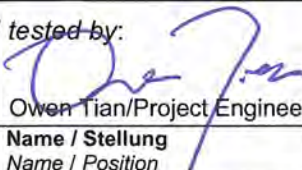


Prüfbericht-Nr.: <i>Test Report No.:</i>	17035972 001	Auftrags-Nr.: <i>Order No.:</i>	164008261	Seite 1 von 94 <i>Page 1 of 94</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	29.09.2013	
Auftraggeber: <i>Client:</i>	Jazz Hipster Corporation, 2Fd, No.512, Yuan-San Rd.C, hung-Ho City, Taipei Hsien, Taiwan			
Prüfgegenstand: <i>Test item:</i>	2.1 Bluetooth Desktop Speaker System			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	NS-PSB4521			
Auftrags-Inhalt: <i>Order content:</i>	FCC/IC Certification			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart B Section 15.109 RSS-Gen Issue 3 December 2010 FCC KDB Publication 447498 v05r01		CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart B Section 15.107 RSS-210 Issue 8 December 2010 ICES-003 Issue 5 August 2012 RSS-102 Issue 4 March 2010	
Wareneingangsdatum: <i>Date of receipt:</i>	10.10.2013			
Prüfmuster-Nr.: <i>Test sample No.:</i>	N/A			
Prüfzeitraum: <i>Testing period:</i>	15.10.2013 - 18.10.2013			
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
 30.10.2013 Owen Tian/Project Engineer Datum Name / Stellung <i>Date</i> <i>Name / Position</i>		 30.10.2013 Sam Lin/Technical Certifier Datum Name / Stellung <i>Date</i> <i>Name / Position</i>		
Unterschrift <i>Signature</i>		Unterschrift <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 Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet 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: Pass***5.1.2 PEAK OUTPUT POWER***RESULT: Pass***5.1.3 20dB BANDWIDTH AND 99% BANDWIDTH***RESULT: Pass***5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHz BANDWIDTH***RESULT: Pass***5.1.5 SPURIOUS EMISSION***RESULT: Pass***5.1.6 FREQUENCY SEPARATION***RESULT: Pass***5.1.7 NUMBER OF HOPPING FREQUENCY***RESULT: Pass***5.1.8 TIME OF OCCUPANCY***RESULT: Pass***5.1.9 CONDUCTED EMISSIONS***RESULT: Pass***5.1.10 RADIATED EMISSIONS***RESULT: Pass***6.1.1 ELECTROMAGNETIC FIELDS***RESULT: Pass*

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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

(FCC Registration No.: 752051)

(Test site Industry Canada No.: 5077A-2)

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

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
Transmitter spurious emissions & Receiver spurious emissions				
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
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2014-01-07
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2014-01-07
RF Coaxial Cable	SUHNER	N-3m	No.8	2014-01-07
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2014-01-07
RF Coaxial Cable	SUHNER	N-6m	No.10	2014-01-07
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2014-01-07
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2014-01-07
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2014-01-07
Radio Spectrum Test				
Spectrum Analyzer	Rohde & Schwarz	ESPI3	100396/003	2014-01-07
Spectrum Analyzer	Agilent	E7405A	MY45115511	2014-01-07
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	2014-01-07
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2014-01-07
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2014-01-07
L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100310	2014-01-07
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2014-01-07
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2014-01-07
RF Coaxial Cable	SUHNER	N-2m	No.3	2014-01-07
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
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2014-01-07
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2014-01-07
RF Coaxial Cable	SUHNER	N-3m	No.8	2014-01-07
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	2014-01-07
RF Coaxial Cable	SUHNER	N-6m	No.10	2014-01-07
RF Coaxial Cable	RESENBERGER	N-12m	No.11	2014-01-07
RF Coaxial Cable	RESENBERGER	N-0.5m	No.12	2014-01-07
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2014-01-07

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, 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

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Spectrum	$< \pm 0.60$ dB
Radiated emission of transmitter, valid up to 12.75 GHz	$< \pm 4.42$ dB
Radiated emission of receiver, valid up to 12.75 GHz	$< \pm 4.42$ dB
Conducted Emission	$< \pm 2.23$ dB
Radiated Emission	$< \pm 4.42$ dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Accurate Technology Co., Ltd. Test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan, Shenzhen, P.R. China and 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 a Bluetooth 2.1 speaker system used for audio entertainment in house or similar environment. It operates at 2.4GHz ISM frequency band.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Bluetooth Speaker
Type Designation	NS-PSB4521
FCC ID	TQYBSMS5322WA00
IC	6233A-BS5322WA
Bluetooth version	3.0 + EDR
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	-20~+45°C
Operation Voltage	AC 120V, 60Hz
Modulation	GFSK, 8DPSK, $\pi/4$ DQPSK
Antenna Gain	0dBi

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth mode
 - a. Transmitting
 - b. Receiving
 - 2. AUX input
- B. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

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3.5 Submitted Documents

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

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2009.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	S/N
iPod	Apple	A1238	8K039T1Y9ZU

The EUT was tested with following cables:

Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
Line input	2 cores, non-shielded port, 3m	Audio Input

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

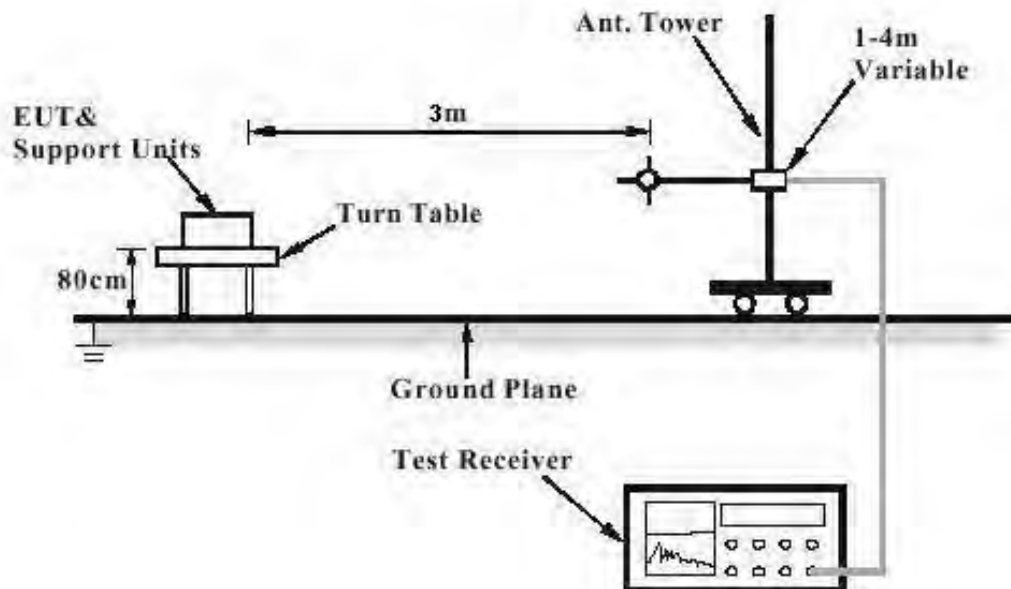


Diagram of Measurement Equipment Configuration for Conduction Measurement

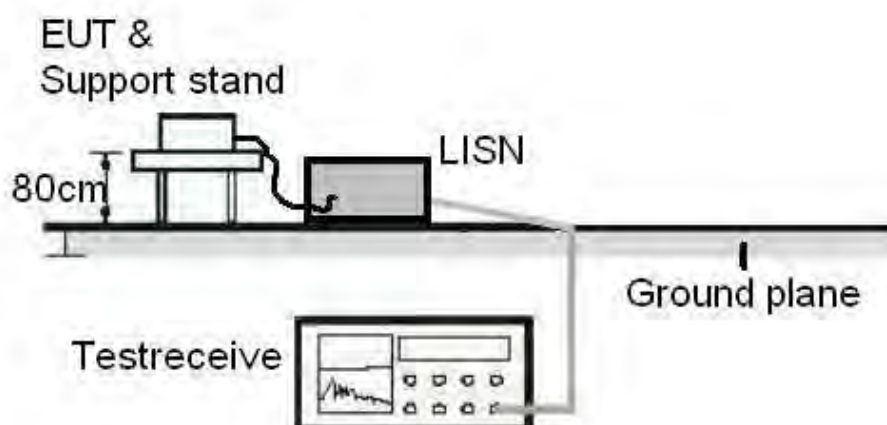
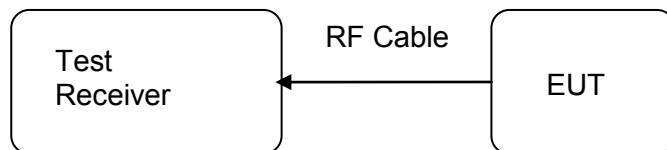


Diagram of Measurement Equipment Configuration for Transmitter Measurement

5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass**

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 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 0dBi, therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Peak Output Power**RESULT:****Pass**

Test date : 2013-10-15
Test standard : FCC Part 15.247(b)(1)
RSS-210 A8.4(2)
Basic standard : ANSI C63.4: 2009
Limit : 21dBm/125mW
Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.1.a
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa

Table 4: Test result of Peak Output Power

Channel	Channel Frequency (MHz)	Peak Output Power (dBm)		Limit (dBm)
		BDR	EDR	
Low Channel	2402	-4.02	-3.31	21
Middle Channel	2441	-5.24	-4.47	21
High Channel	2480	-6.30	-5.51	21

5.1.3 20dB Bandwidth and 99% Bandwidth

RESULT:

Pass

Date of testing	:	2013-10-15
Test standard	:	FCC Part 15.247(a)(1) RSS-210 A8.1(a)
Basic standard	:	ANSI C63.4: 2009
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

Table 5: Test result of 20dB & 99% Bandwidth

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)		99% Bandwidth (MHz)	
		BDR	EDR	BDR	EDR
Low Channel	2402	0.894	1.248	0.996	1.398
Mid Channel	2441	0.888	1.236	0.996	1.338
High Channel	2480	0.888	1.242	0.984	1.302

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5.1.4 Conducted Spurious Emissions measured in 100kHz Bandwidth**RESULT:****Pass**

Date of testing	:	2013-10-15
Test standard	:	FCC part 15.247(d) RSS-210 A8.5
Basic standard	:	ANSI C63.4: 2009
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	:	Shield room

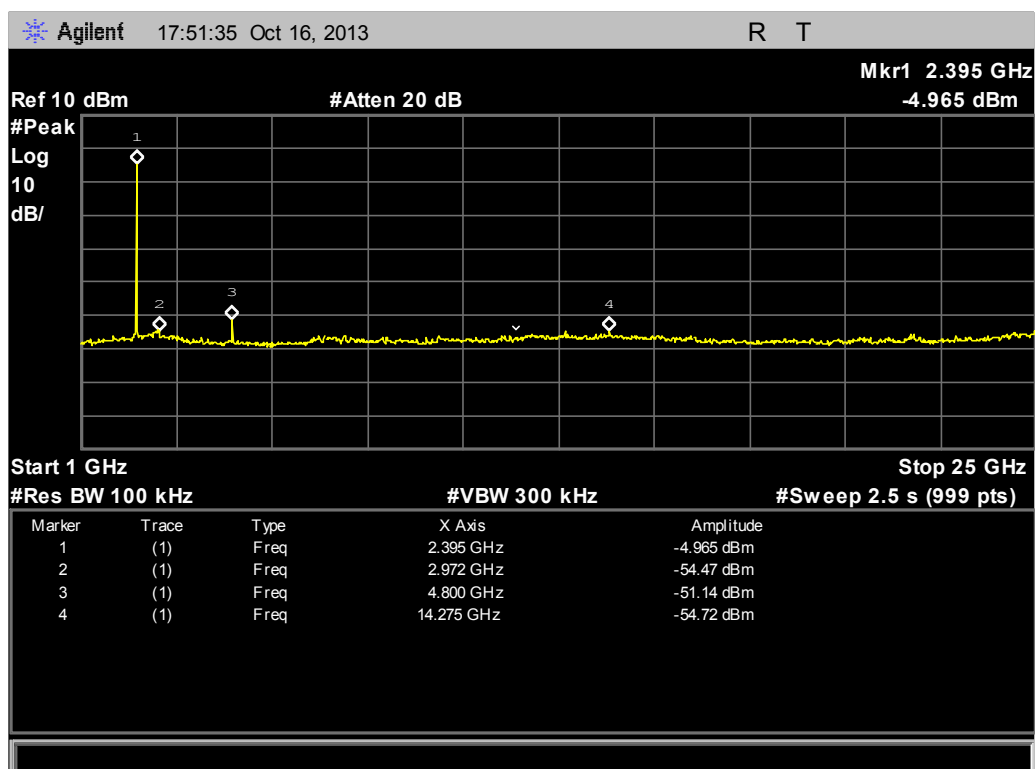
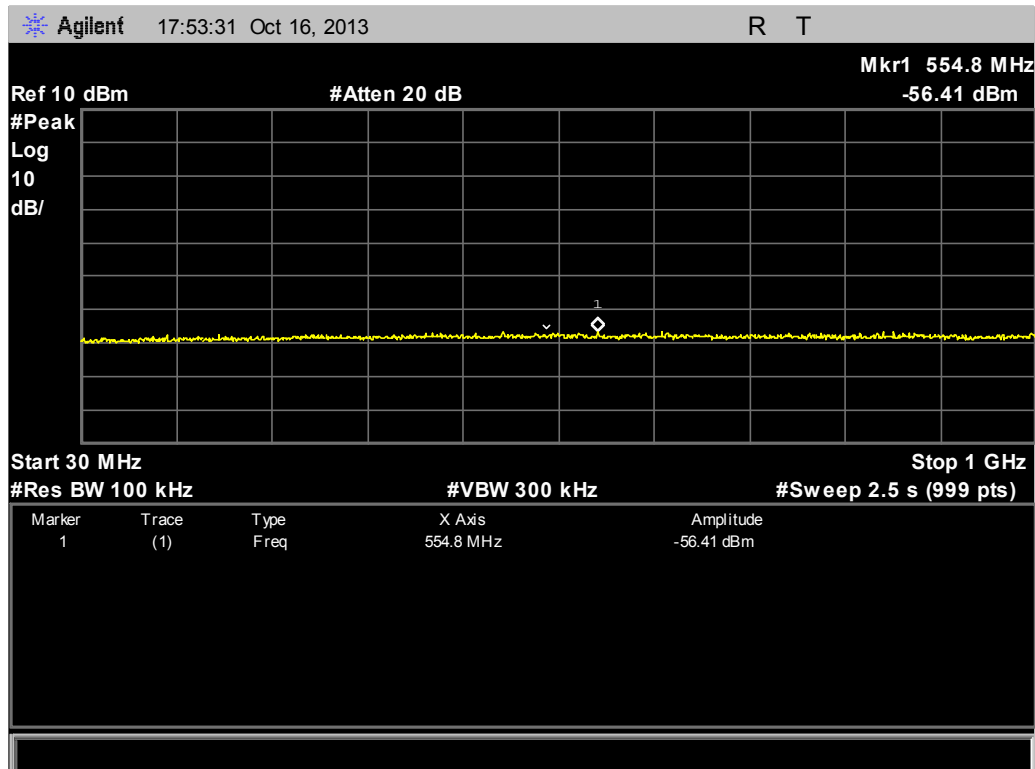
Test setup

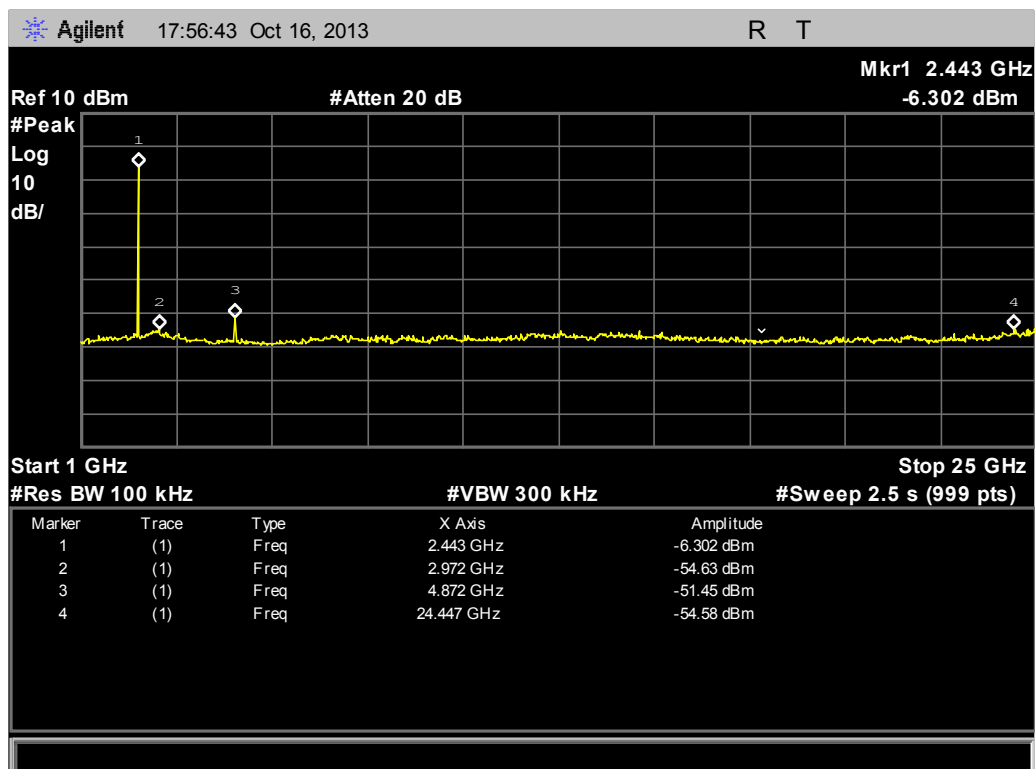
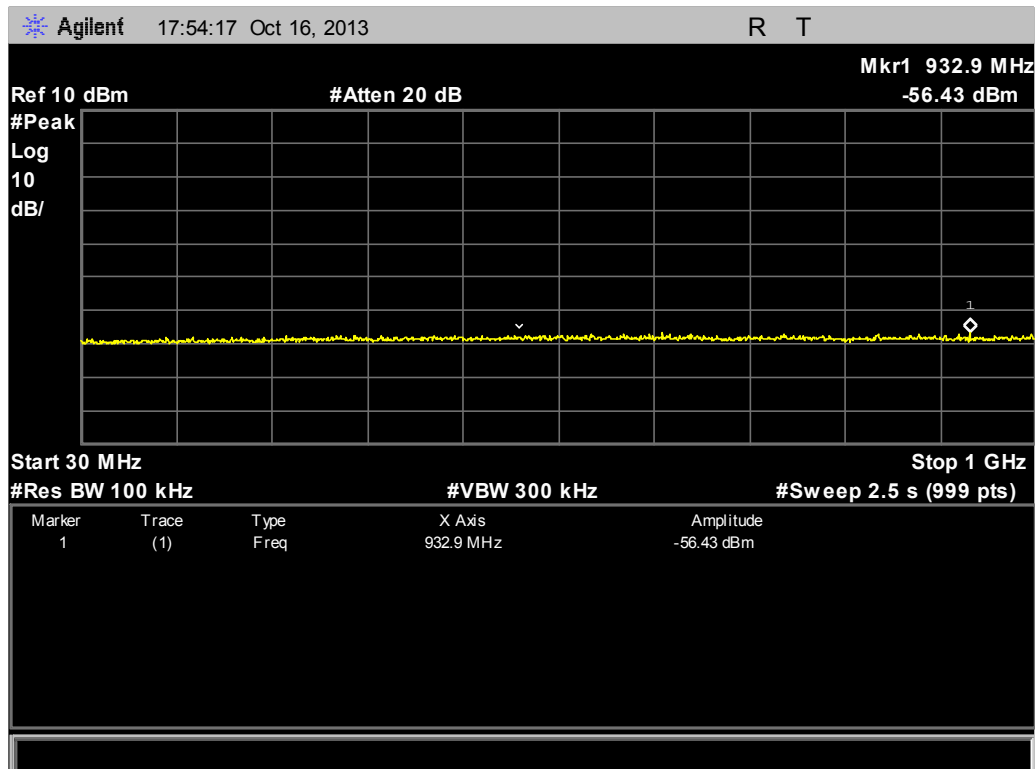
Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

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

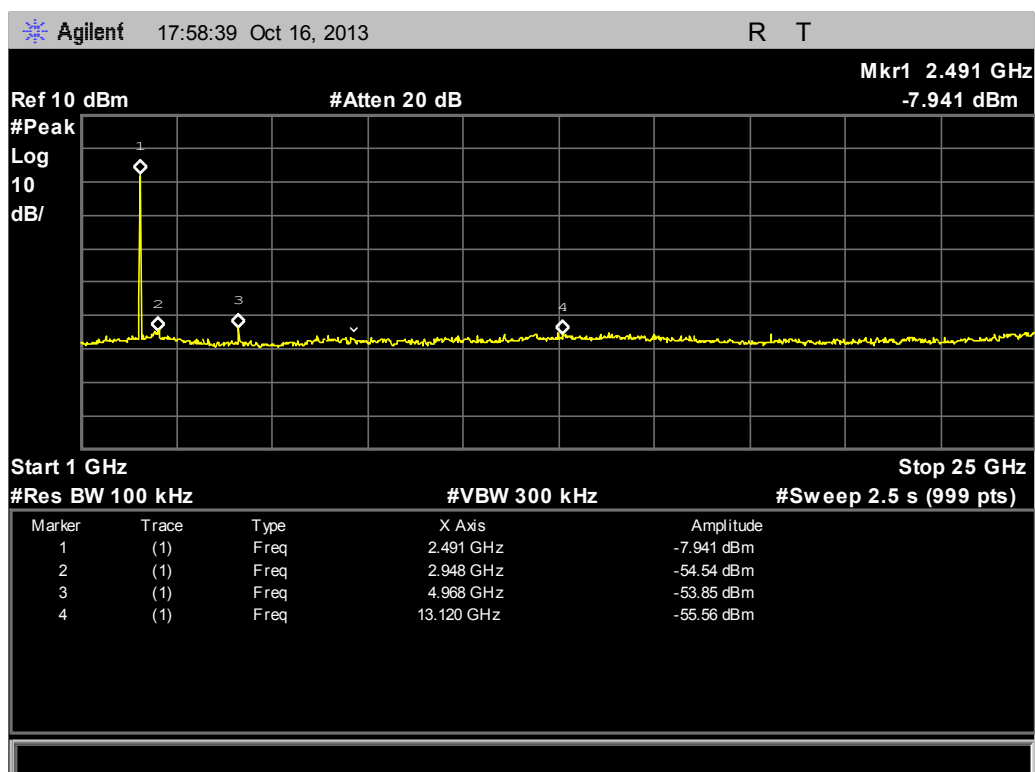
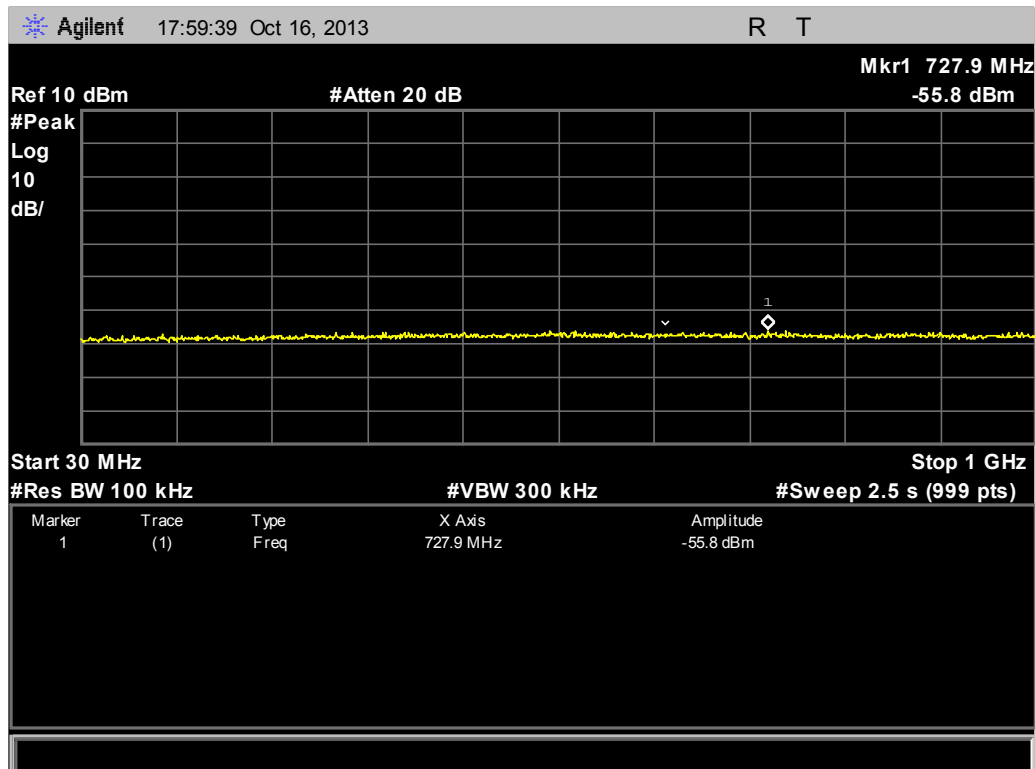
Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode

