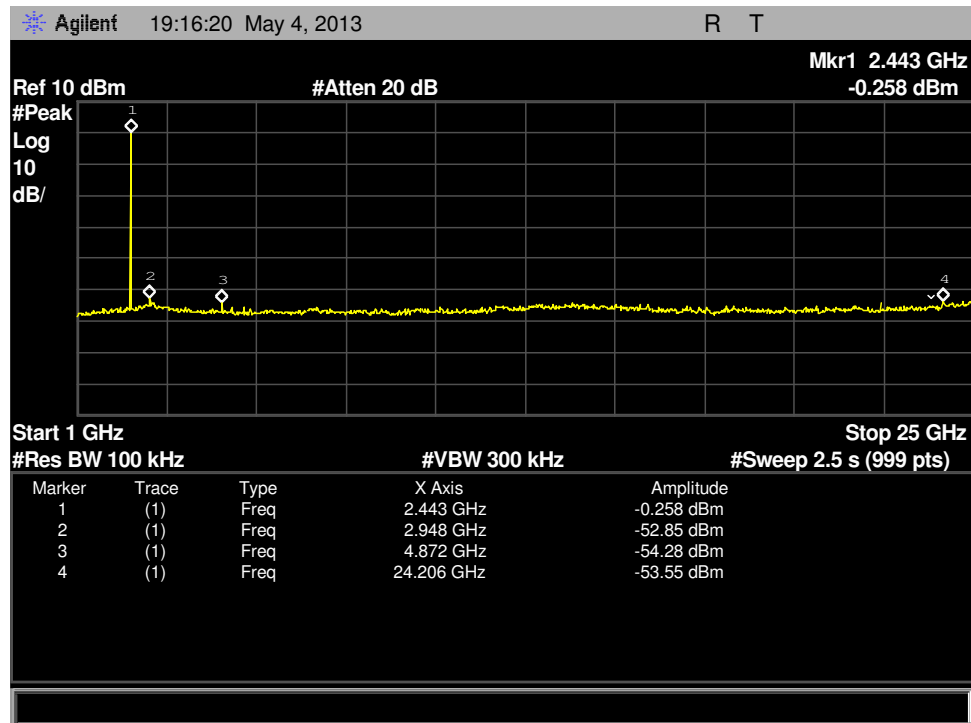
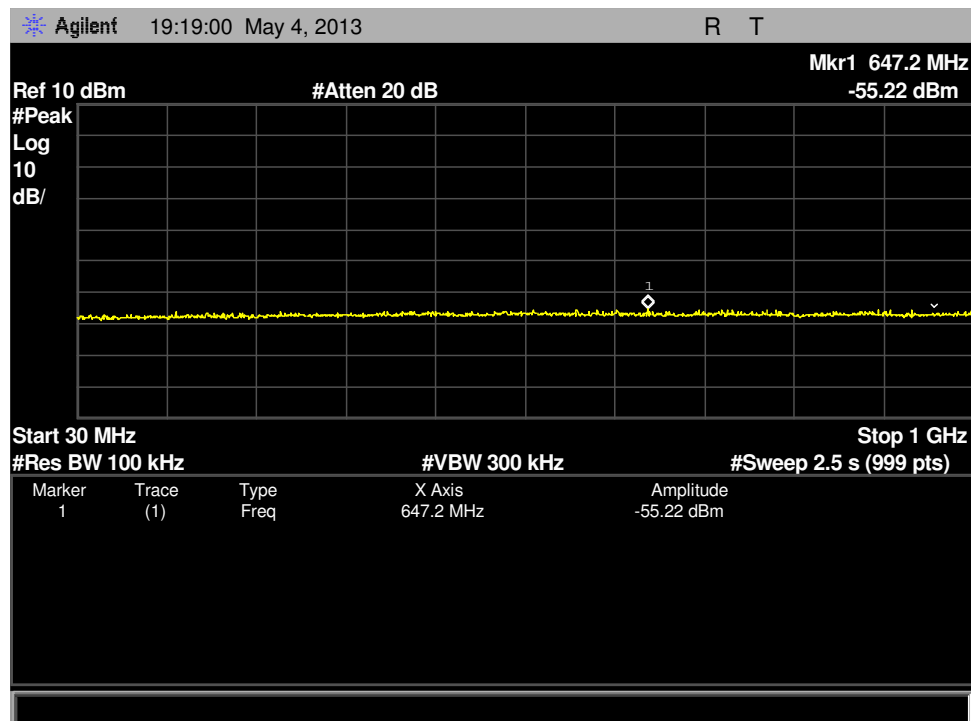
Low Channel, above 1GHz

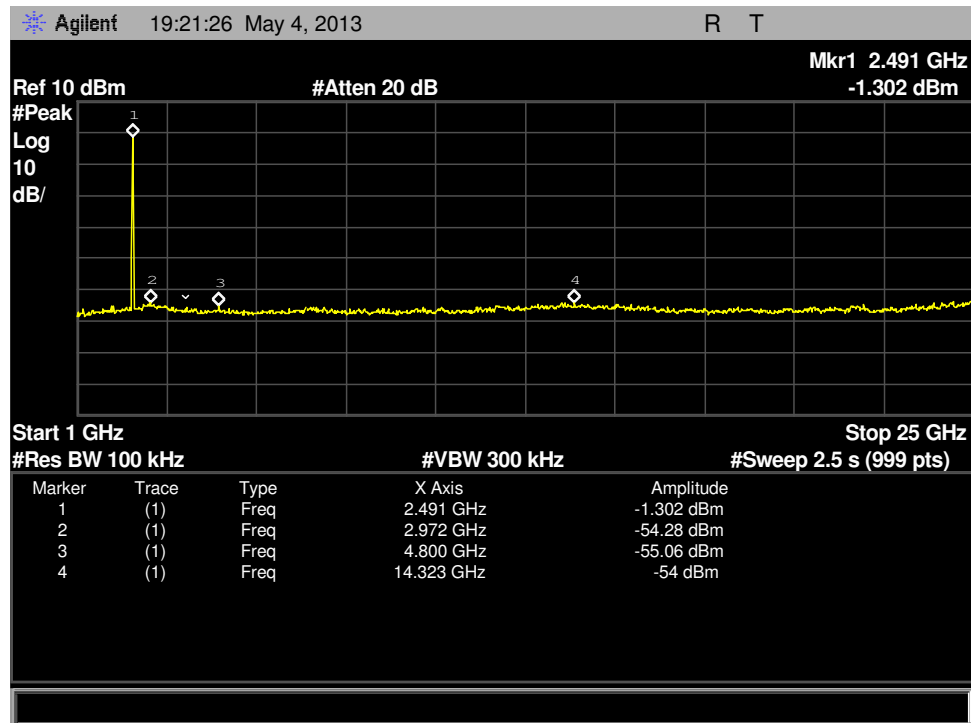
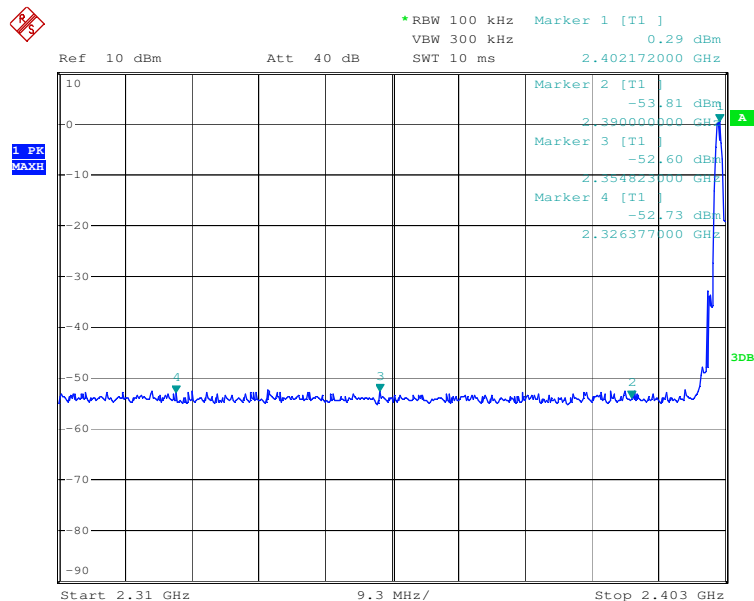


Low Channel, Band Edge


Date: 4.MAY.2013 18:46:00

Middle Channel, below 1GHz


Middle Channel, above 1GHz

High Channel, below 1GHz


High Channel, above 1GHz

High Channel, Band Edge


Date: 4.MAY.2013 18:46:00

5.1.6 Spurious Emission

RESULT:**Passed**

Date of testing	:	2013-05-05
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	:	25°C
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Remark:

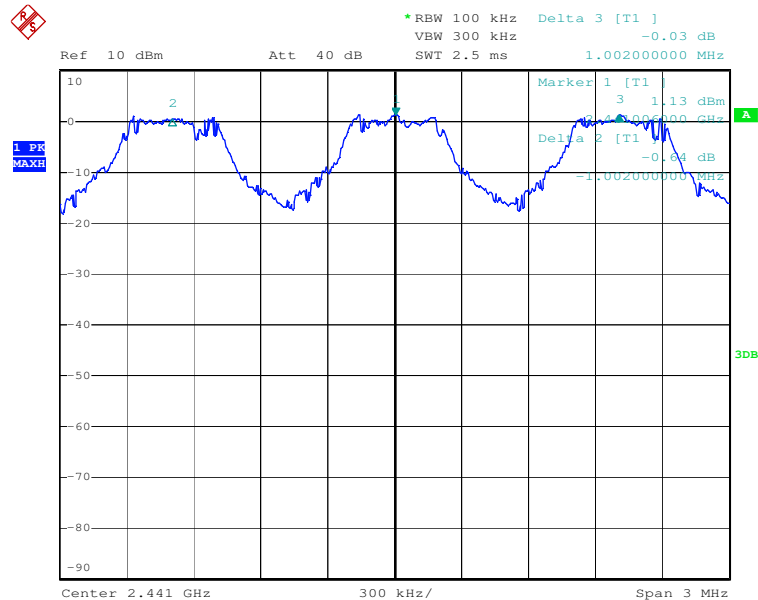
During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test setup photos.

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

For details refer to Appendix 1.

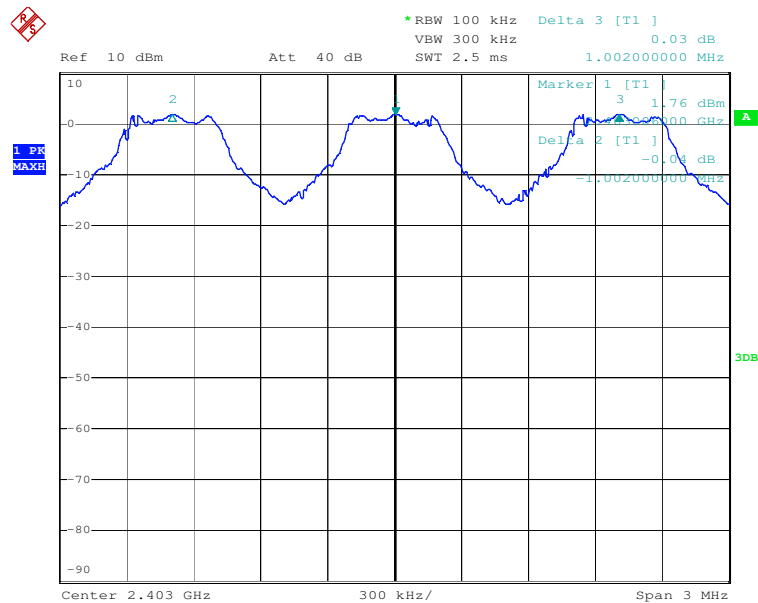
Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2480	1	≥ 25kHz or 2/3 of 20dB bandwidth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

Test Plot of Frequency Separation Low Channel



Date: 4.MAY.2013 12:00:22

Middle Channel



Date: 4.MAY.2013 12:05:44

Date: 4.MAY.2013 12:10:20

5.1.8 Number of hopping frequency**RESULT:****Passed**

Date of testing : 2013-05-04
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

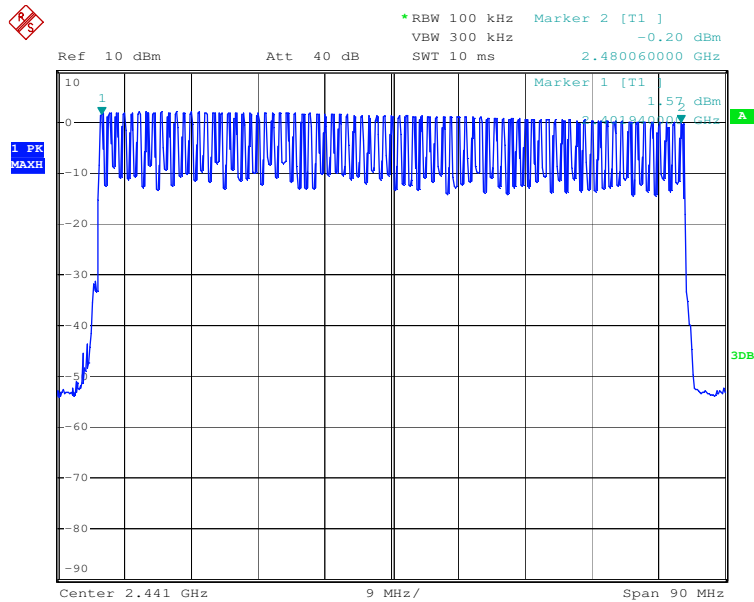
Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A
Ambient temperature : 22°C
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
<u>2400</u> to <u>2483.5</u> MHz	79	≥ 15	Pass

Test Plot of Number of hopping frequencies



Date: 4.MAY.2013 11:56:17

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	DH1	0.44	0.14	0.4	Pass
	DH3	1.72	0.28	0.4	Pass
	DH5	3.00	0.32	0.4	Pass
Mid Channel	DH1	0.44	0.14	0.4	Pass
	DH3	1.72	0.28	0.4	Pass
	DH5	2.97	0.32	0.4	Pass
High Channel	DH1	0.44	0.14	0.4	Pass
	DH3	1.72	0.28	0.4	Pass
	DH5	2.97	0.32	0.4	Pass

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

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	DH1	0.45	0.14	0.4	Pass
	DH3	1.72	0.28	0.4	Pass
	DH5	3.00	0.32	0.4	Pass
Mid Channel	DH1	0.45	0.14	0.4	Pass
	DH3	1.74	0.28	0.4	Pass
	DH5	3.00	0.32	0.4	Pass
High Channel	DH1	0.45	0.14	0.4	Pass
	DH3	1.72	0.28	0.4	Pass
	DH5	3.00	0.32	0.4	Pass

Note:

$$\text{Dwell time} = \text{Pulse width} \times (\text{Hopping rate} / \text{Number of channels}) \times \text{Period}$$
$$\text{Period} = 0.4 \text{ (seconds/ channel)} \times 79 \text{ (channel)} = 31.6 \text{ seconds}$$

5.1.10 Conducted emissions

RESULT:**Passed**

Date of testing	:	2013-05-04
Test standard	:	FCC Part 15.207(a)
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207(a)
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A, C, D, E, F
Earthing	:	Not connected
Ambient temperature	:	22°C
Relative humidity	:	52%
Atmospheric pressure	:	101 kPa

For details refer to Appendix 1.

5.1.11 Radiated Emission

RESULT:**Passed**

Date of testing	:	2013-05-04
Test standard	:	FCC Part 15 Per Section 15.109(a) Clause 5.5 of ICES-003 RSS-Gen 7.1.4
Frequency range	:	30 - 2000MHz
Classification	:	Class B
Test procedure	:	ANSI C63.4: 2003 CAN/CSA-CEI/IEC CISPR 22-02 RSS-Gen Table 5
Deviation from standard test procedure	:	None
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation mode	:	C, D, E, F
Earthing	:	Not connected

*- The EUT's highest frequency generated and used is less than 500 MHz, hence the highest scan frequency is up to 2GHz only.

Test data refer to Appendix 1.

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Passed**

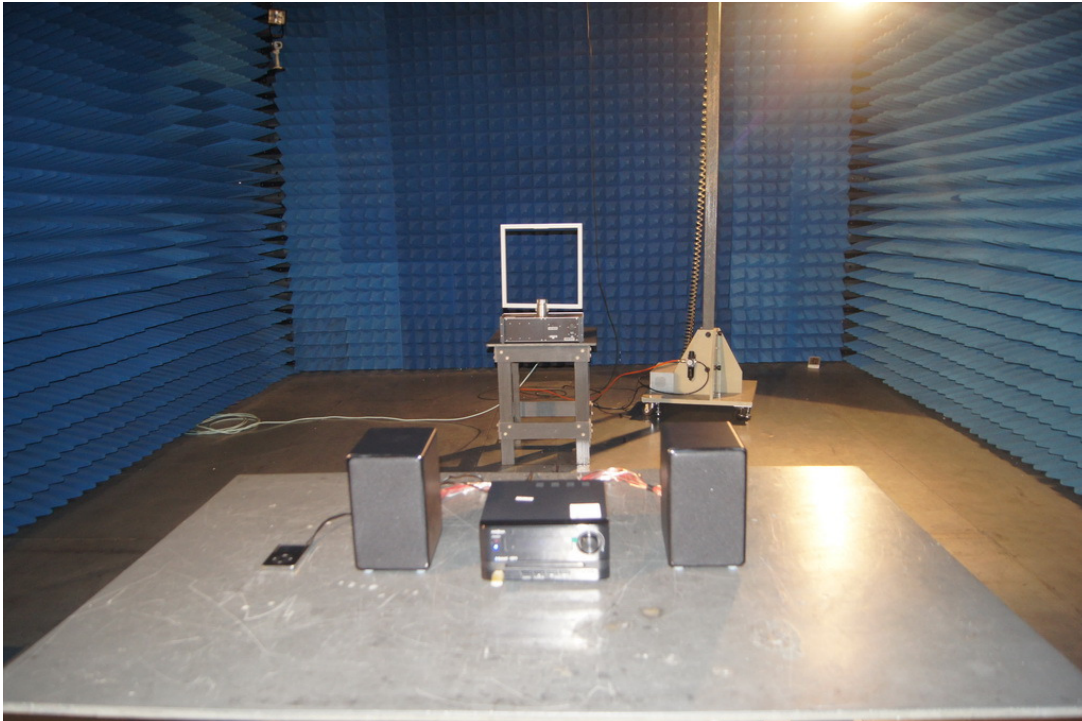
Test standard : RSS-102 Issue 4
FCC KDB Publication 447498

The maximum peak output power of the transmitter is 1.63mW 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.

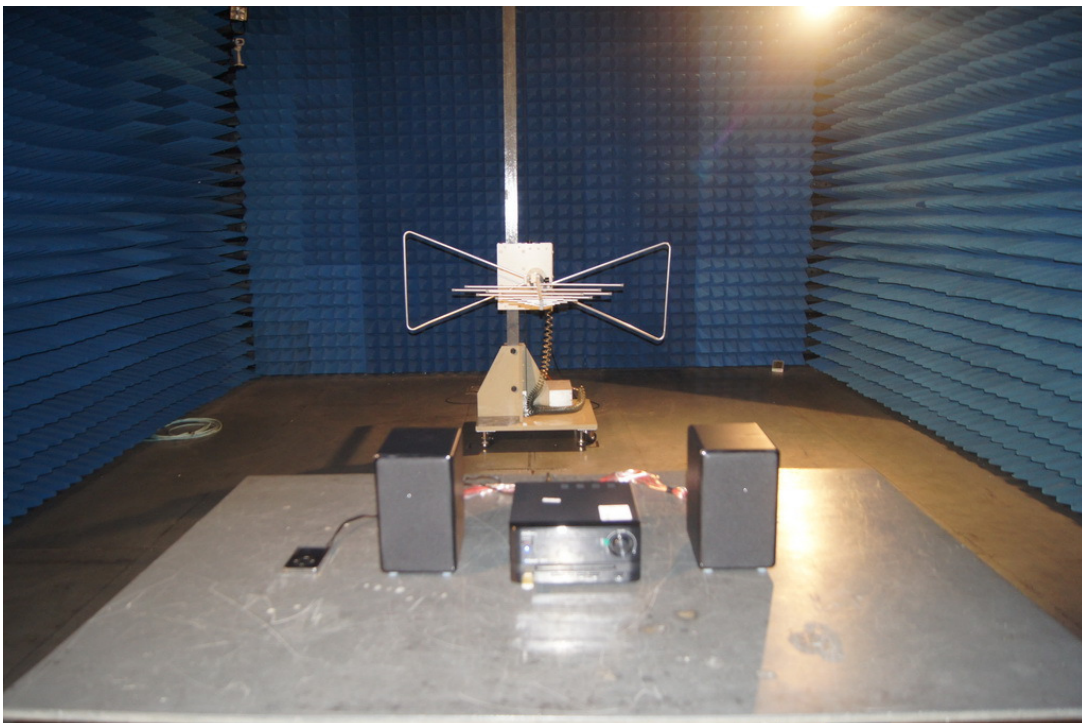
The minimum distance for the EUT is 5mm, since maximum peak output power of the transmitter is 1.63mW <10mW, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure.Guidance v05.

7. Photographs of the Test Set-Up

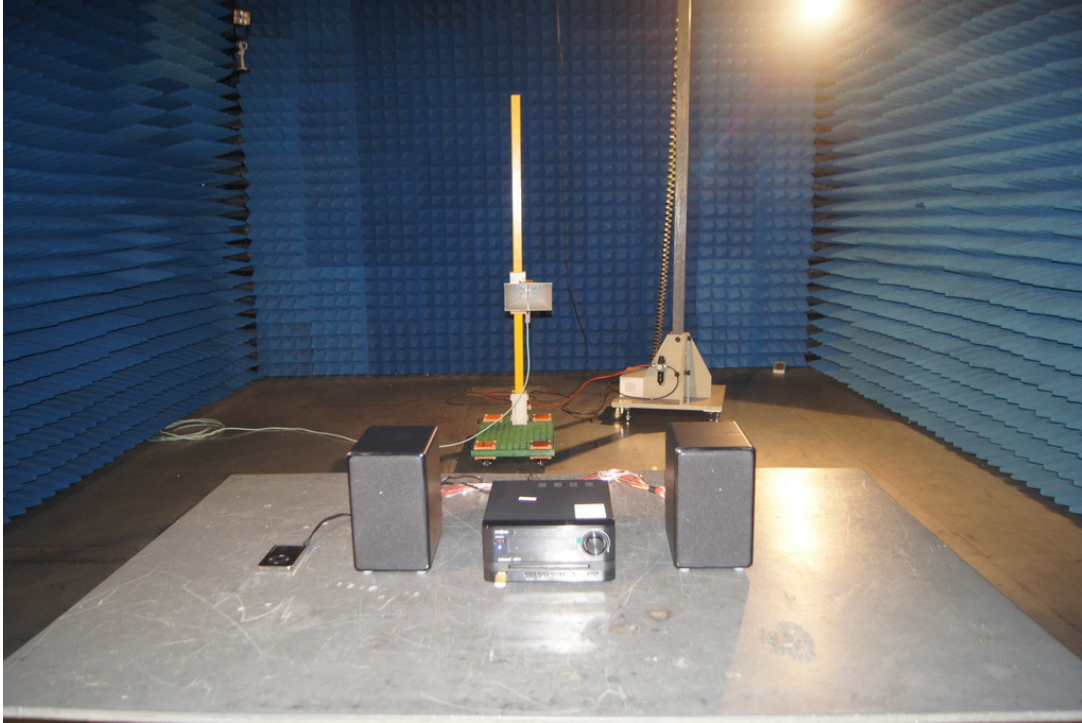
Photograph 1: Set-up for Spurious Emissions (9kHz-30MHz)



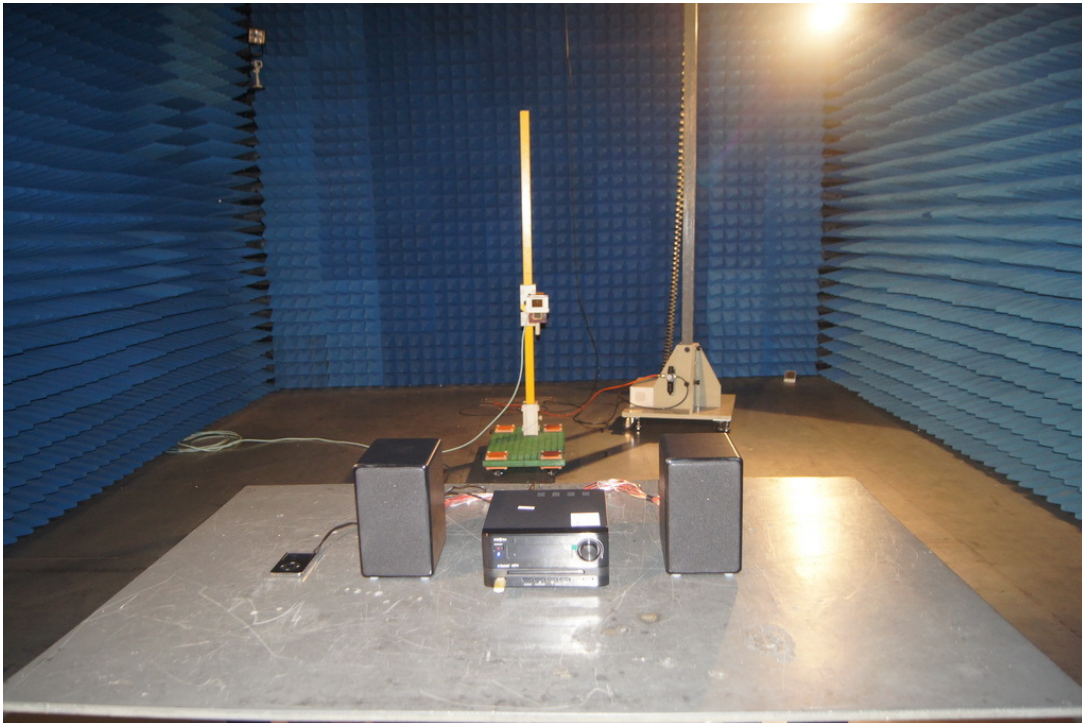
Photograph 2: Set-up for Spurious Emissions (30MHz-1GHz)



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



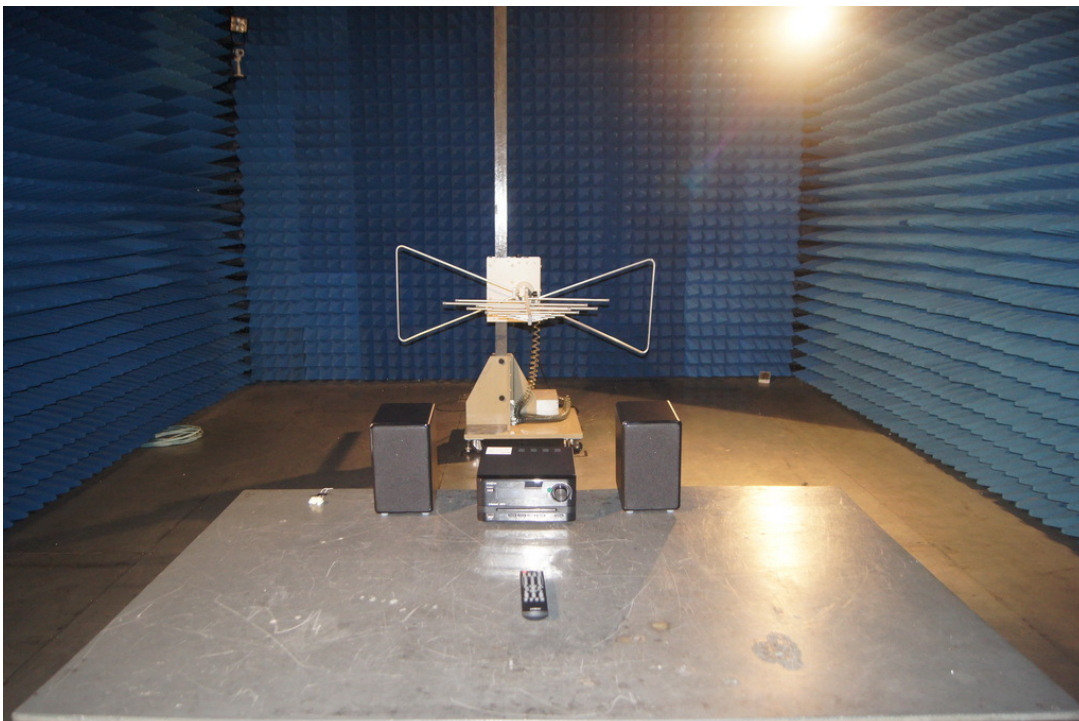
Photograph 4: Set-up for Spurious Emissions (18GHz-26GHz)



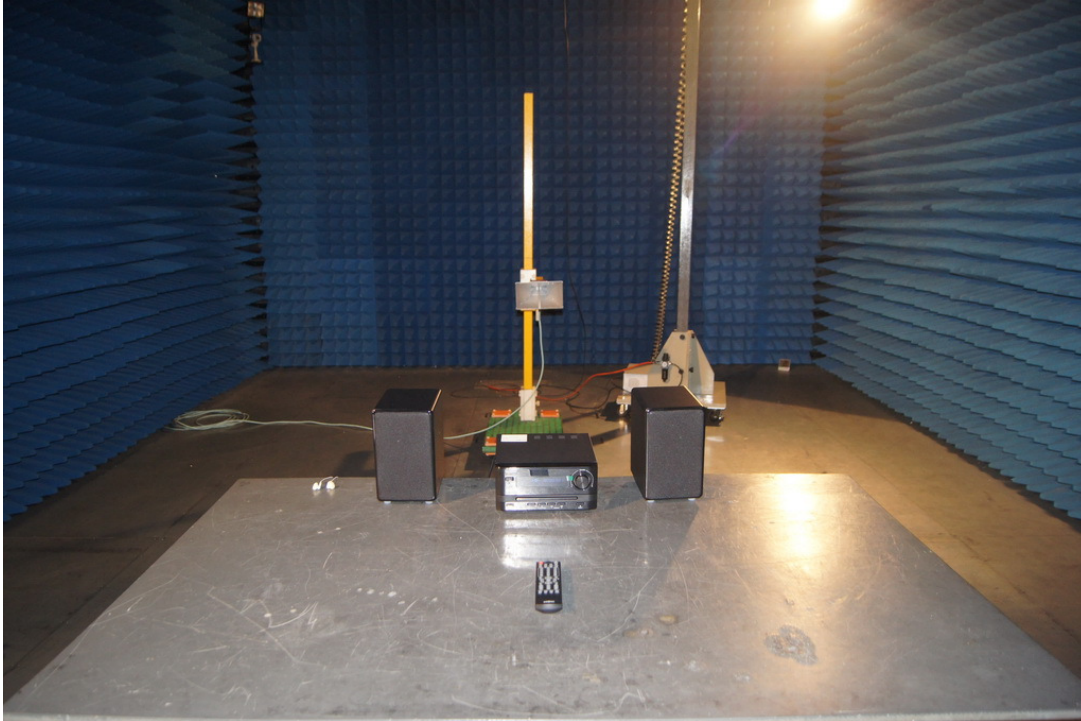
Photograph 5: Set-up for Conducted Emissions



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



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



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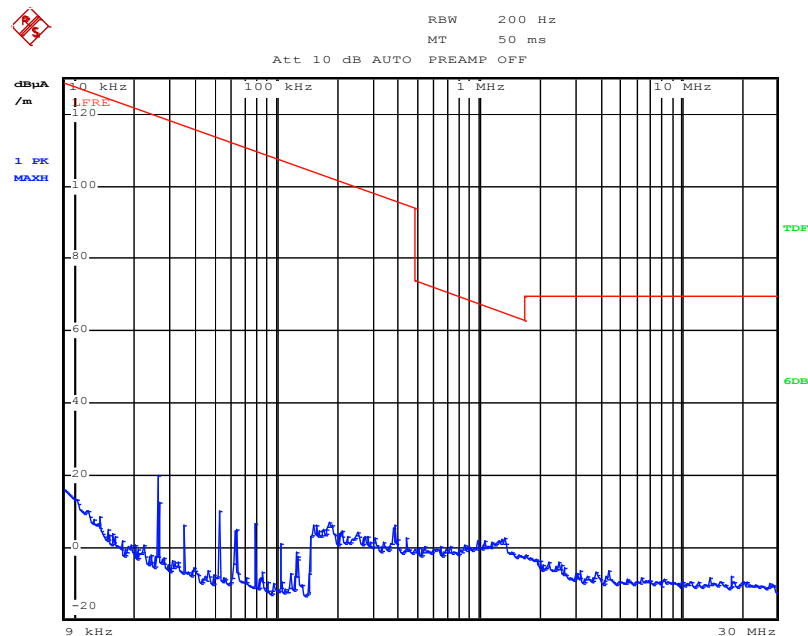
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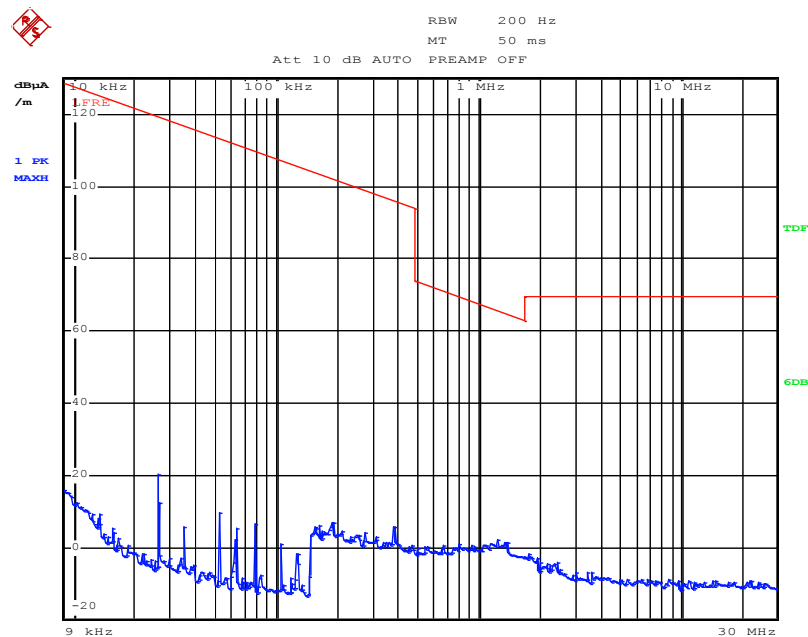
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Figure 1: Test figure of spurious emissions, mode A.1, Horizontal polarity (9kHz – 30MHz), GFSK Modulation



Date: 5.MAY.2013 19:30:02

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



Date: 5.MAY.2013 19:32:01

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



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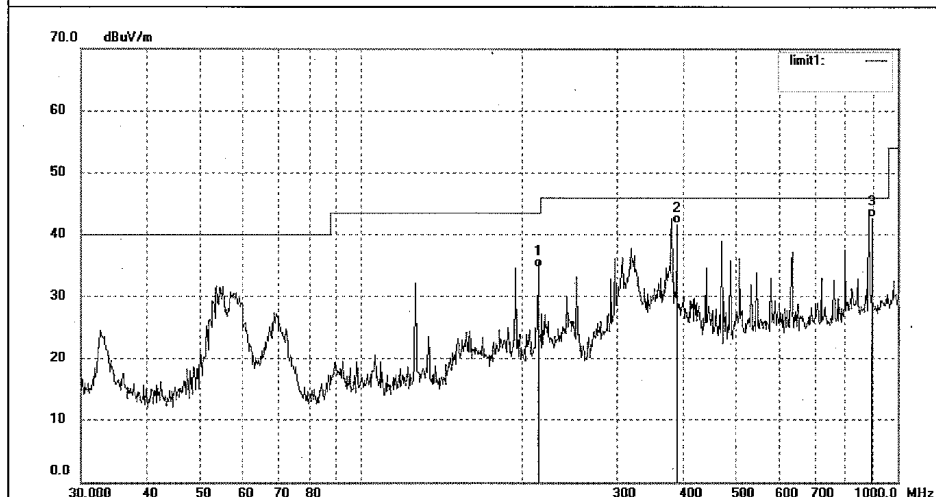
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #94	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17:52:22
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	213.7449	46.61	-11.95	34.66	43.50	-8.84	QP			
2	384.7543	48.96	-7.29	41.67	46.00	-4.33	QP			
3	897.7714	41.57	1.27	42.84	46.00	-3.16	QP			

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



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Fax:+86-0755-26503396

Job No.: YH #93

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2402MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

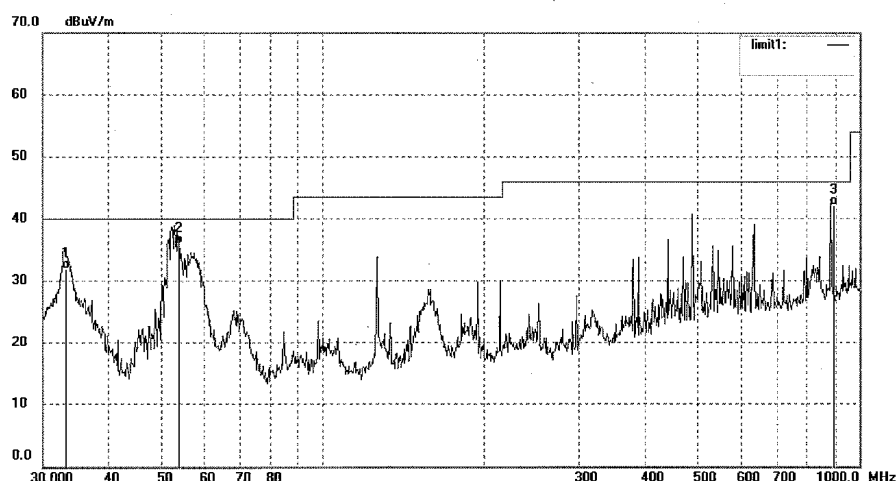
Date: 2013/05/05

Time: 17:42:29

Engineer Signature:

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	33.5432	43.19	-11.27	31.92	40.00	-8.08	QP			
2	54.1380	48.92	-12.91	36.01	40.00	-3.99	QP			
3	897.7819	40.84	1.27	42.11	46.00	-3.89	QP			

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



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #37

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2402MHz

Model: NS-SH513

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

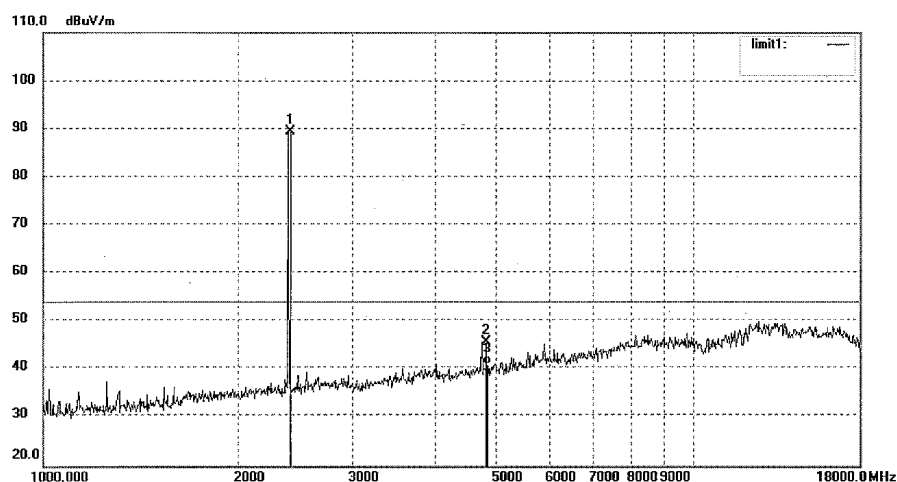
Date: 13/05/05/

Time: 9/28/05

Engineer Signature:

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	2402.000	96.93	-7.45	89.48	/	/	peak			
2	4803.985	45.96	-0.30	45.66	74.00	-28.34	peak			
3	4803.985	41.40	-0.30	41.10	54.00	-12.90	AVG			

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



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Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: YH #38

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2402MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

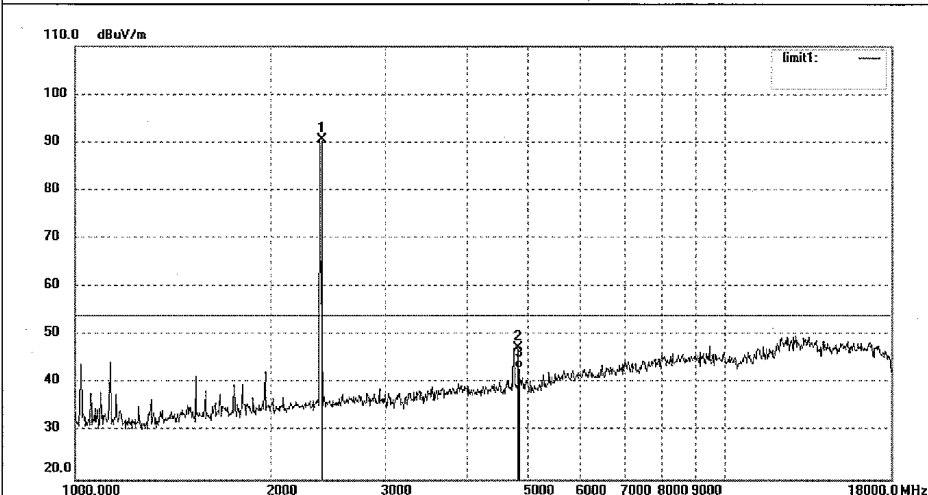
Date: 13/05/05/

Time: 9/38/45

Engineer Signature:

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	2402.000	98.03	-7.45	90.58	/	/	peak			
2	4803.974	47.74	-0.30	47.44	74.00	-26.56	peak			
3	4803.974	43.44	-0.30	43.14	54.00	-10.86	AVG			

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



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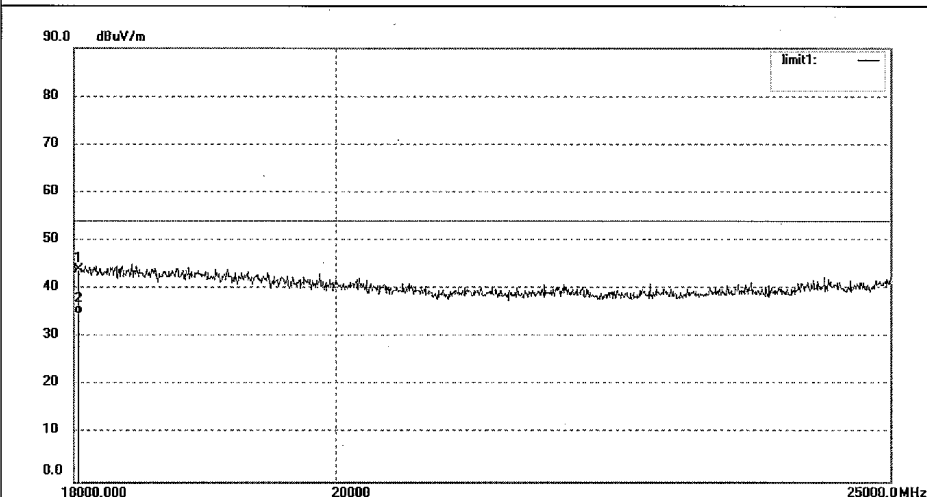
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #81	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 15:56:29
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	18041.522	27.77	16.19	43.96	74.00	-30.04	peak			
2	18041.522	18.60	16.19	34.79	54.00	-19.21	AVG			

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



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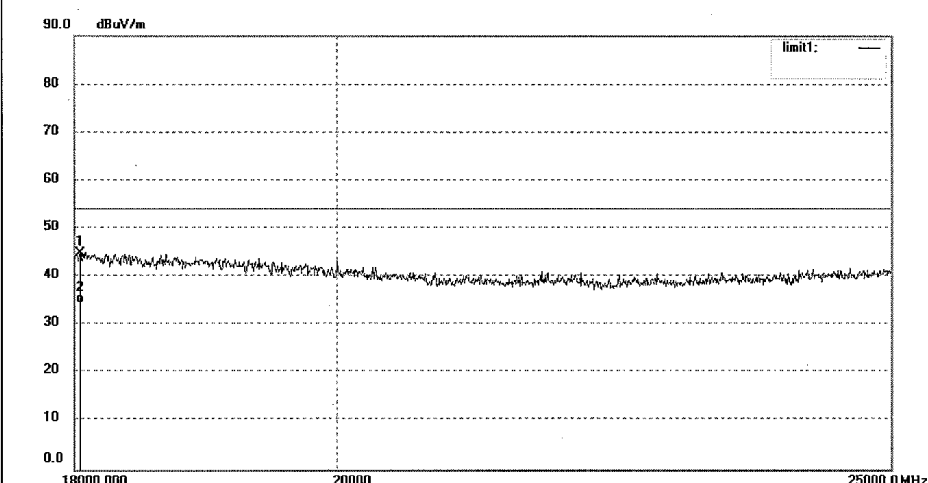
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

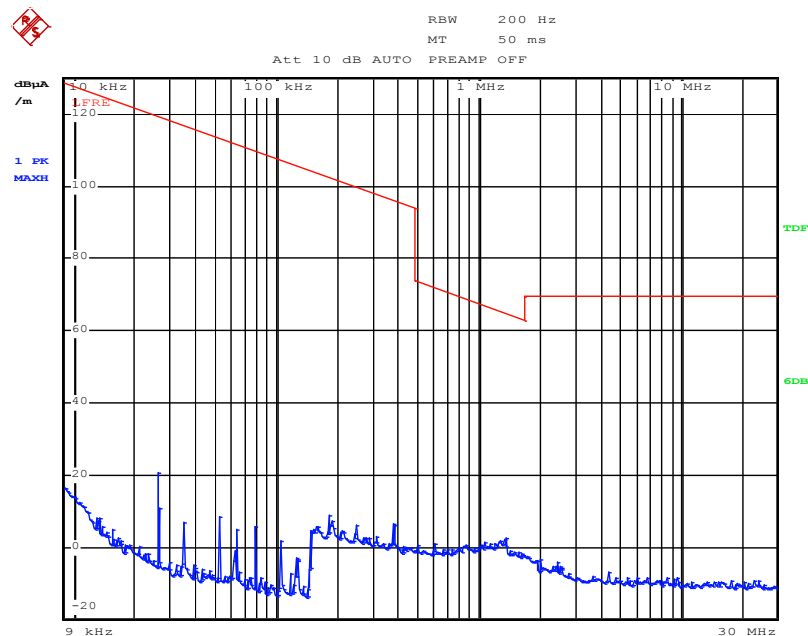
Job No.: YH #82	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 16:05:00
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note: BDR



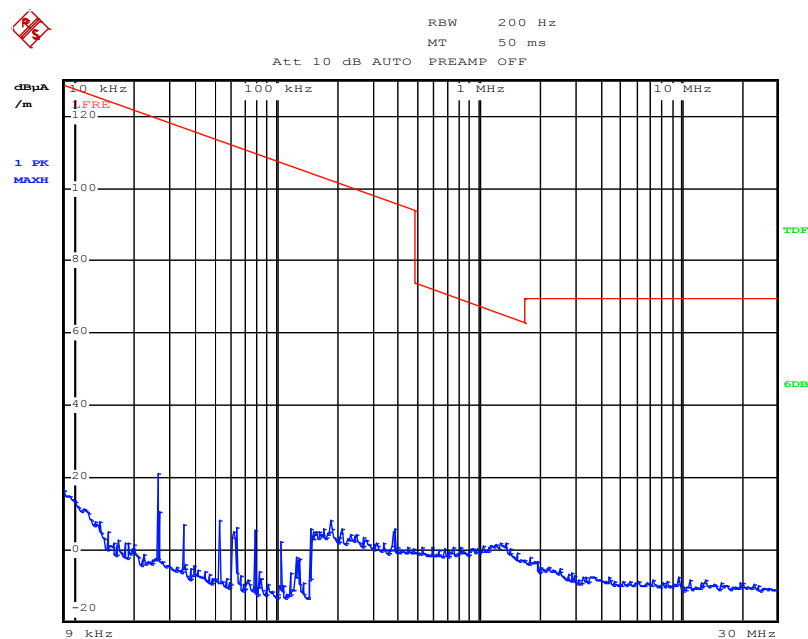
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18041.522	28.61	16.19	44.80	74.00	-29.20	peak			
2	18041.522	18.27	16.19	34.46	54.00	-19.54	AVG			

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



Date: 5.MAY.2013 19:36:07

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



Date: 5.MAY.2013 19:38:14

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



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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #95

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2441MHz

Model: NS-SH513

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

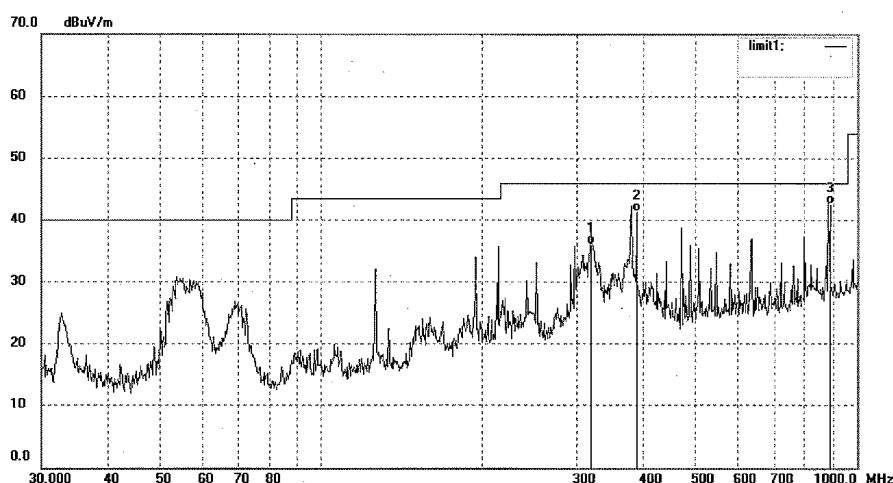
Date: 2013/05/05

Time: 18:01:00

Engineer Signature:

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	318.5962	44.85	-8.78	36.07	46.00	-9.93	QP			
2	384.7615	48.61	-7.29	41.32	46.00	-4.68	QP			
3	897.7755	41.35	1.27	42.62	46.00	-3.38	QP			

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



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #96

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2441MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

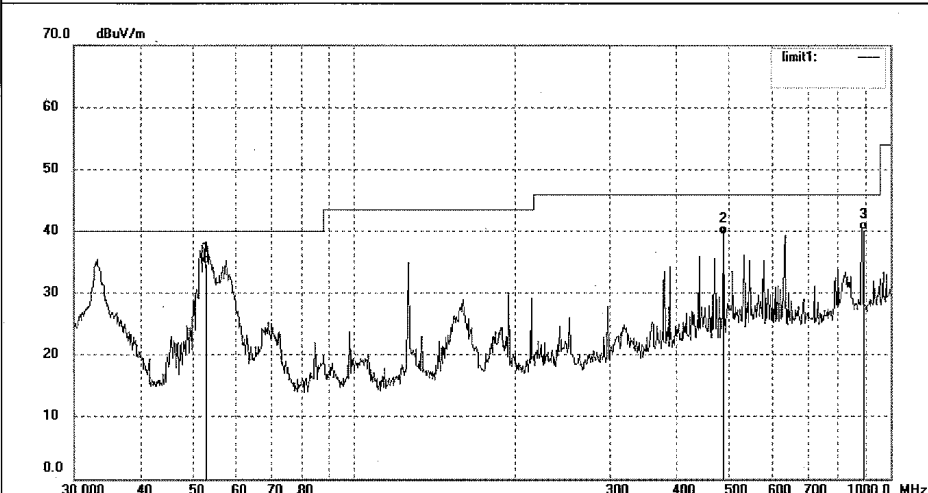
Date: 2013/05/05

Time: 18:10:23

Engineer Signature:

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	53.3615	47.58	-12.85	34.73	40.00	-5.27	QP			
2	491.4955	44.59	-5.15	39.44	46.00	-6.56	QP			
3	897.7795	38.90	1.27	40.17	46.00	-5.83	QP			

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



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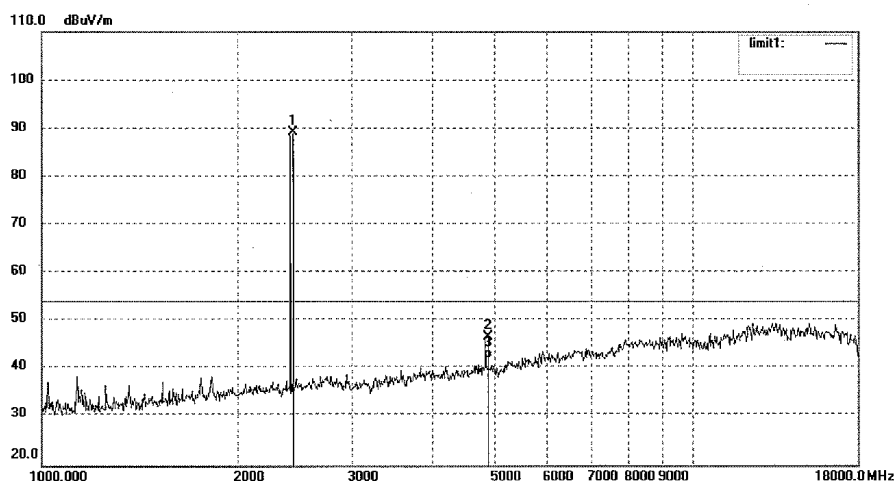
Site: 2# Chamber

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

Job No.: YH #40
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: TX 2441MHz
Model: NS-SH513
Manufacturer:

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/05/05/
Time: 9/58/00
Engineer Signature:
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	2441.000	96.57	-7.35	89.22	/	/	peak			
2	4881.973	46.55	0.14	46.69	74.00	-27.31	peak			
3	4881.973	42.09	0.14	42.23	54.00	-11.77	AVG			

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



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #39

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2441MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

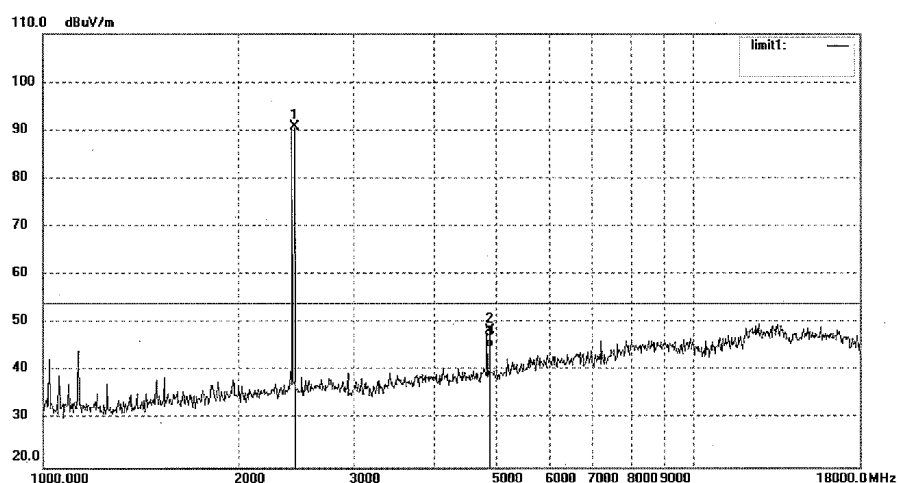
Date: 13/05/05/

Time: 9/49/41

Engineer Signature:

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	2441.000	98.03	-7.35	90.68	/	/	peak			
2	4881.969	48.35	0.14	48.49	74.00	-25.51	peak			
3	4881.969	44.74	0.14	44.88	54.00	-9.12	AVG			