Low Channel



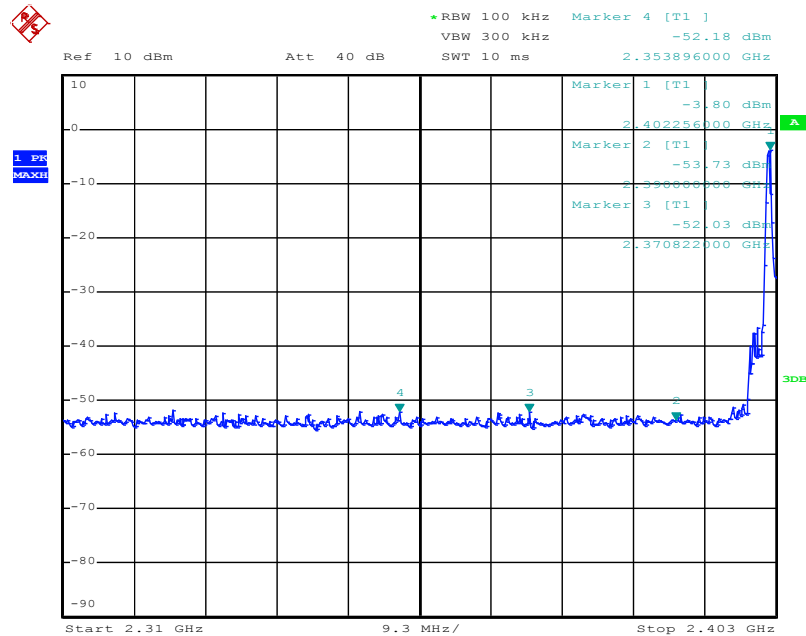
Middle Channel


High Channel



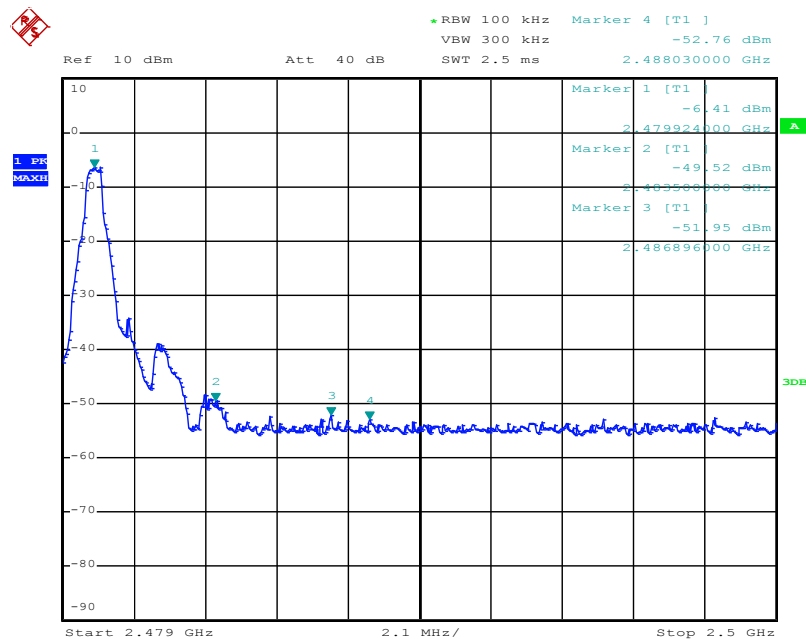
Test Plot of 100 kHz Bandwidth of Frequency Band Edge

Low Channel



Date: 15.OCT.2013 15:59:10

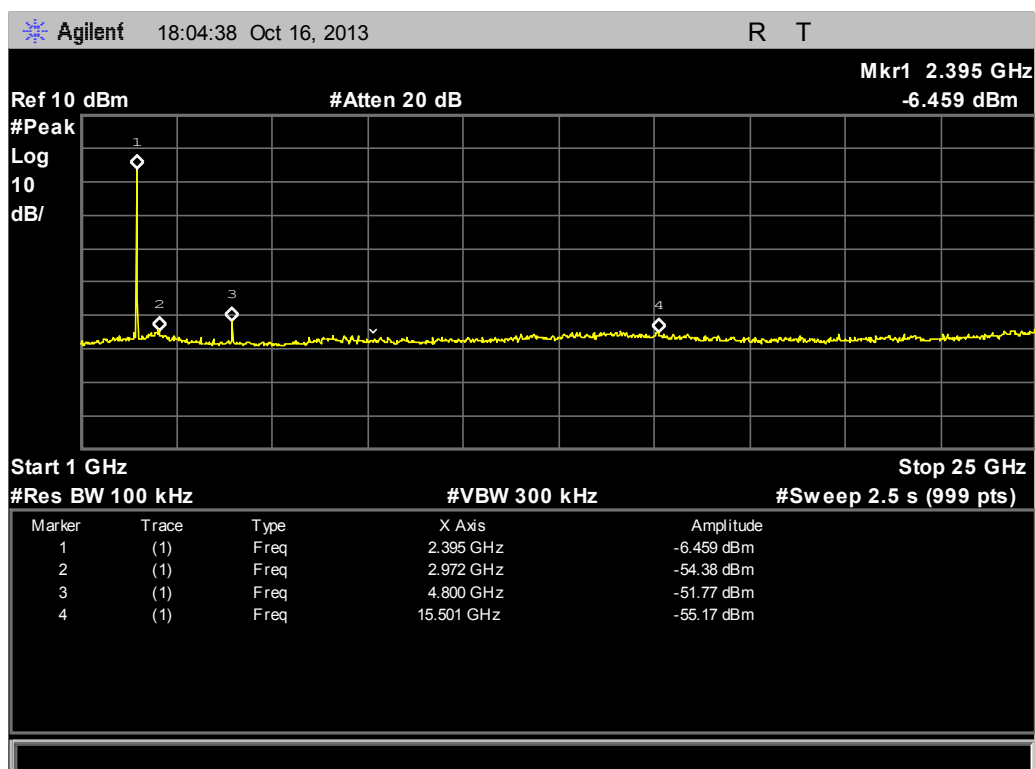
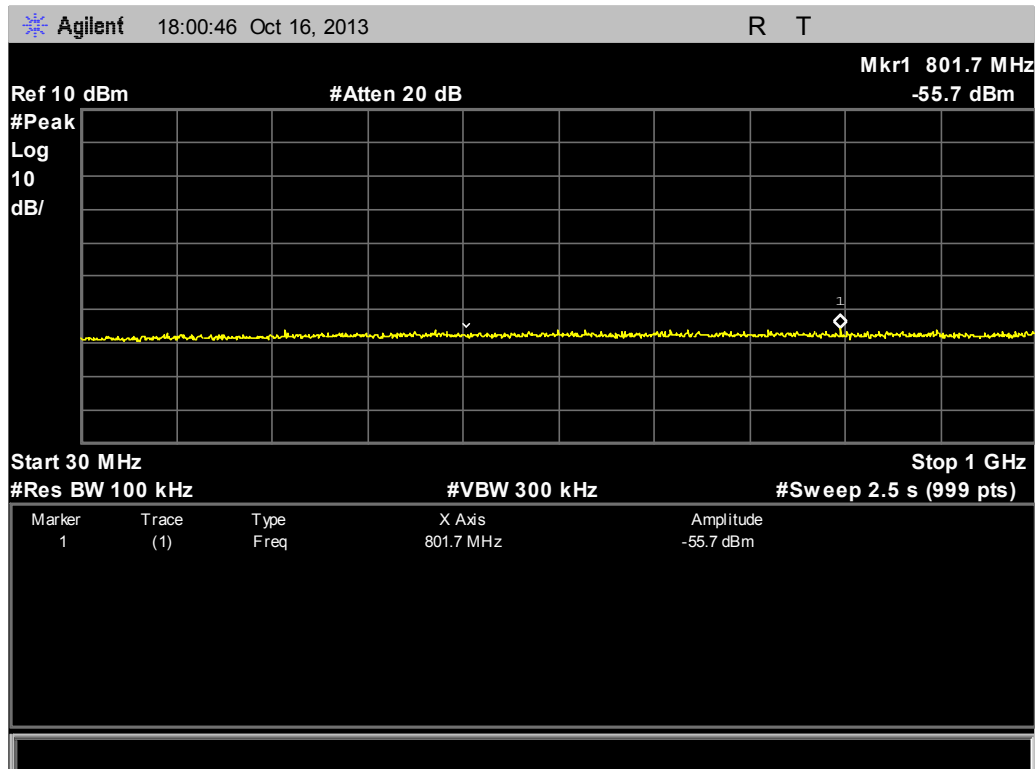
High Channel

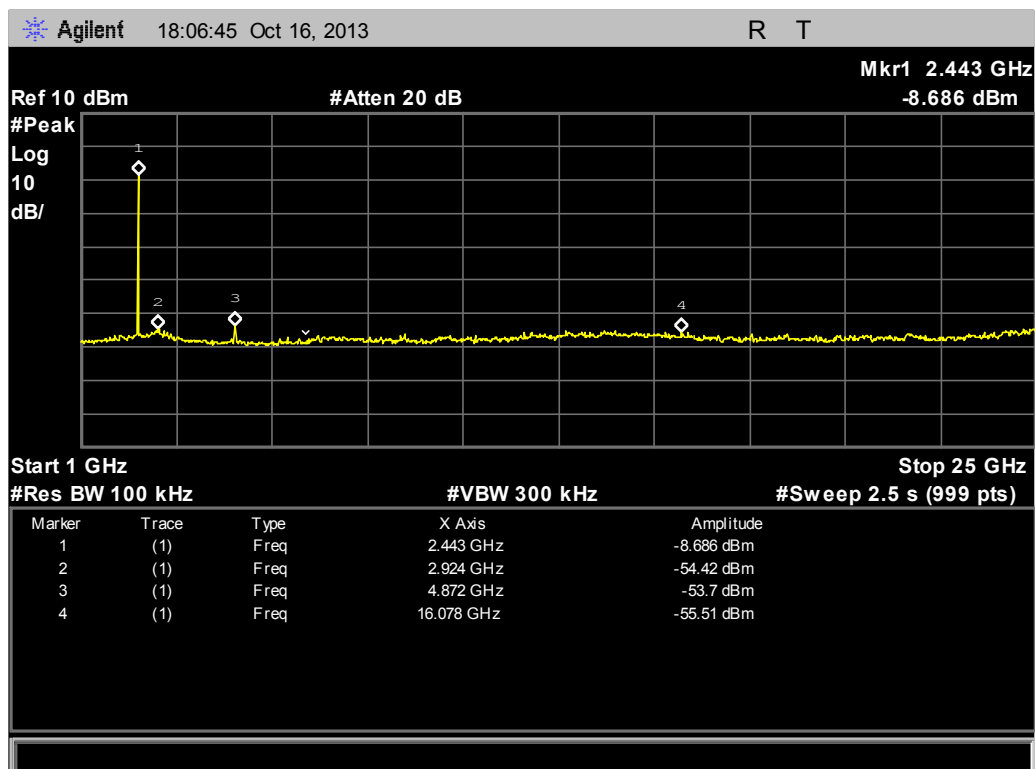
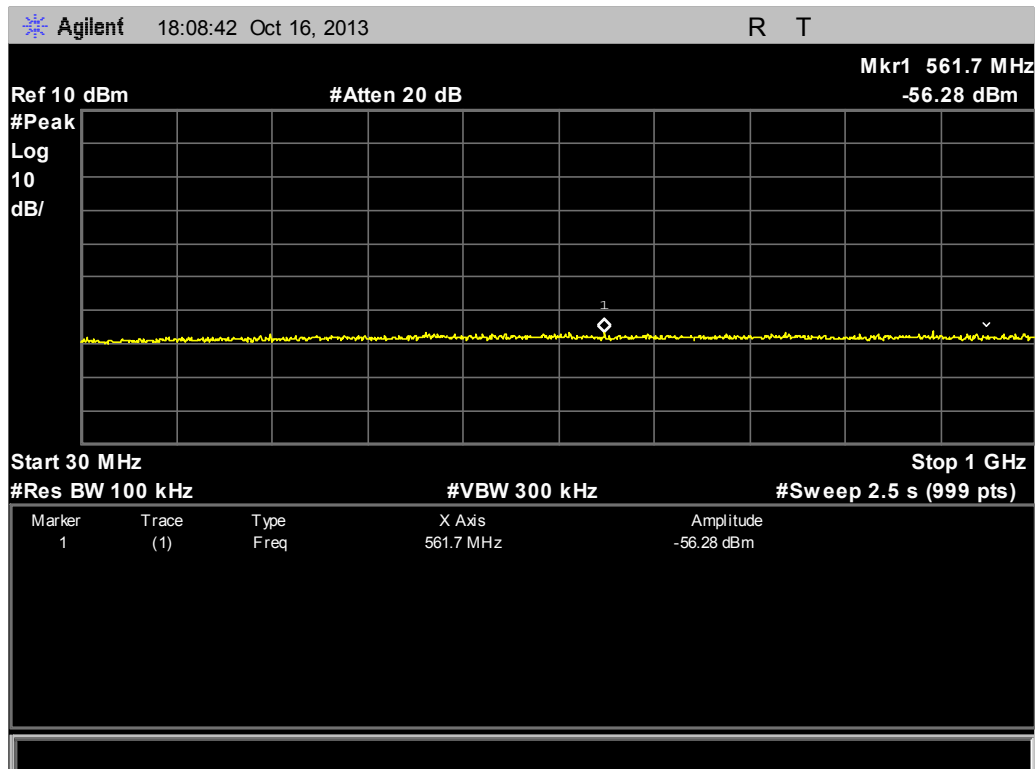


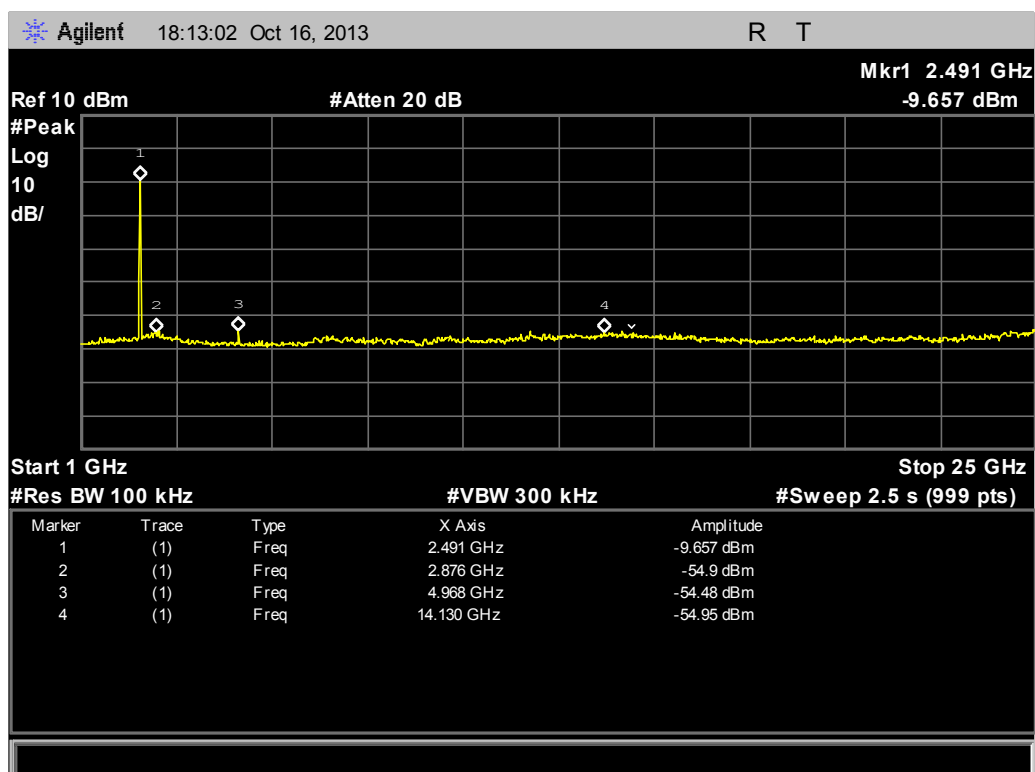
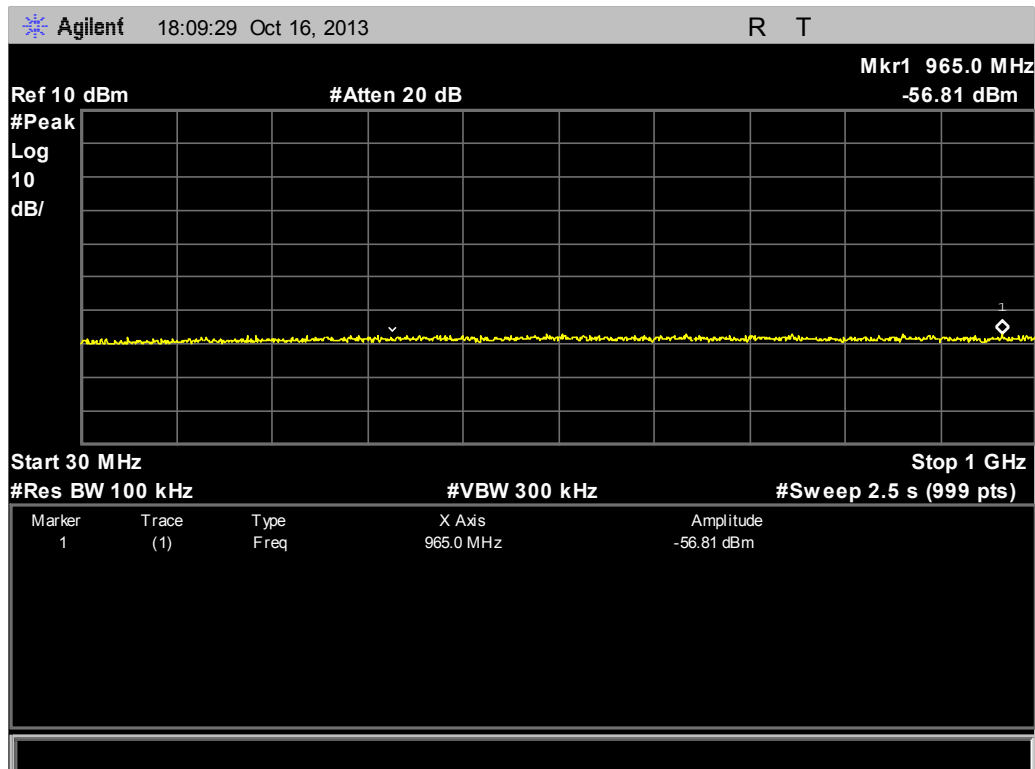
Date: 15.OCT.2013 16:02:42

Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

Low Channel

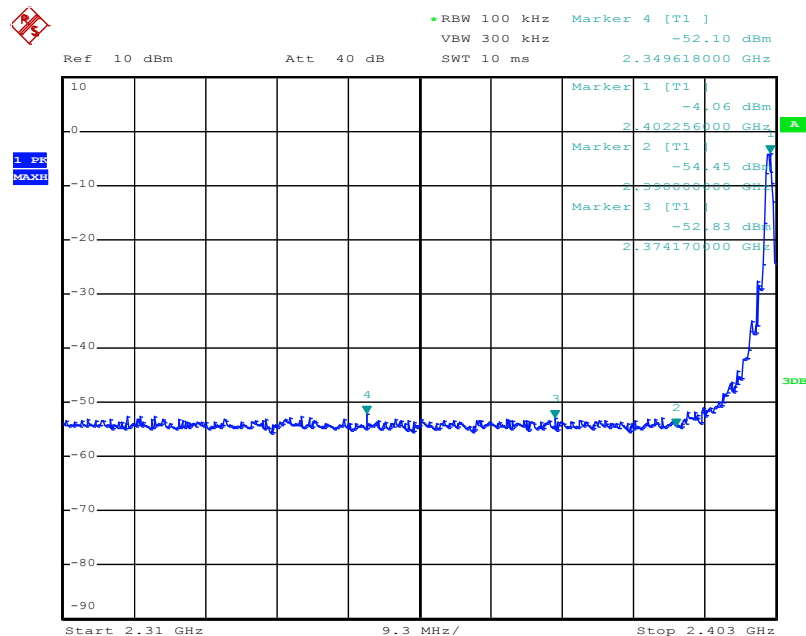


Middle Channel


High Channel


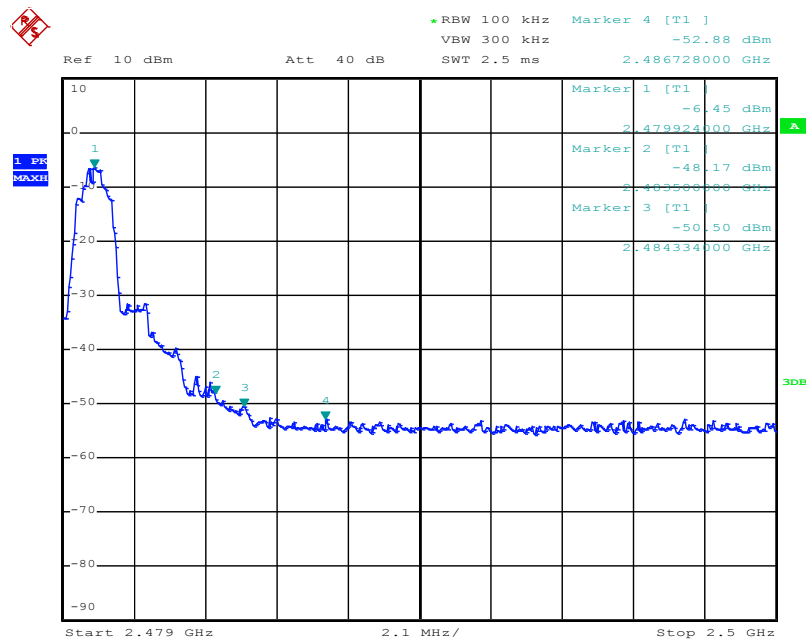
Test Plot of 100 kHz Bandwidth of Frequency Band Edge