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



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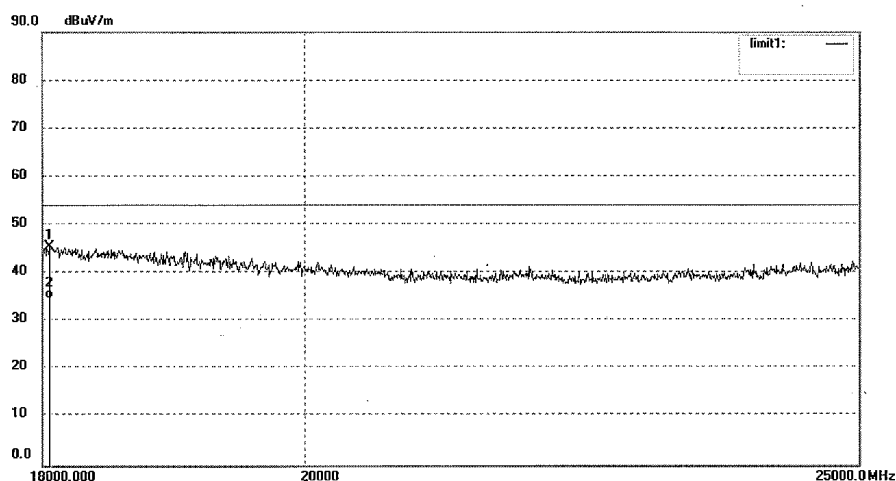
F1,Bldg A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #84	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 16:24:50
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	18047.462	29.29	16.20	45.49	74.00	-28.51	peak			
2	18047.462	18.55	16.20	34.75	54.00	-19.25	AVG			

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



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #83

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2441MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

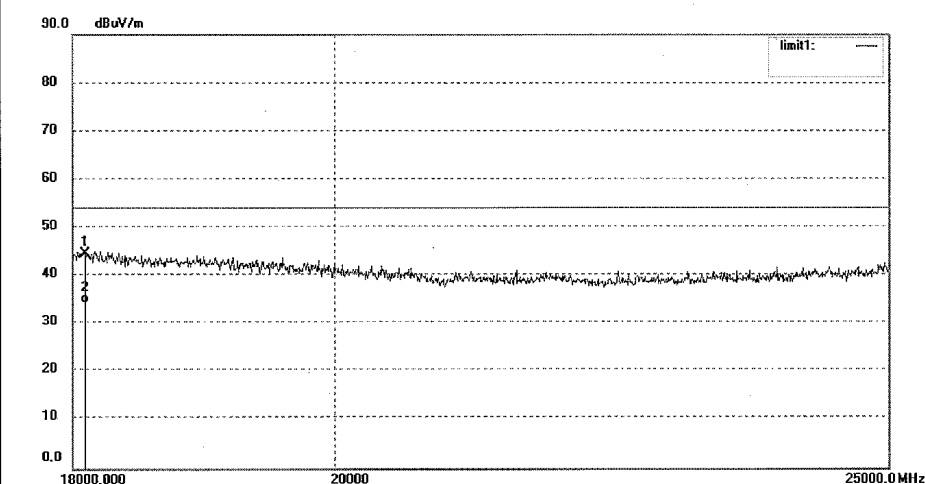
Date: 2013/05/05

Time: 16:14:11

Engineer Signature:

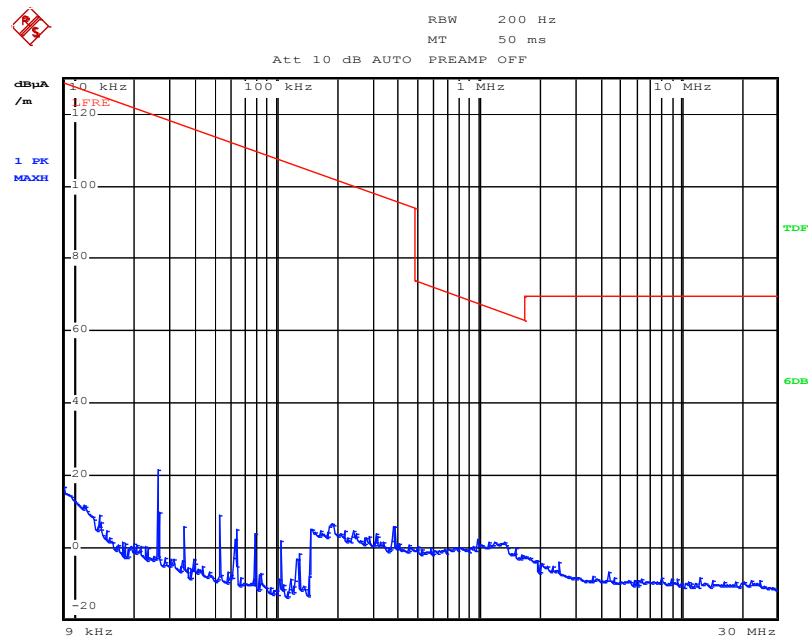
Distance: 3m

Note: BDR



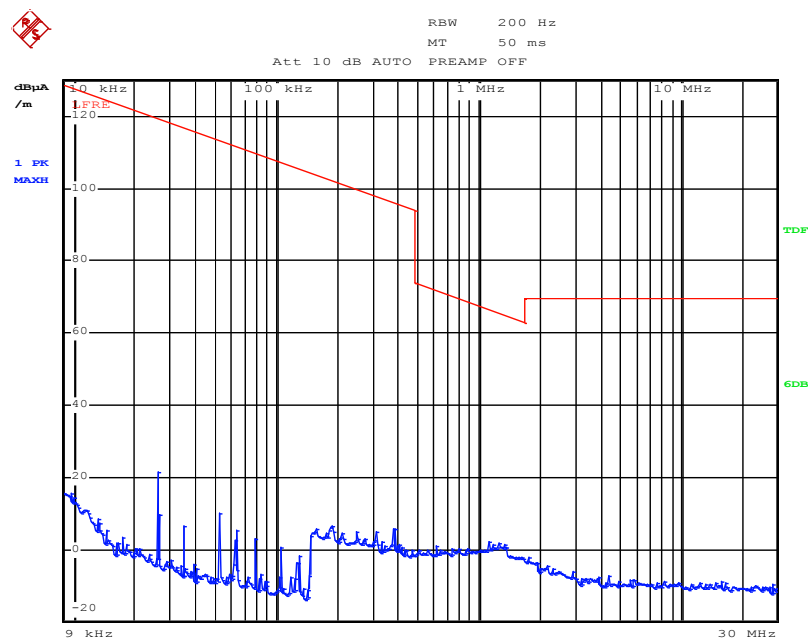
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18089.094	28.43	16.30	44.73	74.00	-29.27	peak			
2	18089.094	18.09	16.30	34.39	54.00	-19.61	AVG			

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



Date: 5.MAY.2013 19:42:25

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



Date: 5.MAY.2013 19:44:53

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



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Site: 2# Chamber

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

Job No.: YH #98

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2480MHz

Model: NS-SH513

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

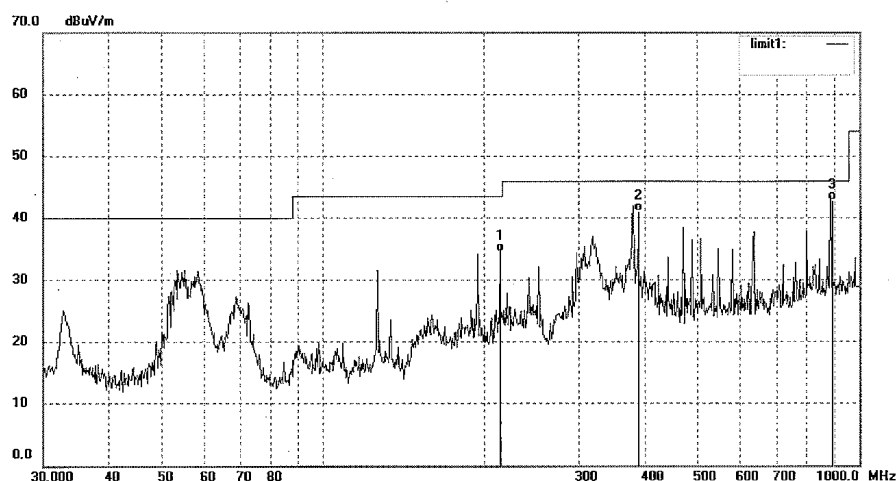
Date: 2013/05/05

Time: 18:28:10

Engineer Signature:

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	213.7720	46.58	-11.95	34.63	43.50	-8.87	QP			
2	384.7635	48.27	-7.29	40.98	46.00	-5.02	QP			
3	897.7705	41.59	1.27	42.86	46.00	-3.14	QP			

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



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #97

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2480MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

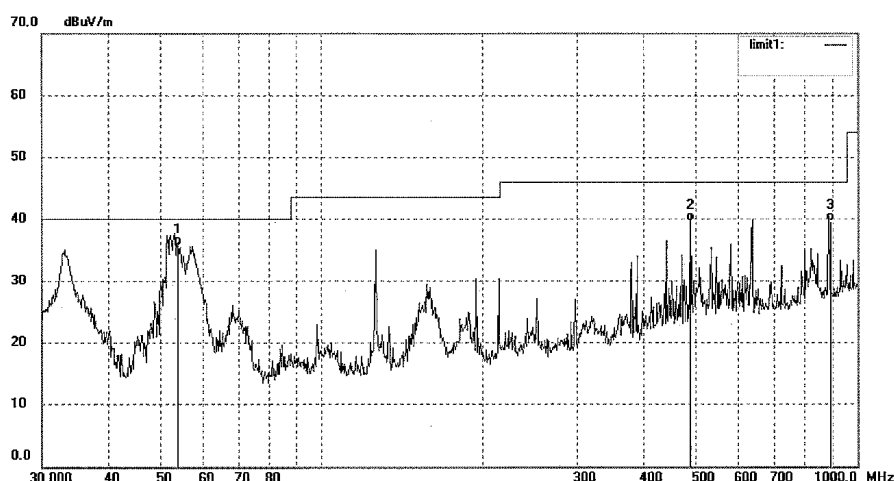
Date: 2013/05/05

Time: 18:19:48

Engineer Signature:

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	54.1321	48.65	-12.91	35.74	40.00	-4.26	QP			
2	491.5201	44.87	-5.15	39.72	46.00	-6.28	QP			
3	897.7853	38.37	1.27	39.64	46.00	-6.36	QP			

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



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Site: 2# Chamber

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

Job No.: YH #41

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2480MHz

Model: NS-SH513

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

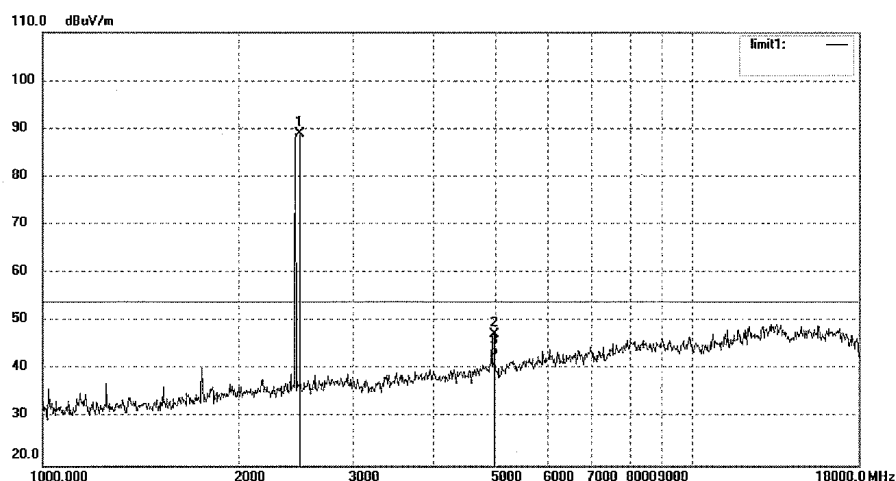
Date: 13/05/05/

Time: 10/06/42

Engineer Signature:

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	2480.000	96.41	-7.37	89.04	/	/	peak			
2	4959.955	46.85	0.52	47.37	74.00	-26.63	peak			
3	4959.955	42.36	0.52	42.88	54.00	-11.12	AVG			

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



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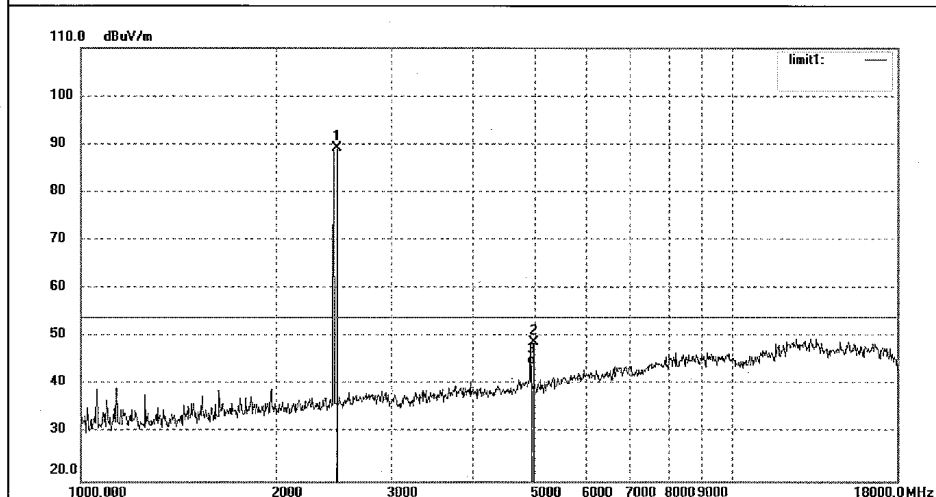
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #43	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/05/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/15/45
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	2480.000	96.47	-7.37	89.10	/	/	peak			
2	4959.977	48.34	0.52	48.86	74.00	-25.14	peak			
3	4959.977	43.65	0.52	44.17	54.00	-9.83	AVG			

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



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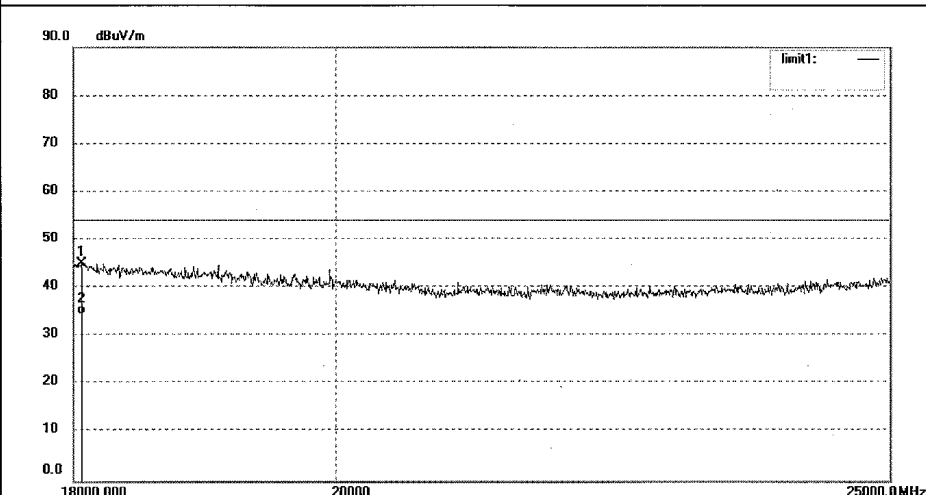
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #85	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 16:33:09
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	18059.347	28.91	16.23	45.14	74.00	-28.86	peak			
2	18059.347	18.42	16.23	34.65	54.00	-19.35	AVG			

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



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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #86

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2480MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

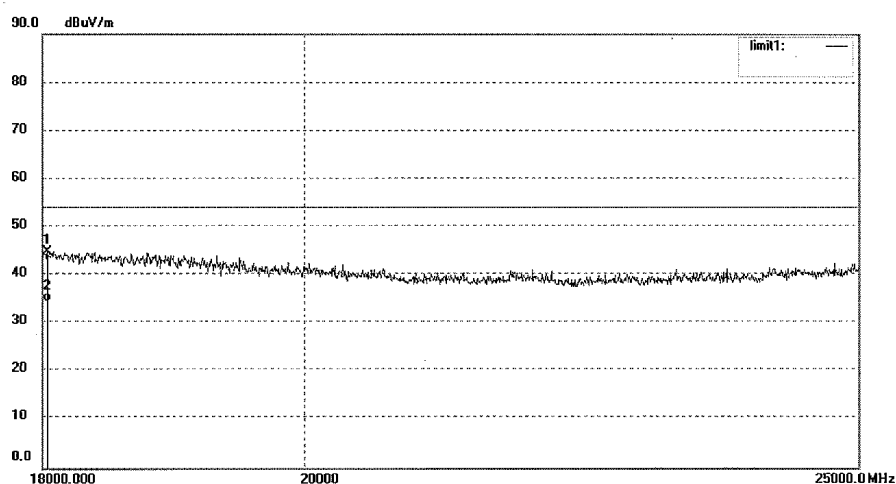
Date: 2013/05/05

Time: 16:41:12

Engineer Signature:

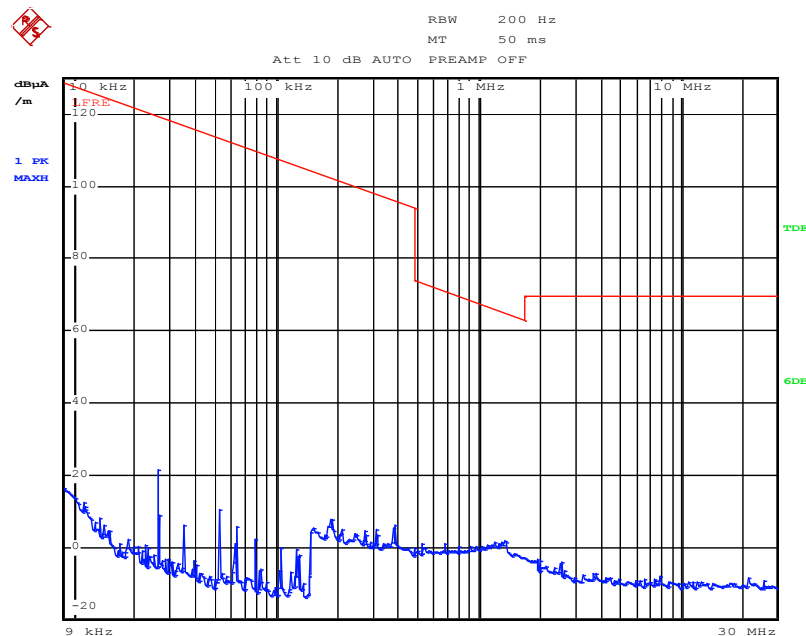
Distance: 3m

Note: BDR



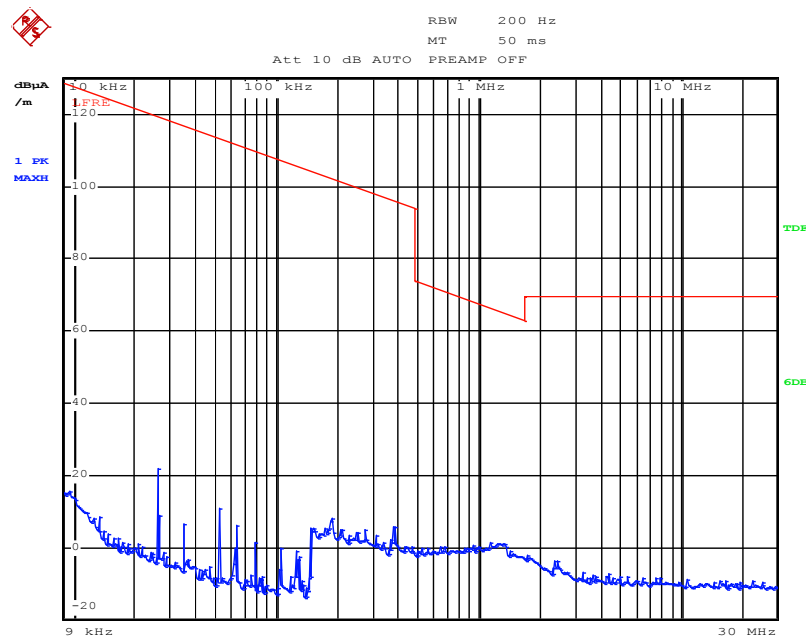
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18035.585	28.60	16.18	44.78	74.00	-29.22	peak			
2	18035.585	18.43	16.18	34.61	54.00	-19.39	AVG			

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



Date: 5.MAY.2013 19:48:48

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



Date: 5.MAY.2013 19:50:59

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



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #99

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2402MHz

Model: NS-SH513

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

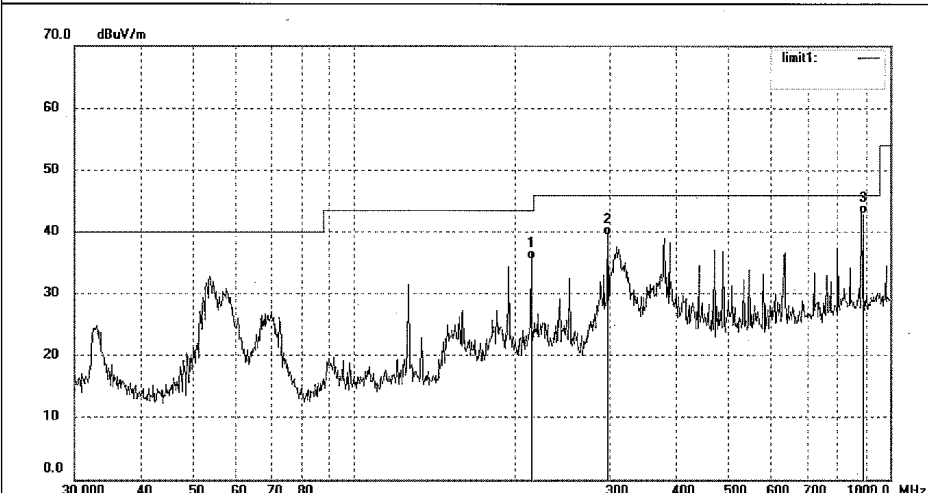
Date: 2013/05/05

Time: 18:36:30

Engineer Signature:

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	213.7659	47.59	-11.95	35.64	43.50	-7.86	QP			
2	299.2565	48.79	-9.30	39.49	46.00	-6.51	QP			
3	897.7853	41.72	1.27	42.99	46.00	-3.01	QP			

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



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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #100

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2402MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

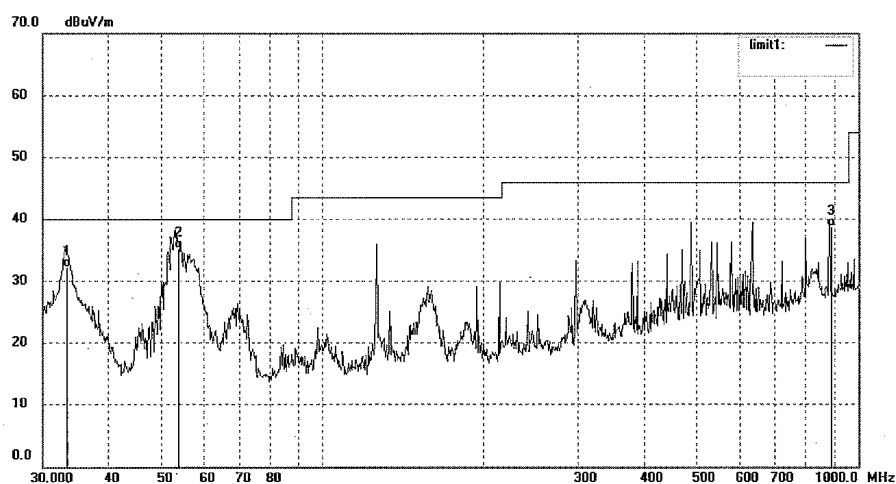
Date: 2013/05/05

Time: 18:47:08

Engineer Signature:

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	33.6271	43.52	-11.28	32.24	40.00	-7.76	QP			
2	54.1921	48.16	-12.92	35.24	40.00	-4.76	QP			
3	897.7803	37.49	1.27	38.76	46.00	-7.24	QP			

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



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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #49

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2402MHz

Model: NS-SH513

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

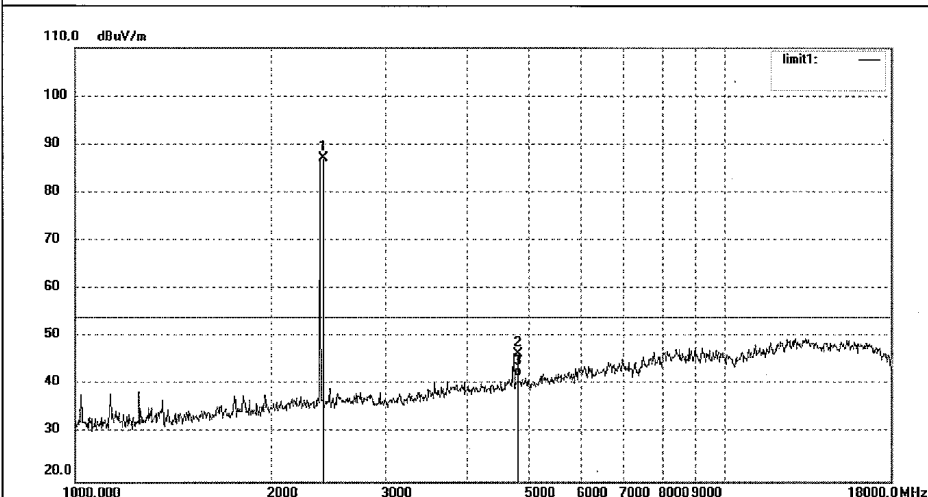
Date: 13/05/05/

Time: 11/13/21

Engineer Signature:

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	2402.000	94.66	-7.45	87.21	/	/	peak			
2	4803.969	46.65	-0.30	46.35	74.00	-27.65	peak			
3	4803.969	42.10	-0.30	41.80	54.00	-12.20	AVG			

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



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

Site: 2# Chamber

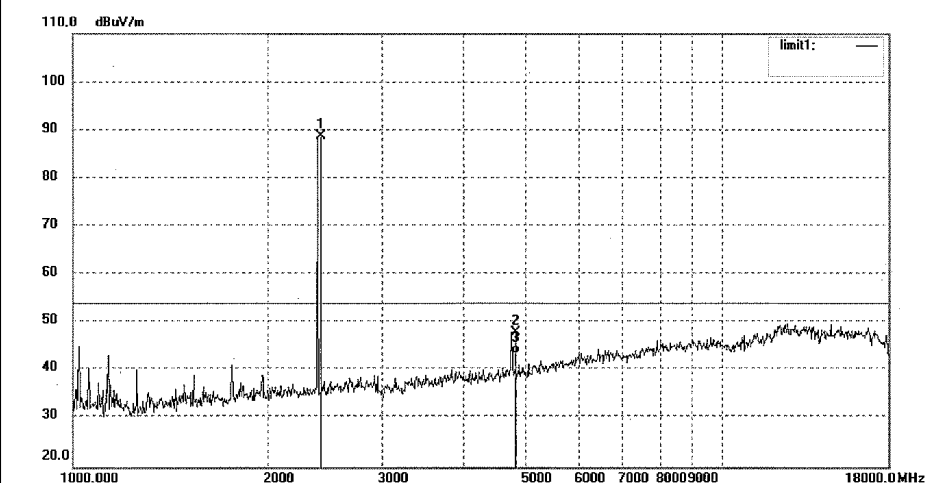
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #48
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: TX 2402MHz
Model: NS-SH513
Manufacturer:

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/05/05/
Time: 11/03/05
Engineer Signature:
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	2402.000	96.28	-7.45	88.83	/	/	peak			
2	4803.985	48.25	-0.30	47.95	74.00	-26.05	peak			
3	4803.985	43.78	-0.30	43.48	54.00	-10.52	AVG			

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



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

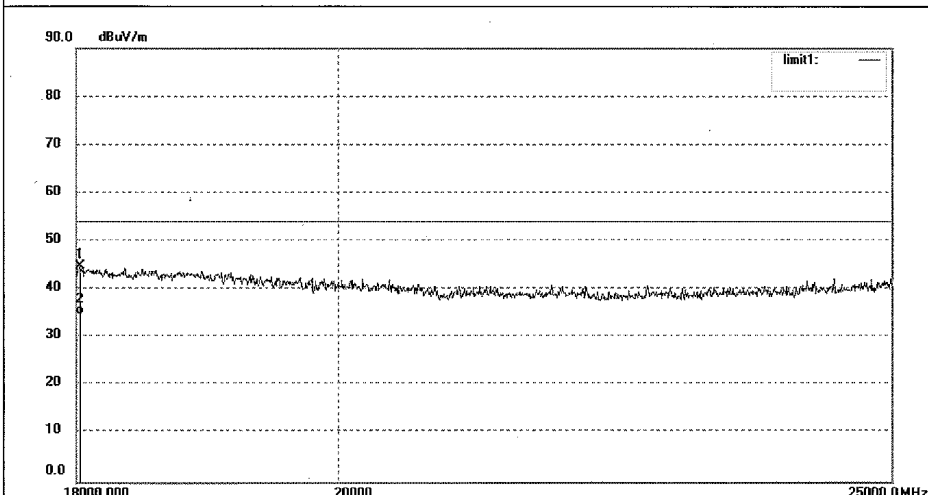
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #88	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 16:58:15
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	18023.715	28.77	16.15	44.92	74.00	-29.08	peak			
2	18023.715	18.68	16.15	34.83	54.00	-19.17	AVG			

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



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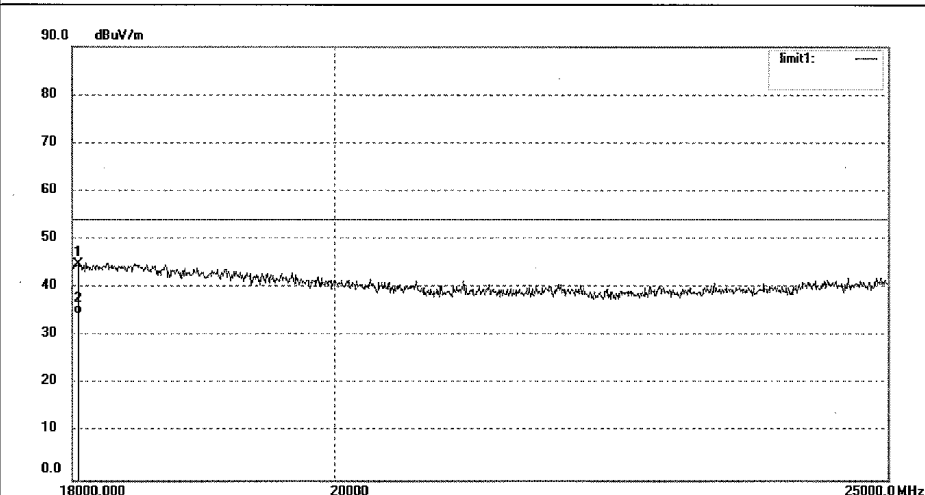
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

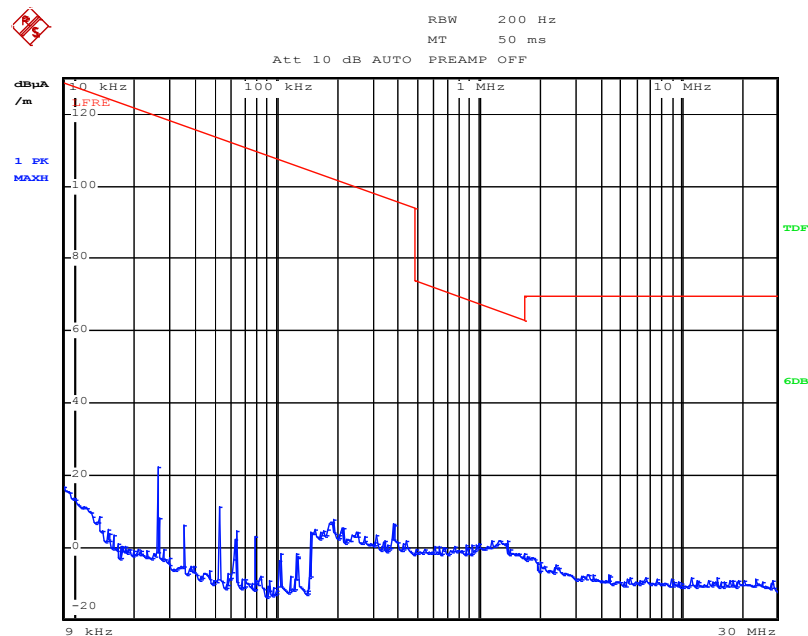
Job No.: YH #87	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 16:50:47
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note: EDR



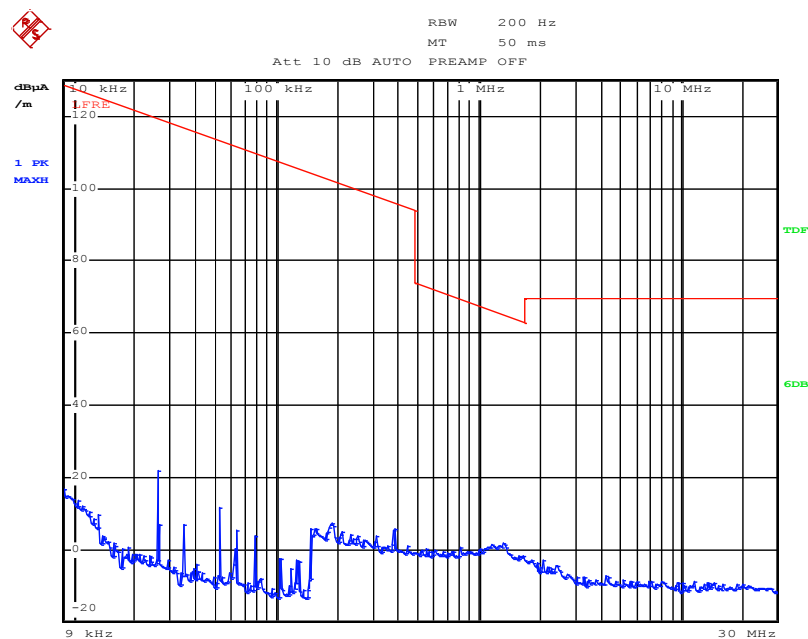
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18041.522	28.65	16.19	44.84	74.00	-29.16	peak			
2	18041.522	18.29	16.19	34.48	54.00	-19.52	AVG			

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



Date: 5.MAY.2013 19:55:28

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



Date: 5.MAY.2013 19:57:29

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



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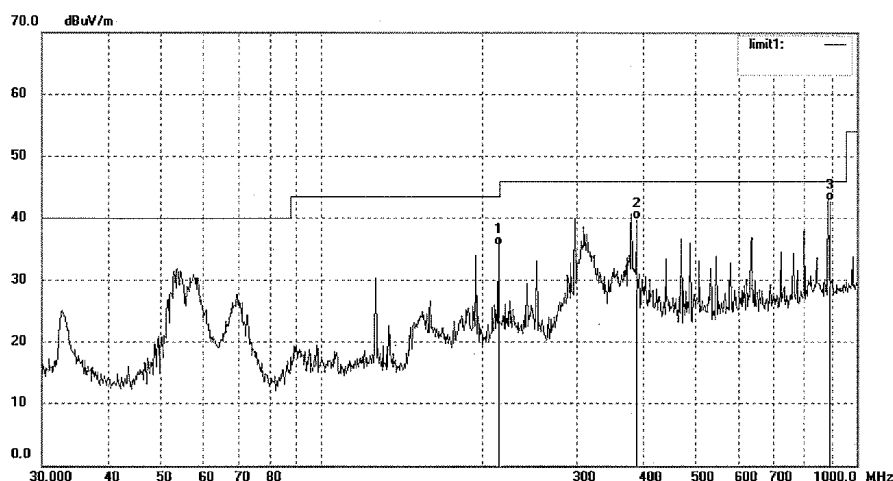
Site: 2# Chamber

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

Job No.: YH #102
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: TX 2441MHz
Model: NS-SH513
Manufacturer:

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/05/05
Time: 19:06:23
Engineer Signature:
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	213.7680	47.61	-11.95	35.66	43.50	-7.84	QP			
2	384.7550	47.06	-7.29	39.77	46.00	-6.23	QP			
3	897.7804	41.43	1.27	42.70	46.00	-3.30	QP			

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



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #101

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2441MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

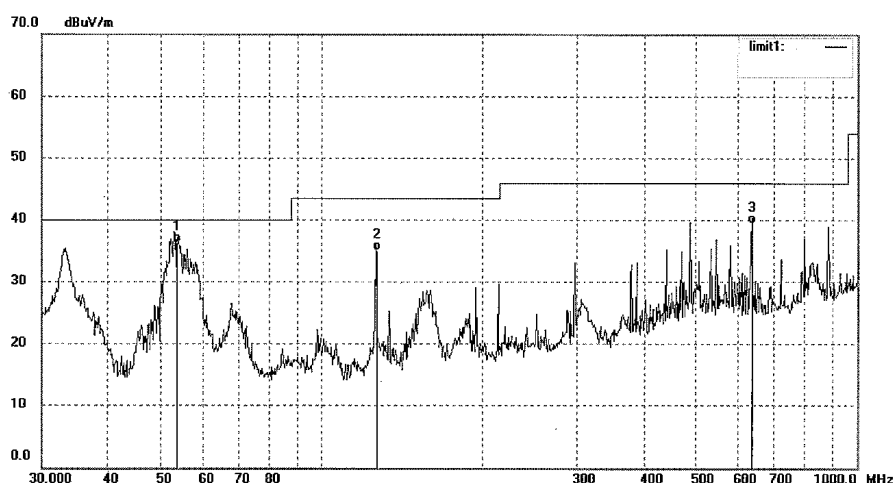
Date: 2013/05/05

Time: 18:58:42

Engineer Signature:

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	54.1310	49.16	-12.91	36.25	40.00	-3.75	QP			
2	128.2486	48.99	-13.82	35.17	43.50	-8.33	QP			
3	638.9815	41.96	-2.54	39.42	46.00	-6.58	QP			

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



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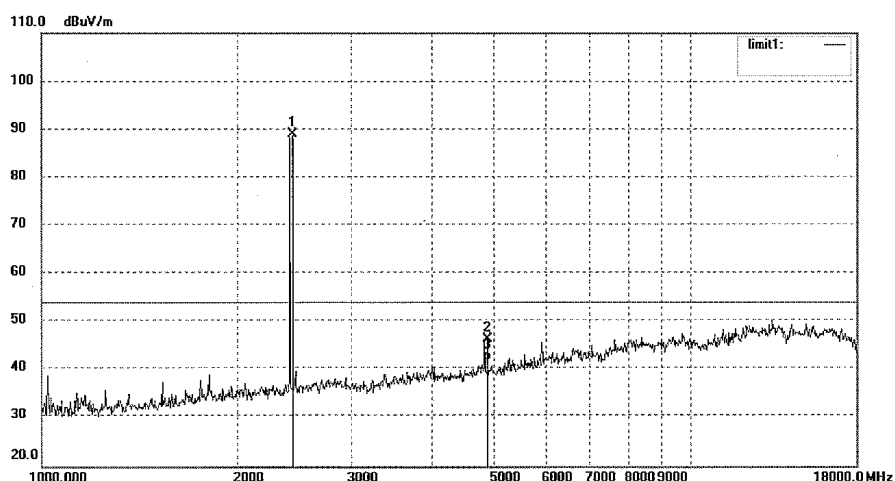
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #50	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/05/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 11/22/03
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	2441.000	96.34	-7.35	88.99	/	/	peak			
2	4881.980	46.34	0.14	46.48	74.00	-27.52	peak			
3	4881.980	41.86	0.14	42.00	54.00	-12.00	AVG			

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



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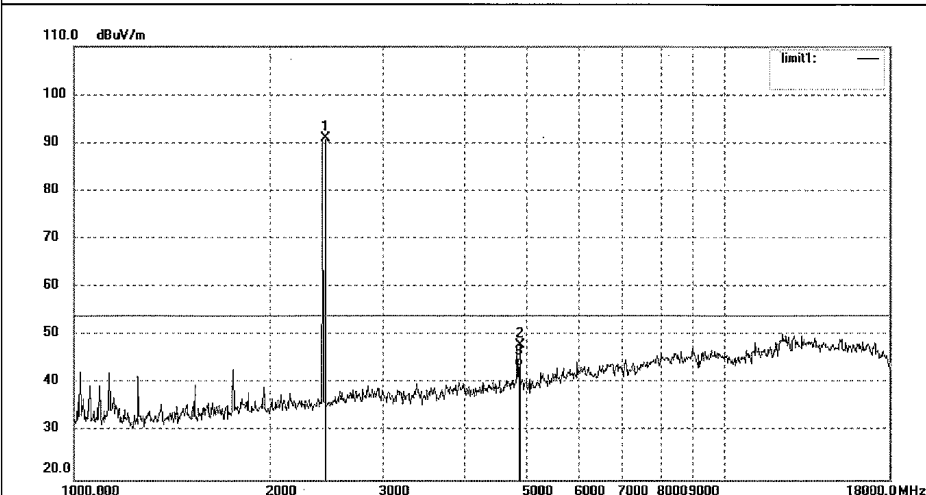
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #51	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/05/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 11/31/47
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	2441.000	98.44	-7.35	91.09	/	/	peak			
2	4881.968	47.92	0.14	48.06	74.00	-25.94	peak			
3	4881.968	43.36	0.14	43.50	54.00	-10.50	AVG			

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



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

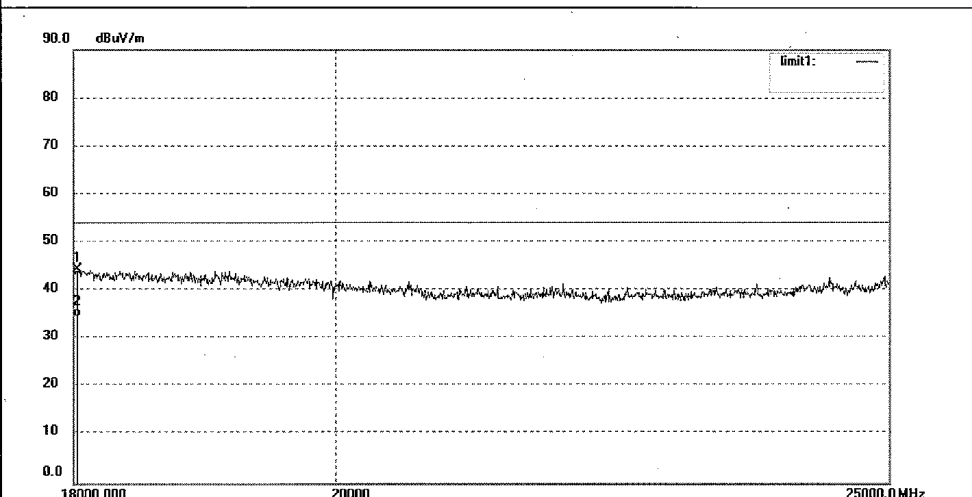
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #89	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17:07:42
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	18029.649	28.23	16.17	44.40	74.00	-29.60	peak			
2	18029.649	18.35	16.17	34.52	54.00	-19.48	AVG			

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



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Site: 2# Chamber

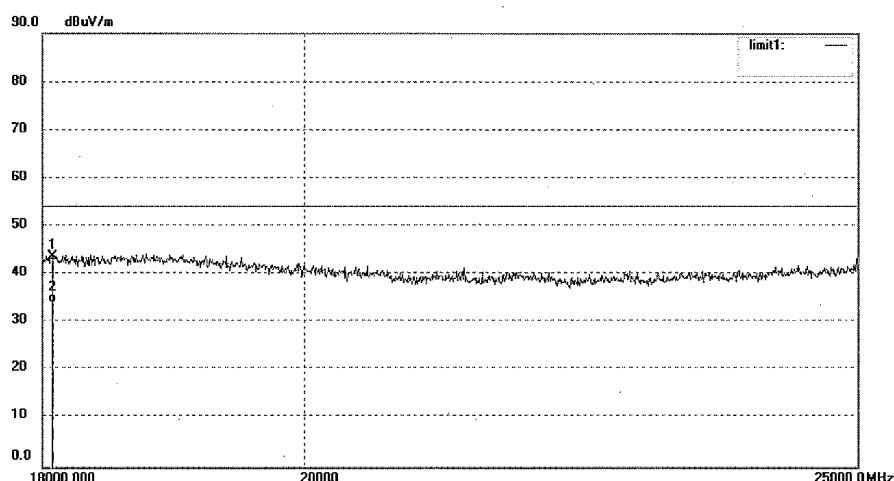
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #90
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: TX 2441MHz
Model: NS-SH513
Manufacturer:

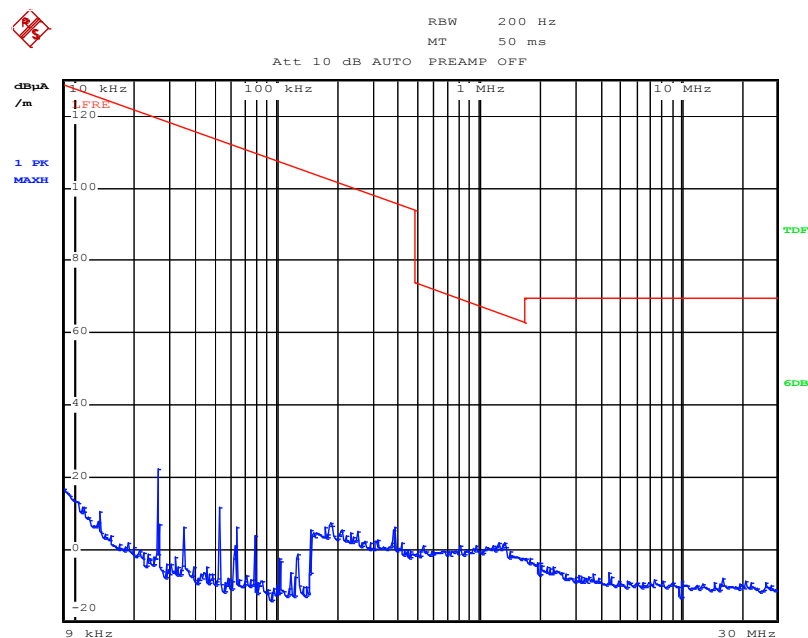
Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/05/05
Time: 17:15:25
Engineer Signature:
Distance: 3m

Note: EDR



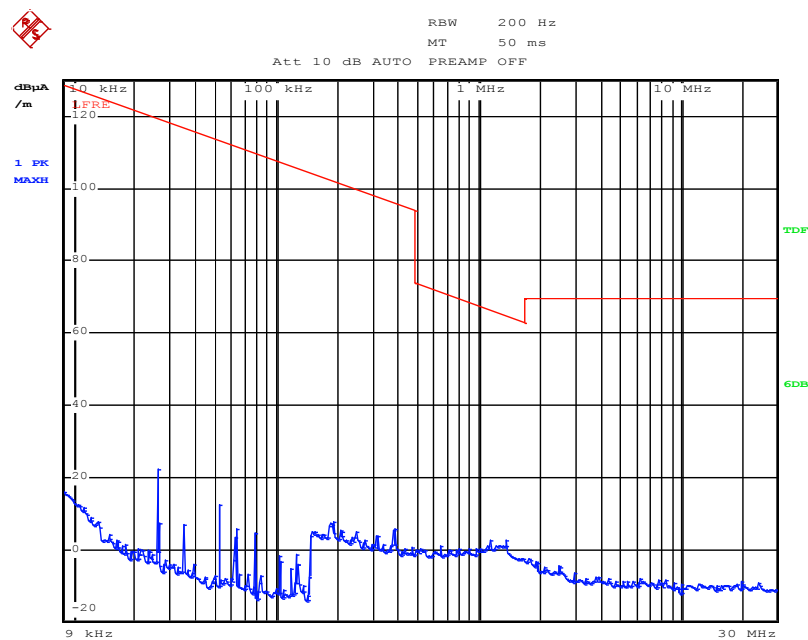
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18077.189	27.59	16.27	43.86	74.00	-30.14	peak			
2	18077.189	17.89	16.27	34.16	54.00	-19.84	AVG			

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



Date: 5.MAY.2013 20:01:40

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



Date: 5.MAY.2013 20:03:46

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



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Site: 2# Chamber

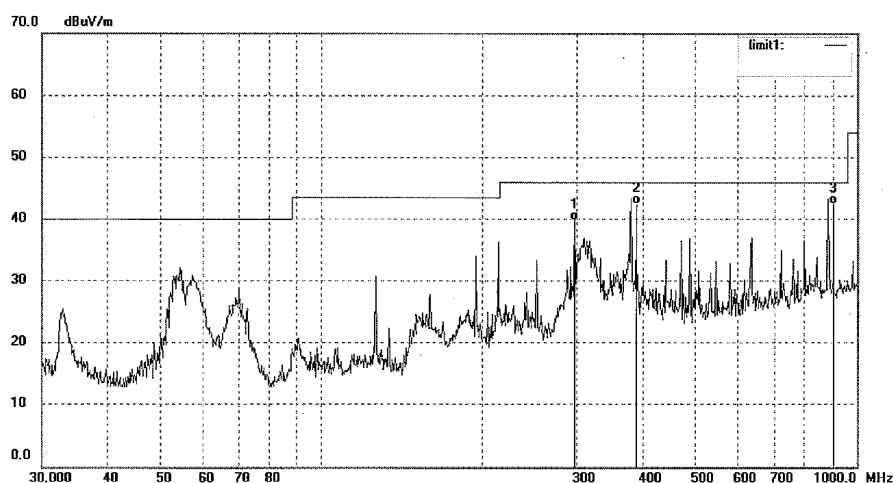
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #103
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: TX 2480MHz
Model: NS-SH513
Manufacturer:

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/05/05
Time: 19:15:02
Engineer Signature:
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	299.2650	49.11	-9.30	39.81	46.00	-6.19	QP			
2	384.7679	49.69	-7.29	42.40	46.00	-3.60	QP			
3	897.7740	41.11	1.27	42.38	46.00	-3.62	QP			

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



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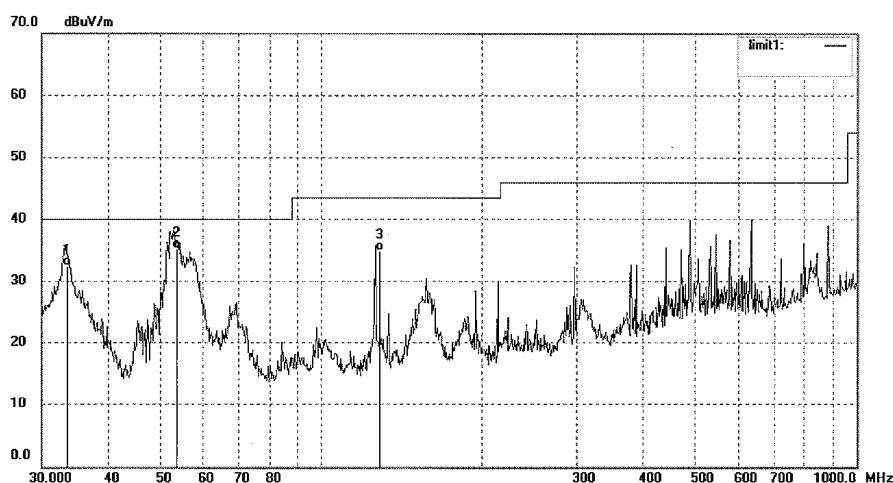
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #104	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 19:24:17
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	33.7871	43.83	-11.30	32.53	40.00	-7.47	QP			
2	54.1283	48.15	-12.91	35.24	40.00	-4.76	QP			
3	128.2519	48.69	-13.82	34.87	43.50	-8.63	QP			

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



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #53

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2480MHz

Model: NS-SH513

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

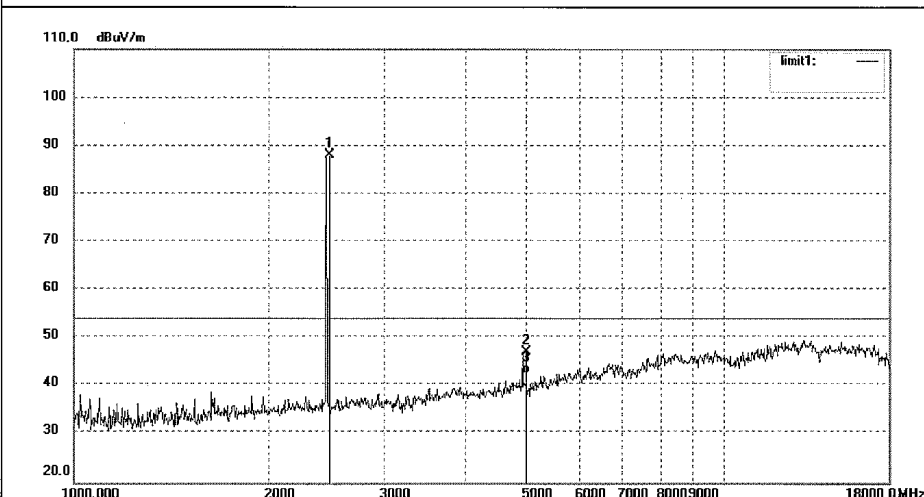
Date: 2013/05/05

Time: 11:49:00

Engineer Signature:

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	2480.000	95.42	-7.37	88.05	/	/	peak			
2	4959.963	46.50	0.52	47.02	74.00	-26.98	peak			
3	4959.963	42.07	0.52	42.59	54.00	-11.41	AVG			

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



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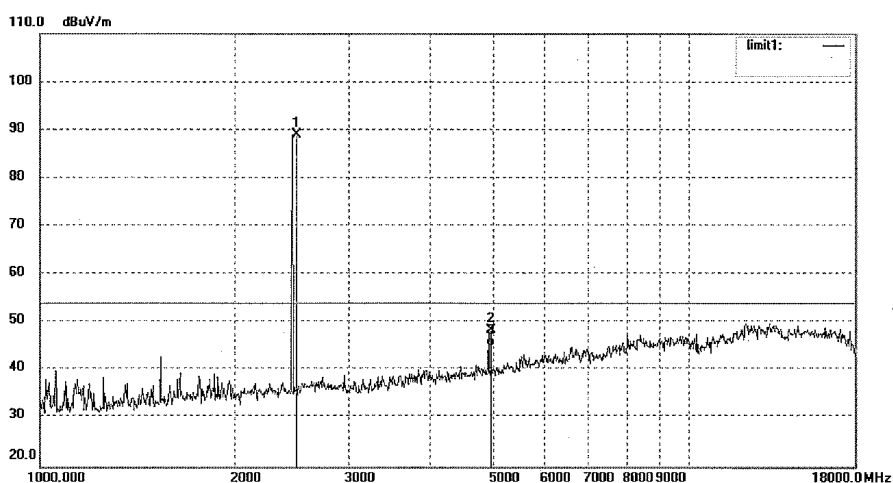
Site: 2# Chamber

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

Job No.: YH #52
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: TX 2480MHz
Model: NS-SH513
Manufacturer:

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/05/05/
Time: 11/40/52
Engineer Signature:
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	2480.000	96.43	-7.37	89.06	/	/	peak			
2	4959.985	48.04	0.52	48.56	74.00	-25.44	peak			
3	4959.985	44.51	0.52	45.03	54.00	-8.97	AVG			