Low Channel



Date: 15.OCT.2013 16:00:16

High Channel



Date: 15.OCT.2013 16:01:45

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5.1.5 Spurious Emission

RESULT:**Pass**

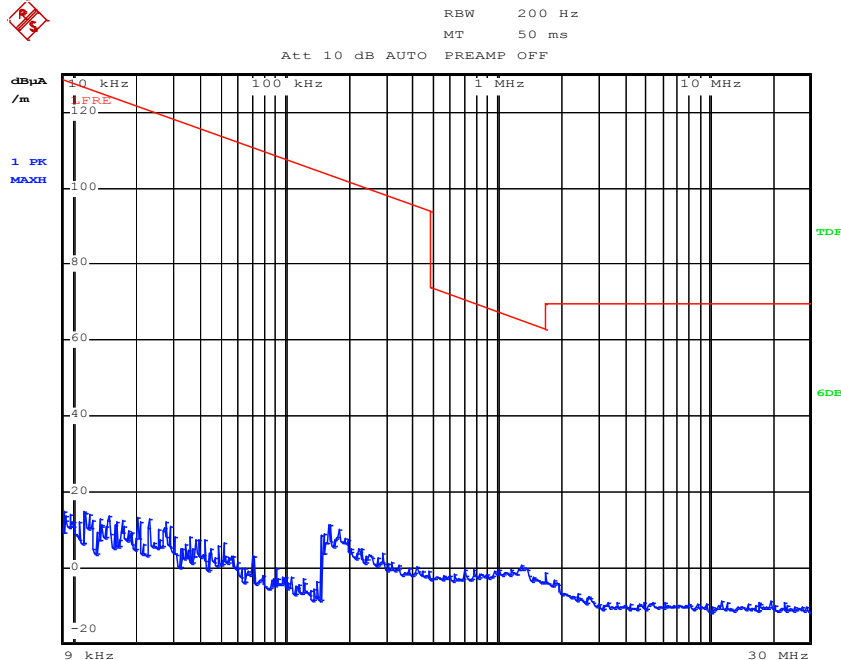
Date of testing	:	2013-10-16
Test standard	:	FCC part 15.247(d) RSS-210 Clause 2.2
Basic standard	:	ANSI C63.4: 2009
Limits	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a, A.1.b
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

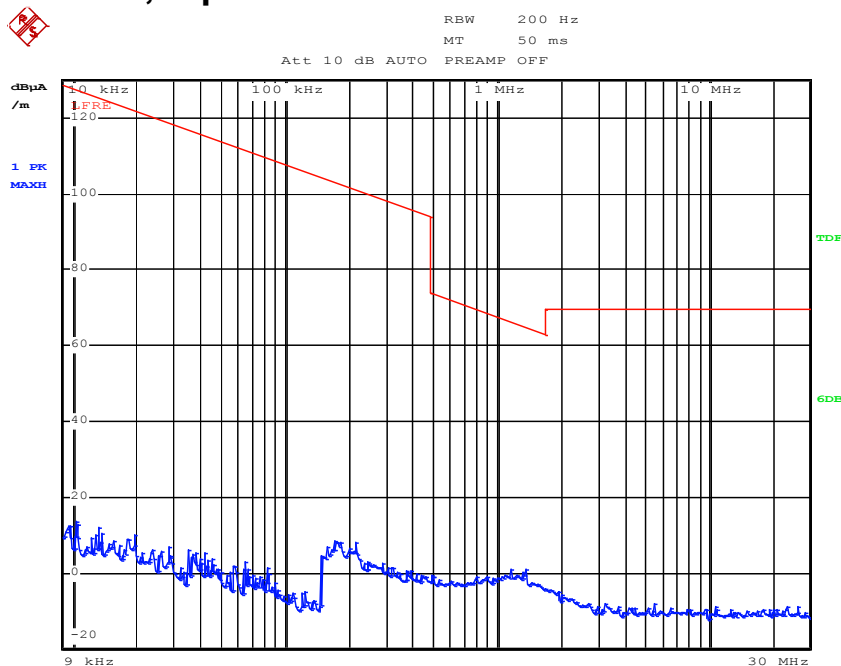
For details refer to following test plot.

Test Plot of Spurious Emission of transmitting Low channel, X polarization:



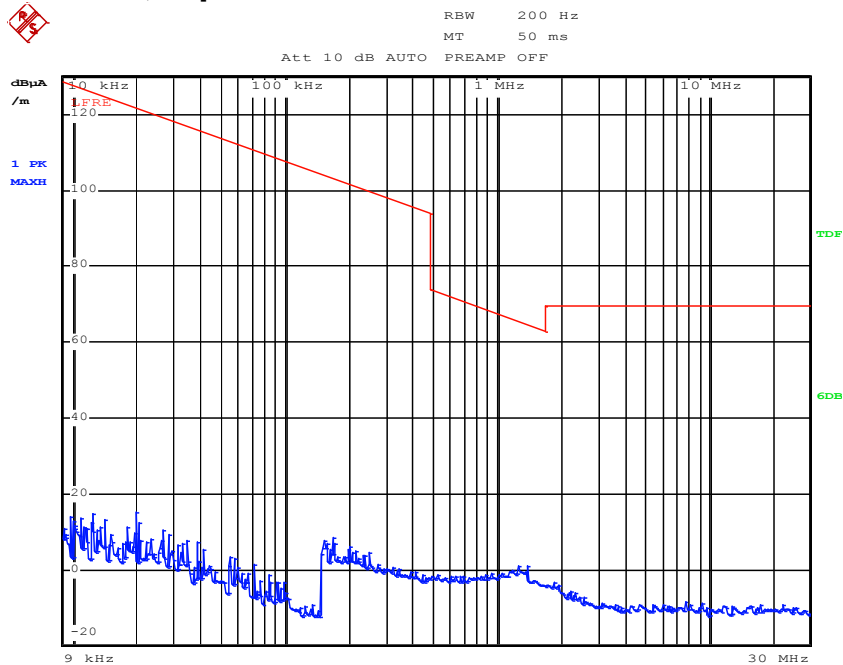
Date: 16.OCT.2013 09:36:15

Low channel, Y polarization:



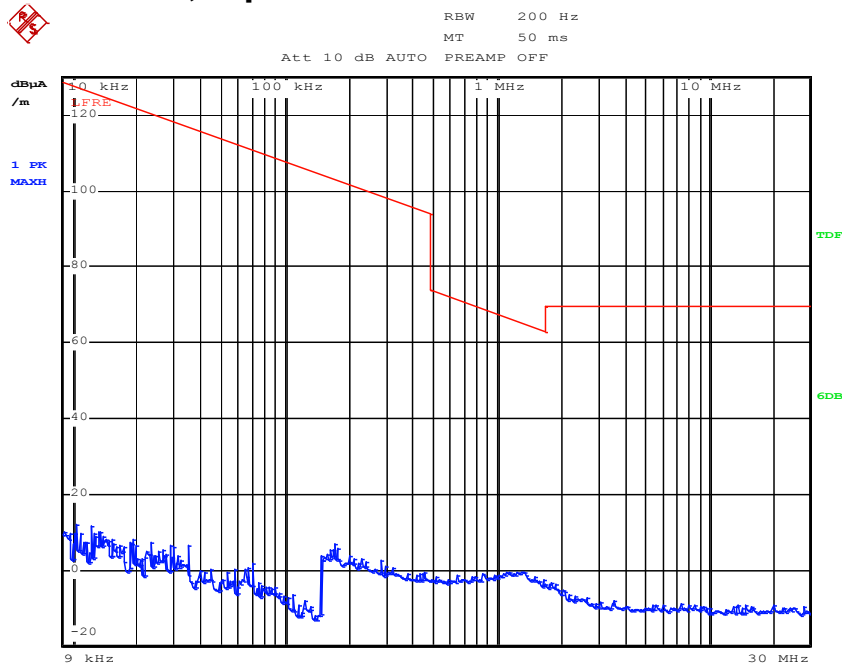
Date: 16.OCT.2013 09:38:20

Low channel, Z polarization:

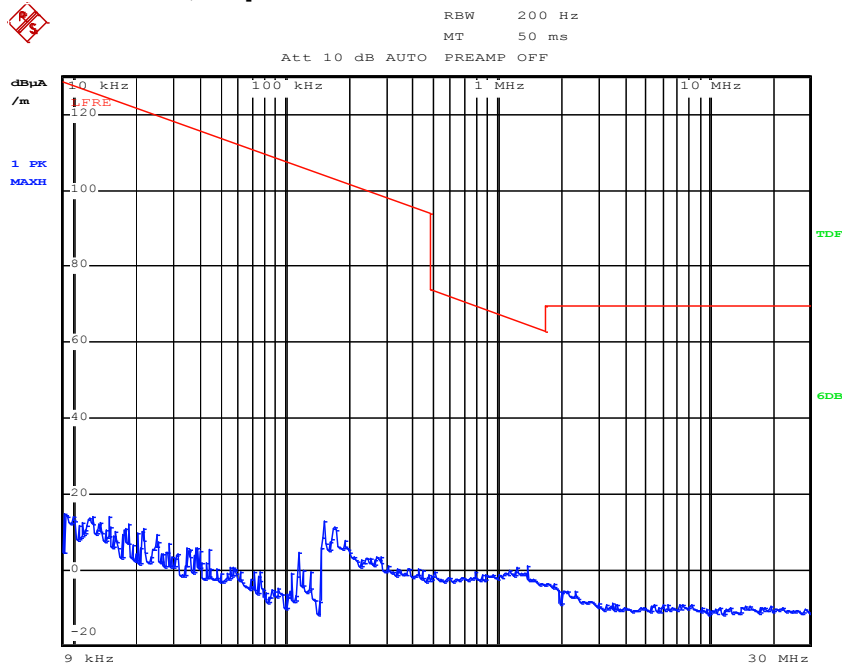


Date: 16.OCT.2013 09:40:27

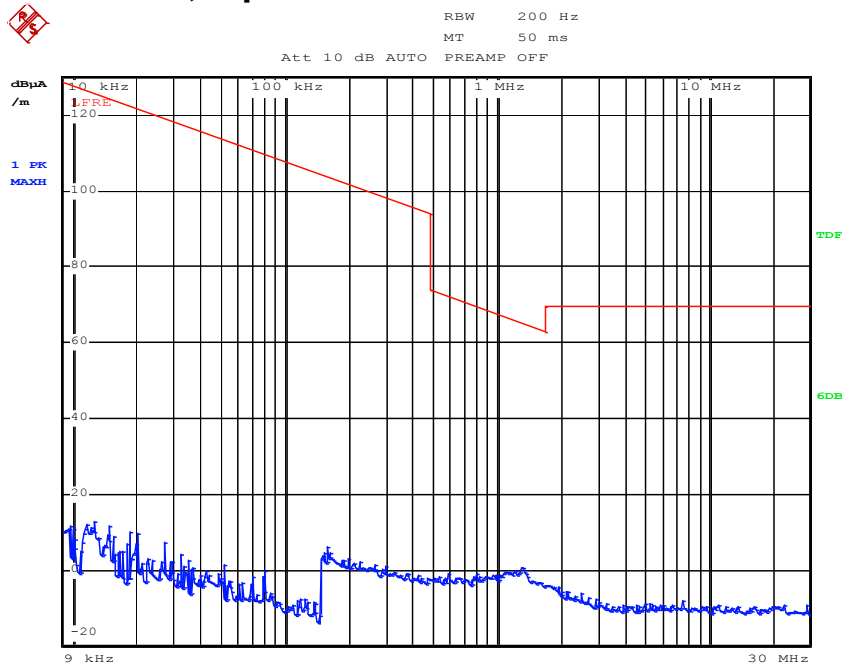
Middle channel, X polarization:



Date: 16.OCT.2013 09:42:26

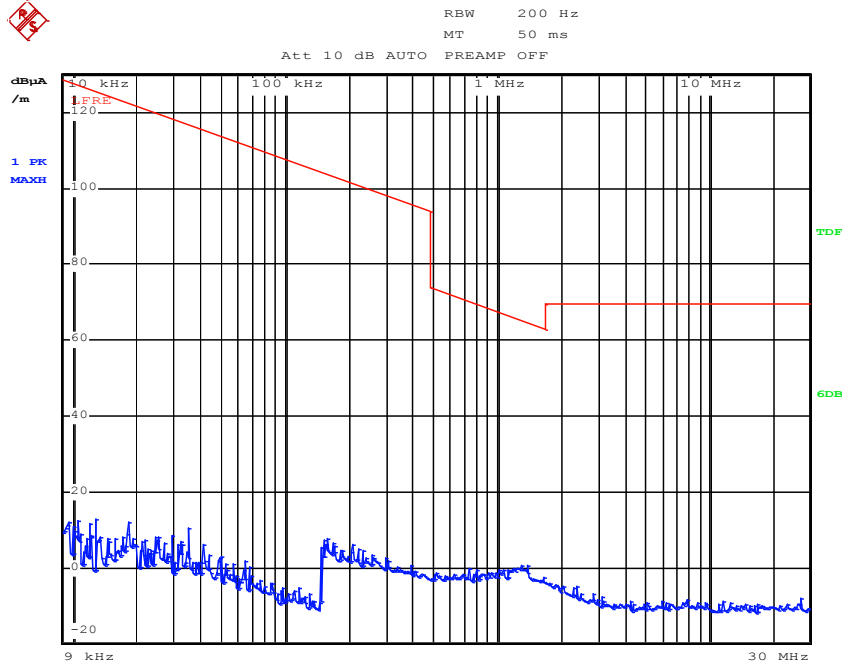
Middle channel, Y polarization:


Date: 16.OCT.2013 09:44:25

Middle channel, Z polarization:


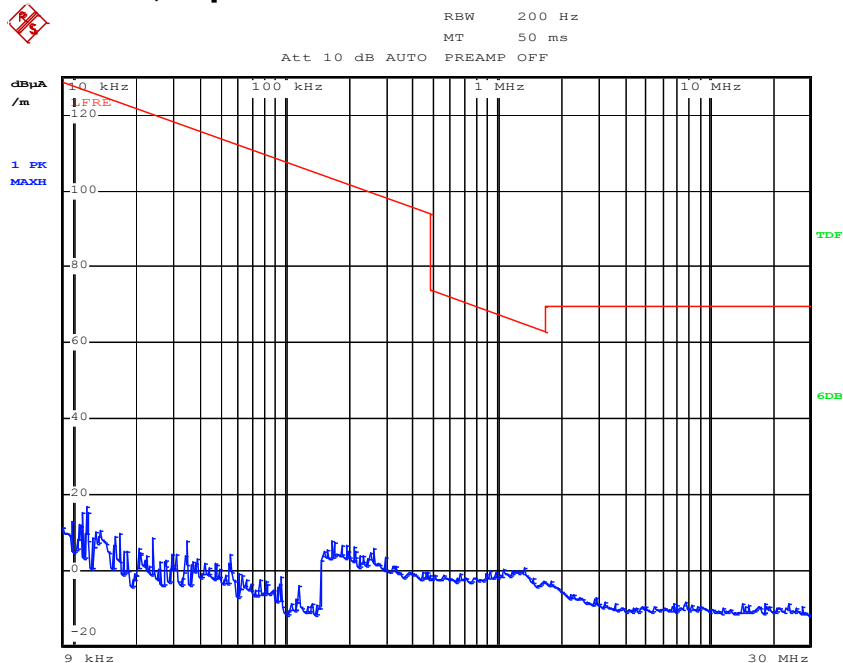
Date: 16.OCT.2013 09:46:22

High channel, X polarization:



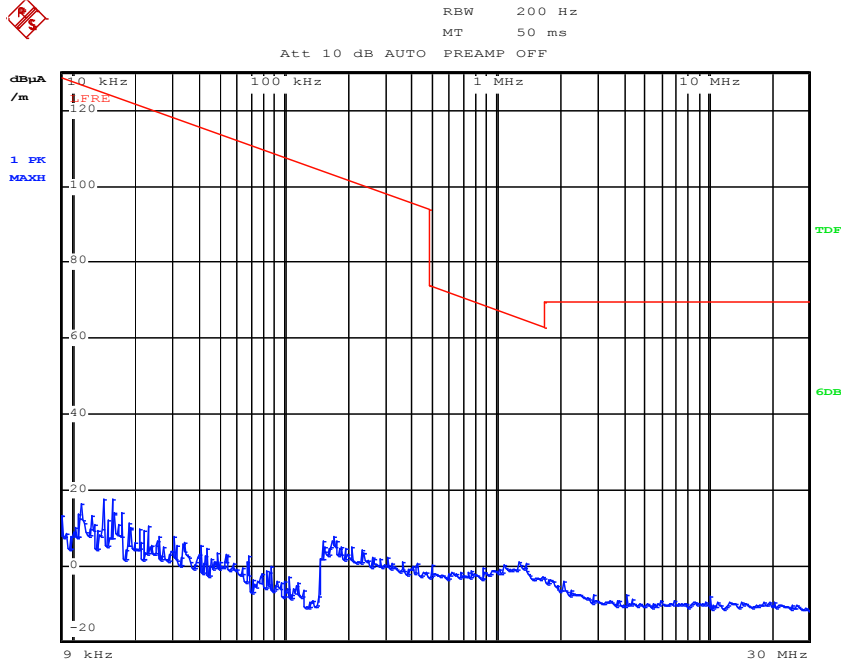
Date: 16.OCT.2013 09:52:10

High channel, Y polarization:



Date: 16.OCT.2013 09:48:18

High channel, Z polarization:



Date: 16.OCT.2013 09:50:15


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

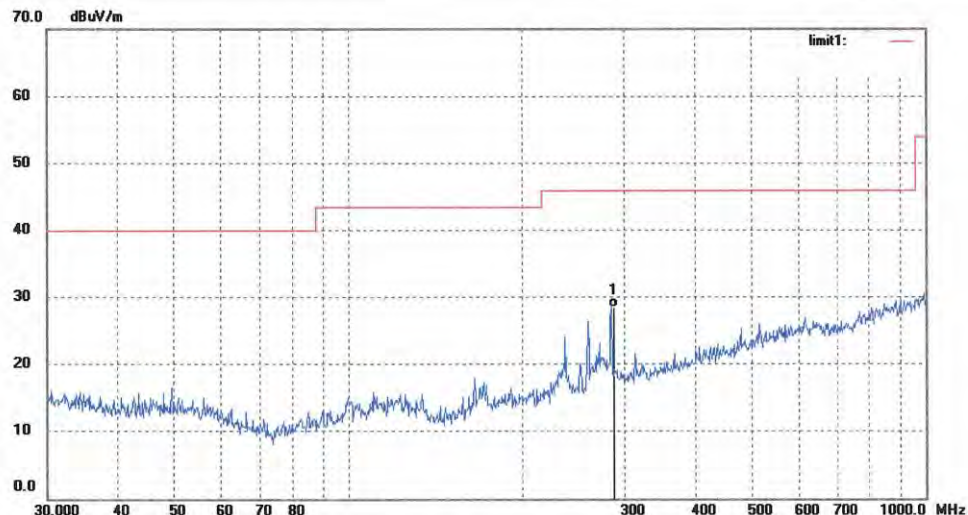
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #172
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2402MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 12/49/22
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	288.0025	37.99	-9.61	28.38	46.00	-17.62	QP			


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Site: 2# Chamber

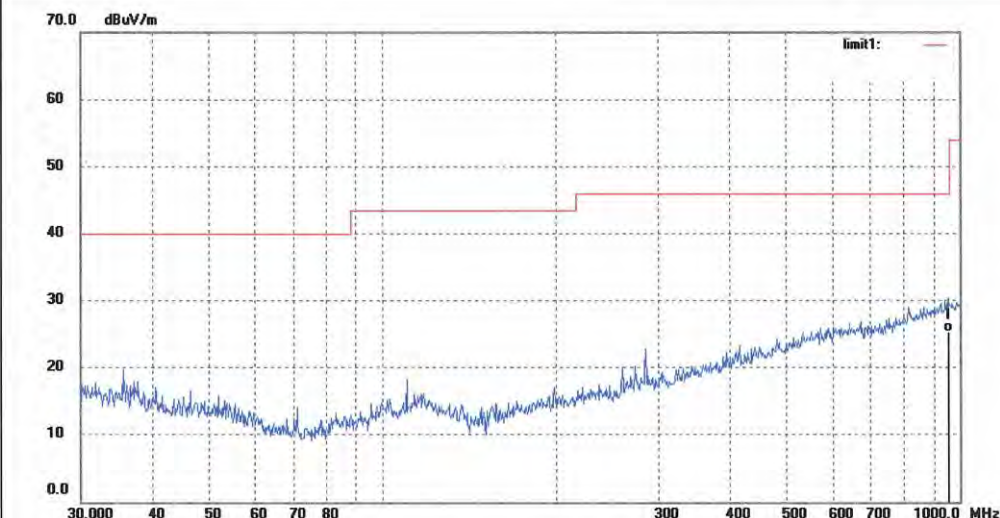
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #173
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2402MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 12/57/32
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	955.3509	23.04	2.29	25.33	46.00	-20.67	QP			


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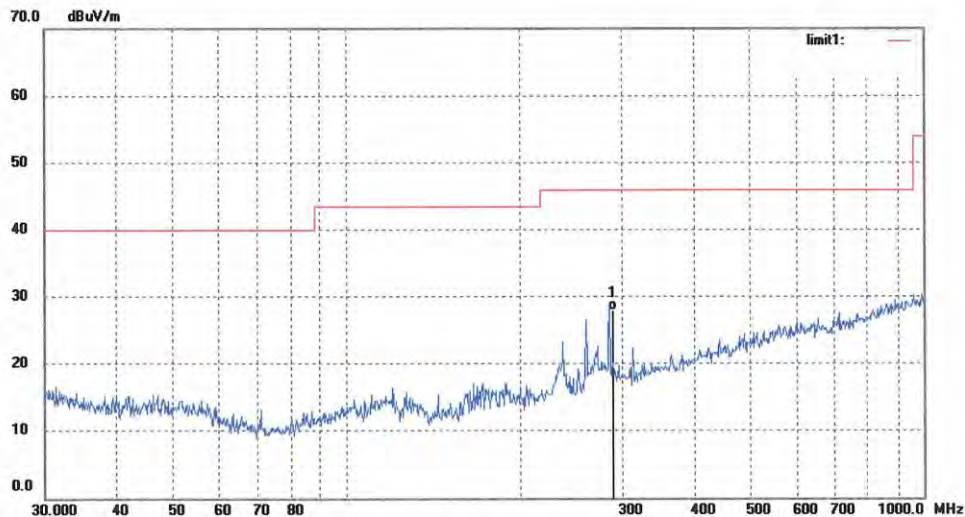
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #175
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2441MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 13/15/47
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	288.0261	37.53	-9.61	27.92	46.00	-18.08	QP			


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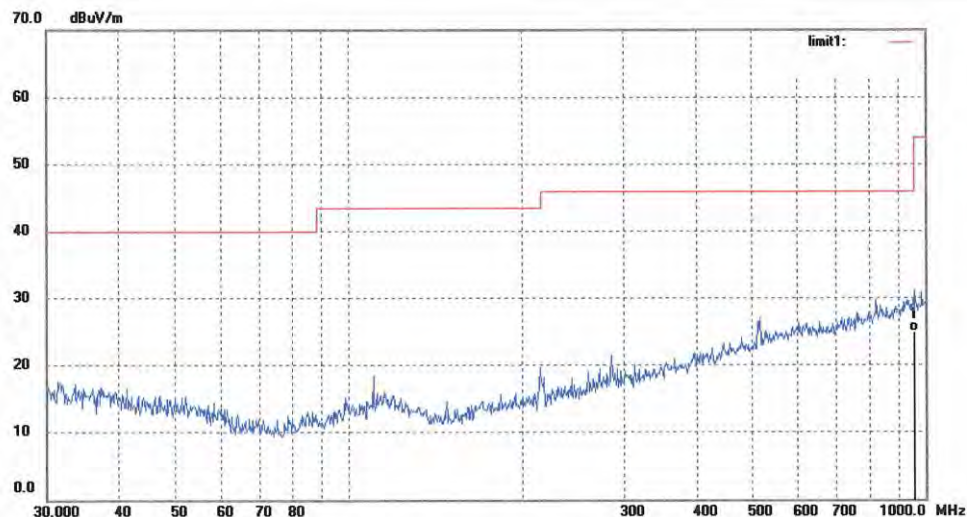
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #174
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2441MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 13/06/21
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	958.7135	22.66	2.35	25.01	46.00	-20.99	QP			


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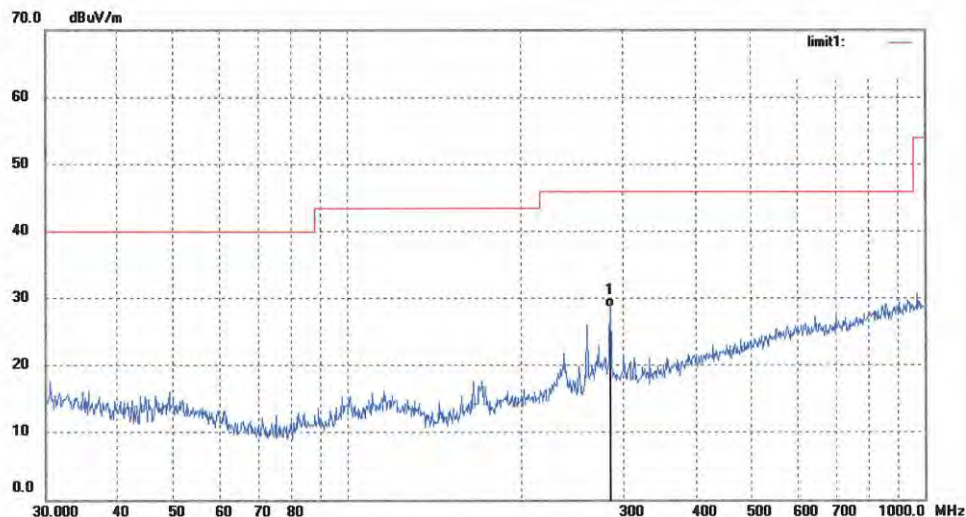
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #176
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2480MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 13/24/46
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	288.0322	38.31	-9.61	28.70	46.00	-17.30	QP			


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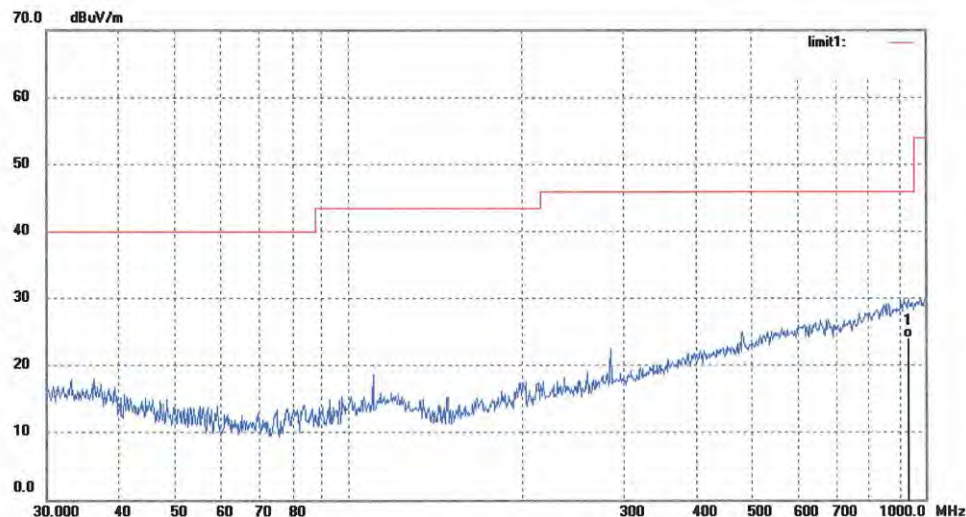
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #177
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2480MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 13/34/25
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	942.0180	22.18	1.97	24.15	46.00	-21.85	QP			


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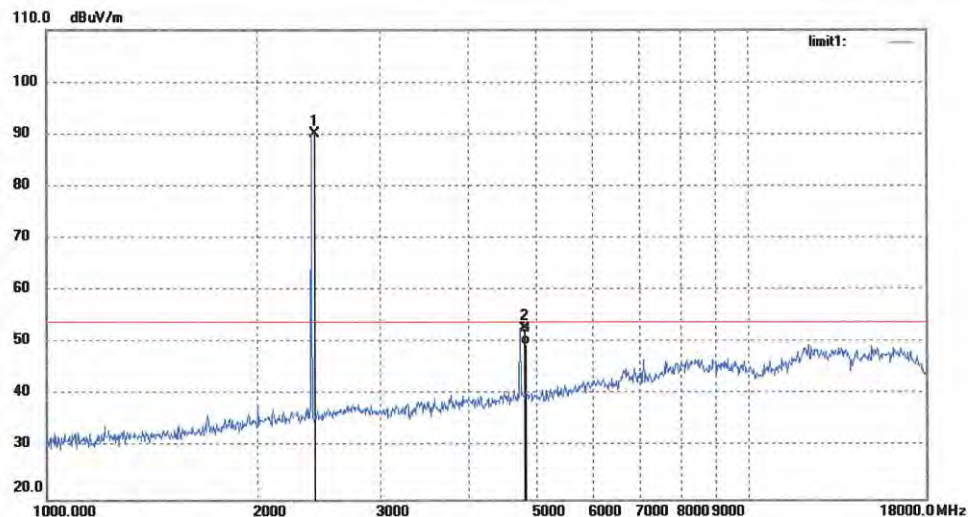
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: PHY #149
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: TX 2402MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 13/10/16/
 Time: 9/25/31
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	97.63	-7.45	90.18	/	/	peak			
2	4804.270	53.06	-0.30	52.76	74.00	-21.24	peak			
3	4804.270	49.90	-0.30	49.60	54.00	-4.40	AVG			


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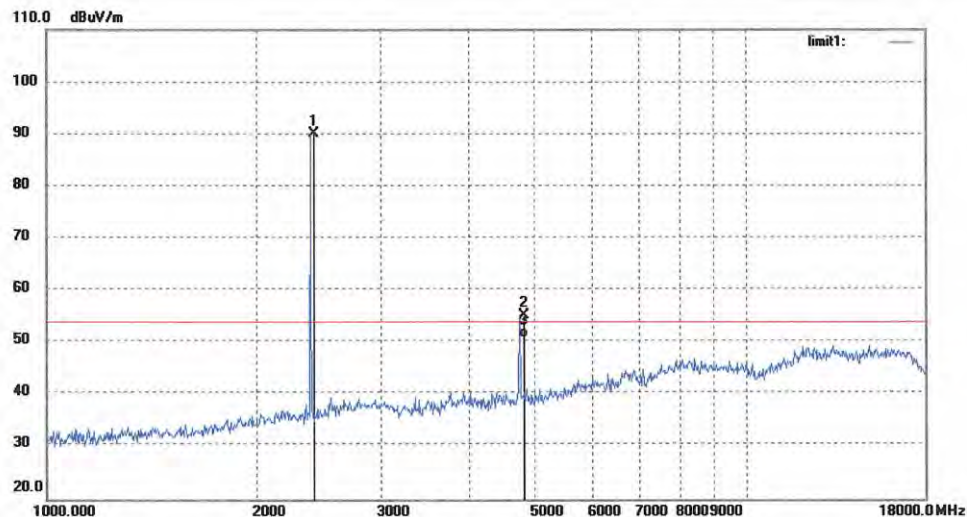
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #150
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2402MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 9/36/40
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	97.55	-7.45	90.10	/	/	peak			
2	4804.274	55.41	-0.30	55.11	54.00	1.11	peak			
3	4804.274	51.30	-0.30	51.00	54.00	-3.00	AVG			


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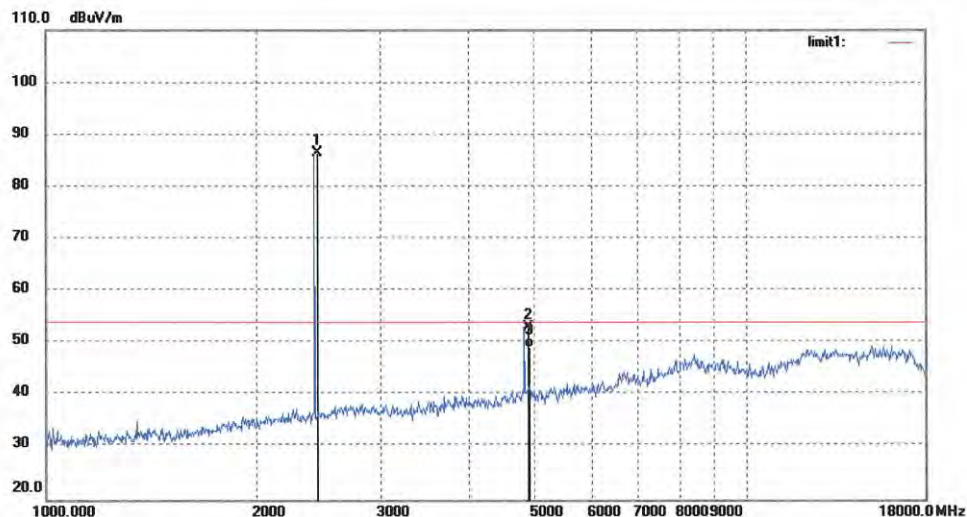
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: PHY #155
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: TX 2441MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 13/10/16/
 Time: 10/19/38
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	93.90	-7.35	86.55	/	/	peak			
2	4882.281	52.78	0.14	52.92	74.00	-21.08	peak			
3	4882.281	49.06	0.14	49.20	54.00	-4.80	AVG			


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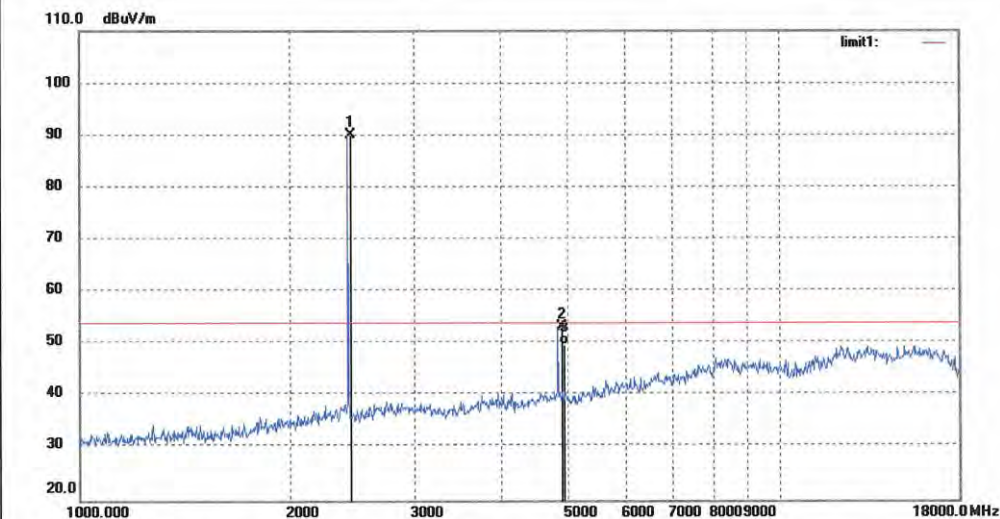
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: PHY #153
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: TX 2441MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 13/10/16/
 Time: 10/08/08
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	97.54	-7.35	90.19	/	/	peak			
2	4881.979	53.12	0.14	53.26	74.00	-20.74	peak			
3	4881.979	49.66	0.14	49.80	54.00	-4.20	AVG			


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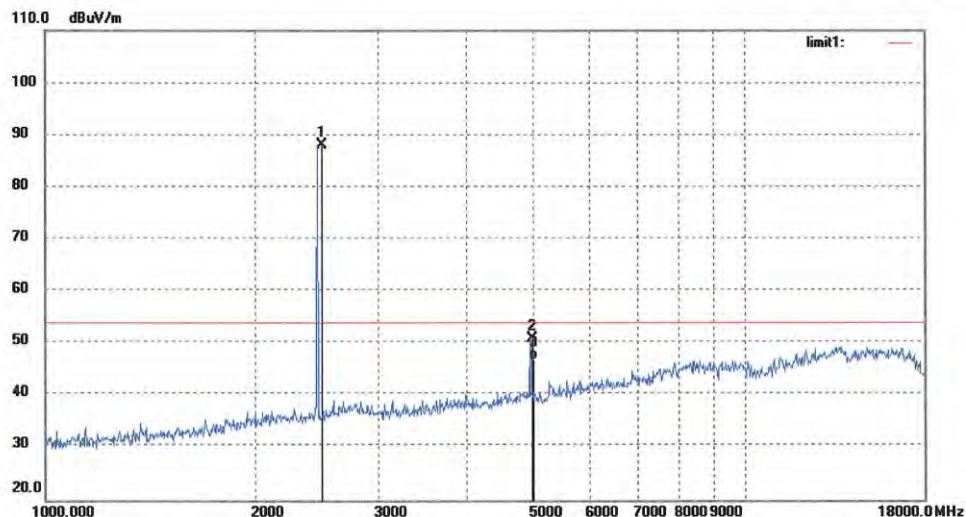
Site: 2# Chamber

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

 Job No.: PHY #156
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: TX 2480MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 13/10/16/
 Time: 10/30/34
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	95.52	-7.37	88.15	/	/	peak			
2	4960.270	50.31	0.52	50.83	74.00	-23.17	peak			
3	4960.270	46.48	0.52	47.00	54.00	-7.00	AVG			


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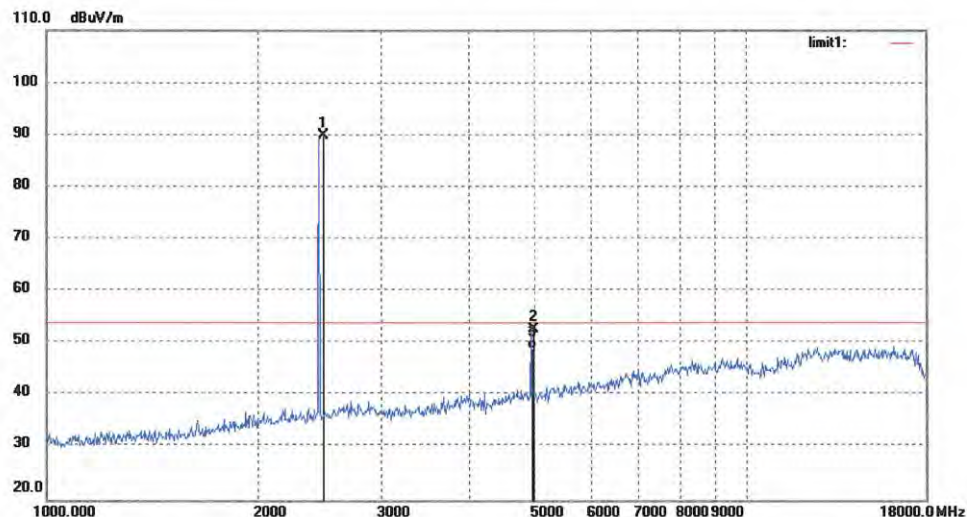
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: PHY #157
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: TX 2480MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 13/10/16/
 Time: 10/41/45
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	97.28	-7.37	89.91	/	/	peak			
2	4960.294	52.32	0.52	52.84	74.00	-21.16	peak			
3	4960.294	48.47	0.52	48.99	54.00	-5.01	AVG			


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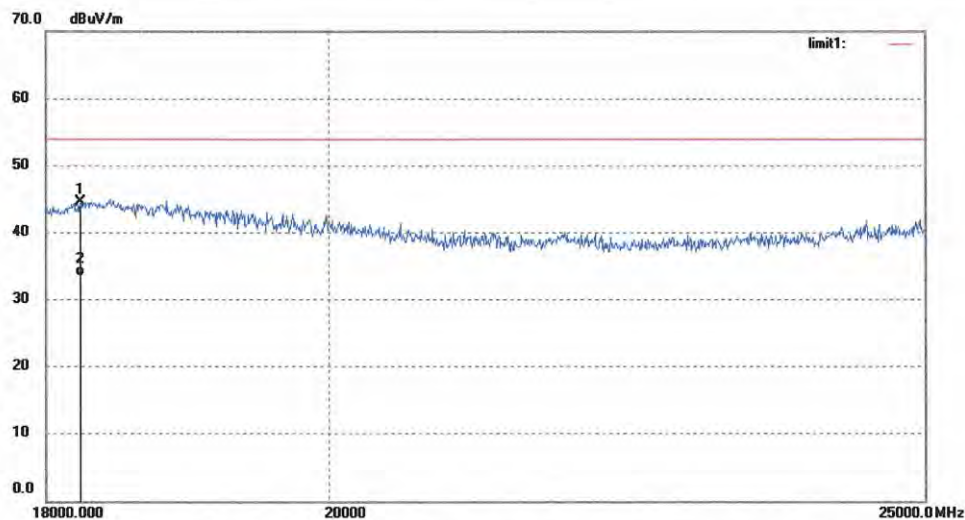
Tel:+86-0755-26503290

Fax: +86-0755-26503396

Job No.: PHY #180
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2402MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/10/16
Time: 19:21:26
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18232.561	27.96	16.61	44.57	74.00	-29.43	peak			
2	18232.561	16.82	16.61	33.43	54.00	-20.57	AVG			


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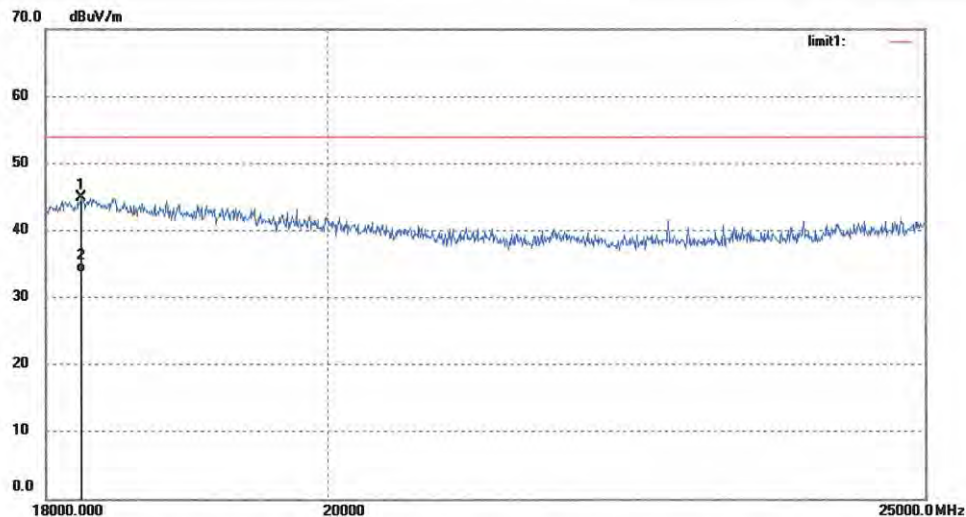
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: PHY #181
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: TX 2402MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 2013/10/16
 Time: 19:29:16
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18238.564	28.25	16.62	44.87	74.00	-29.13	peak			
2	18238.564	17.08	16.62	33.70	54.00	-20.30	AVG			


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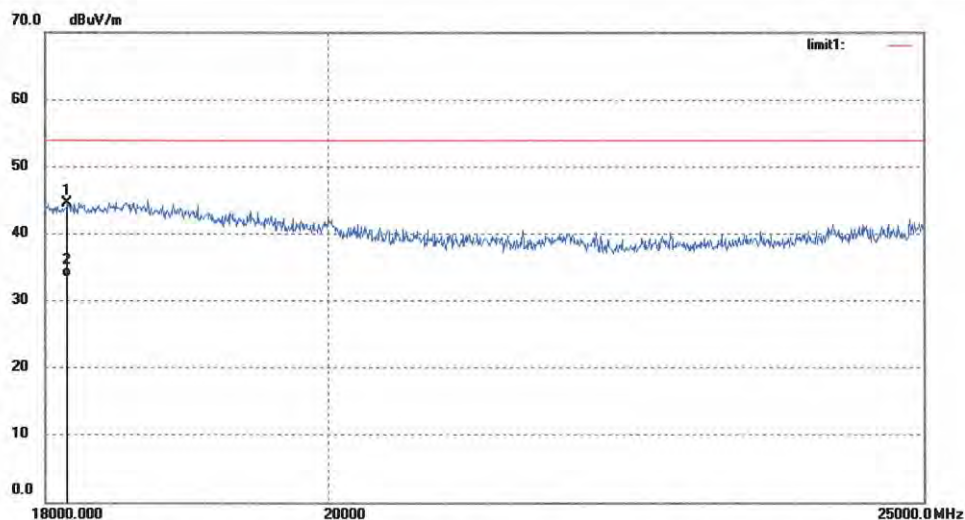
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: PHY #183
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: TX 2441MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2013/10/16
 Time: 19:44:20
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18148.734	28.09	16.43	44.52	74.00	-29.48	peak			
2	18148.734	17.11	16.43	33.54	54.00	-20.46	AVG			


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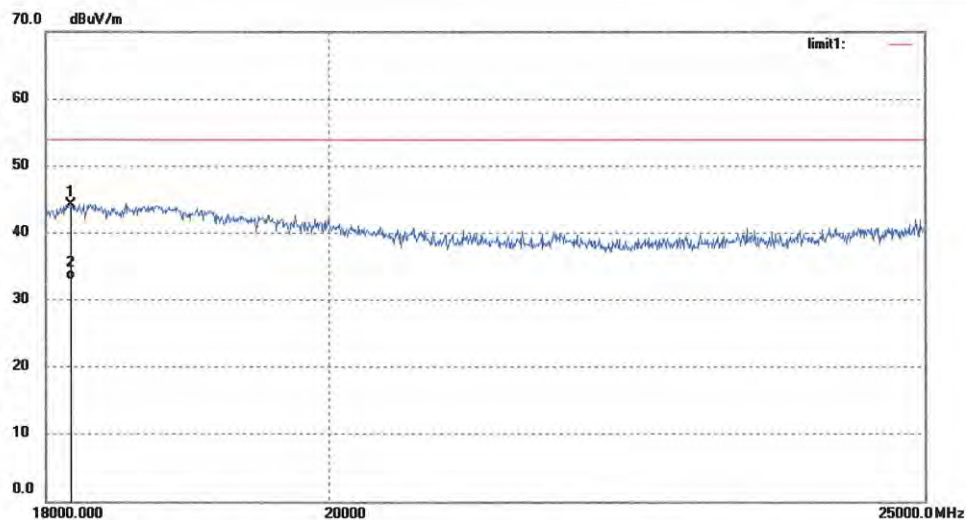
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #182
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2441MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/10/16
Time: 19:37:07
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18172.645	27.73	16.48	44.21	74.00	-29.79	peak			
2	18172.645	16.55	16.48	33.03	54.00	-20.97	AVG			