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

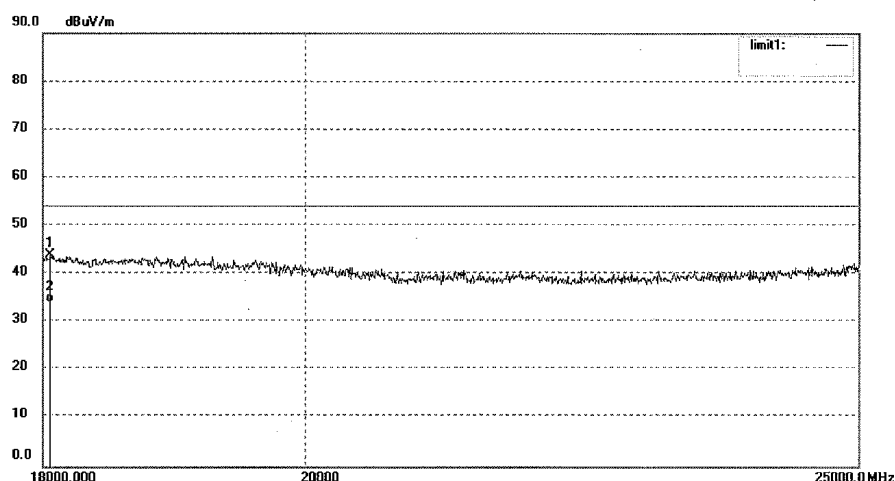


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: YH #92	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 17:33:09
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	18053.403	27.85	16.22	44.07	74.00	-29.93	peak			
2	18053.403	17.90	16.22	34.12	54.00	-19.88	AVG			

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



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #91

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: TX 2480MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

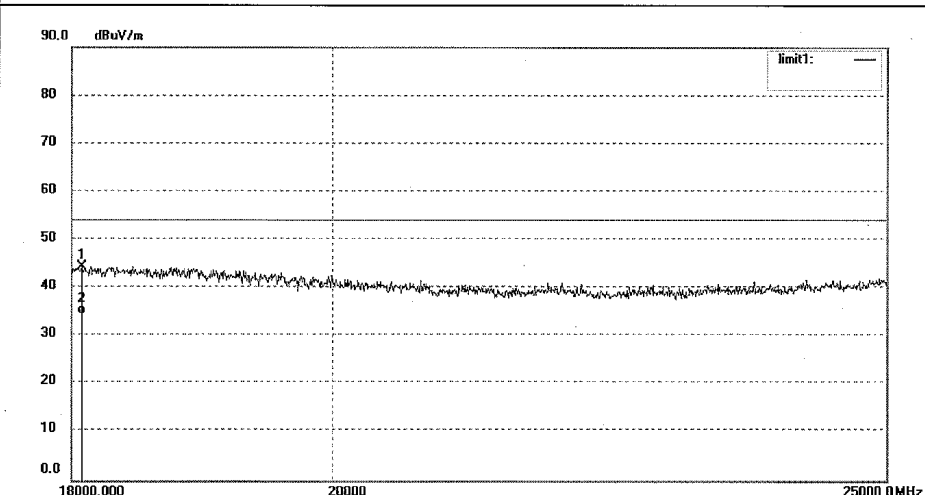
Date: 2013/05/05

Time: 17:24:44

Engineer Signature:

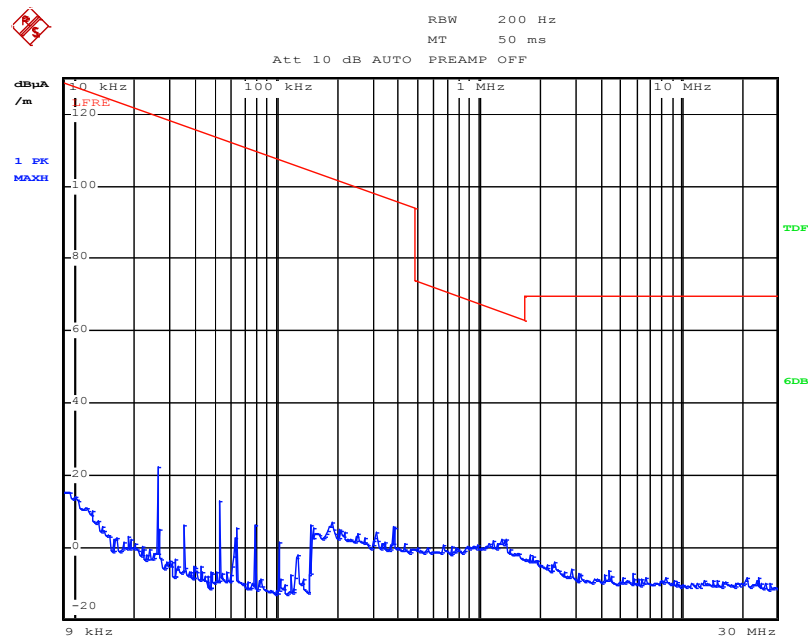
Distance: 3m

Note: EDR



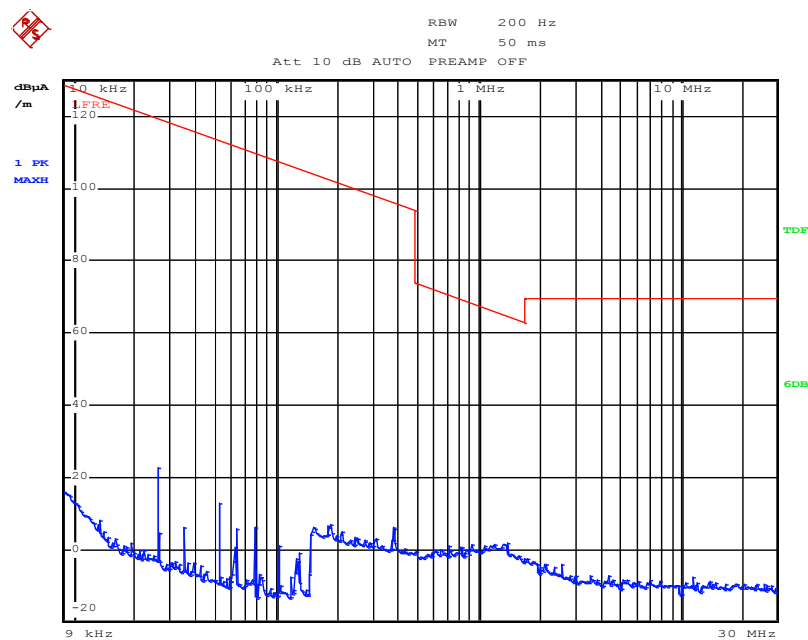
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18077.189	28.08	16.27	44.35	74.00	-29.65	peak			
2	18077.189	18.24	16.27	34.51	54.00	-19.49	AVG			

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



Date: 5.MAY.2013 20:20:45

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



Date: 5.MAY.2013 20:22:58

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



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

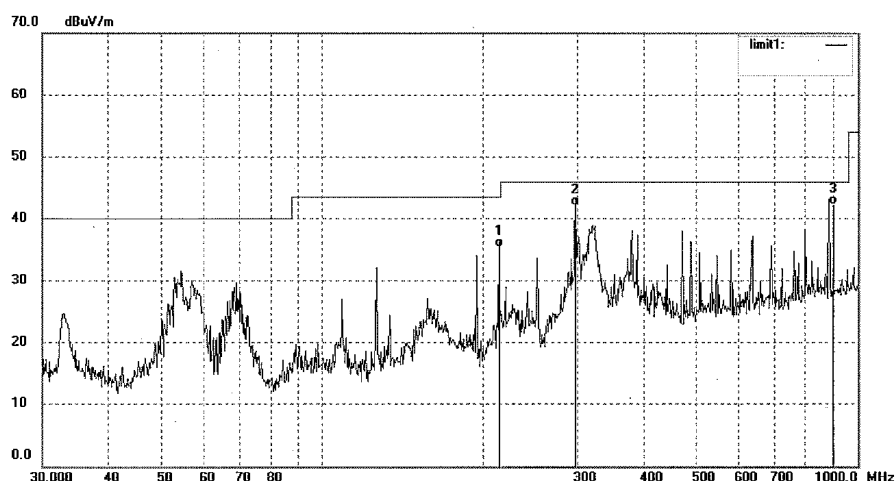
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #110	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 20:18:29
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: RX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	213.7565	47.46	-11.95	35.51	43.50	-7.99	QP			
2	299.2659	51.38	-9.30	42.08	46.00	-3.92	QP			
3	897.7778	40.91	1.27	42.18	46.00	-3.82	QP			

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



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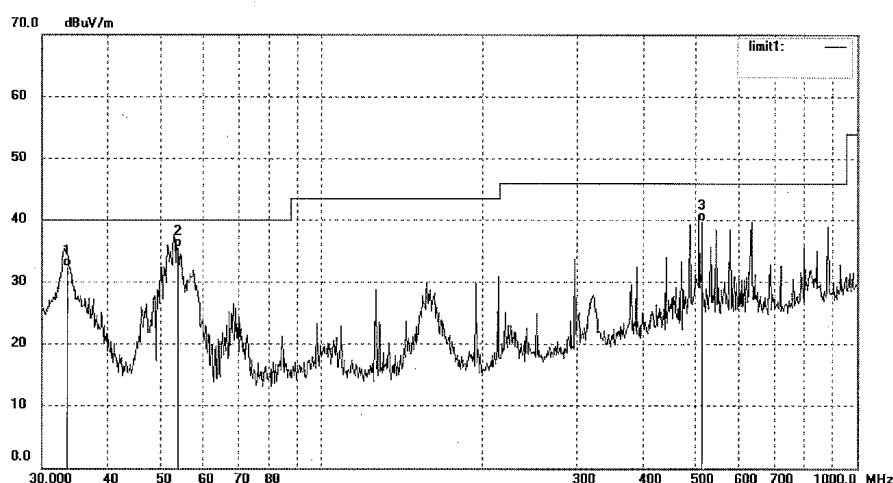
Site: 2# Chamber

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

Job No.: YH #109
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: RX 2480MHz
Model: NS-SH513
Manufacturer:

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/05/05
Time: 20:10:38
Engineer Signature:
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	33.6101	43.70	-11.28	32.42	40.00	-7.58	QP			
2	54.1500	48.44	-12.91	35.53	40.00	-4.47	QP			
3	513.0105	44.28	-4.51	39.77	46.00	-6.23	QP			

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



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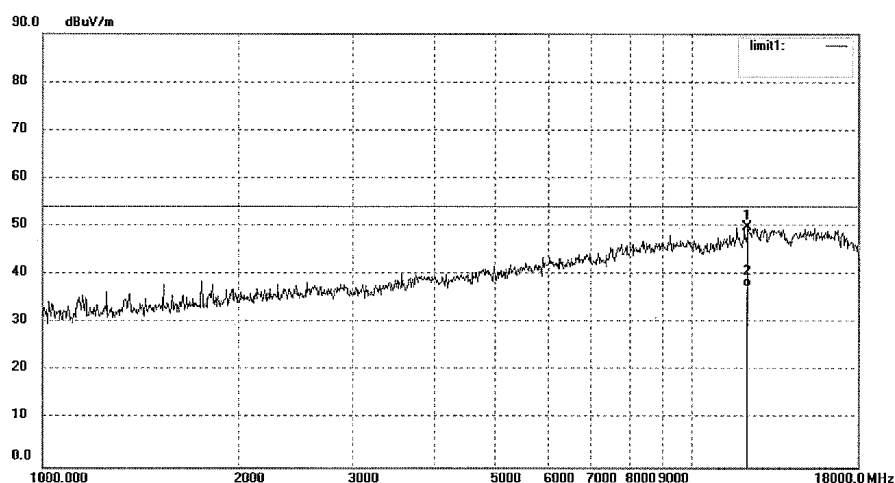
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #61	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12:54:17
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: RX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	12188.750	39.86	10.03	49.89	74.00	-24.11	peak			
2	12188.750	27.37	10.03	37.40	54.00	-16.60	AVG			

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



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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #62

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: RX 2480MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

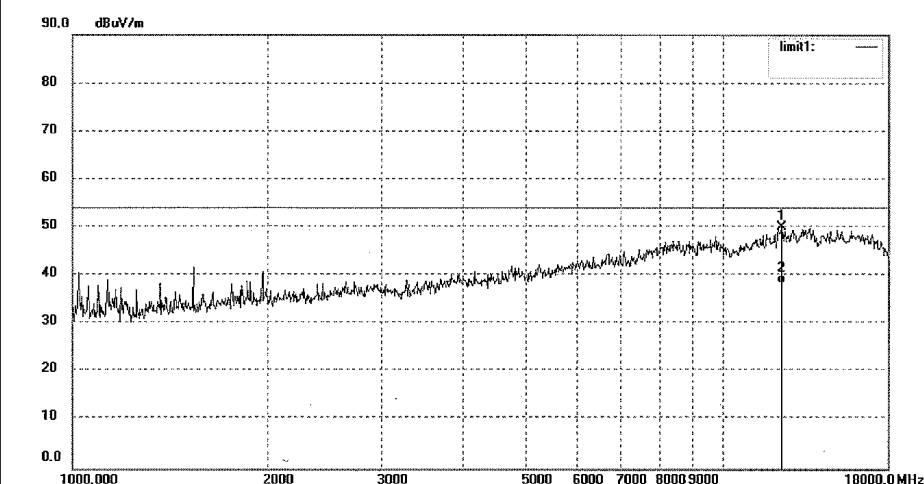
Date: 2013/05/05

Time: 13:03:20

Engineer Signature:

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	12367.263	11.68	38.27	49.95	74.00	-24.05	peak			
2	12367.263	0.13	38.27	38.40	54.00	-15.60	AVG			

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



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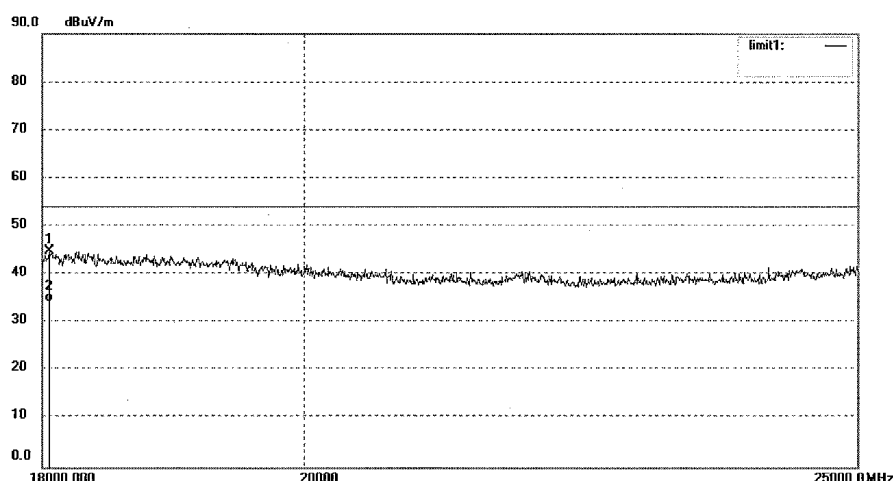
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #73	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 14:45:05
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: RX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	18053.403	28.75	16.22	44.97	74.00	-29.03	peak			
2	18053.403	18.03	16.22	34.25	54.00	-19.75	AVG			

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



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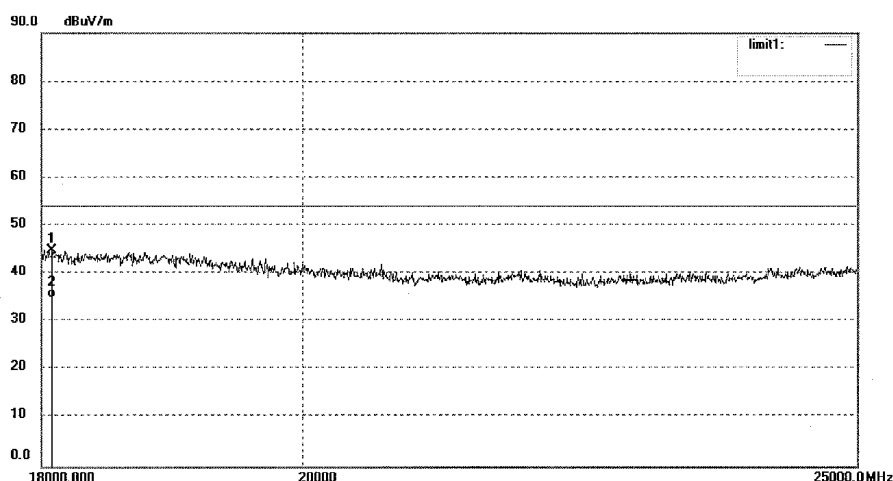
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

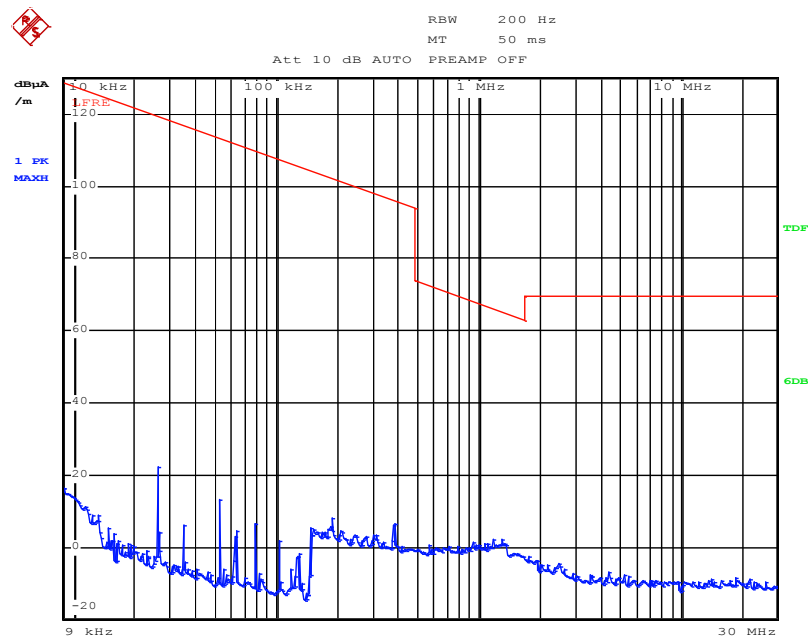
Job No.: YH #74	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 14:53:51
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: RX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note: BDR



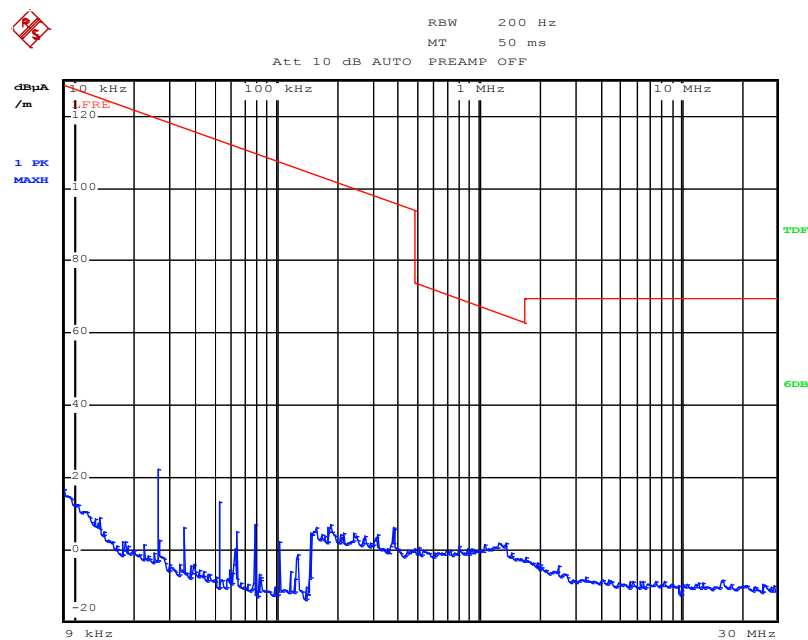
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18075.679	28.68	16.27	44.95	74.00	-29.05	peak			
2	18075.679	18.63	16.27	34.90	54.00	-19.10	AVG			

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



Date: 5.MAY.2013 20:35:41

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



Date: 5.MAY.2013 20:38:03

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

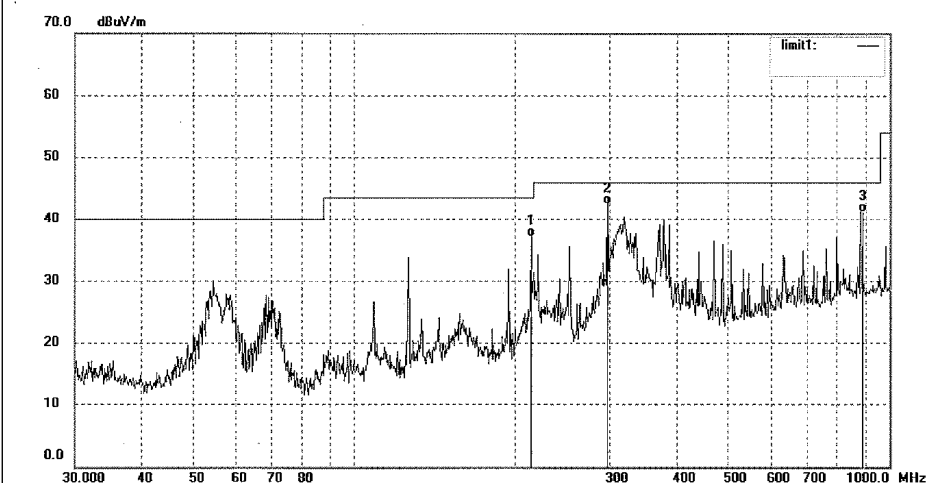


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: YH #114	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 21:03:01
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: RX 2441MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	213.7620	49.14	-11.95	37.19	43.50	-6.31	QP			
2	299.2558	51.74	-9.30	42.44	46.00	-3.56	QP			
3	897.7700	39.87	1.27	41.14	46.00	-4.86	QP			

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



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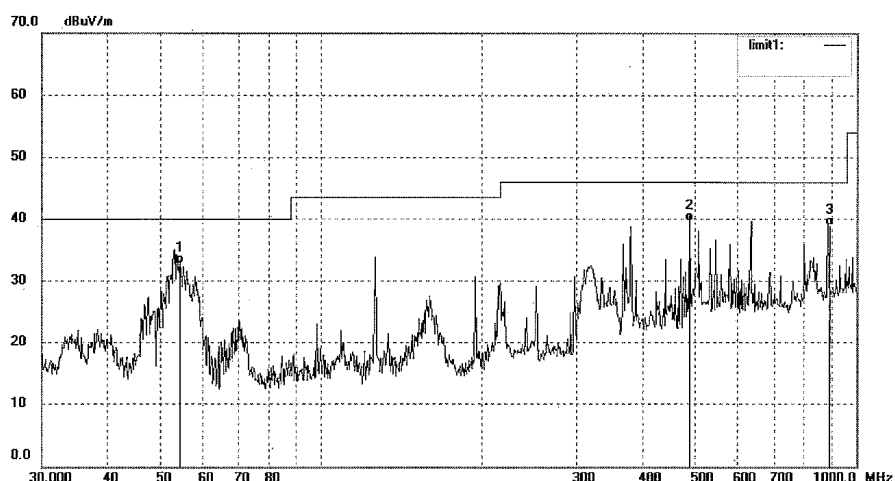
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #113	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 20:52:18
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: RX 2441MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	54.1390	45.65	-12.91	32.74	40.00	-7.26	QP			
2	491.5240	44.80	-5.15	39.65	46.00	-6.35	QP			
3	897.7739	37.61	1.27	38.88	46.00	-7.12	QP			

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



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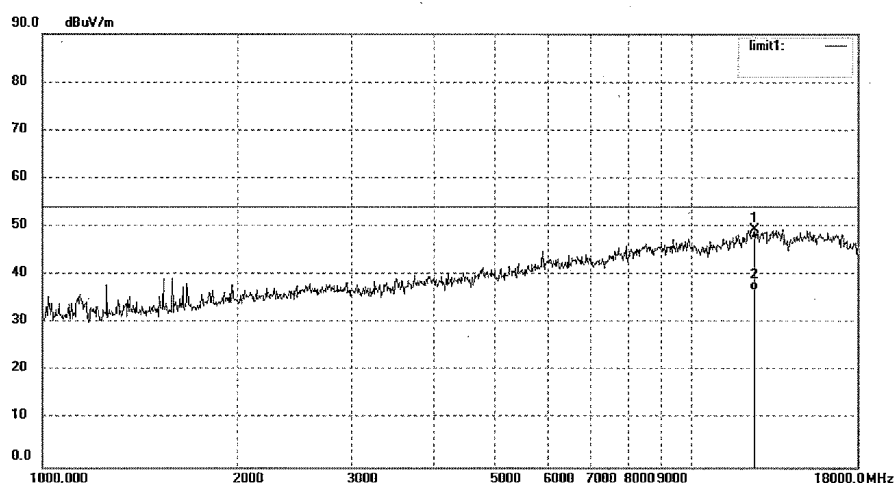
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #65	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13:35:52
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: RX 2441MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	12513.177	10.87	38.42	49.29	74.00	-24.71	peak			
2	12513.177	-1.52	38.42	36.90	54.00	-17.10	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.: YH #66

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: RX 2441MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

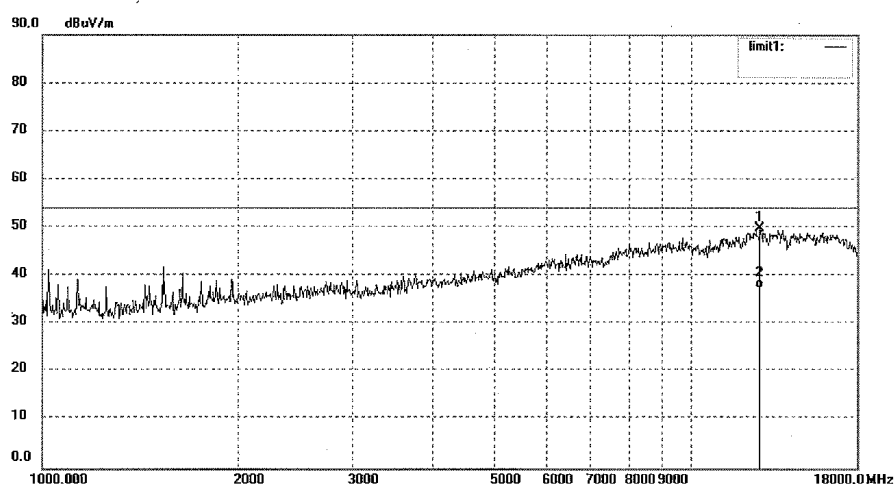
Date: 2013/05/05

Time: 13:46:00

Engineer Signature:

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	12764.984	11.19	38.72	49.91	74.00	-24.09	peak			
2	12764.984	-1.32	38.72	37.40	54.00	-16.60	AVG			

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

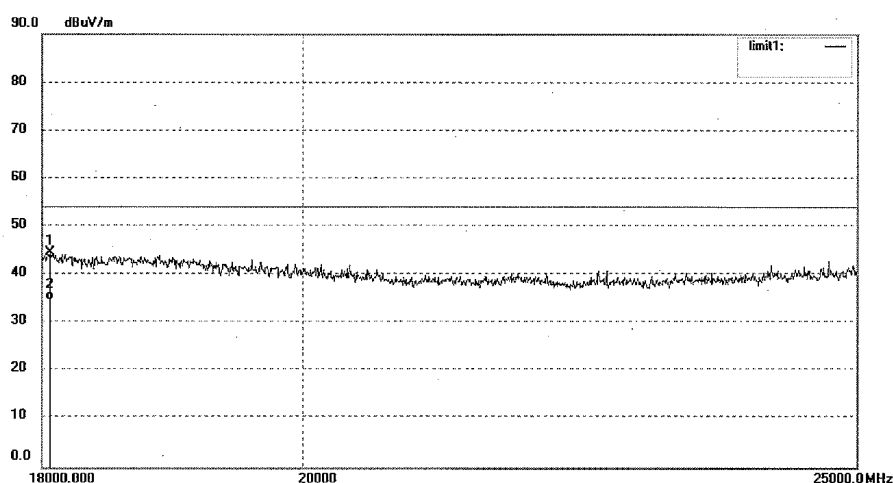


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: YH #77	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 15:22:05
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: RX 2441MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	18059.347	28.53	16.23	44.76	74.00	-29.24	peak			
2	18059.347	18.52	16.23	34.75	54.00	-19.25	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.: YH #78