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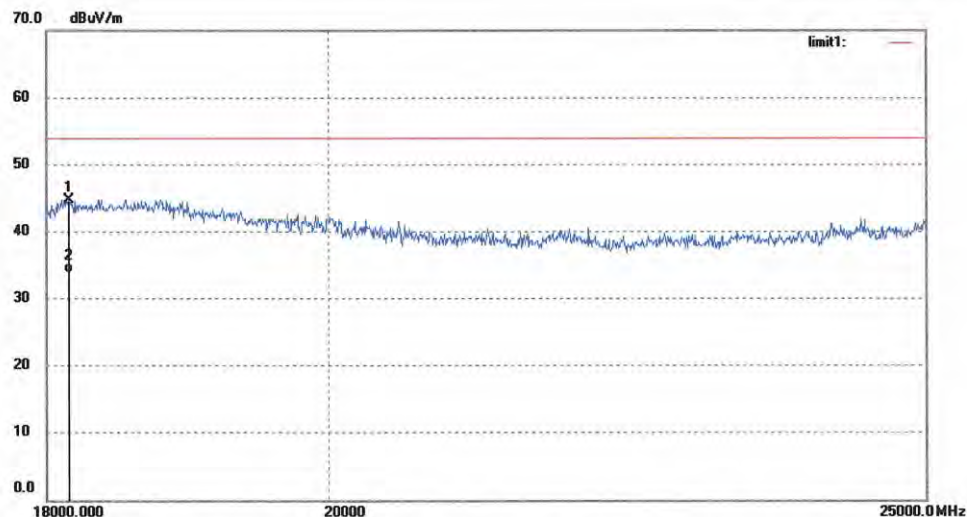
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #184
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2480MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/10/16
Time: 19:52:04
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18154.709	28.26	16.44	44.70	74.00	-29.30	peak			
2	18154.709	17.39	16.44	33.83	54.00	-20.17	AVG			


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Site: 2# Chamber

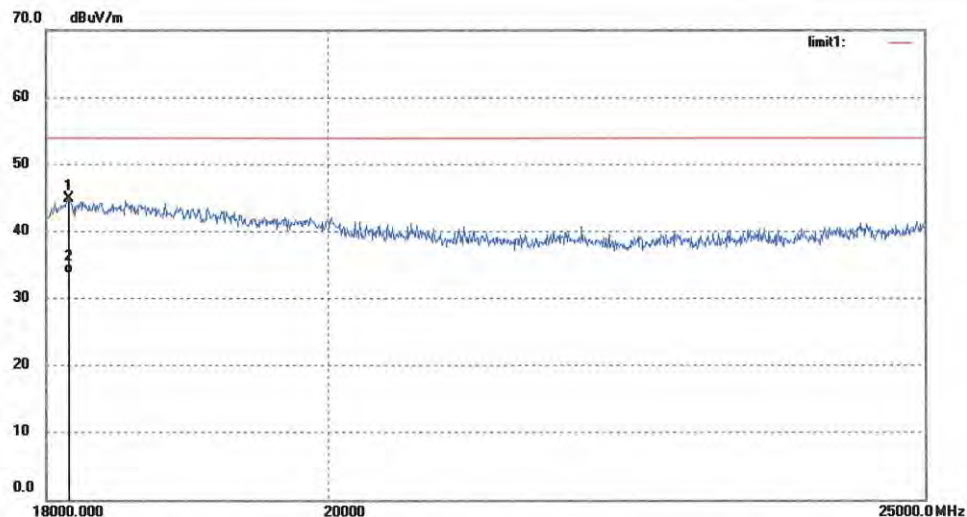
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #185
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: TX 2480MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/10/16
Time: 20:00:47
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18154.709	28.46	16.44	44.90	74.00	-29.10	peak			
2	18154.709	17.24	16.44	33.68	54.00	-20.32	AVG			

Test Plot of Frequency Band Edge

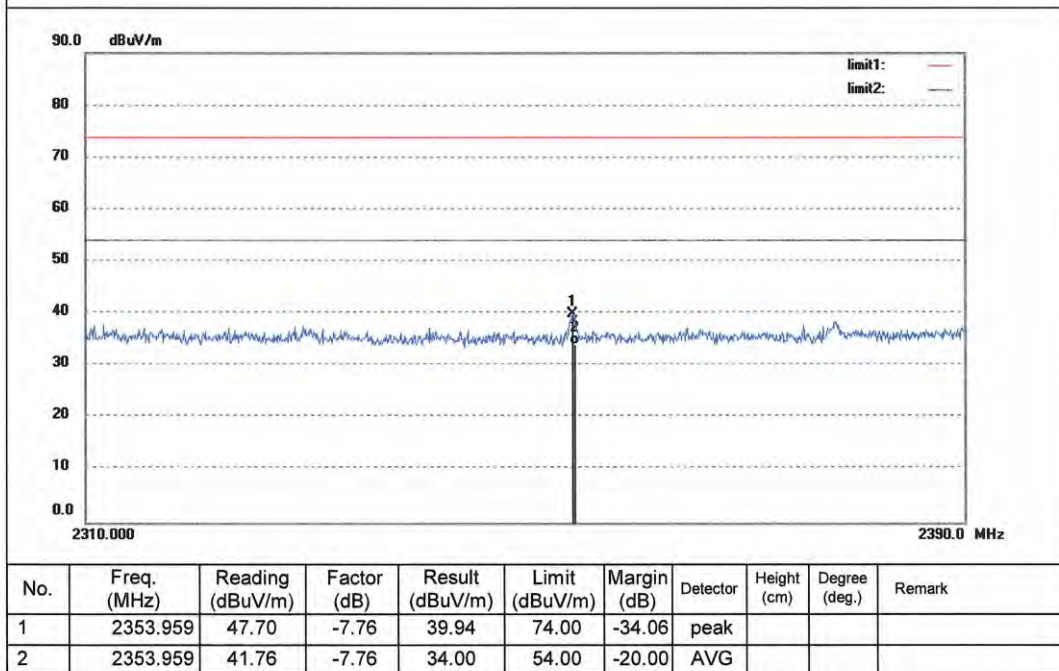

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 Job No.: PHY #152
 Standard: FCC Part 15 Band Edge (2.4G)
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: TX 2402MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 13/10/16/
 Time: 9/56/06
 Engineer Signature: PEI
 Distance: 3m

Note:




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Site: 2# Chamber

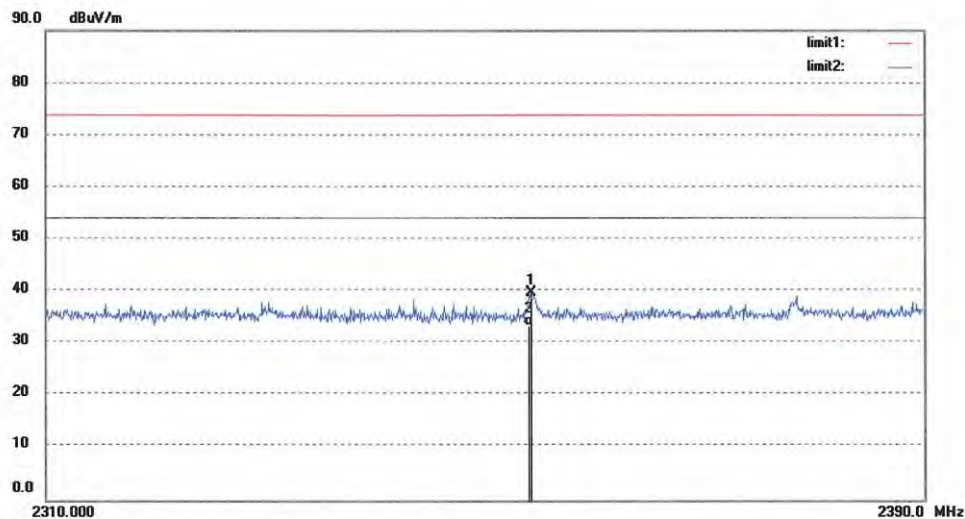
Tel:+86-0755-26503290

Fax:+86-0755-26503396

 Job No.: PHY #151
 Standard: FCC Part 15 Band Edge (2.4G)
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: TX 2402MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 13/10/16/
 Time: 9/47/15
 Engineer Signature: PEI
 Distance: 3m

Note:



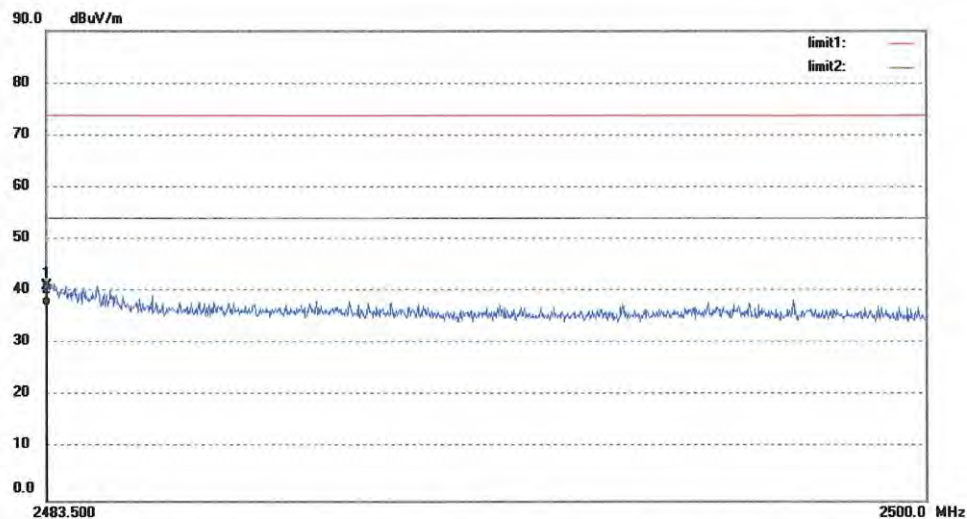
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2353.899	47.42	-7.76	39.66	74.00	-34.34	peak			
2	2353.899	41.26	-7.76	33.50	54.00	-20.50	AVG			


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

Job No.: PHY #159	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/16/
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 11/01/26
EUT: Bluetooth 2.1 Speaker System	Engineer Signature: PEI
Mode: TX 2480MHz	Distance: 3m
Model: NS-PSB4521	
Manufacturer: JAZZ HIPSTER CORPORATION	

Note:



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	48.36	-7.37	40.99	74.00	-33.01	peak			
2	2483.500	44.67	-7.37	37.30	54.00	-16.70	AVG			


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Fax:+86-0755-26503396

Job No.: PHY #158

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Bluetooth 2.1 Speaker System

Mode: TX 2480MHz

Model: NS-PSB4521

Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical

Power Source: AC 120V/60Hz

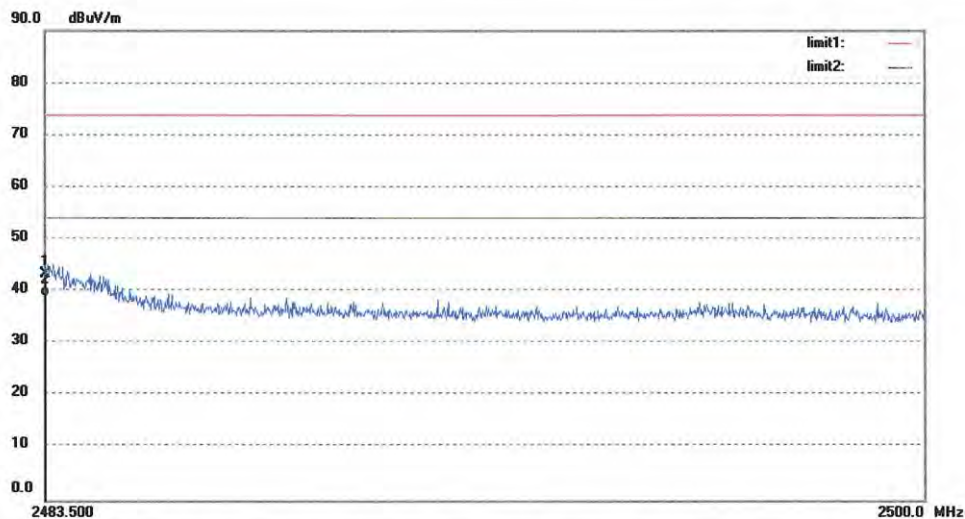
Date: 13/10/16/

Time: 10/52/10

Engineer Signature: PEI

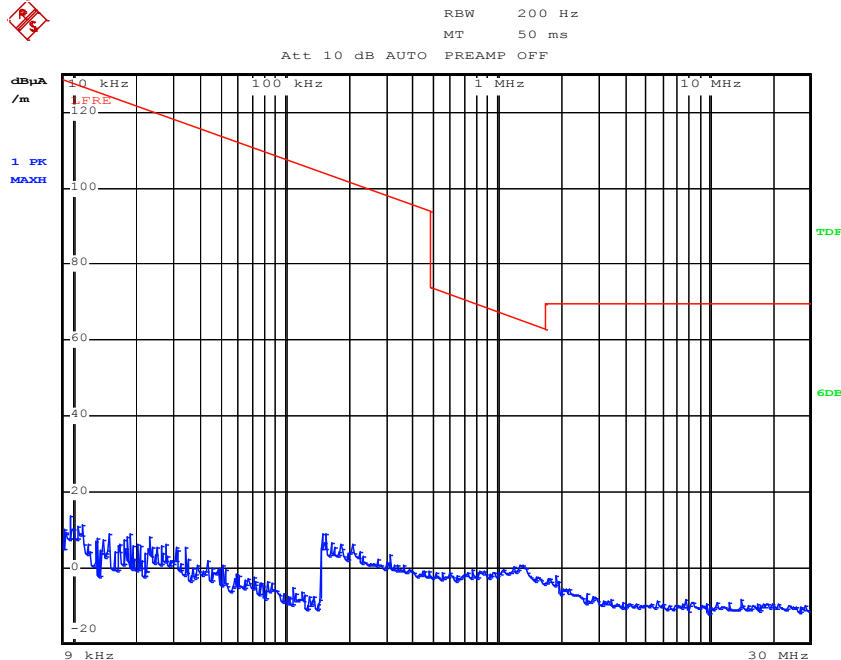
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Note:



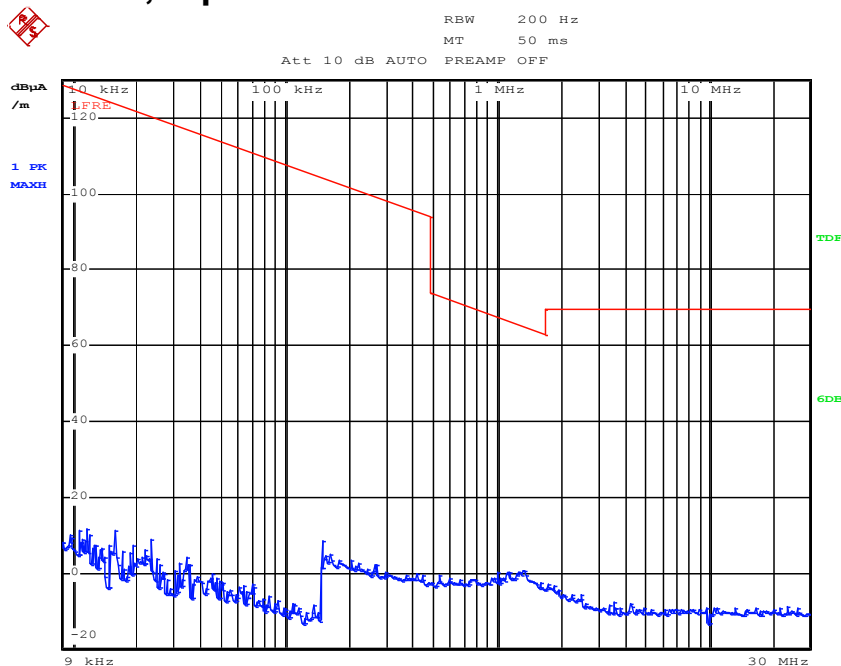
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	50.69	-7.37	43.32	74.00	-30.68	peak			
2	2483.500	46.47	-7.37	39.10	54.00	-14.90	AVG			

Test Plot of Spurious Emission of receiving Low channel, X polarization:



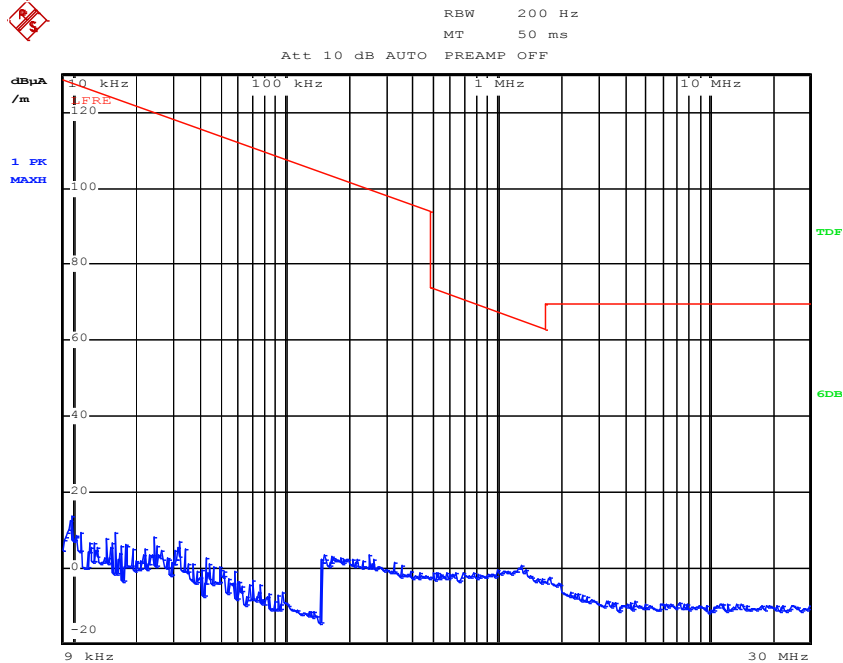
Date: 16.OCT.2013 09:54:10

Low channel, Y polarization:



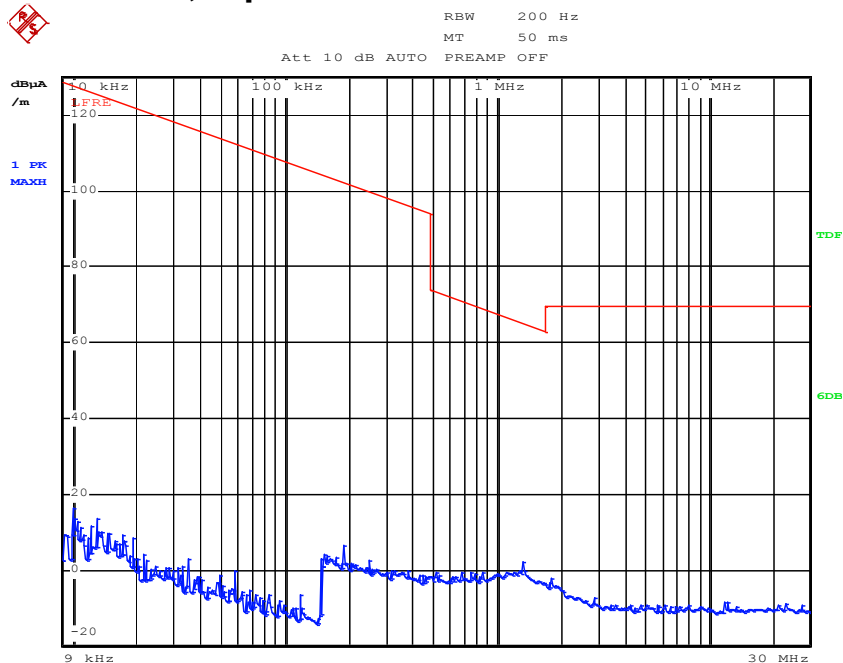
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Low channel, Z polarization:

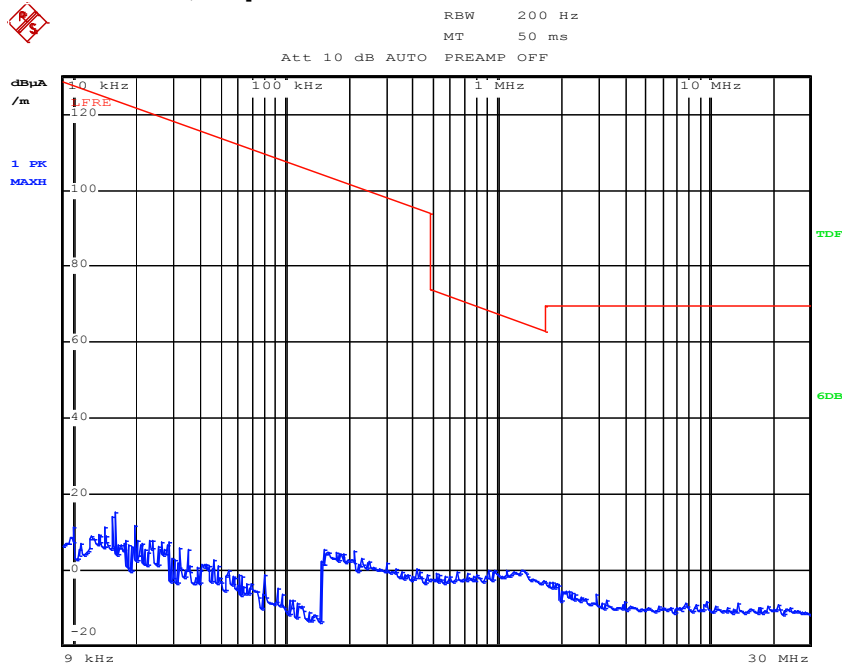


Date: 16.OCT.2013 09:58:01

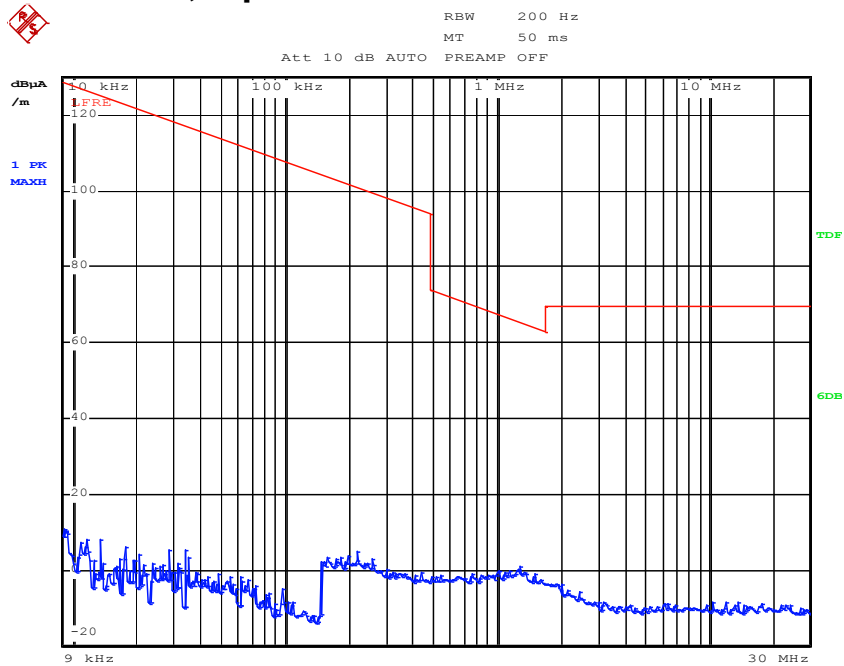
Middle channel, X polarization:



Date: 16.OCT.2013 10:00:01

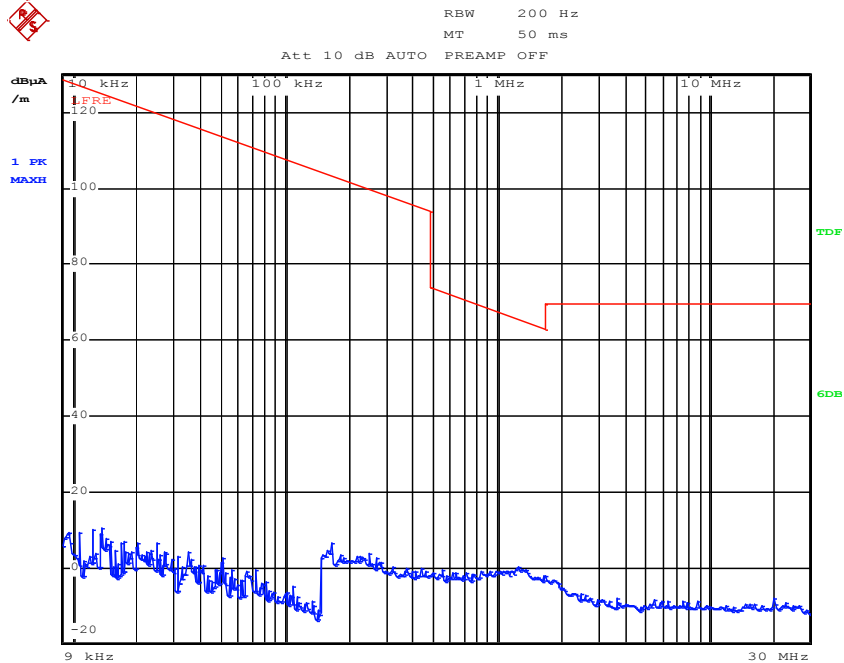
Middle channel, Y polarization:


Date: 16.OCT.2013 10:02:02

Middle channel, Z polarization:


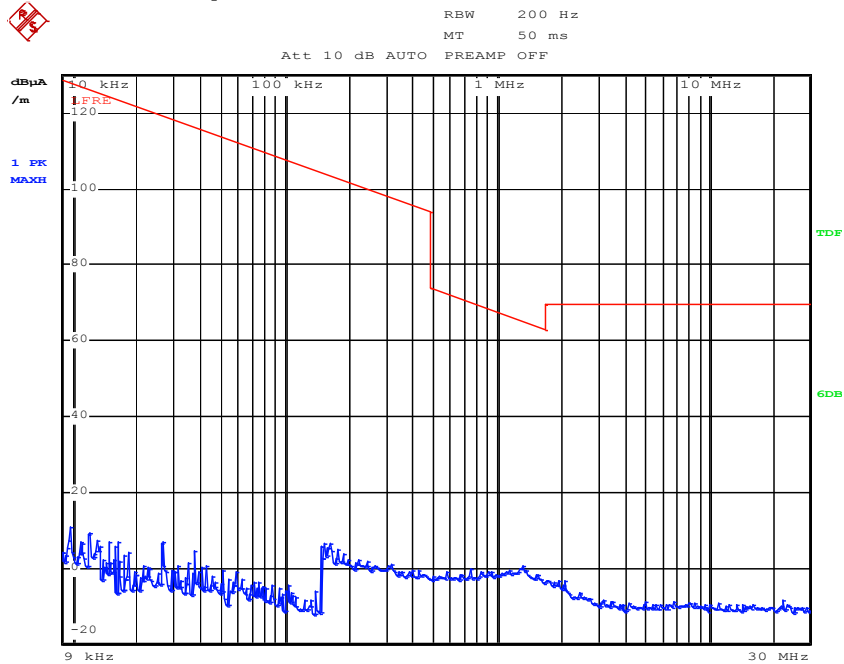
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High channel, X polarization:



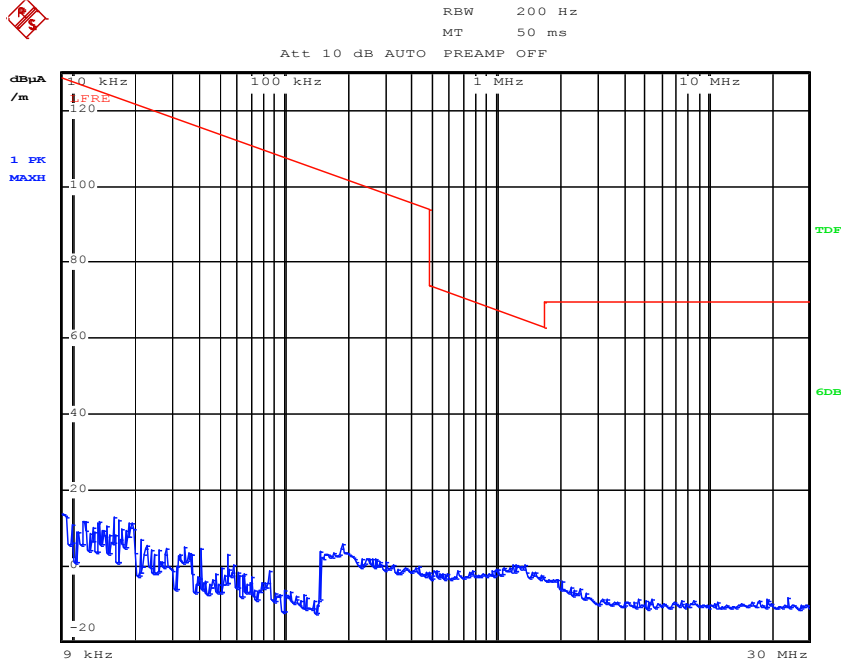
Date: 16.OCT.2013 10:11:05

High channel, Y polarization:



Date: 16.OCT.2013 10:07:03

High channel, Z polarization:



Date: 16.OCT.2013 10:09:07


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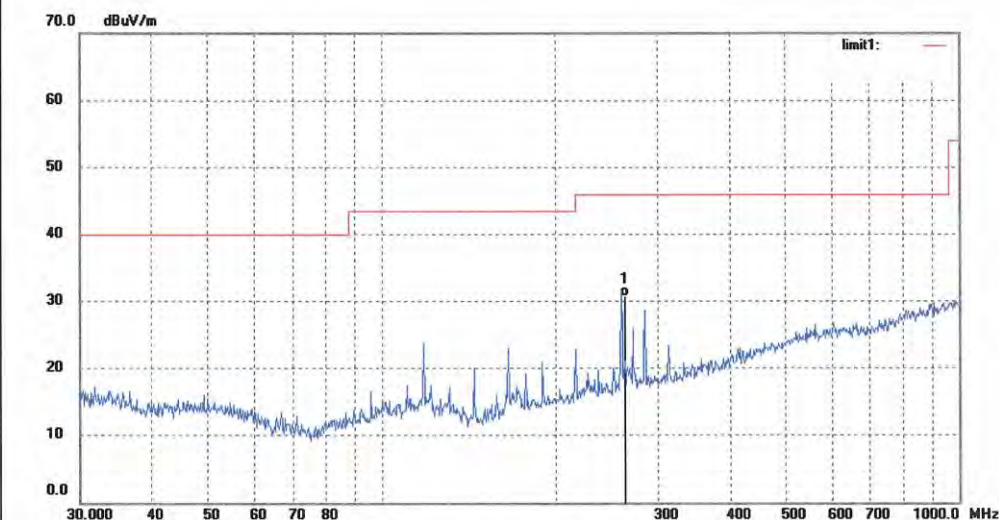
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #167
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2402MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 12/10/40
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	263.9905	41.15	-10.48	30.67	46.00	-15.33	QP			


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Site: 2# Chamber

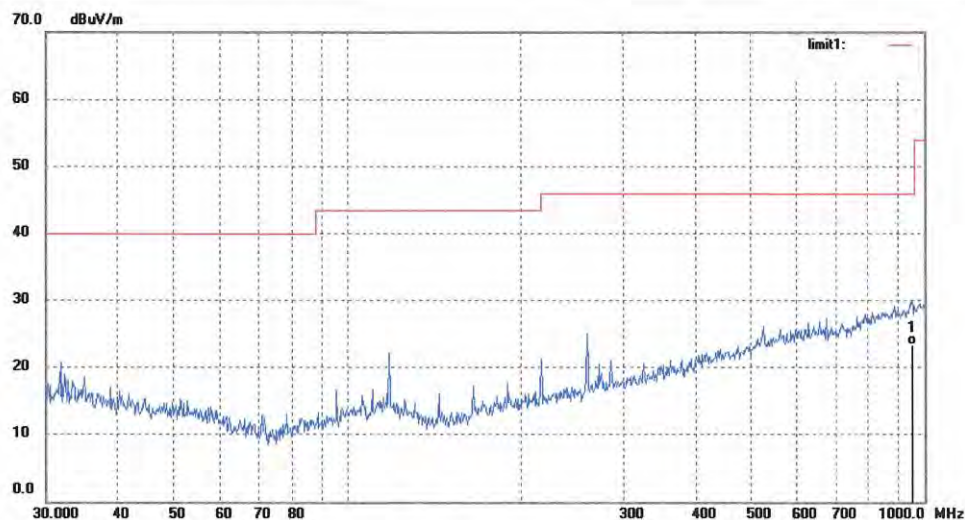
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #166
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2402MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 12/01/15
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	952.7525	21.06	2.24	23.30	46.00	-22.70	QP			


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Site: 2# Chamber

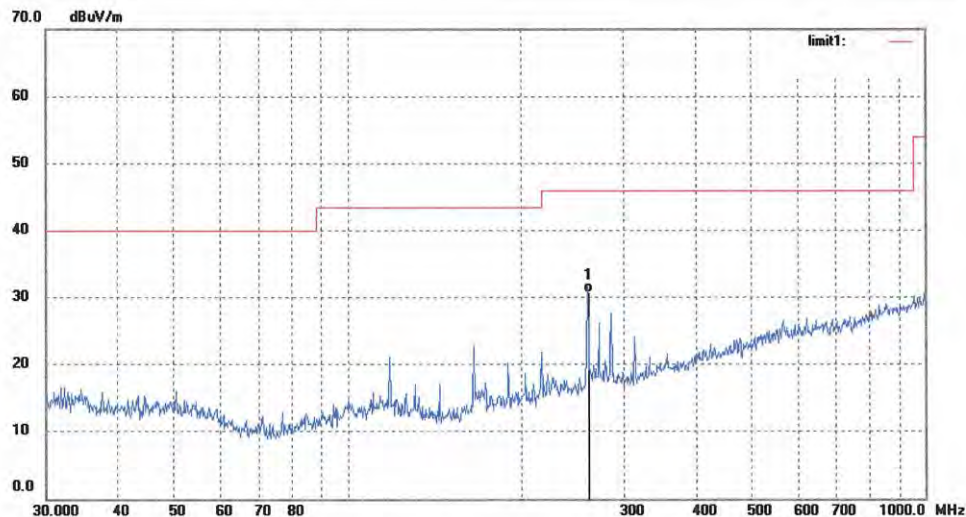
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #168
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2441MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 12/17/31
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	263.9984	41.12	-10.48	30.64	46.00	-15.36	QP			


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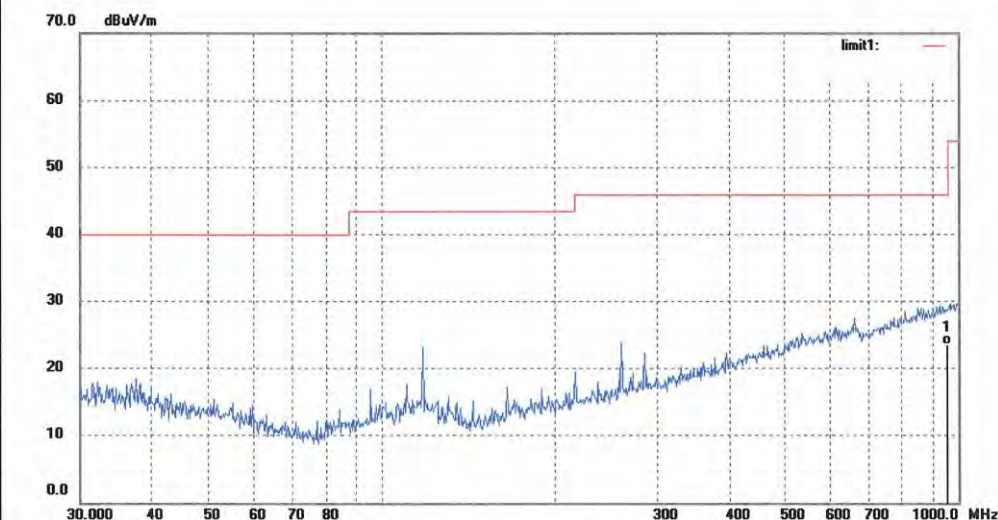
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #169
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2441MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 12/25/20
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	952.0001	21.32	2.21	23.53	46.00	-22.47	QP			


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Site: 2# Chamber

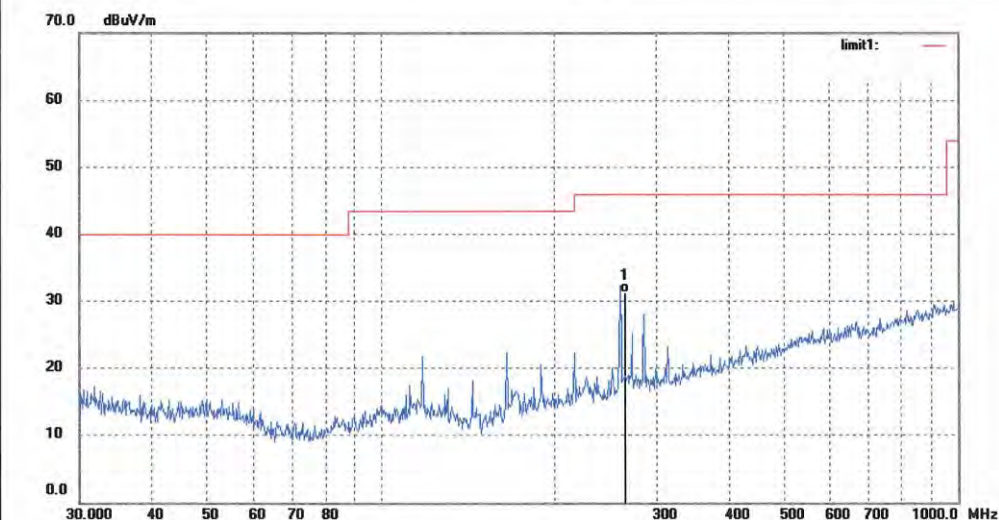
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #171
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2480MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 12/41/25
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	264.0079	41.77	-10.48	31.29	46.00	-14.71	QP			


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Site: 2# Chamber

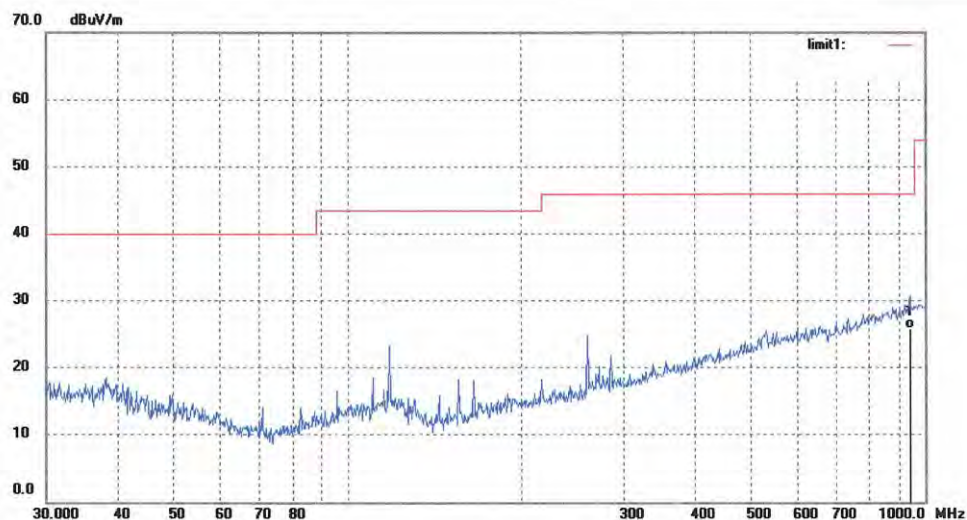
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #170
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2480MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 12/33/45
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	944.1500	23.72	2.06	25.78	46.00	-20.22	QP			


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Site: 2# Chamber

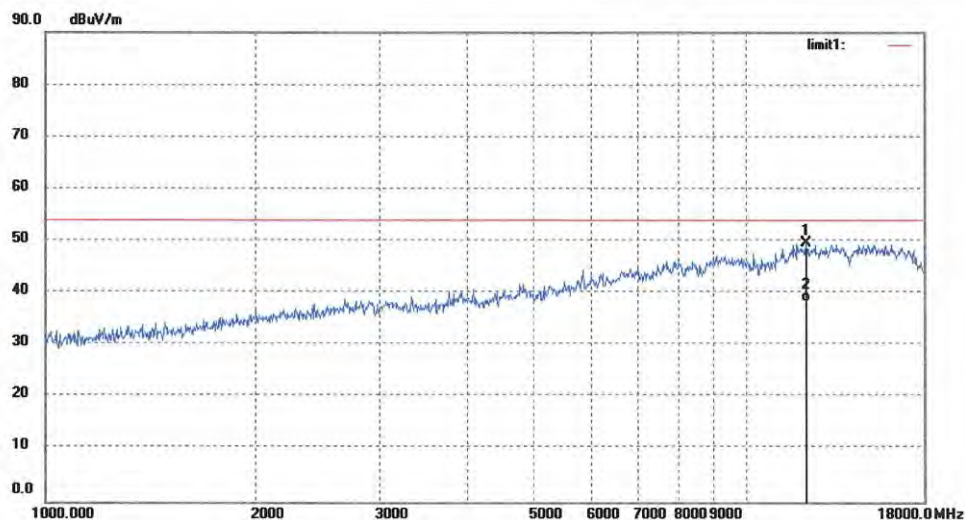
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #160
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2402MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 11/10/17
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12222.059	11.49	38.12	49.61	74.00	-24.39	peak			
2	12222.059	0.28	38.12	38.40	54.00	-15.60	AVG			


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Site: 2# Chamber

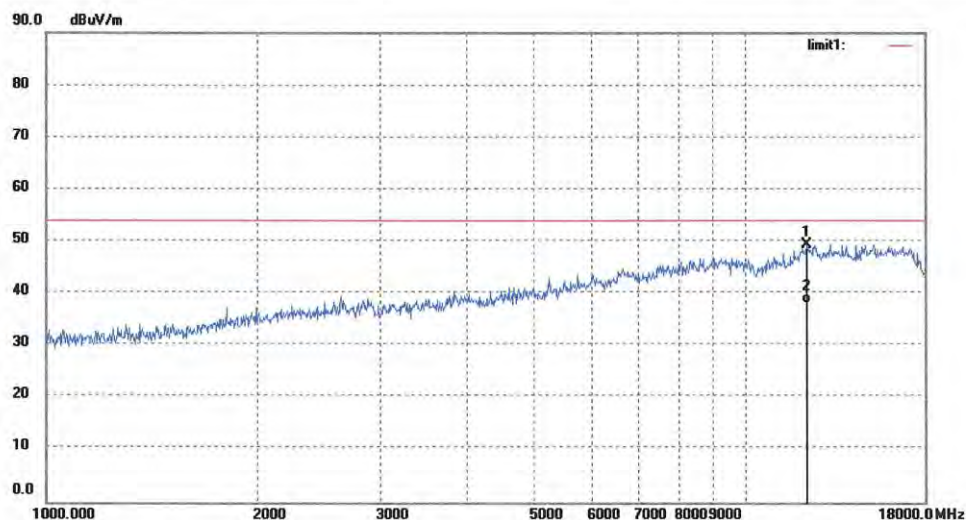
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #161
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2402MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 11/18/51
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12215.915	11.25	38.12	49.37	74.00	-24.63	peak			
2	12215.915	0.08	38.12	38.20	54.00	-15.80	AVG			


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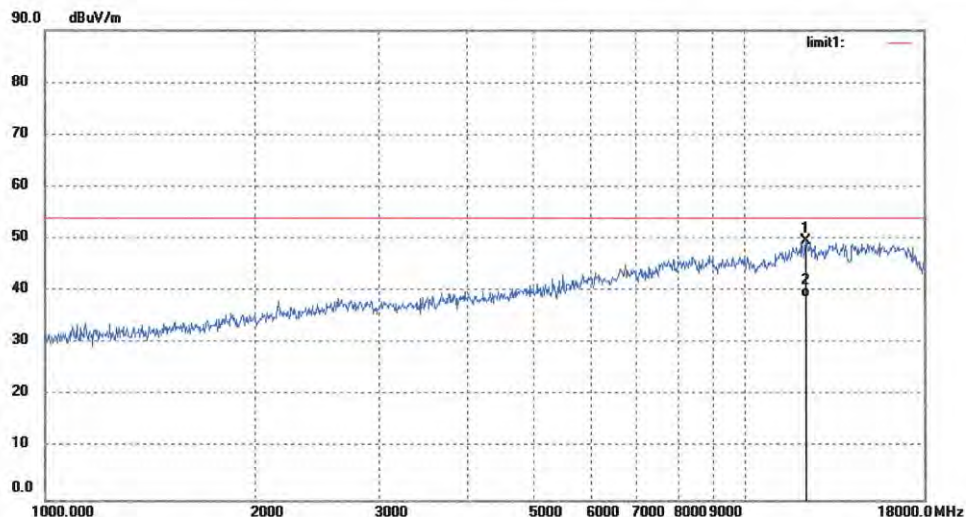
Site: 2# Chamber

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

Job No.: PHY #163
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2441MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 11/36/17
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12226.997	11.56	38.13	49.69	74.00	-24.31	peak			
2	12226.997	0.57	38.13	38.70	54.00	-15.30	AVG			