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: RX 2441MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

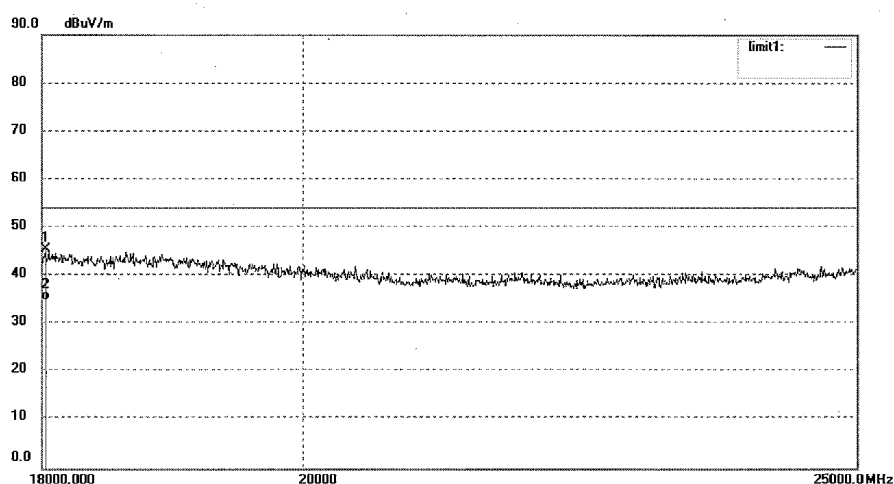
Date: 2013/05/05

Time: 15:31:49

Engineer Signature:

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	18023.715	29.41	16.15	45.56	74.00	-28.44	peak			
2	18023.715	18.88	16.15	35.03	54.00	-18.97	AVG			

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

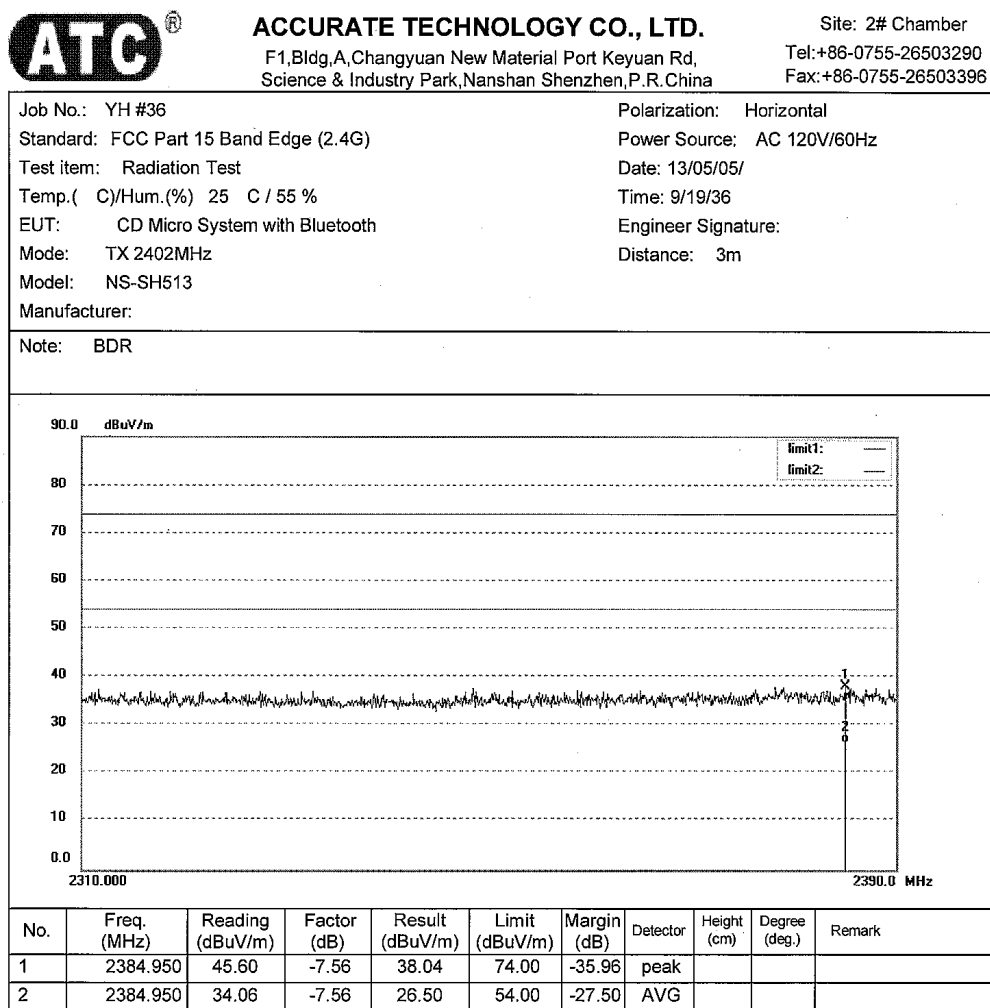


Figure 66: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical, GFSK Modulation



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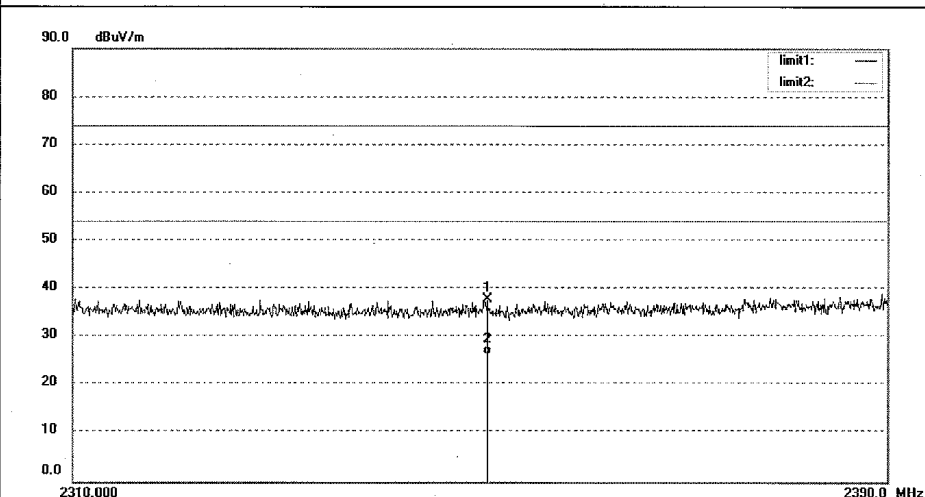
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 2# Chamber

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

Job No.: YH #35	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/05/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/10/59
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	2350.490	45.80	-7.79	38.01	74.00	-35.99	peak			
2	2350.490	34.19	-7.79	26.40	54.00	-27.60	AVG			

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



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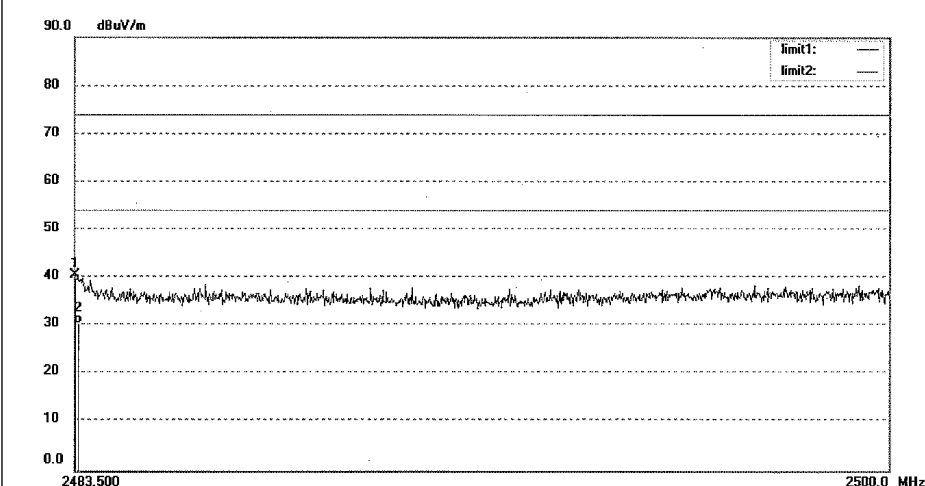
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #45	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/05/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/34/38
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	47.92	-7.37	40.55	74.00	-33.45	peak			
2	2483.500	37.87	-7.37	30.50	54.00	-23.50	AVG			

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



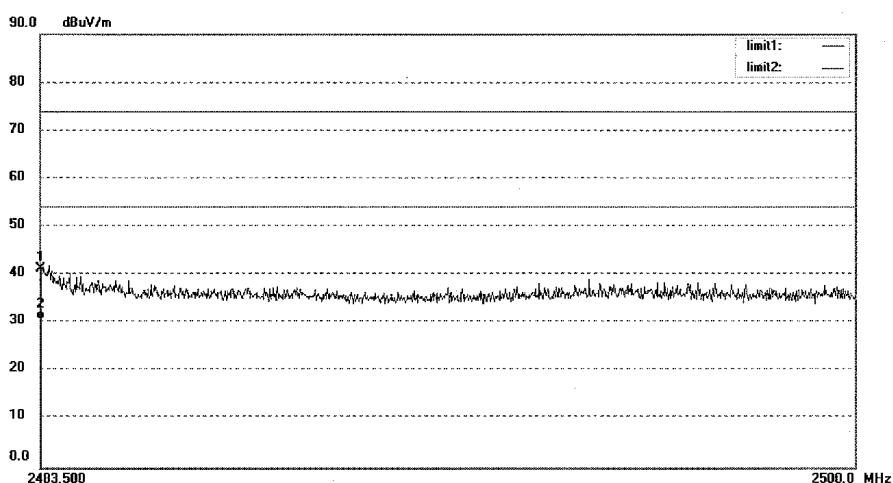
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Site: 2# Chamber

Tel:+86-0755-26503290
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Job No.: YH #44	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/05/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/26/41
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	
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	48.75	-7.37	41.38	74.00	-32.62	peak			
2	2483.500	38.07	-7.37	30.70	54.00	-23.30	AVG			

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



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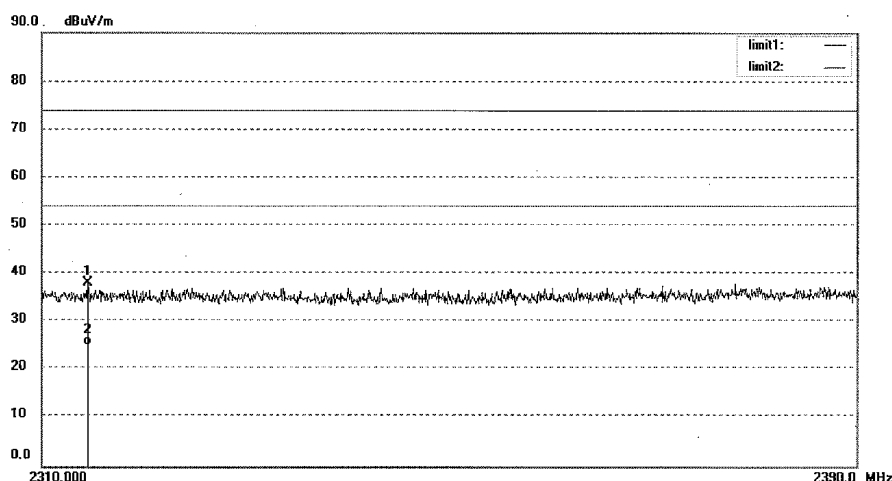
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #46	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/05/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/43/46
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	2314.417	45.84	-7.81	38.03	74.00	-35.97	peak			
2	2314.417	32.81	-7.81	25.00	54.00	-29.00	AVG			

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



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Fax:+86-0755-26503396

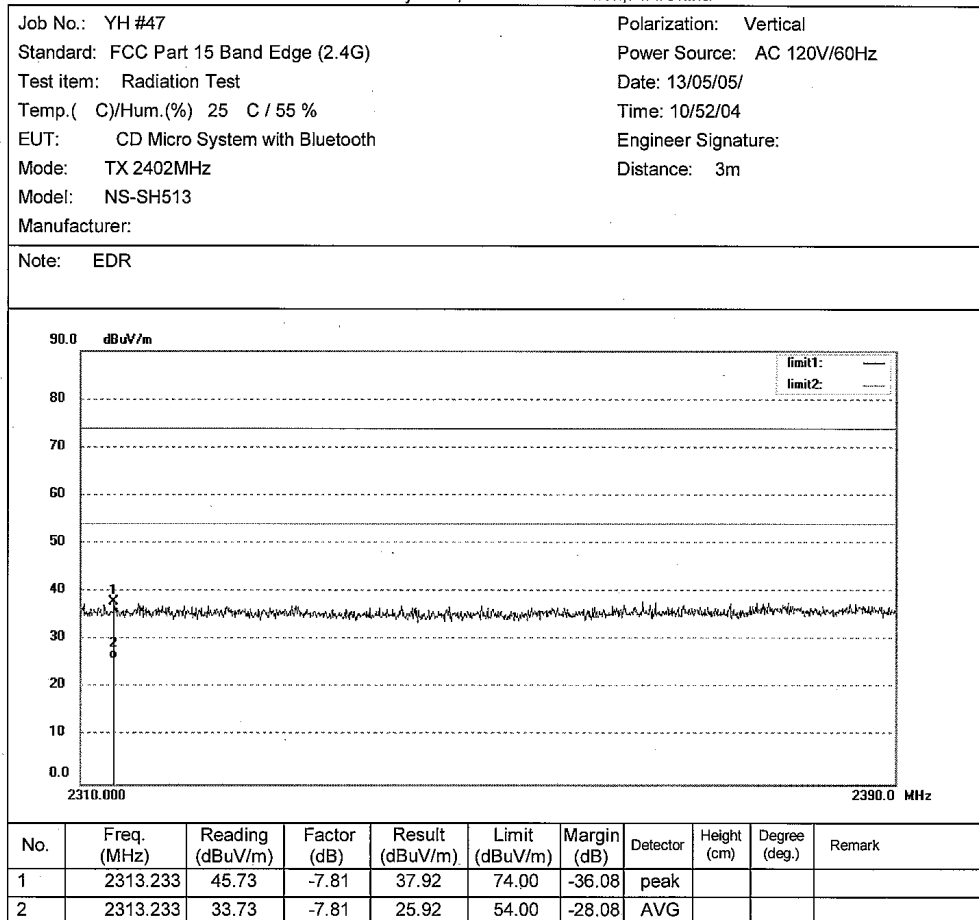


Figure 71: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal, 8DPSK Modulation



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

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

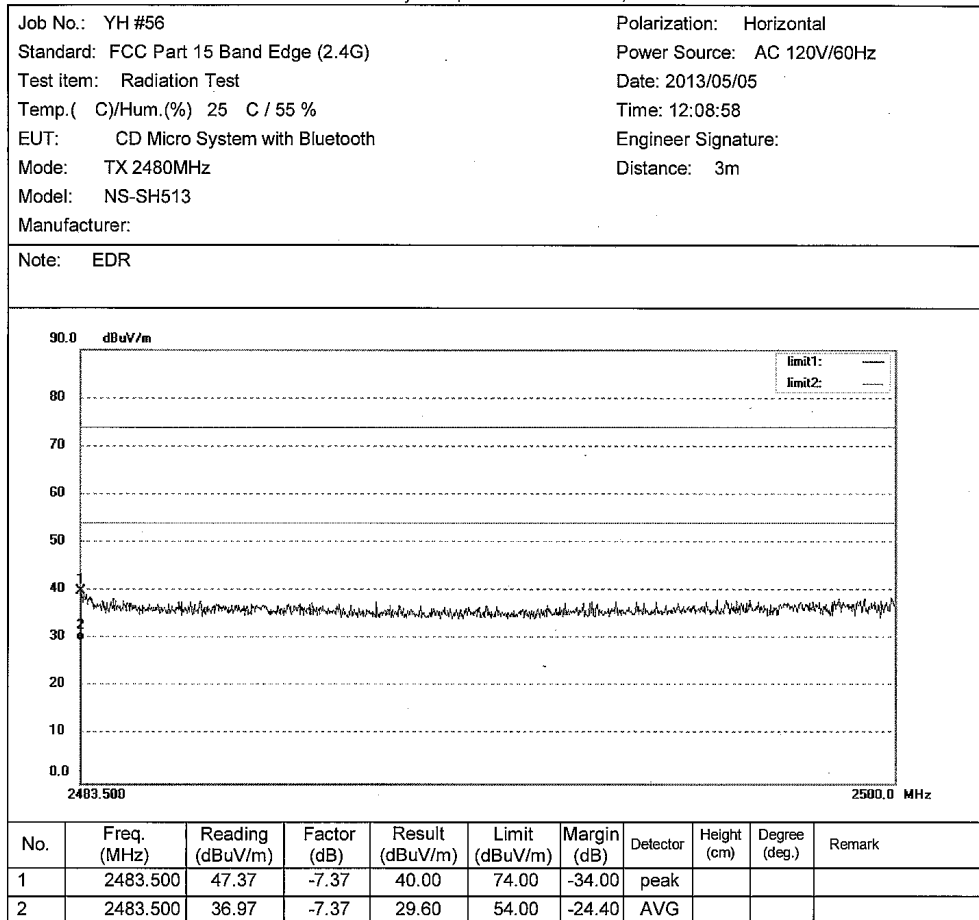


Figure 72: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical, 8DPSK Modulation



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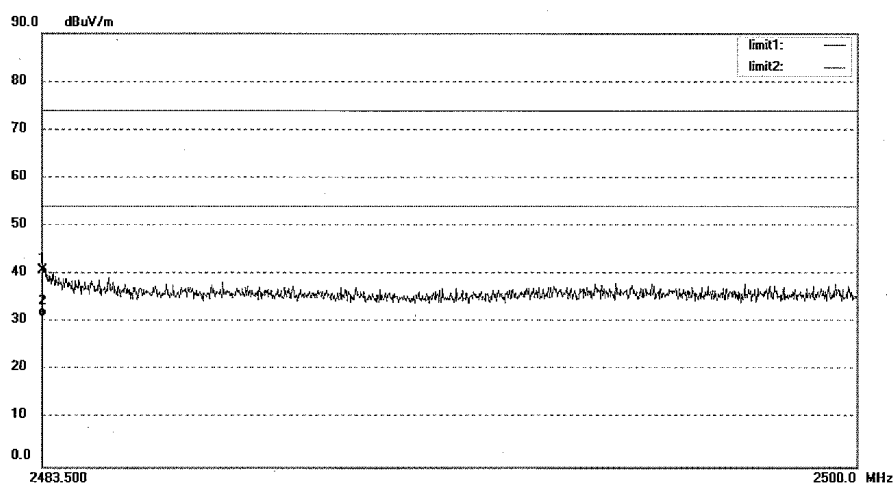
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 2# Chamber

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

Job No.: YH #54	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/05
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 11:57:24
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

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	48.13	-7.37	40.76	74.00	-33.24	peak			
2	2483.500	38.57	-7.37	31.20	54.00	-22.80	AVG			

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

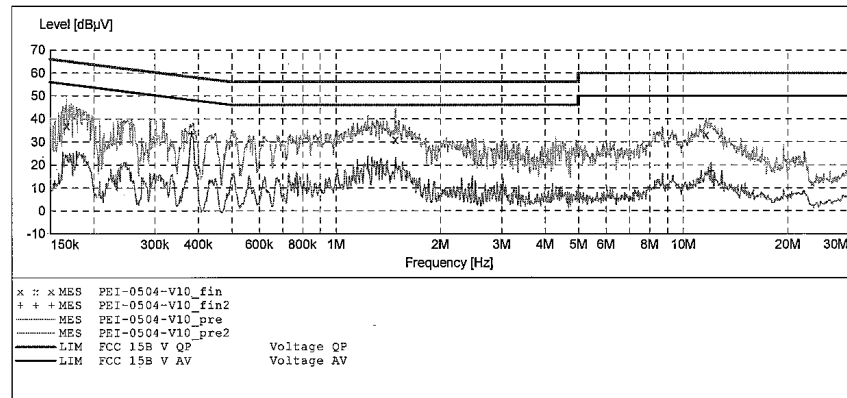
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: CD Micro System with Bluetooth M/N: NS-SH513
Manufacturer:
Operating Condition: Transmitting
Test Site: 1#Shielding Room
Operator: PEI
Test Specification: L 120V/60Hz
Comment: Mains port
Start of Test: 5/4/2013 / 5:19:08PM

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 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
Average



MEASUREMENT RESULT: "PEI-0504-V10_fin"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.167071	36.90	11.6	65	28.2	QP	L1	GND
1.483346	30.90	12.4	56	25.1	QP	L1	GND
11.636925	33.20	12.1	60	26.8	QP	L1	GND

MEASUREMENT RESULT: "PEI-0504-V10_fin2"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.383278	33.30	12.3	48	14.9	AV	L1	GND
1.234502	19.80	12.5	46	26.2	AV	L1	GND
12.014561	17.20	12.1	50	32.8	AV	L1	GND

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

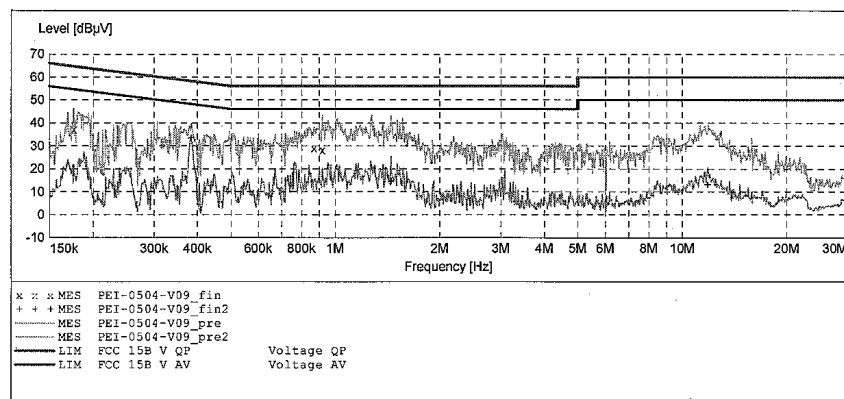
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: CD Micro System with Bluetooth M/N:NS-SH513
Manufacturer:
Operating Condition: Transmitting
Test Site: 1#Shielding Room
Operator: PEI
Test Specification: N 120V/60Hz
Comment: Mains port
Start of Test: 5/4/2013 / 5:16:14PM

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 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
Average



MEASUREMENT RESULT: "PEI-0504-V09_fin"

5/4/2013 5:18PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.175970	37.20	11.6	65	27.5	QP	N	GND
0.868810	28.90	12.5	56	27.1	QP	N	GND
0.918749	28.20	12.5	56	27.8	QP	N	GND

MEASUREMENT RESULT: "PEI-0504-V09_fin2"

5/4/2013 5:18PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.383278	33.40	12.3	48	14.8	AV	N	GND
1.448239	14.40	12.4	46	31.6	AV	N	GND
11.824236	12.80	12.1	50	37.2	AV	N	GND

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

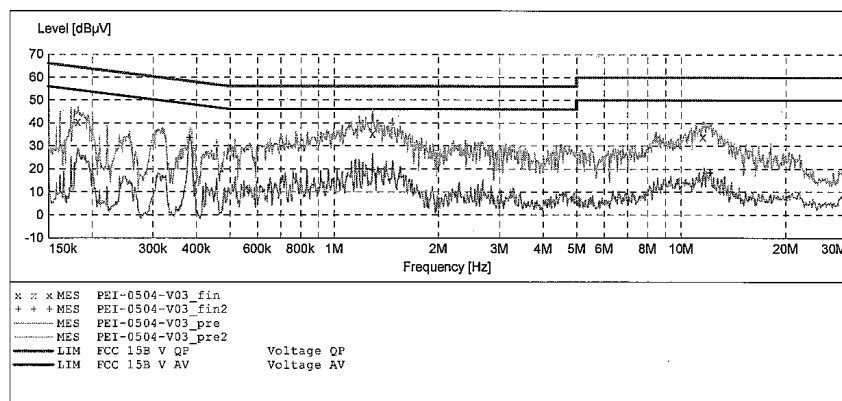
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: CD Micro System with Bluetooth M/N:NS-SH513
 Manufacturer: CD Playing
 Operating Condition: 1#Shielding Room
 Test Site: PEI
 Operator: L 120V/60Hz
 Test Specification: Mains port
 Comment: 5/4/2013 / 4:57:32PM
 Start of Test:

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 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "PEI-0504-V03_fin"

5/4/2013 4:59PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.182408	40.40	11.7	64	24.0	QP	L1	GND
1.289919	35.40	12.5	56	20.6	QP	L1	GND
11.544385	34.00	12.1	60	26.0	QP	L1	GND

MEASUREMENT RESULT: "PEI-0504-V03_fin2"

5/4/2013 4:59PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.383278	33.40	12.3	48	14.8	AV	L1	GND
1.289919	19.50	12.5	46	26.5	AV	L1	GND
12.110870	18.00	12.1	50	32.0	AV	L1	GND

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

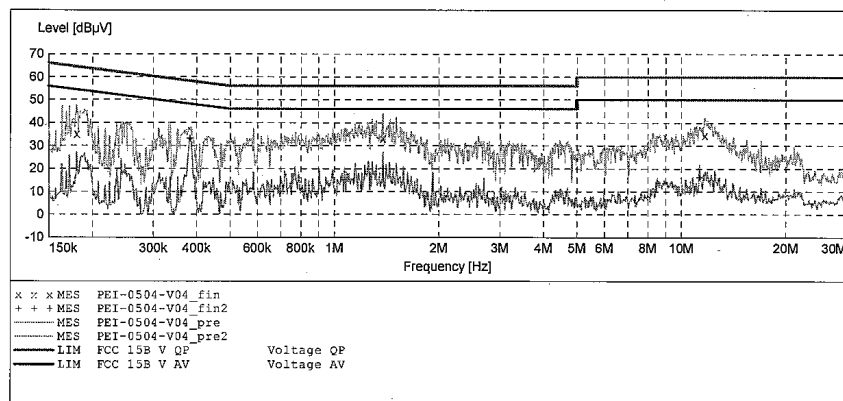
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: CD Micro System with Bluetooth M/N:NS-SH513
Manufacturer:
Operating Condition: CD Playing
Test Site: 1#Shielding Room
Operator: PEI
Test Specification: N 120V/60Hz
Comment: Mains port
Start of Test: 5/4/2013 / 5:00:16PM

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 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
Average



MEASUREMENT RESULT: "PEI-0504-V04_fin"

5/4/2013 5:02PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.180236	35.20	11.6	65	29.3	QP	N	GND
1.380497	33.20	12.4	56	22.8	QP	N	GND
11.683472	34.60	12.1	60	25.4	QP	N	GND

MEASUREMENT RESULT: "PEI-0504-V04_fin2"

5/4/2013 5:02PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.383278	33.00	12.3	48	15.2	AV	N	GND
1.380497	19.90	12.4	46	26.1	AV	N	GND
11.271157	16.00	12.1	50	34.0	AV	N	GND

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

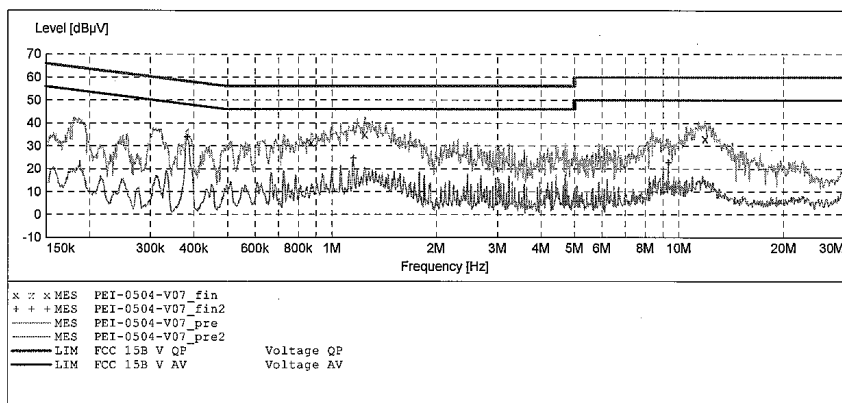
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: CD Micro System with Bluetooth M/N:NS-SH513
 Manufacturer:
 Operating Condition: Aux in
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains port
 Start of Test: 5/4/2013 / 5:09:26PM