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Site: 2# Chamber

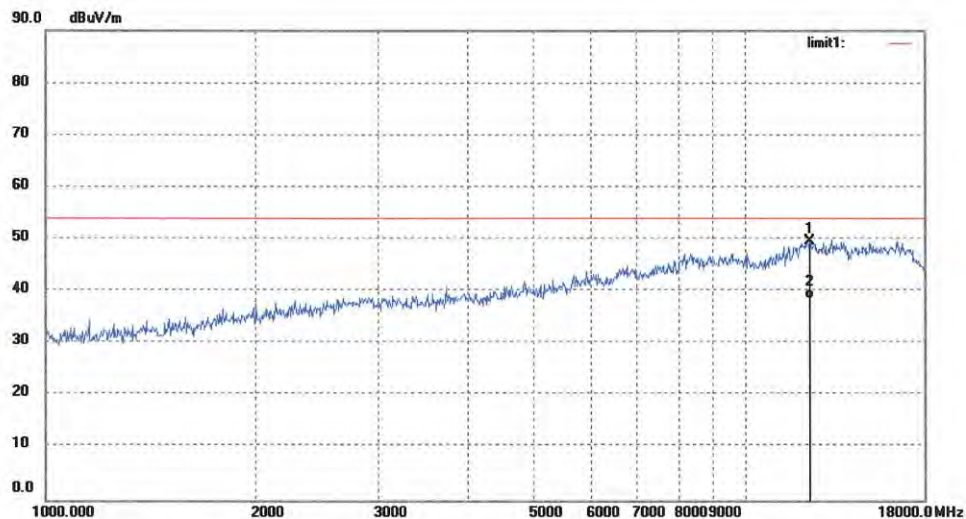
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #162
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2441MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 11/26/31
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12365.274	11.34	38.27	49.61	74.00	-24.39	peak			
2	12365.274	0.33	38.27	38.60	54.00	-15.40	AVG			


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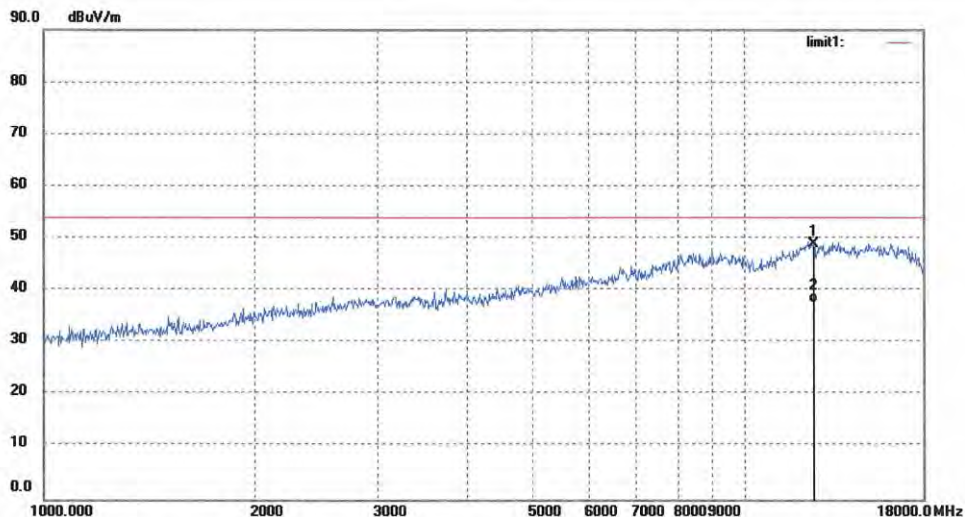
Site: 2# Chamber

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

Job No.: PHY #164
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2480MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 11/45/48
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12546.028	10.52	38.46	48.98	74.00	-25.02	peak			
2	12546.028	-0.66	38.46	37.80	54.00	-16.20	AVG			


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Site: 2# Chamber

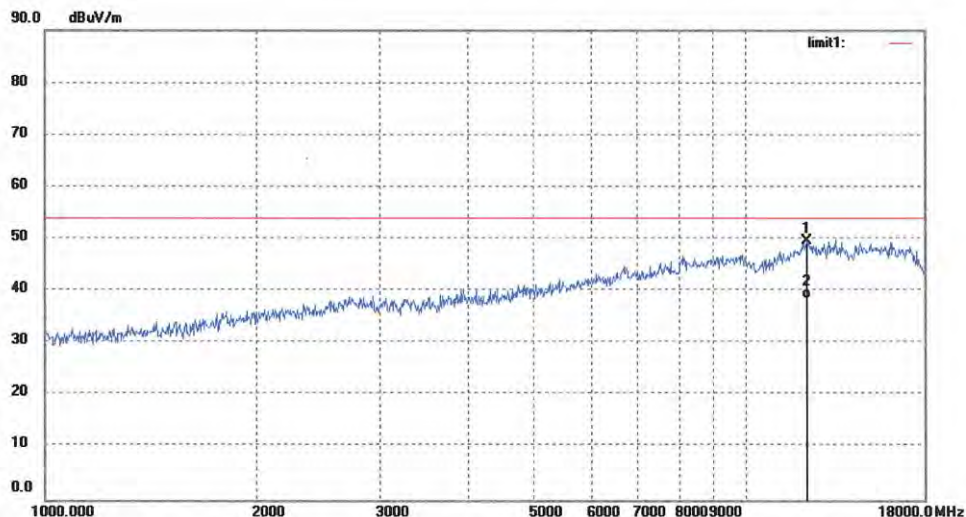
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #165
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2480MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 13/10/16/
Time: 11/53/08
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12225.067	11.60	38.12	49.72	74.00	-24.28	peak			
2	12225.067	0.38	38.12	38.50	54.00	-15.50	AVG			


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Site: 2# Chamber

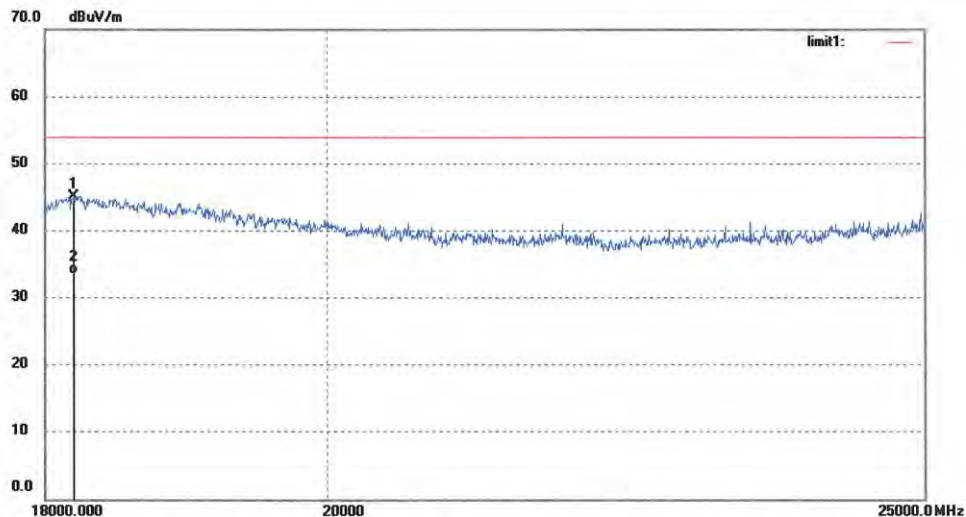
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #187
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: RX 2402MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2013/10/16
 Time: 20:16:38
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18196.588	28.62	16.53	45.15	74.00	-28.85	peak			
2	18196.588	16.96	16.53	33.49	54.00	-20.51	AVG			

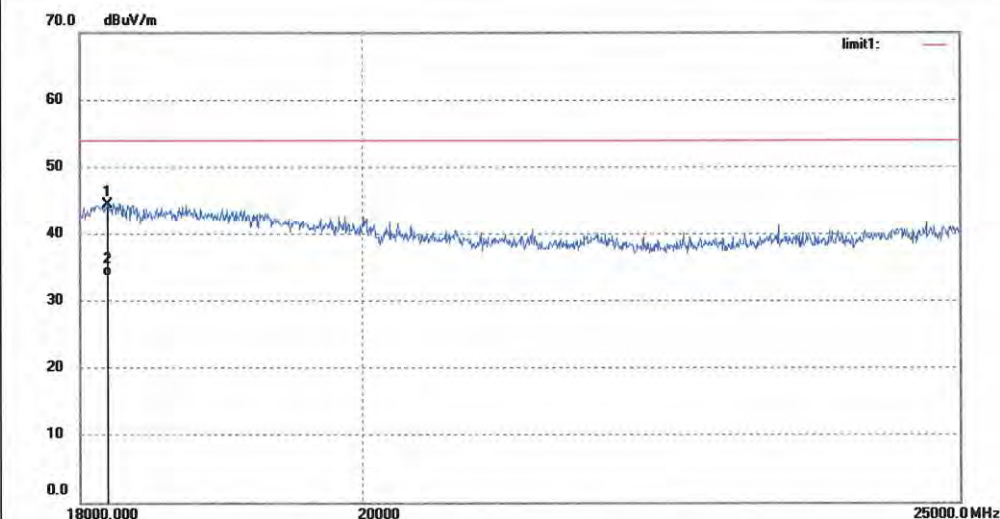

ACCURATE TECHNOLOGY CO., LTD.
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

 Job No.: PHY #186
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: RX 2402MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 2013/10/16
 Time: 20:07:46
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18184.613	27.87	16.51	44.38	74.00	-29.62	peak			
2	18184.613	17.13	16.51	33.64	54.00	-20.36	AVG			


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

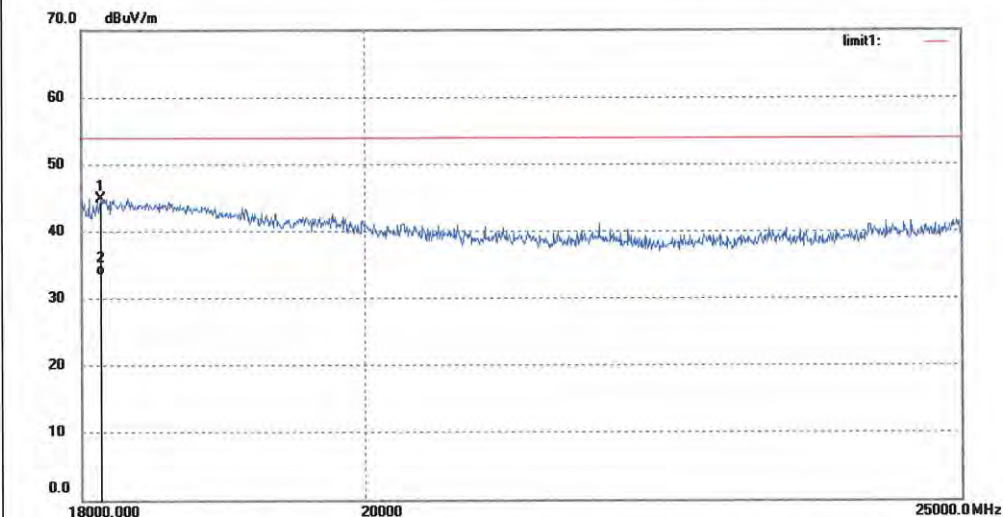
Site: 2# Chamber

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

 Job No.: PHY #188
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: RX 2441MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 2013/10/16
 Time: 20:24:24
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18130.821	28.56	16.39	44.95	74.00	-29.05	peak			
2	18130.821	17.08	16.39	33.47	54.00	-20.53	AVG			


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Site: 2# Chamber

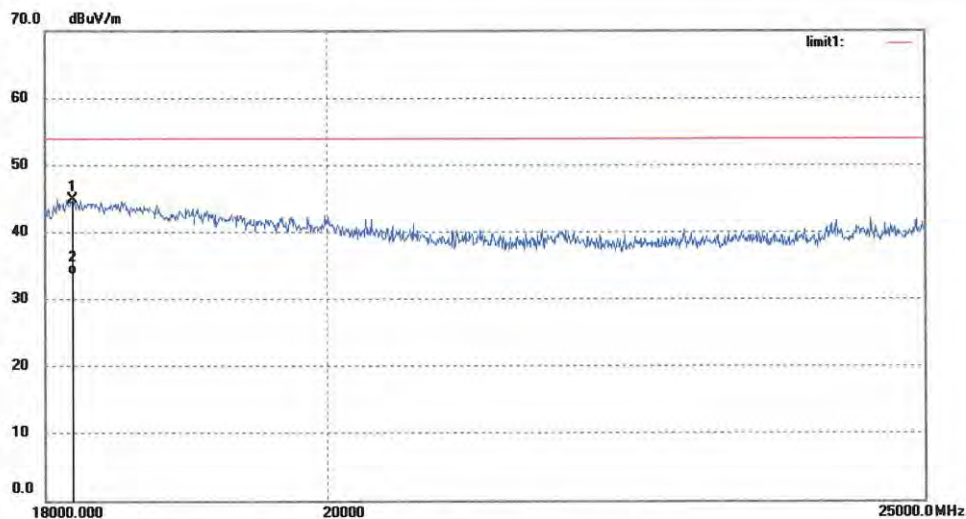
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #189
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: RX 2441MHz
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 2013/10/16
 Time: 20:34:09
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18184.613	28.39	16.51	44.90	74.00	-29.10	peak			
2	18184.613	17.24	16.51	33.75	54.00	-20.25	AVG			


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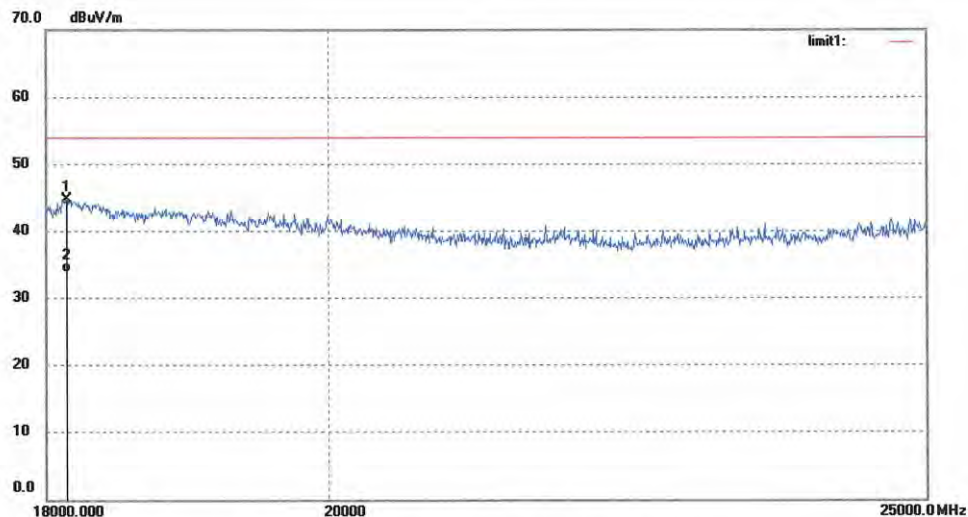
Site: 2# Chamber

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

Job No.: PHY #191
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2480MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 2013/10/16
Time: 20:51:44
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18136.790	28.37	16.40	44.77	74.00	-29.23	peak			
2	18136.790	17.40	16.40	33.80	54.00	-20.20	AVG			


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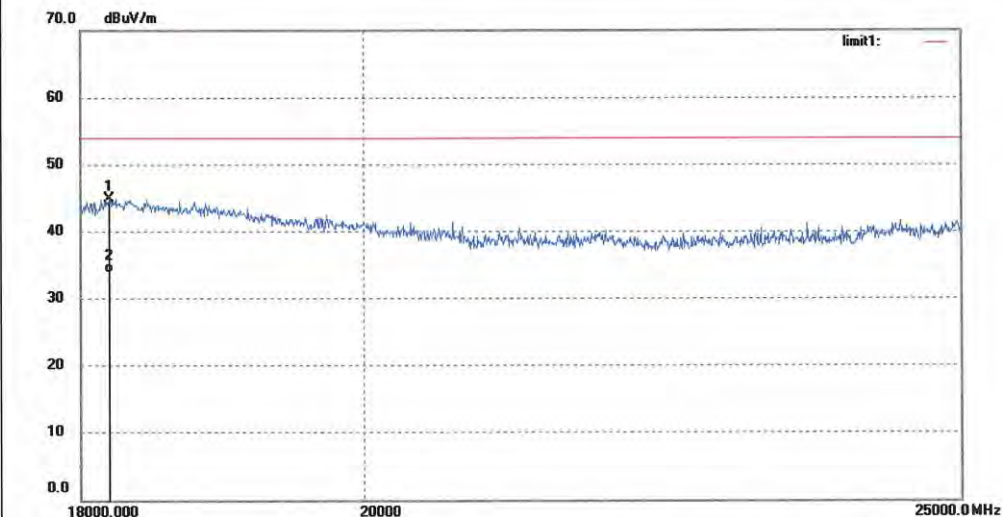
Site: 2# Chamber

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

Job No.: PHY #190
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: RX 2480MHz
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2013/10/16
Time: 20:43:50
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18196.588	28.42	16.53	44.95	74.00	-29.05	peak			
2	18196.588	17.33	16.53	33.86	54.00	-20.14	AVG			

5.1.6 Frequency Separation

RESULT:

Pass

Date of testing	:	2013-10-15
Test standard	:	FCC part 15.247(a)(1) RSS-210 A8.1(b)
Basic standard	:	ANSI C63.4: 2009
Limit	:	≥ 25kHz or two-thirds of 20dB bandwidth, whichever is greater
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

Table 6: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1.002	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1.002	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2479	1.002	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2480			

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5.1.7 Number of hopping frequency**RESULT:****Pass**

Date of testing : 2013-10-15
Test standard : FCC part 15.247(a)(1)(iii)
RSS-210 A8.1(d)
Basic standard : ANSI C63.4: 2009
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shield room

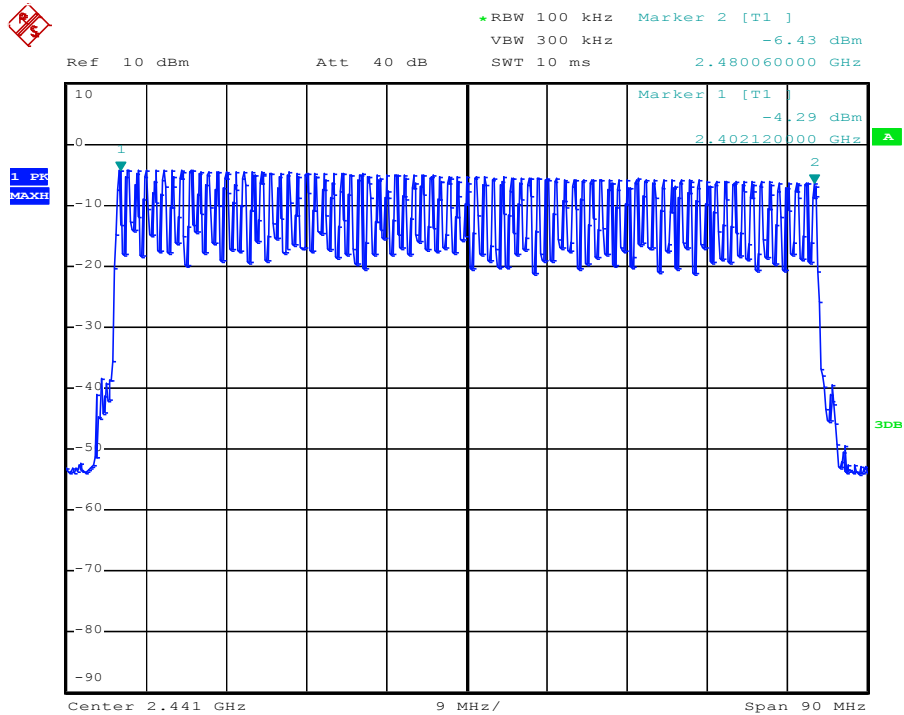
Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.1.a
Ambient temperature : 25°C
Relative humidity : 52%
Atmospheric pressure : 101kPa

Table 7: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2402 to 2480MHz	79	≥ 15	Pass

Test Plot of Number of hopping frequency



Date: 15.OCT.2013 14:20:51

5.1.8 Time of Occupancy

RESULT:

Pass

Date of testing	:	2013-10-15
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-210 A8.1(d)
Basic standard	:	ANSI C63.4: 2009
Limits	:	0.4s
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

Table 8: Test result of Time of Occupancy

Channel	Pulse width (ms)		Measured time of Occupancy (s)	Limit (s)	Result
2402MHz	DH1	0.46	0.14674	0.4	Pass
	DH3	1.74	0.28710	0.4	Pass
	DH5	3.03	0.33330	0.4	Pass
2441MHz	DH1	0.46	0.14720	0.4	Pass
	DH3	1.74	0.28536	0.4	Pass
	DH5	3.03	0.33330	0.4	Pass
2480MHz	DH1	0.46	0.14766	0.4	Pass
	DH3	1.74	0.28536	0.4	Pass
	DH5	3.00	0.32700	0.4	Pass

Note:

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

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5.1.9 Conducted emissions**RESULT:****Pass**

Date of testing	:	2013-10-18
Test standard	:	FCC Part 15.107
	:	ICES-003 Issue 5 February 2012
Basic standard	:	ANSI C63.4: 2009
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.107(a)
	:	ICES-003 Issue 5 February 2012
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A, B
Earthing	:	Not Connected
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

Test Plot of Conducted emissions

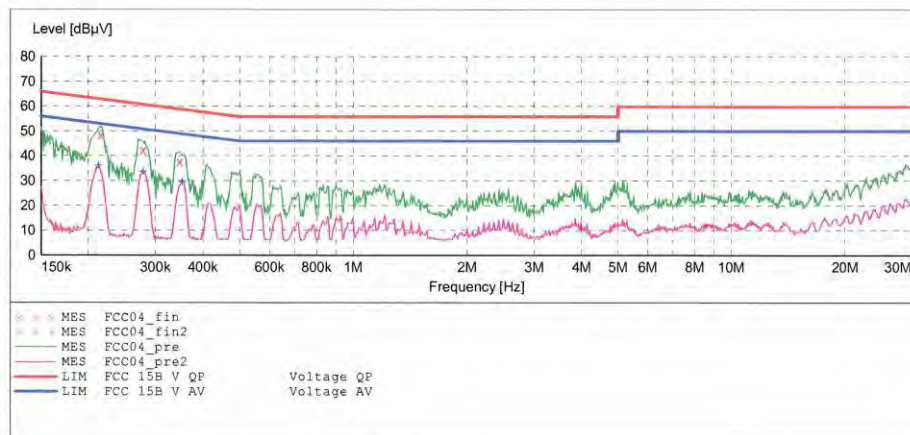
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Bluetooth 2.1 Speaker System M/N:NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION
 Operating Condition: BT Playing
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains Port
 Start of Test: 10/18/2013 / 11:10:56AM

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

Short Description: _SUB_STD VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "FCC04_fin"

10/18/2013 11:17AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.215704	48.60	11.8	63	14.4	QP	L1	GND
0.278495	42.50	12.1	61	18.4	QP	L1	GND
0.346873	37.90	12.3	59	21.1	QP	L1	GND

MEASUREMENT RESULT: "FCC04_fin2"

10/18/2013 11:17AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.212287	36.00	11.8	53	17.1	AV	L1	GND
0.278495	33.70	12.1	51	17.2	AV	L1	GND
0.352457	29.50	12.3	49	19.4	AV	L1	GND

Prüfbericht - Nr.: 17035972 001
 Test Report No.