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 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "PEI-0504-V07_fin"

5/4/2013 5:11PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.872285	31.60	12.5	56	24.4	QP	L1	GND
1.244397	35.10	12.5	56	20.9	QP	L1	GND
11.919019	33.20	12.1	60	26.8	QP	L1	GND

MEASUREMENT RESULT: "PEI-0504-V07_fin2"

5/4/2013 5:11PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.383278	33.70	12.3	48	14.5	AV	L1	GND
1.153502	24.70	12.5	46	21.3	AV	L1	GND
9.342950	22.70	12.2	50	27.3	AV	L1	GND

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

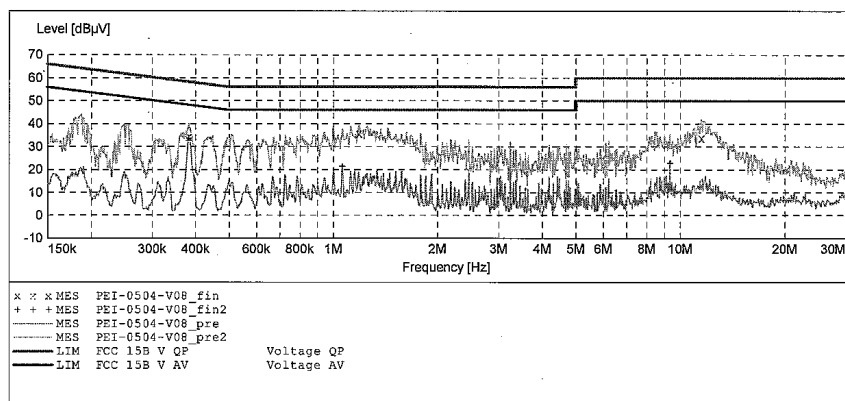
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: CD Micro System with Bluetooth M/N: NS-SH513
 Manufacturer:
 Operating Condition: Aux in
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 Start of Test: 5/4/2013 / 5:11:50PM

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 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "PEI-0504-V08_fin"

5/4/2013 5:13PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.383278	34.30	12.3	58	23.9	QP	N	GND
1.186191	35.70	12.5	56	20.3	QP	N	GND
11.498391	33.70	12.1	60	26.3	QP	N	GND

MEASUREMENT RESULT: "PEI-0504-V08_fin2"

5/4/2013 5:13PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.383278	33.50	12.3	48	14.7	AV	N	GND
1.060744	21.20	12.5	46	24.8	AV	N	GND
9.342950	22.60	12.2	50	27.4	AV	N	GND

Figure 79: Test figure of Conducted emissions, Mode E, line live

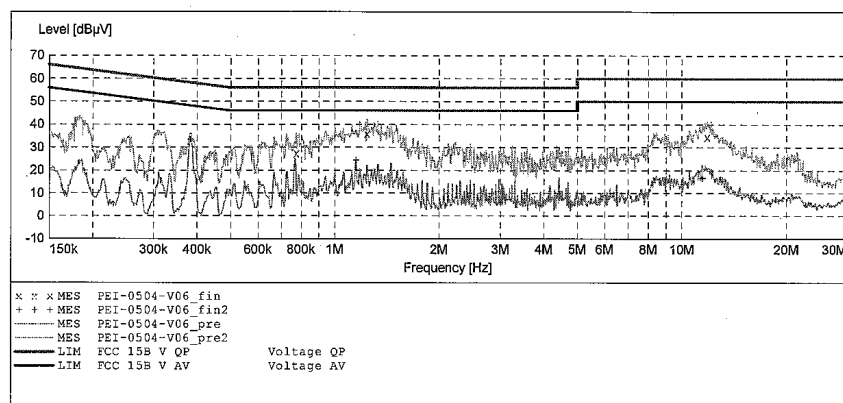
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: CD Micro System with Bluetooth M/N:NS-SH513
Manufacturer:
Operating Condition: USB Playing
Test Site: 1#Shielding Room
Operator: PEI
Test Specification: L 120V/60Hz
Comment: Mains port
Start of Test: 5/4/2013 / 5:06:10PM

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 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
Average



MEASUREMENT RESULT: "PEI-0504-V06_fin"

5/4/2013 5:08PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.773833	27.40	12.5	56	28.6	QP	L1	GND
1.239440	36.00	12.5	56	20.0	QP	L1	GND
11.824236	34.50	12.1	60	25.5	QP	L1	GND

MEASUREMENT RESULT: "PEI-0504-V06_fin2"

5/4/2013 5:08PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.383278	33.30	12.3	48	14.9	AV	L1	GND
1.153502	24.10	12.5	46	21.9	AV	L1	GND
11.452581	16.40	12.1	50	33.6	AV	L1	GND

Figure 80: Test figure of Conducted emissions, Mode E, line neutral

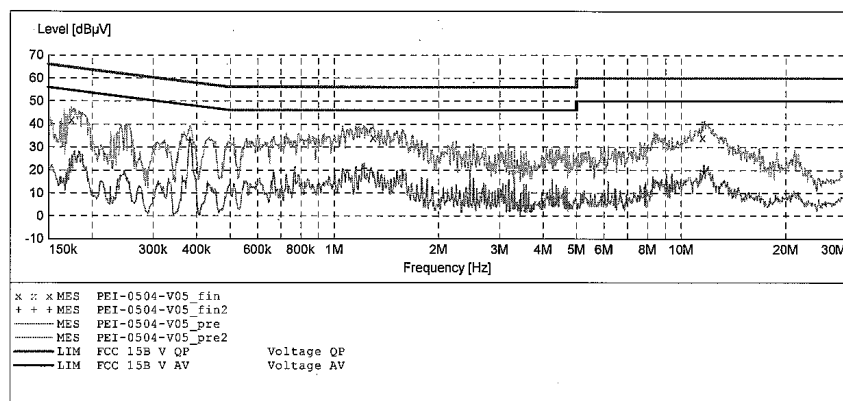
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: CD Micro System with Bluetooth M/N: NS-SH513
 Manufacturer:
 Operating Condition: USB Playing
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains port
 Start of Test: 5/4/2013 / 5:03:23PM

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 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "PEI-0504-V05_fin"

5/4/2013 5:05PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.174571	41.90	11.6	65	22.8	QP	N	GND
1.295079	34.10	12.5	56	21.9	QP	N	GND
11.498391	34.20	12.1	60	25.8	QP	N	GND

MEASUREMENT RESULT: "PEI-0504-V05_fin2"

5/4/2013 5:05PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.383278	33.00	12.3	48	15.2	AV	N	GND
1.219805	20.70	12.5	46	25.3	AV	N	GND
11.636925	19.40	12.1	50	30.6	AV	N	GND

Figure 81: Test figure of Conducted emissions, Mode F, line live

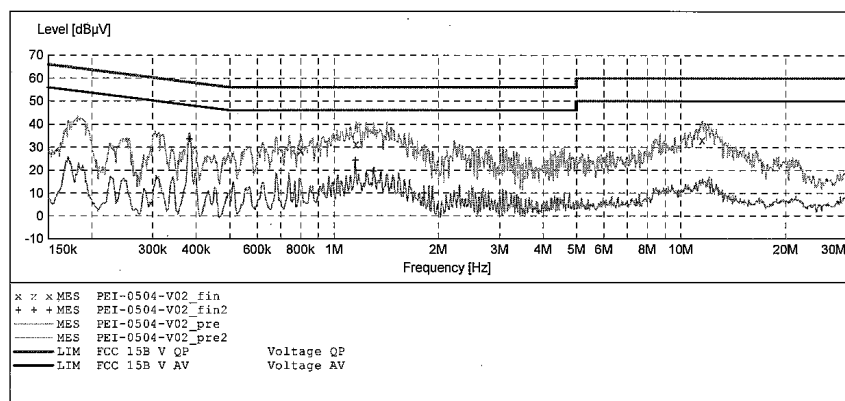
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: CD Micro System with Bluetooth M/N:NS-SH513
Manufacturer:
Operating Condition: Radio FM
Test Site: 1#Shielding Room
Operator: PEI
Test Specification: L 120V/60Hz
Comment: Mains port
Start of Test: 5/4/2013 / 4:53:13PM

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 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
Average



MEASUREMENT RESULT: "PEI-0504-V02_fin"

5/4/2013 4:55PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.802141	28.60	12.5	56	27.4	QP	L1	GND
1.158116	31.30	12.5	56	24.7	QP	L1	GND
11.498391	33.20	12.1	60	26.8	QP	L1	GND

MEASUREMENT RESULT: "PEI-0504-V02_fin2"

5/4/2013 4:55PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.383278	33.60	12.3	48	14.6	AV	L1	GND
1.153502	24.10	12.5	46	21.9	AV	L1	GND
1.300259	19.40	12.5	46	26.6	AV	L1	GND

Figure 82: Test figure of Conducted emissions, Mode F, line neutral

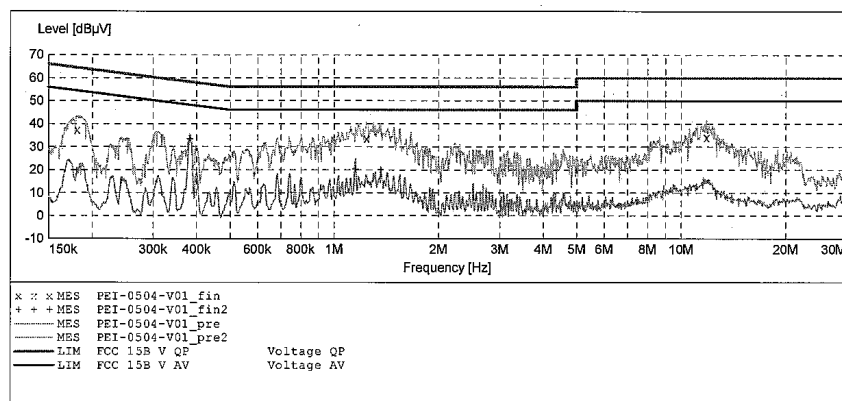
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: CD Micro System with Bluetooth M/N:NS-SH513
Manufacturer:
Operating Condition: Radio FM
Test Site: 1#Shielding Room
Operator: PEI
Test Specification: N 120V/60Hz
Comment: Mains port
Start of Test: 5/4/2013 / 4:51:58PM

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 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
Average



MEASUREMENT RESULT: "PEI-0504-V01_fin"

5/4/2013 4:52PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.180957	37.30	11.7	64	27.1	QP	N	GND
1.239440	33.60	12.5	56	22.4	QP	N	GND
11.824236	34.20	12.1	60	25.8	QP	N	GND

MEASUREMENT RESULT: "PEI-0504-V01_fin2"

5/4/2013 4:52PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.383278	33.30	12.3	48	14.9	AV	N	GND
1.153502	20.00	12.5	46	26.0	AV	N	GND
1.364063	19.80	12.5	46	26.2	AV	N	GND

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



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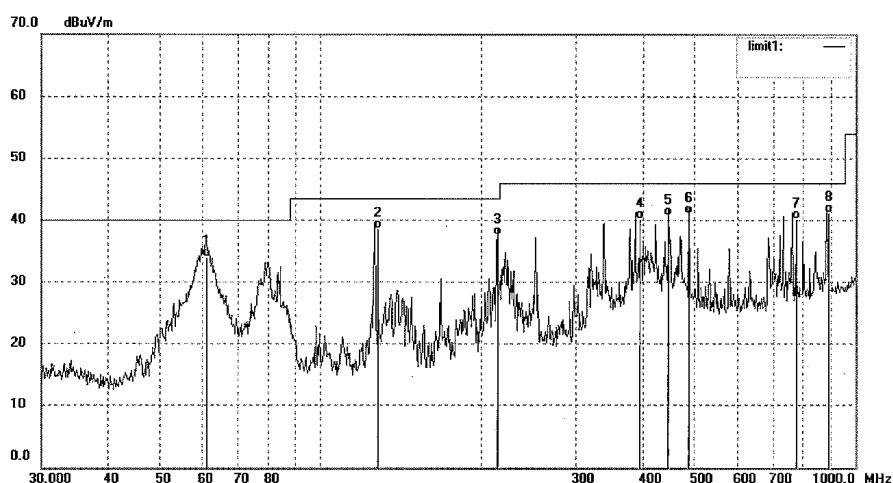
F1,Bldg.A, Changyuan New Material Port Keyuan Rd,
Science & Industry Park, Nanshan Shenzhen, P.R. China

Site: 2# Chamber

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

Job No.: YH #1	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/04/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/42/46
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: CD Playing	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	61.6288	48.47	-14.52	33.95	40.00	-6.05	QP			
2	128.2555	52.44	-13.82	38.62	43.50	-4.88	QP			
3	213.7613	49.52	-11.95	37.57	43.50	-5.93	QP			
4	393.2120	47.28	-7.09	40.19	46.00	-5.81	QP			
5	448.7328	46.52	-5.80	40.72	46.00	-5.28	QP			
6	491.5150	46.19	-5.15	41.04	46.00	-4.96	QP			
7	769.5170	40.93	-0.71	40.22	46.00	-5.78	QP			
8	897.7691	39.98	1.27	41.25	46.00	-4.75	QP			

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

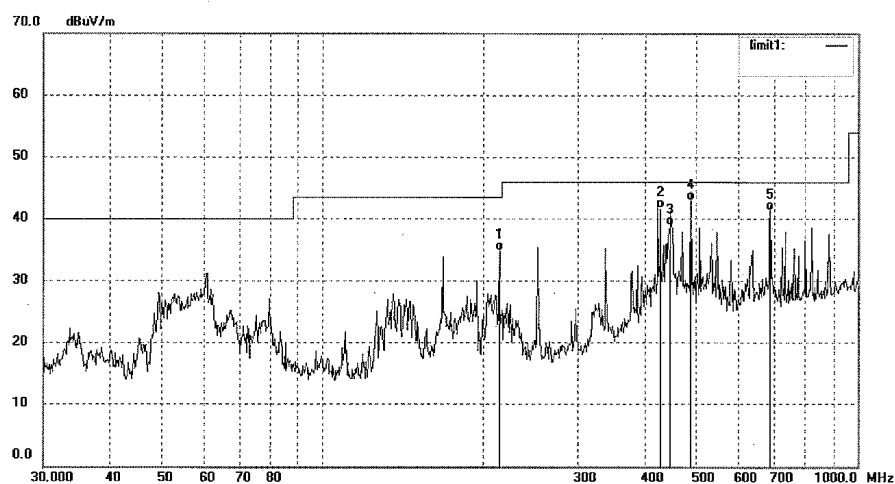


ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: YH #2	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/04/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 8/54/51
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: CD Playing	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	213.7576	46.87	-11.95	34.92	43.50	-8.58	QP			
2	427.5148	47.80	-6.10	41.70	46.00	-4.30	QP			
3	448.8158	44.70	-5.80	38.90	46.00	-7.10	QP			
4	491.5176	48.05	-5.15	42.90	46.00	-3.10	QP			
5	684.0220	43.29	-1.98	41.31	46.00	-4.69	QP			

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



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

Site: 2# Chamber

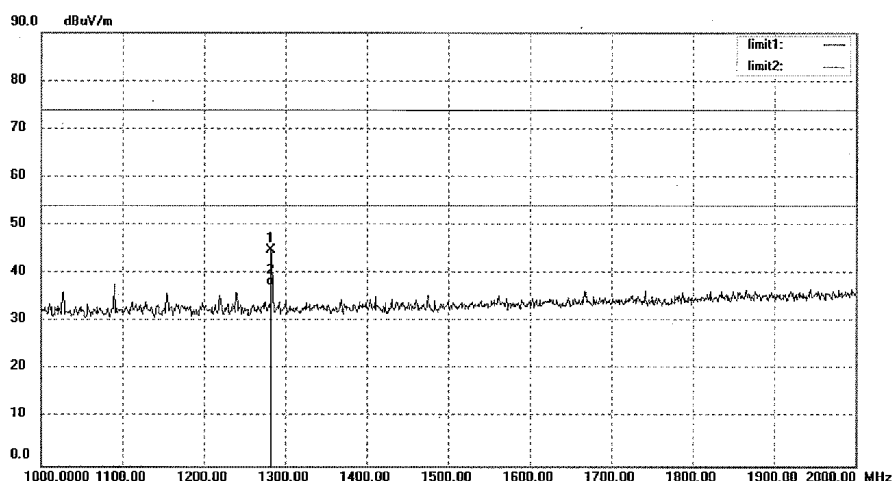
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #23
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: CD Playing
Model: NS-SH513
Manufacturer:

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/05/04/
Time: 10:38:24
Engineer Signature:
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	1282.568	57.04	-12.23	44.81	74.00	-29.19	peak			
2	1282.568	49.63	-12.23	37.40	54.00	-16.60	AVG			

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



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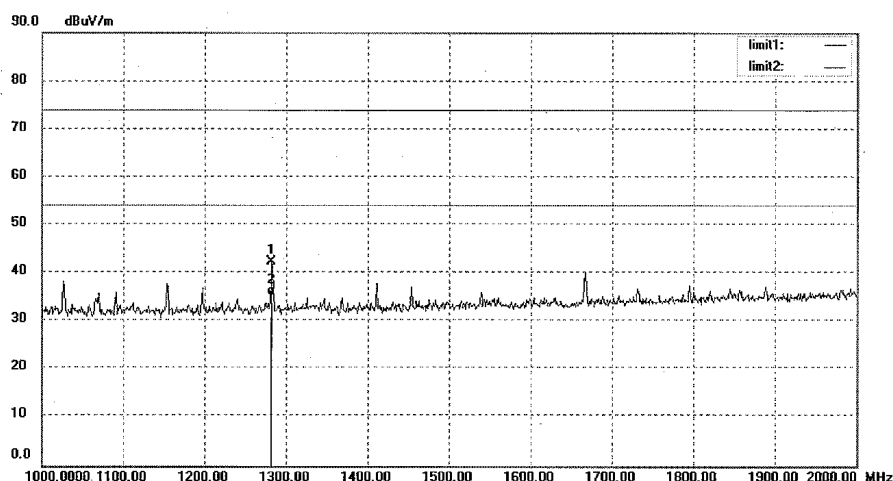
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #24	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/04
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10:47:07
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: CD Playing	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1282.575	54.54	-12.23	42.31	74.00	-31.69	peak			
2	1282.575	47.63	-12.23	35.40	54.00	-18.60	AVG			

Figure 87: Test figure of Radiated emissions, Mode D, Below 1GHz, Horizontal



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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #5

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: Aux in

Model: NS-SH513

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

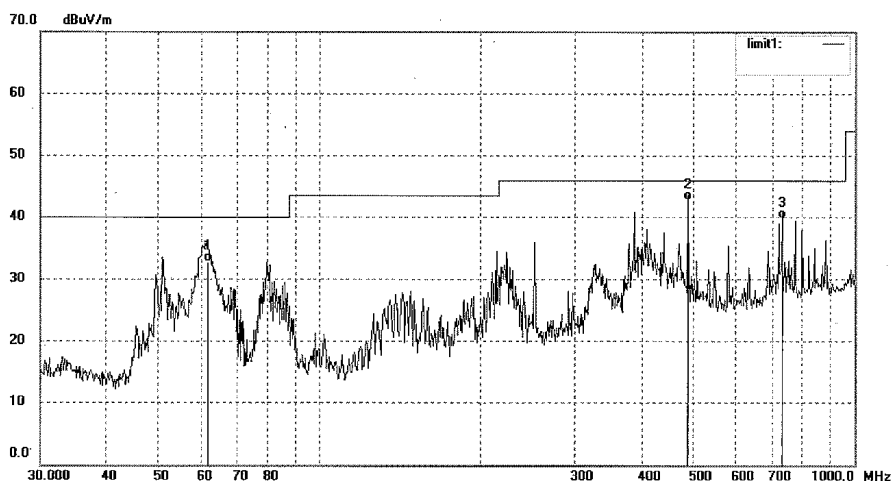
Date: 13/05/04/

Time: 9/32/31

Engineer Signature:

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	61.8290	47.41	-14.60	32.81	40.00	-7.19	QP			
2	491.5114	47.86	-5.15	42.71	46.00	-3.29	QP			
3	726.7702	41.20	-1.39	39.81	46.00	-6.19	QP			

Figure 88: Test figure of Radiated emissions, Mode D, Below 1GHz, Vertical



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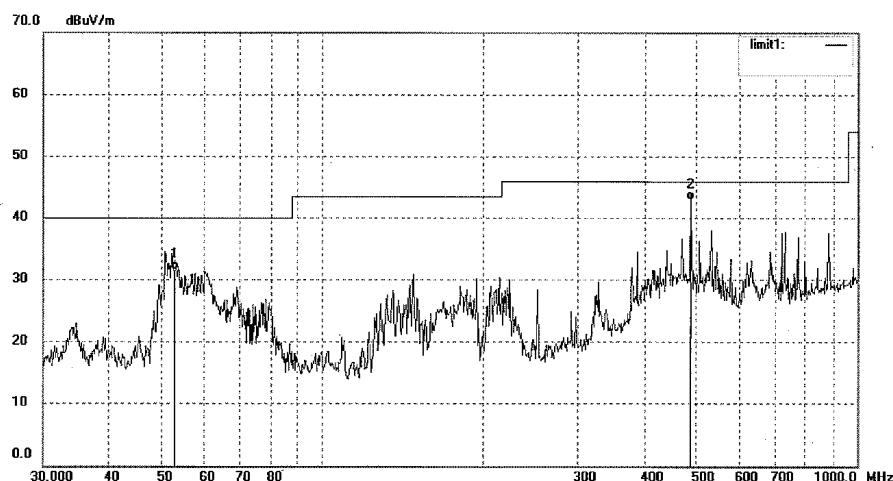
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #6	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/04/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/40/26
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: Aux in	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	53.3750	44.37	-12.85	31.52	40.00	-8.48	QP			
2	491.5039	48.05	-5.15	42.90	46.00	-3.10	QP			

Figure 89: Test figure of Radiated emissions, Mode D, Above 1GHz, Horizontal



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Fax:+86-0755-26503396

Job No.: YH #27

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: Aux in

Model: NS-SH513

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

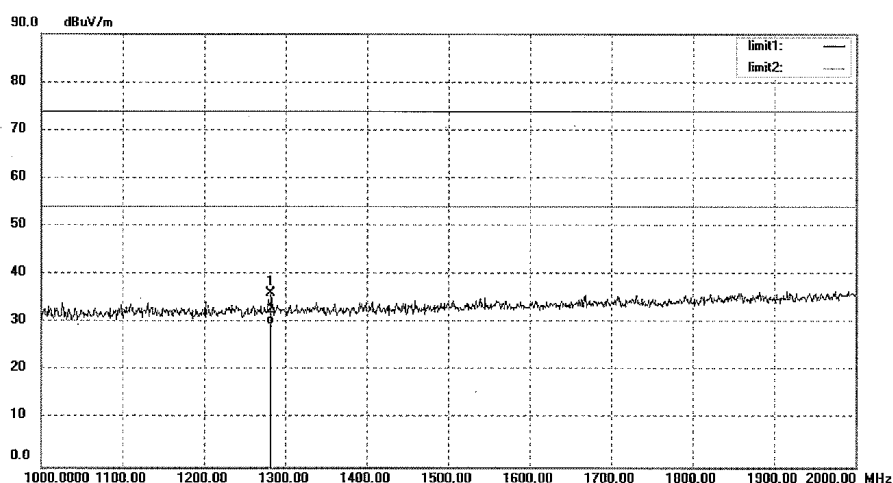
Date: 2013/05/04

Time: 11:16:10

Engineer Signature:

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	1282.499	48.39	-12.24	36.15	74.00	-37.85	peak			
2	1282.499	41.84	-12.24	29.60	54.00	-24.40	AVG			

Figure 90: Test figure of Radiated emissions, Mode D, Above 1GHz, Vertical



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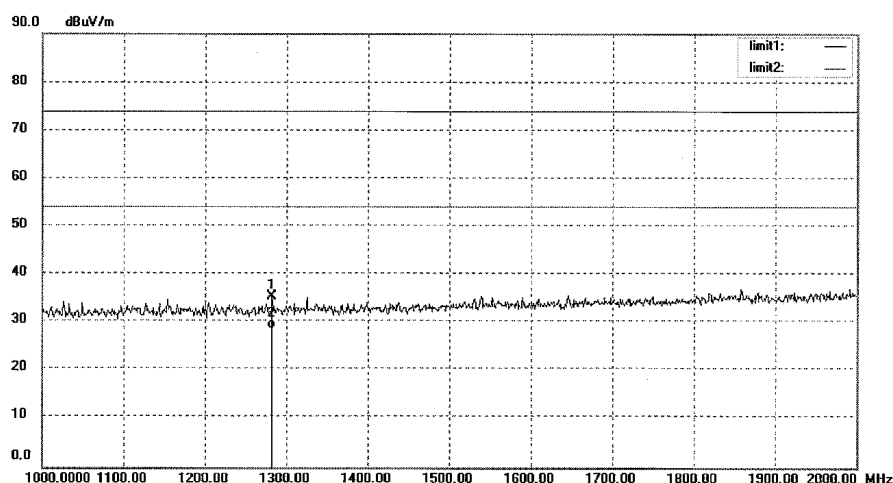
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #28	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/04
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 11:25:25
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: Aux in	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1282.522	47.58	-12.23	35.35	74.00	-38.65	peak			
2	1282.522	41.03	-12.23	28.80	54.00	-25.20	AVG			

Figure 91: Test figure of Radiated emissions, Mode E, Below 1GHz, Horizontal



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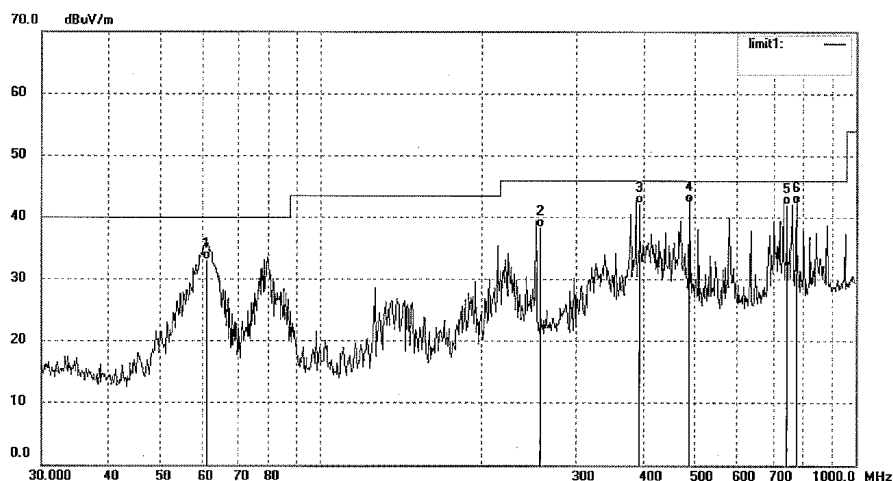
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #4	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/04/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/23/06
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: USB Playing	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	61.8170	47.70	-14.59	33.11	40.00	-6.89	QP			
2	256.4979	49.13	-10.74	38.39	46.00	-7.61	QP			
3	393.2104	49.43	-7.09	42.34	46.00	-3.66	QP			
4	491.5239	47.52	-5.15	42.37	46.00	-3.63	QP			
5	737.2680	43.38	-1.25	42.13	46.00	-3.87	QP			
6	769.5135	42.95	-0.71	42.24	46.00	-3.76	QP			