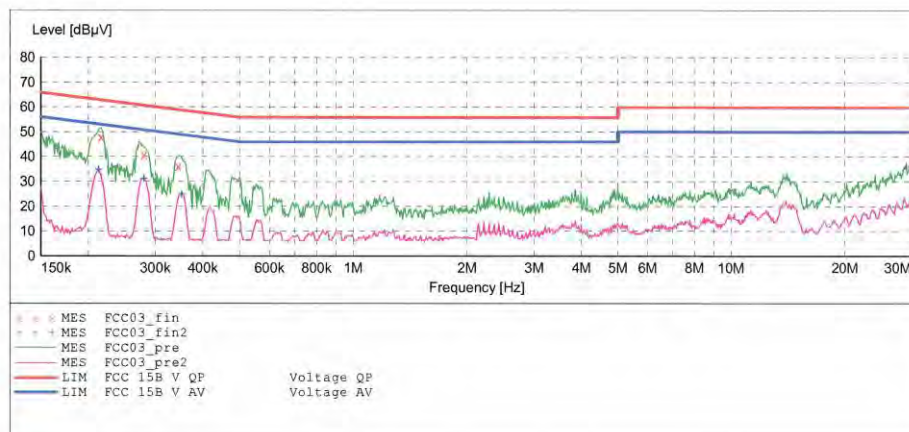
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CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Bluetooth 2.1 Speaker System M/N:NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION
 Operating Condition: BT Playing
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains Port
 Start of Test: 10/18/2013 / 11:00:57AM

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: "FCC03_fin"

10/18/2013 11:08AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.215704	48.10	11.8	63	14.9	QP	N	GND
0.279609	40.80	12.1	61	20.0	QP	N	GND
0.344115	36.30	12.2	59	22.8	QP	N	GND

MEASUREMENT RESULT: "FCC03_fin2"

10/18/2013 11:08AM

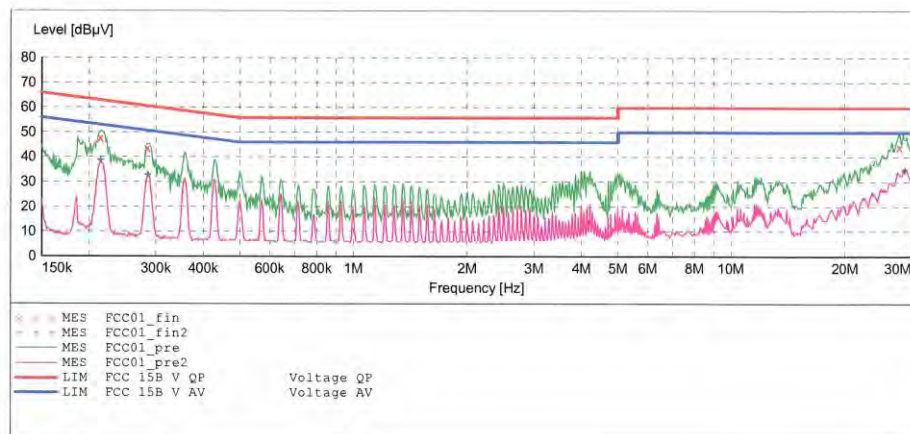
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.212287	34.70	11.8	53	18.4	AV	N	GND
0.279609	31.10	12.1	51	19.7	AV	N	GND
0.351053	24.70	12.3	49	24.2	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Bluetooth 2.1 Speaker System M/N:NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION
 Operating Condition: Aux in
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: L 120V/60Hz
 Comment: Mains Port
 Start of Test: 10/18/2013 / 10:44:26AM

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: "FCC01_fin"

10/18/2013 10:51AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.213989	47.80	11.8	63	15.2	QP	L1	GND
0.285246	43.70	12.1	61	17.0	QP	L1	GND
27.894676	44.30	12.0	60	15.7	QP	L1	GND

MEASUREMENT RESULT: "FCC01_fin2"

10/18/2013 10:51AM

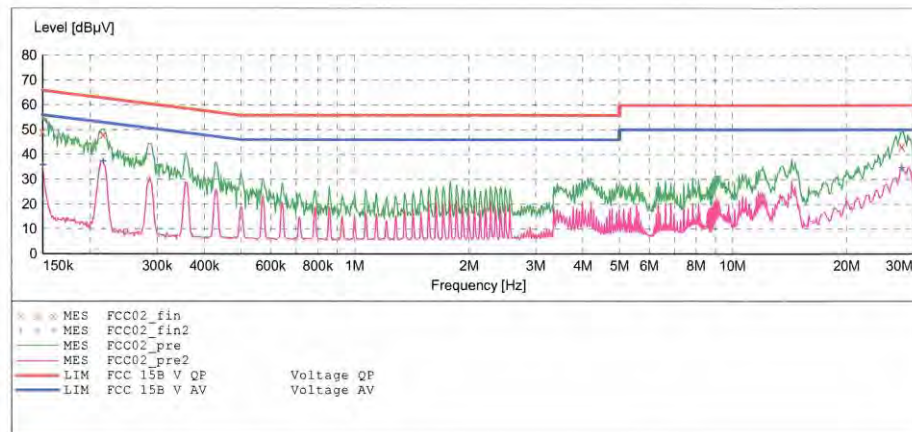
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.213989	38.80	11.8	53	14.2	AV	L1	GND
0.285246	32.80	12.1	51	17.9	AV	L1	GND
28.799903	34.60	12.0	50	15.4	AV	L1	GND

ACCURATE TECHNOLOGY CO.,LTD
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Bluetooth 2.1 Speaker System M/N:NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION
 Operating Condition: Aux in
 Test Site: 1#Shielding Room
 Operator: PEI
 Test Specification: N 120V/60Hz
 Comment: Mains Port
 Start of Test: 10/18/2013 / 10:52:40AM

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

Short Description: SUB STD VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "FCC02_fin"

10/18/2013 10:58AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	49.30	11.5	66	16.7	QP	N	GND
0.215704	48.30	11.8	63	14.7	QP	N	GND
28.006255	43.40	12.0	60	16.6	QP	N	GND

MEASUREMENT RESULT: "FCC02_fin2"

10/18/2013 10:58AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	35.80	11.5	56	20.2	AV	N	GND
0.215704	37.30	11.8	53	15.7	AV	N	GND
28.006255	34.70	12.0	50	15.3	AV	N	GND

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5.1.10 Radiated emissions**RESULT:****Pass**

Date of testing	:	2013-10-18
Test standard	:	FCC Part 15.109
	:	ICES-003 Issue 5 February 2012
Basic standard	:	ANSI C63.4: 2009
Frequency range	:	30 – 6000MHz *
Limits	:	FCC Part 15.109(a)
	:	ICES-003 Issue 5 February 2012
Kind of test site	:	3m Semi-Anechoic Chamber

Test Setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	B
Earthing	:	Not Connected
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

*- The EUT's highest frequency generated and used is less than 1000MHz, hence the highest scan frequency is up to 6GHz only.

For details refer to following test plot.

Test Plot of Radiated emissions



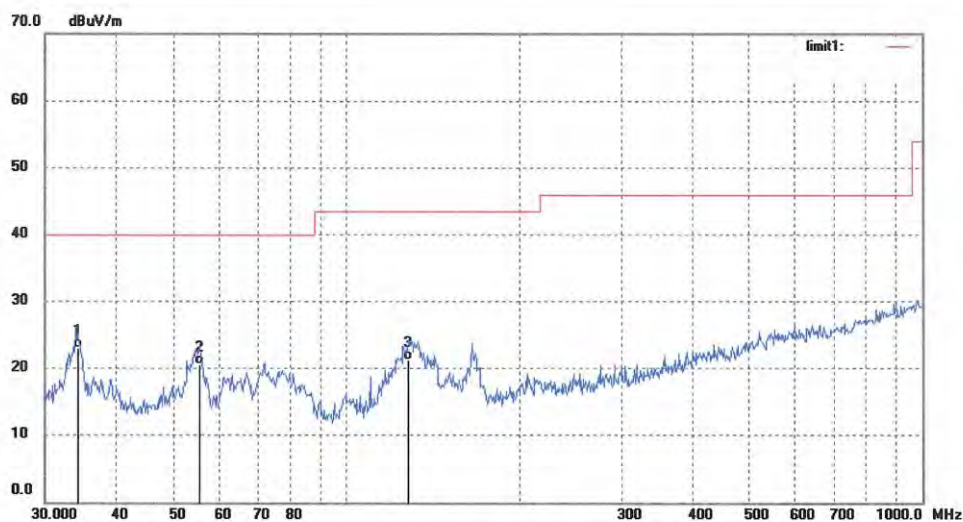
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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: PHY #196
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: Aux in
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 13/10/18/
 Time: 10/16/39
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.2559	34.28	-11.34	22.94	40.00	-17.06	QP			
2	55.4829	33.57	-13.06	20.51	40.00	-19.49	QP			
3	128.0355	34.99	-13.81	21.18	43.50	-22.32	QP			

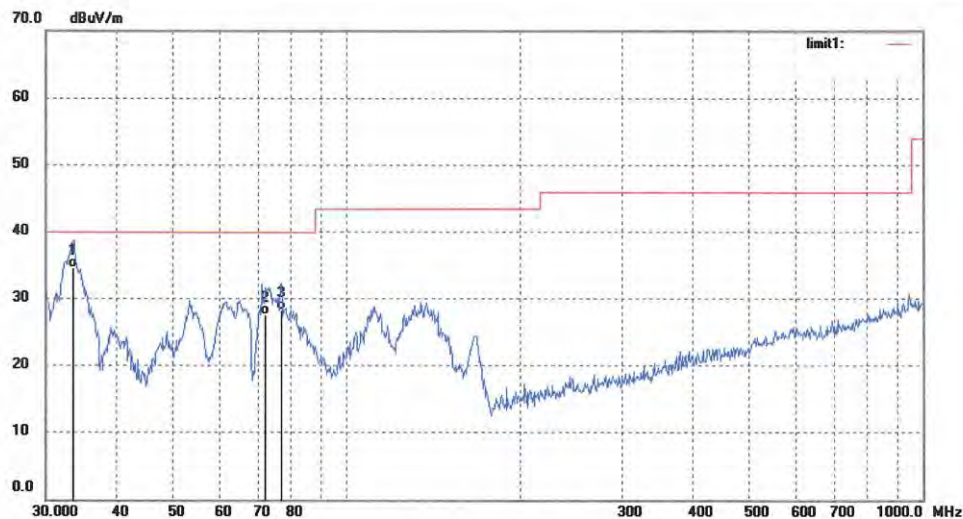

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 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

 Job No.: PHY #195
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: Bluetooth 2.1 Speaker System
 Mode: Aux in
 Model: NS-PSB4521
 Manufacturer: JAZZ HIPSTER CORPORATION

 Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 13/10/18/
 Time: 10/05/35
 Engineer Signature: PEI
 Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.7704	44.80	-10.30	34.50	40.00	-5.50	QP			
2	72.2111	43.90	-16.40	27.50	40.00	-12.50	QP			
3	76.9256	44.87	-16.66	28.21	40.00	-11.79	QP			


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Site: 2# Chamber

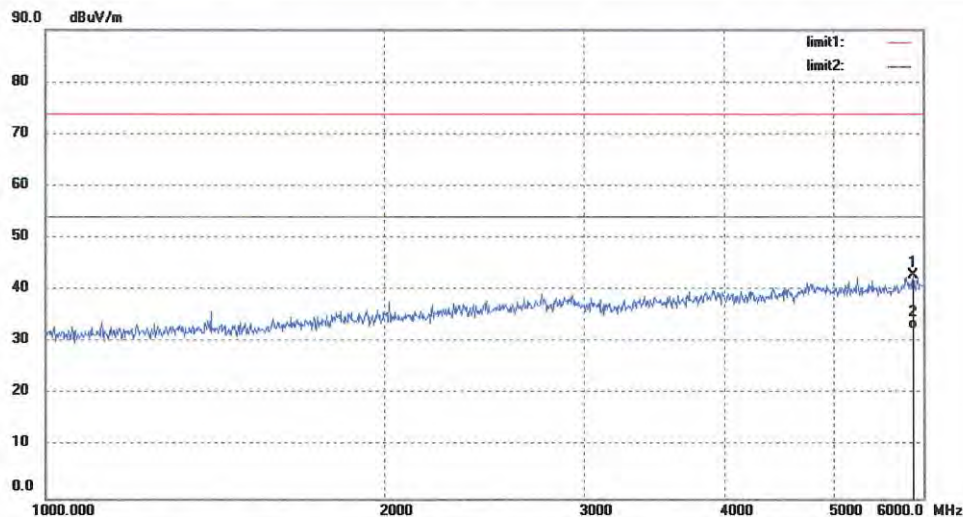
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: PHY #198
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Bluetooth 2.1 Speaker System
Mode: Aux in
Model: NS-PSB4521
Manufacturer: JAZZ HIPSTER CORPORATION

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 13/10/18/
Time: 10/35/11
Engineer Signature: PEI
Distance: 3m

Note:



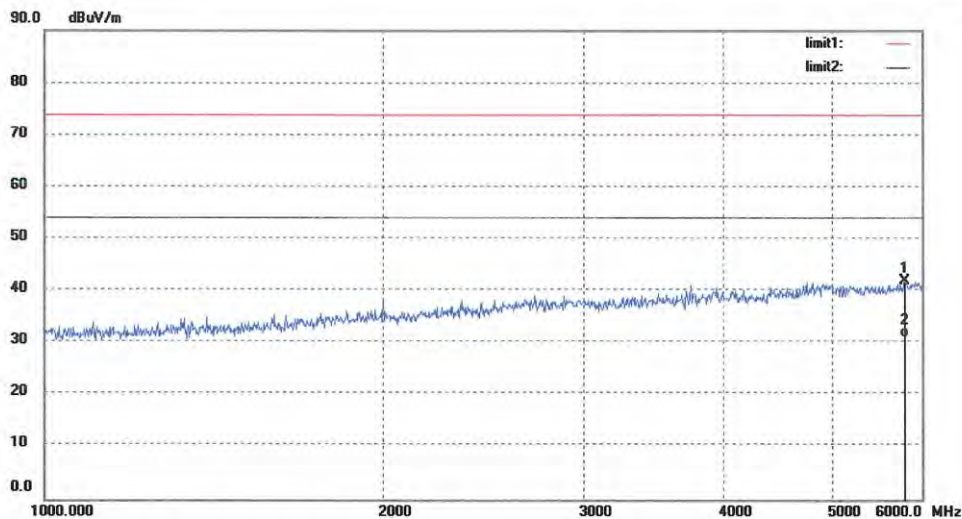
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5882.202	40.83	1.94	42.77	74.00	-31.23	peak			
2	5882.202	30.54	1.94	32.48	54.00	-21.52	AVG			


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

Job No.: PHY #197	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 13/10/18/
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 10/26/59
EUT: Bluetooth 2.1 Speaker System	Engineer Signature: PEI
Mode: Aux in	Distance: 3m
Model: NS-PSB4521	
Manufacturer: JAZZ HIPSTER CORPORATION	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5804.795	39.93	1.98	41.91	74.00	-32.09	peak			
2	5804.795	29.22	1.98	31.20	54.00	-22.80	AVG			

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Pass**

Test standard : RSS-102 Issue 4 March 2010
FCC KDB Publication 447498 D01 v05r01

The maximum peak output power of the transmitter is 0.467mW (-3.31dBm) only, which less than 20mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 4.

Since maximum peak output power of the transmitter is 0.467mW<96mW, and the distance from EUT to human is >50mm, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v05r01.

7. Photographs of the Test Set-Up

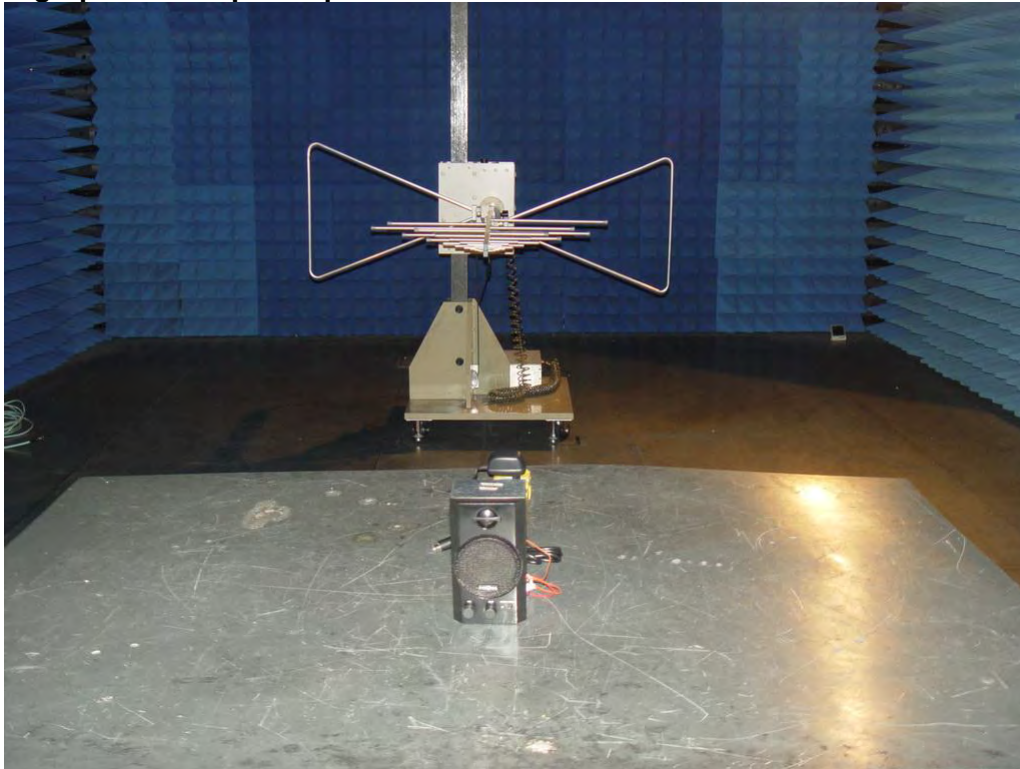
Photograph 1: Set-up for Conducted Emissions



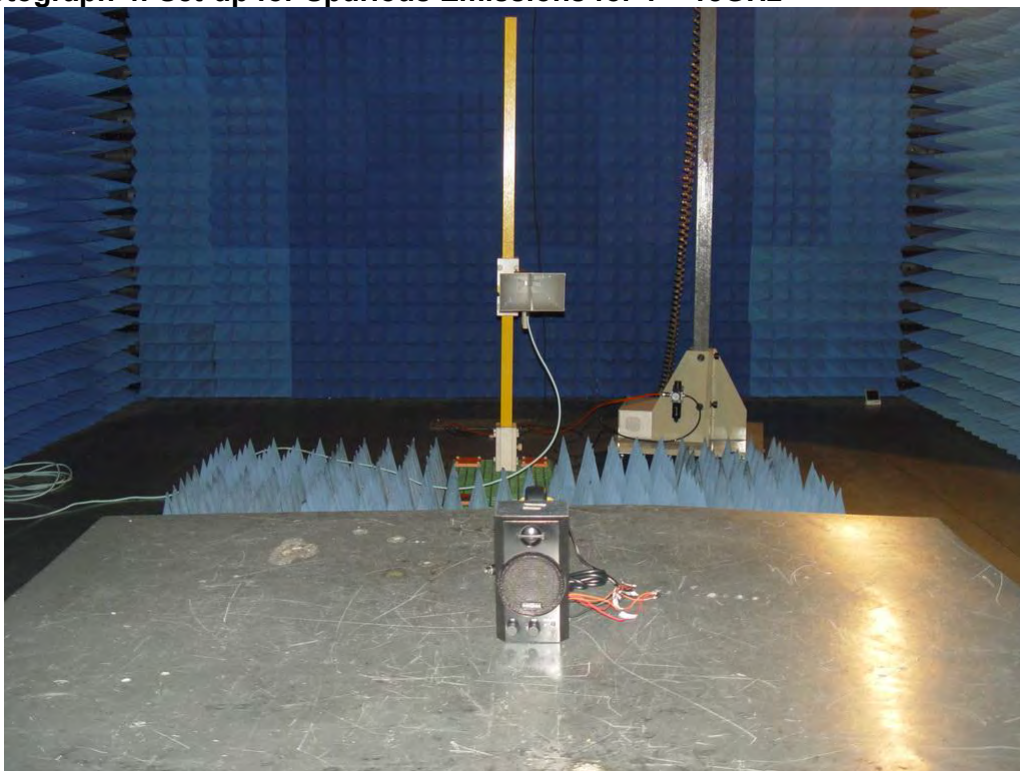
Photograph 2: Set-up for Radiated Emissions



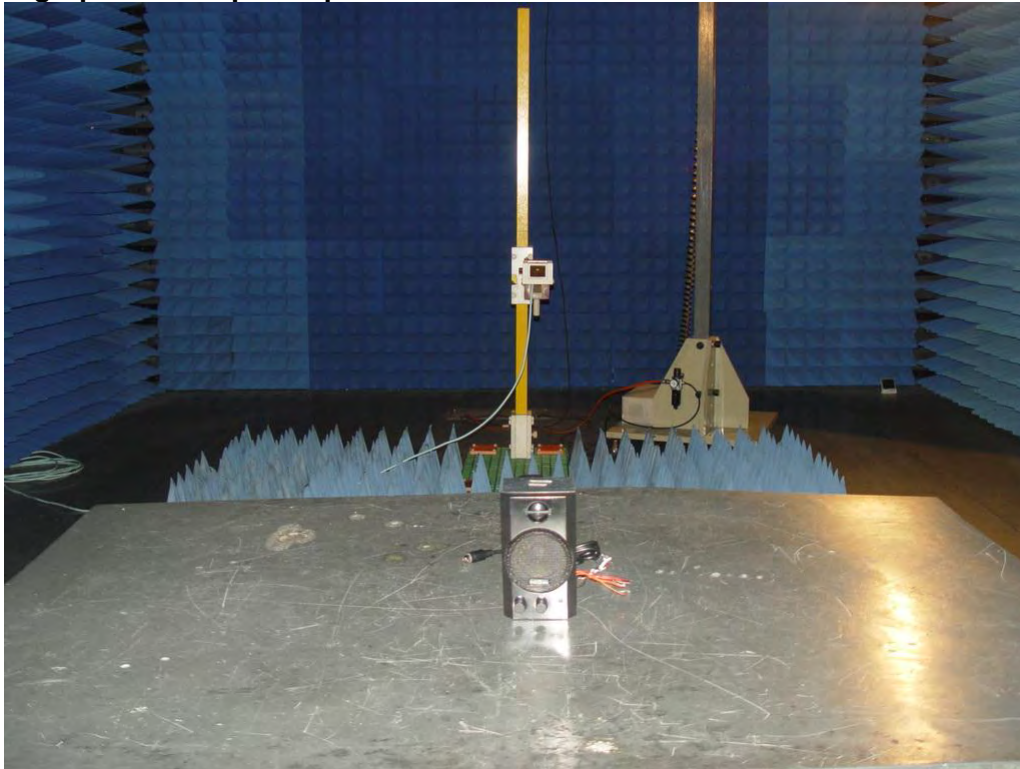
Photograph 3: Set-up for Spurious Emissions below 1GHz



Photograph 4: Set-up for Spurious Emissions for 1 – 18GHz



Photograph 5: Set-up for Spurious Emissions for 18 – 26.5GHz



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