Figure 92: Test figure of Radiated emissions, Mode E, Below 1GHz, Vertical



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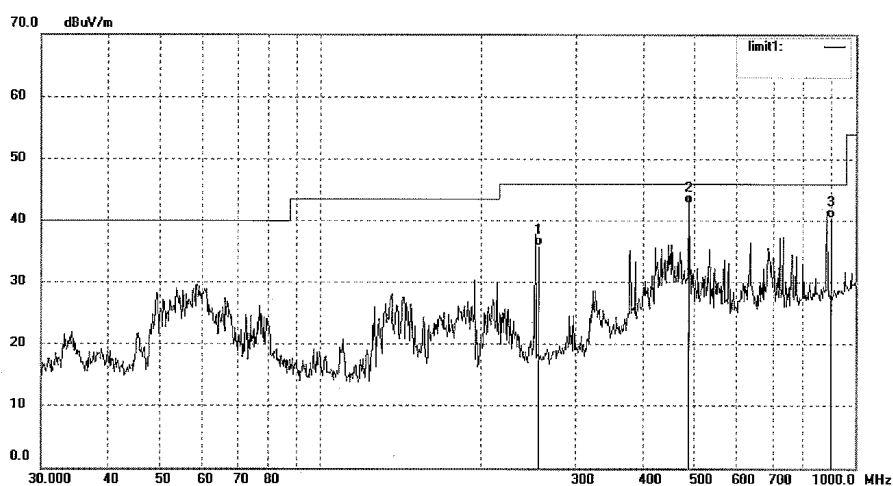
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #3	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/05/04/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/12/35
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: USB Playing	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	256.5023	46.74	-10.74	36.00	46.00	-10.00	QP			
2	491.5275	47.95	-5.15	42.80	46.00	-3.20	QP			
3	897.7648	39.30	1.27	40.57	46.00	-5.43	QP			

Figure 93: Test figure of Radiated emissions, Mode E, Above 1GHz, Horizontal



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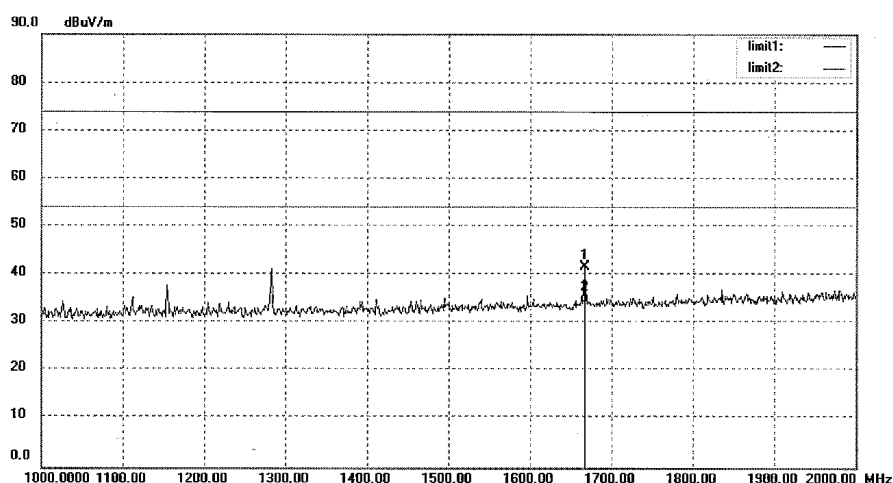
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #26	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/04
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 11:07:19
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: USB Playing	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1667.258	52.29	-10.60	41.69	74.00	-32.31	peak			
2	1667.258	45.01	-10.60	34.41	54.00	-19.59	AVG			

Figure 94: Test figure of Radiated emissions, Mode E, Above 1GHz, Vertical



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

Job No.: YH #25

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: USB Playing

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

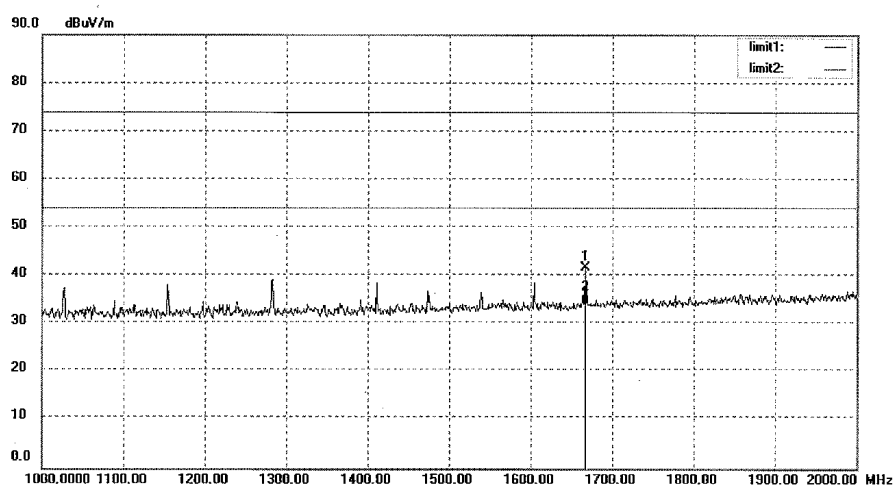
Date: 2013/05/04

Time: 10:56:23

Engineer Signature:

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	1667.359	52.44	-10.60	41.84	74.00	-32.16	peak			
2	1667.359	45.20	-10.60	34.60	54.00	-19.40	AVG			

Figure 95: Test figure of Radiated emissions, Mode F.1, Below 1GHz, Horizontal



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Site: 2# Chamber

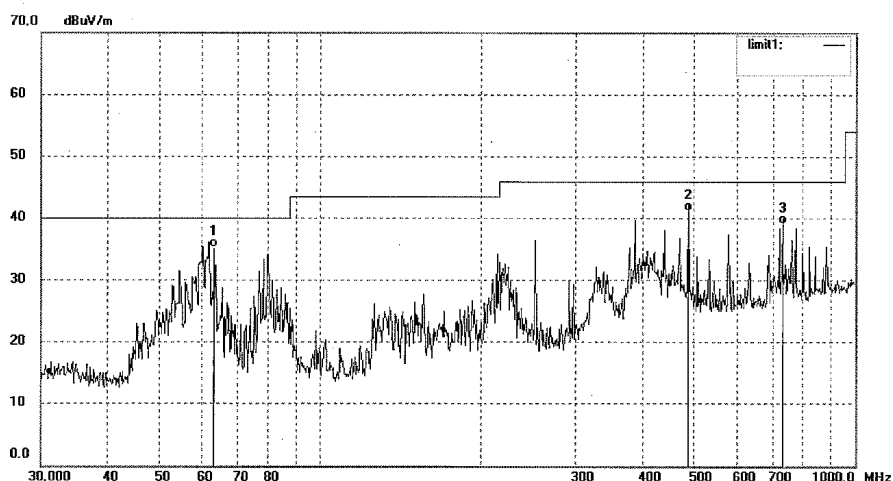
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #7
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: FM 88MHz
Model: NS-SH513
Manufacturer:

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/05/04/
Time: 9/49/58
Engineer Signature:
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	62.5889	50.04	-14.86	35.18	40.00	-4.82	QP			
2	491.5245	46.42	-5.15	41.27	46.00	-4.73	QP			
3	726.7649	40.45	-1.39	39.06	46.00	-6.94	QP			

Figure 96: Test figure of Radiated emissions, Mode F.1, Below 1GHz, Vertical



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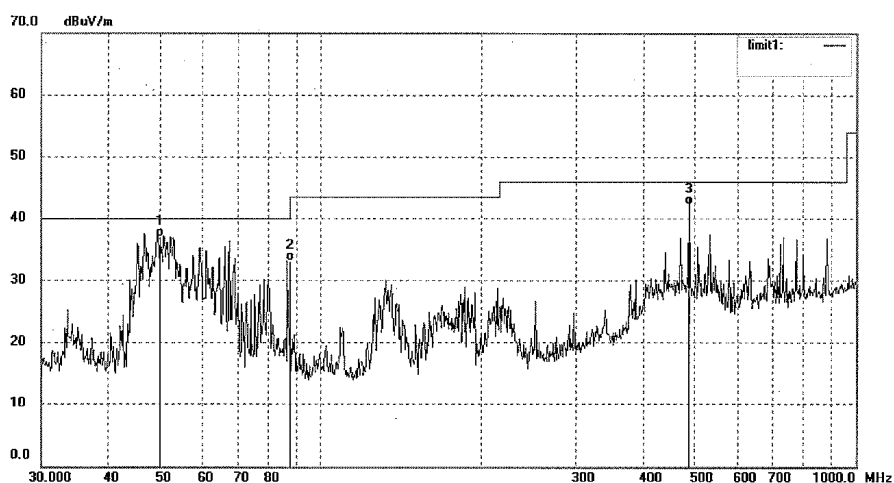
Site: 2# Chamber

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

Job No.: YH #8
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: FM 88MHz
Model: NS-SH513
Manufacturer:

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/05/04/
Time: 9/59/18
Engineer Signature:
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	50.3000	49.57	-12.63	36.94	40.00	-3.06	QP			
2	88.1000	46.40	-13.19	33.21	43.50	-10.29	QP			
3	491.5170	47.38	-5.15	42.23	46.00	-3.77	QP			

Figure 97: Test figure of Radiated emissions, Mode F.1, Above 1GHz, Horizontal

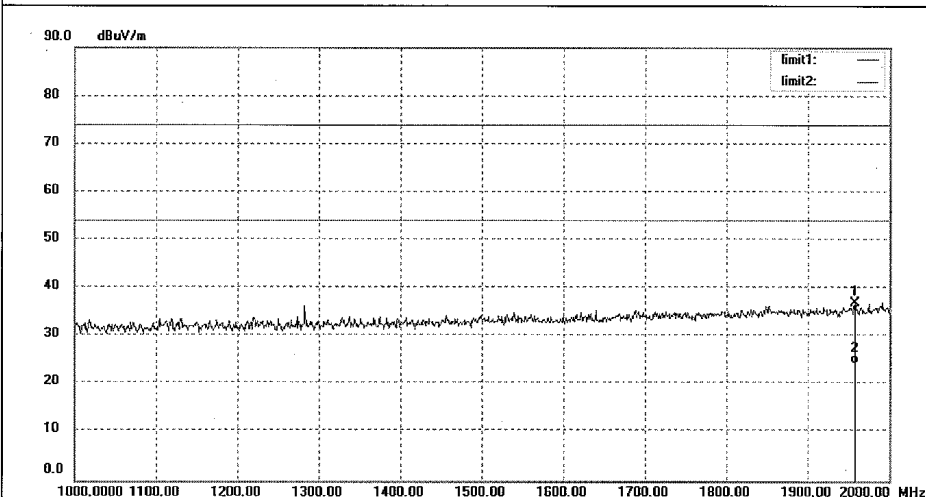


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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: YH #30	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/04
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 11:44:06
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: FM 88MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1957.953	46.35	-9.26	37.09	74.00	-36.91	peak			
2	1957.953	33.66	-9.26	24.40	54.00	-29.60	AVG			

Figure 98: Test figure of Radiated emissions, Mode F.1, Above 1GHz, Vertical



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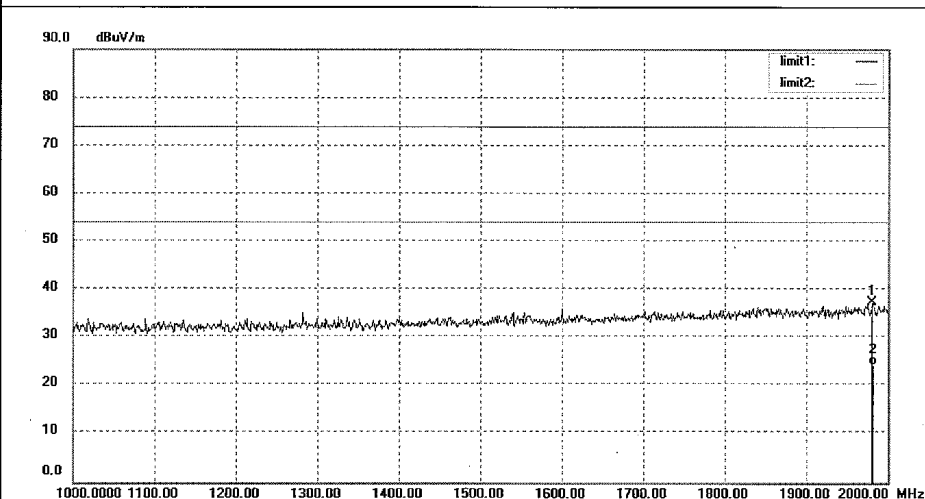
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #29	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/04
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 11:34:50
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: FM 88MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1980.429	46.51	-9.12	37.39	74.00	-36.61	peak			
2	1980.429	33.62	-9.12	24.50	54.00	-29.50	AVG			

Figure 99: Test figure of Radiated emissions, Mode F.2, Below 1GHz, Horizontal



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Site: 2# Chamber

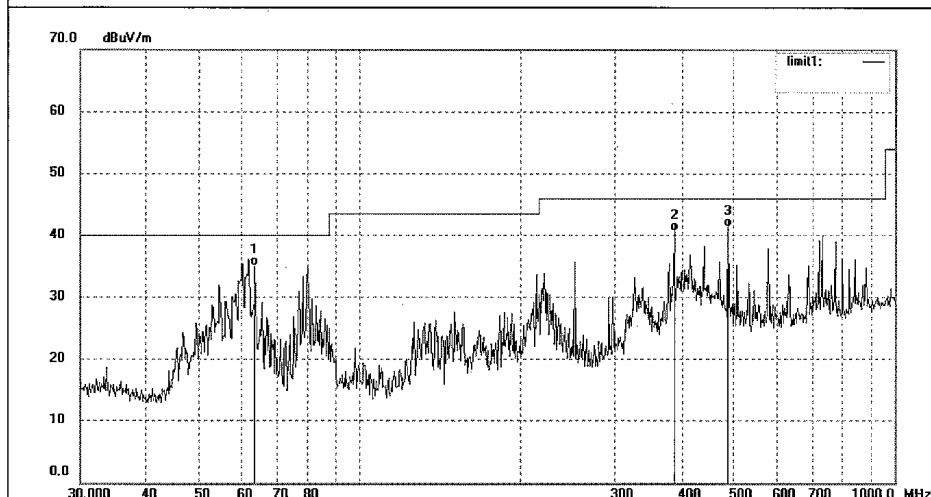
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #10
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: FM 98MHz
Model: NS-SH513
Manufacturer:

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/05/04/
Time: 10/19/22
Engineer Signature:
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	62.5976	49.93	-14.87	35.06	40.00	-4.94	QP			
2	384.7601	47.95	-7.29	40.66	46.00	-5.34	QP			
3	493.2089	46.49	-5.10	41.39	46.00	-4.61	QP			

Figure 100: Test figure of Radiated emissions, Mode F.2, Below 1GHz, Vertical



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Site: 2# Chamber

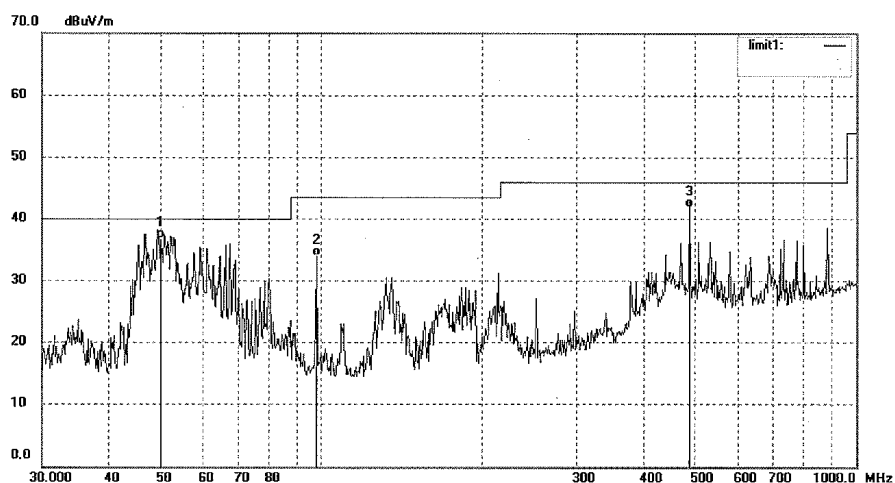
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #9
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: FM 98MHz
Model: NS-SH513
Manufacturer:

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/05/04/
Time: 10/10/21
Engineer Signature:
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	50.3020	49.54	-12.63	36.91	40.00	-3.09	QP			
2	98.1000	46.50	-12.39	34.11	43.50	-9.39	QP			
3	491.5250	47.12	-5.15	41.97	46.00	-4.03	QP			

Figure 101: Test figure of Radiated emissions, Mode F.2, Above 1GHz, Horizontal



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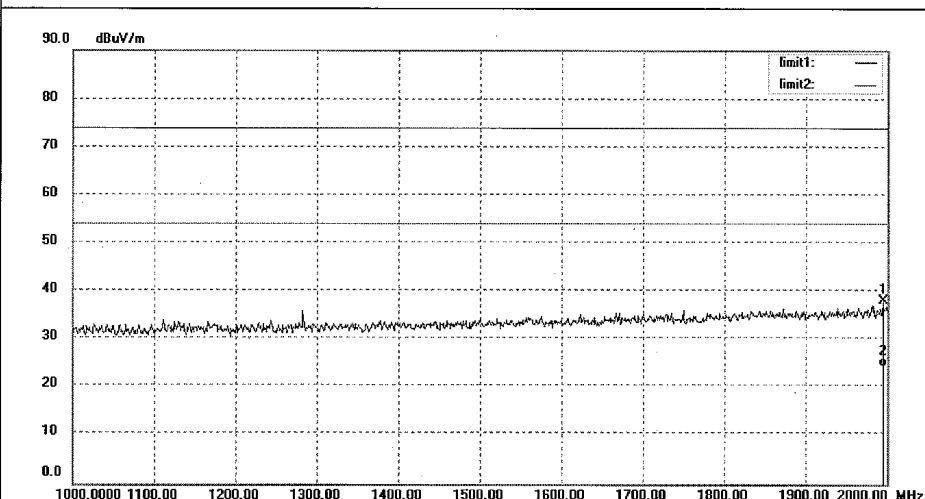
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

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

Job No.: YH #31	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/04
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 11:53:22
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: FM 98MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1994.990	47.08	-9.03	38.05	74.00	-35.95	peak			
2	1994.990	33.33	-9.03	24.30	54.00	-29.70	AVG			

Figure 102: Test figure of Radiated emissions, Mode F.2, Above 1GHz, Vertical



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

Job No.: YH #32	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/04
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12:01:51
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: FM 98MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:

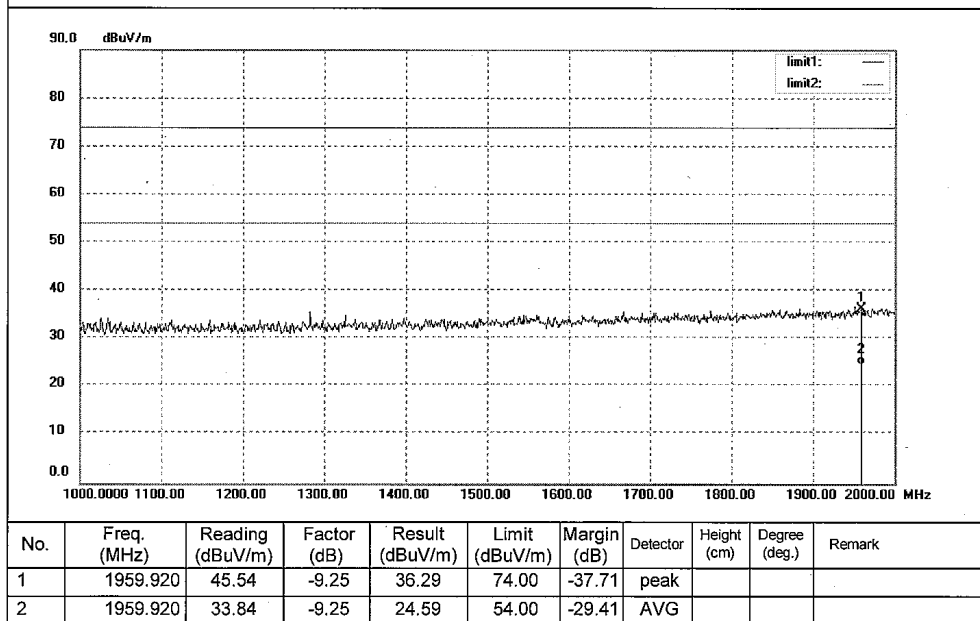


Figure 103: Test figure of Radiated emissions, Mode F.3, Below 1GHz, Horizontal



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

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

Job No.: YH #147

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: FM 108MHz

Model: NS-SH513

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

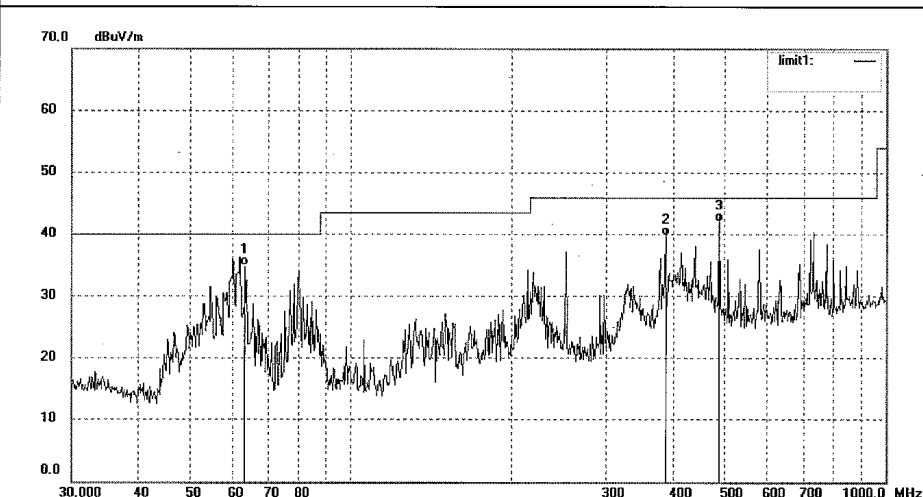
Date: 2013/05/07

Time: 14:01:11

Engineer Signature:

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	62.5899	49.74	-14.86	34.88	40.00	-5.12	QP			
2	384.7565	47.14	-7.29	39.85	46.00	-6.15	QP			
3	493.2299	47.23	-5.10	42.13	46.00	-3.87	QP			

Figure 104: Test figure of Radiated emissions, Mode F.3, Below 1GHz, Vertical



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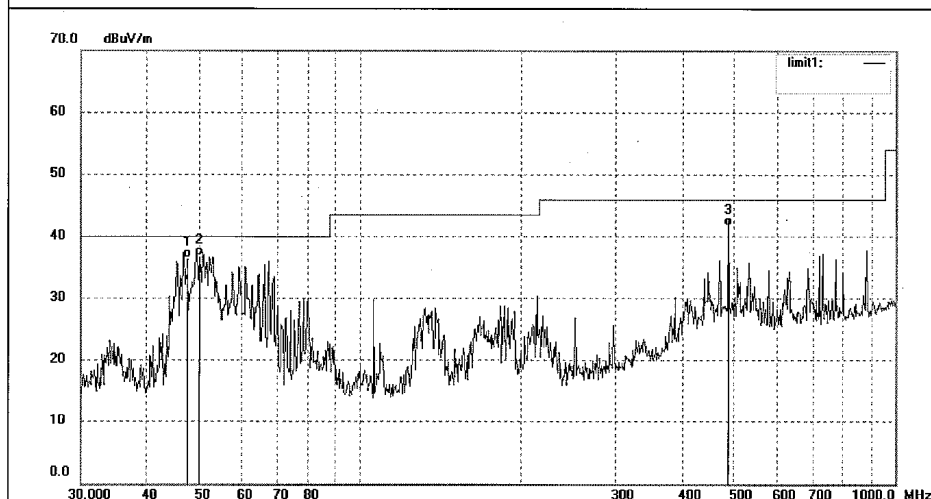
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #148
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: CD Micro System with Bluetooth
Mode: FM 108MHz
Model: NS-SH513
Manufacturer:
Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/05/07
Time: 14:11:55
Engineer Signature:
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	47.2200	49.06	-12.62	36.44	40.00	-3.56	QP			
2	50.3045	49.41	-12.63	36.78	40.00	-3.22	QP			
3	491.5030	46.95	-5.15	41.80	46.00	-4.20	QP			

Figure 105: Test figure of Radiated emissions, Mode F.3, Above 1GHz, Horizontal



ACCURATE TECHNOLOGY CO., LTD.

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

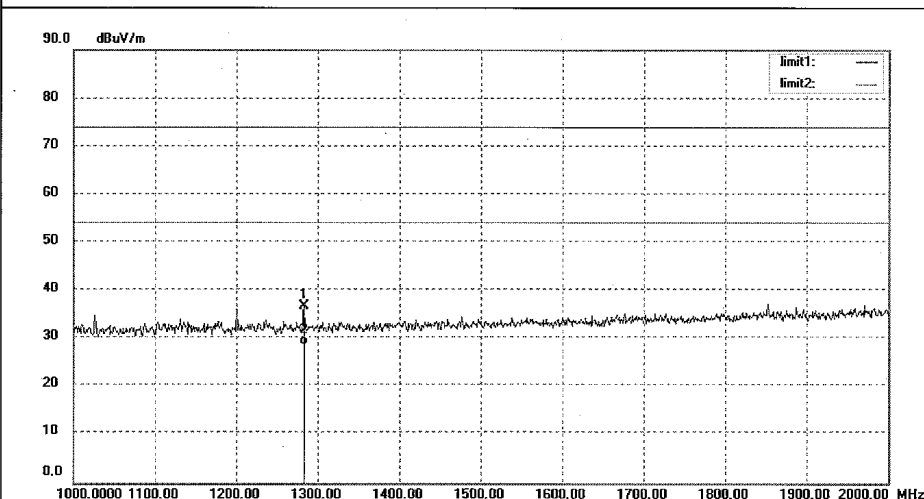
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #150	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2013/05/07
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 14:28:38
EUT: CD Micro System with Bluetooth	Engineer Signature:
Mode: FM 108MHz	Distance: 3m
Model: NS-SH513	
Manufacturer:	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1283.567	48.94	-12.23	36.71	74.00	-37.29	peak			
2	1283.567	40.94	-12.23	28.71	54.00	-25.29	AVG			

Figure 106: Test figure of Radiated emissions, Mode F.3, Above 1GHz, Vertical



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YH #149

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: CD Micro System with Bluetooth

Mode: FM 108MHz

Model: NS-SH513

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

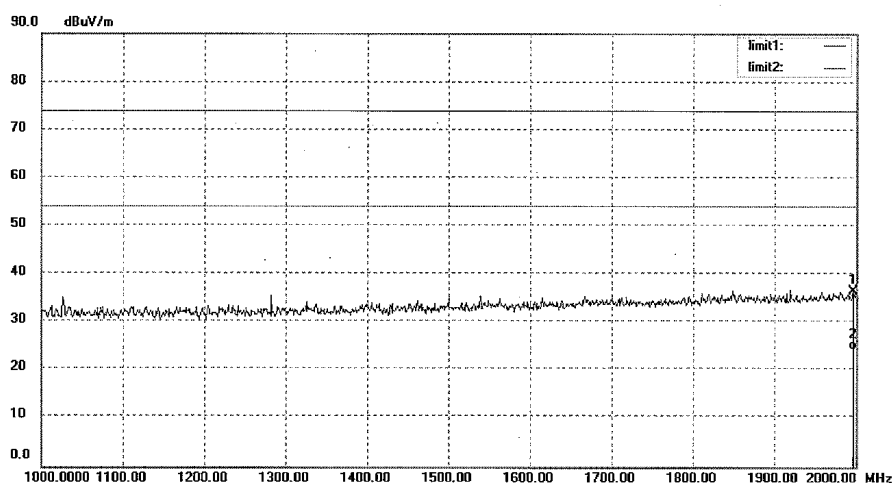
Date: 2013/05/07

Time: 14:20:75

Engineer Signature:

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	1997.614	45.66	-9.01	36.65	74.00	-37.35	peak			
2	1997.614	33.51	-9.01	24.50	54.00	-29.50	AVG			