

<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>17042542 001</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>164019520</b>	Seite 1 von 144 Page 1 of 144	
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	N/A	<b>Auftragsdatum:</b> <i>Order date:</i>	01.09.2014		
<b>Auftraggeber:</b> <i>Client:</i>	Zhong Shan City Richsound Electronic Industrial Ltd. A3/B/C Building, Qunle Industrial Area, East Shagang Road, Gangkou Town, Zhongshan City, Guangdong Province 528447, P.R. China				
<b>Prüfgegenstand:</b> <i>Test item:</i>	2.1CH Soundbase				
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	TT308, TT311, TT312, TT312BT, TT313, TT313BT, TT315, TT315BT, TT316, TT316BT, TT318, PSBV600BT				
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	FCC Certification				
<b>Prüfgrundlage:</b> <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.225 CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 FCC KDB Publication 447498 v05r01				
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	14.08.2014				
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	1401532, 1401533, 1401534, 1401535				
<b>Prüfzeitraum:</b> <i>Testing period:</i>	16.08.2014 - 30.08.2014				
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	Accurate Technology Co., Ltd.				
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.				
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass				
<b>geprüft von / tested by:</b>			<b>kontrolliert von / reviewed by:</b>		
22.09.2014	Tom Wang/Assistant Project Manager		22.09.2014	Owen Tian/Technical Certifier	
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges / Other:</b> FCC ID: Z8M-TT313					
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>			Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
<p>* 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</p> <p>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</p>					
<p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b>  <i>This test report 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.</i></p>					

V04

## TEST SUMMARY

**5.1.1 ANTENNA REQUIREMENT***RESULT: Pass***5.1.2 PEAK OUTPUT POWER***RESULT: Pass***5.1.3 20dB 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 EMISSION WITHIN BAND***RESULT: Pass***5.1.10 SPURIOUS EMISSION OUTSIDE BAND***RESULT: Pass***5.1.11 FREQUENCY TOLERANCE OF CARRIER SIGNAL***RESULT: Pass***5.1.12 CONDUCTED EMISSIONS***RESULT: Pass***5.1.1 CONDUCTED EMISSIONS***RESULT: Pass***5.1.2 RADIATED EMISSION***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)**

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
<b>Transmitter spurious emissions &amp; Receiver spurious emissions</b>				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Test Receiver	Rohde&Schwarz	ESCS30	100307	2015-01-11
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-11
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-11
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-11
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-11
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	2015-01-11
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	2015-01-11
<b>Radio Spectrum Test</b>				
EMI Test Receiver	Rohde&Schwarz	ESPI-3	100396/003	2015-01-11
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	2015-01-11
<b>Conducted Emission</b>				
Test Receiver	Rohde&Schwarz	ESCS30	100307	2015-01-11
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2015-01-11
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100815	2015-01-11
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015-01-11
<b>Radiated Emission</b>				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-11
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-11
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-11
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-11
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2015-01-11
RF Coaxial Cable (966 Chamber) (for below 1GHz test)	Suhner	N-3m	No.8	2015-01-11
RF Coaxial Cable (966 Chamber) (for below 1GHz test)	Resenberger	N-3.5m	No.9	2015-01-11
RF Coaxial Cable (966 Chamber) (for below 1GHz test)	Suhner	N-6m	No.10	2015-01-11
RF Coaxial Cable (966 Chamber) (for above 1GHz test)	Resenberger	N-12m	No.11	2015-01-11
RF Coaxial Cable (966 Chamber) (for above 1GHz test)	Resenberger	N-0.5m	No.12	2015-01-11

## 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 26.5 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 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 are multimedia speaker with Bluetooth function used for audio entertainment in house or similar environment, and it has NFC function (13.56MHz), when the user put the mobile device on top of the input indicator, the Bluetooth connection will be made automatically by NFC.

These models have same RF module and main board, only some function, enclosure, model name & trademark are different.

**Table 3: List of model name & difference description**

Model name	Trade name	Difference description
TT308	RSR	AUX, MP3 Link, Coaxial, Bluetooth, HDMI, NFC, LED Display
TT311	RSR	AUX, MP3 Link, Coaxial, Bluetooth, HDMI, NFC, LED Display
TT312	RSR	AUX, MP3 Link, Coaxial, Bluetooth, HDMI, NFC, VFD Display
TT312BT	RSR	AUX, MP3 Link, Optical, Bluetooth, FM, HDMI, NFC, VFD Display
TT313	RSR	AUX, MP3 Link, Optical, Bluetooth, HDMI, NFC, LED Display
TT313BT	RSR	AUX, MP3 Link, Coaxial, Bluetooth, HDMI, NFC, LED Display
TT315	RSR	AUX, MP3 Link, Optical, Bluetooth, HDMI, NFC, VFD DISPLAY
TT315BT	RSR	AUX, MP3 Link, Coaxial, Bluetooth, HDMI, NFC, LED Display
TT316	RSR	AUX, MP3 Link, Coaxial, Bluetooth, HDMI, NFC, VFD Display
TT316BT	RSR	AUX, MP3 Link, Optical, Bluetooth, FM, HDMI, NFC, VFD Display
TT318	RSR	AUX, MP3 Link, Optical, Bluetooth, HDMI, NFC, LCD Display
PSBV600BT	PYLE	AUX, MP3 Link, Optical, Bluetooth, LED Display

#### 3.2 Ratings and System Details

**Table 4: Technical Specification of EUT**

Technical Specification	Value
Kind of Equipment	2.1CH Soundbase
Type Designation	Refer to Table 3 of clause 3.1
Operating Frequency band	2402 – 2480MHz for Bluetooth, 13.56MHz for NFC
Channel separation	1MHz
Extreme Temperature Range	-20~+45°C
Operation Voltage	AC 120V, 60Hz
Modulation	GFSK, 8DPSK, $\pi/4$ DQPSK for Bluetooth, ASK for NFC
Bluetooth version	2.1 + EDR
Antenna Gain	2dBi for Bluetooth



### 3.3 Independent Operation Modes

The basic operation modes are:

- A. On
  - 1. Bluetooth mode
    - a. Transmitting
    - b. Receiving
  - 2. NFC function
    - a. Transmitting
    - b. Receiving
- B. AUX input
- C. MP3 input
- D. HDMI input
- E. FM mode
- F. Coaxial mode
- G. Optical mode
- H. Standby
- I. 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       |

## 4. Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

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

### 4.2 Test Operation and Test Software

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

### 4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	S/N
iPod	Apple	A1238	8K039T1Y9ZU
Mobile Telephone	SAMSUNG	GT-I9300	---
Multimedia Player	TOSHIBA	STOR.E TV+	---
DVD Player	KENUO	966T1	---

### 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

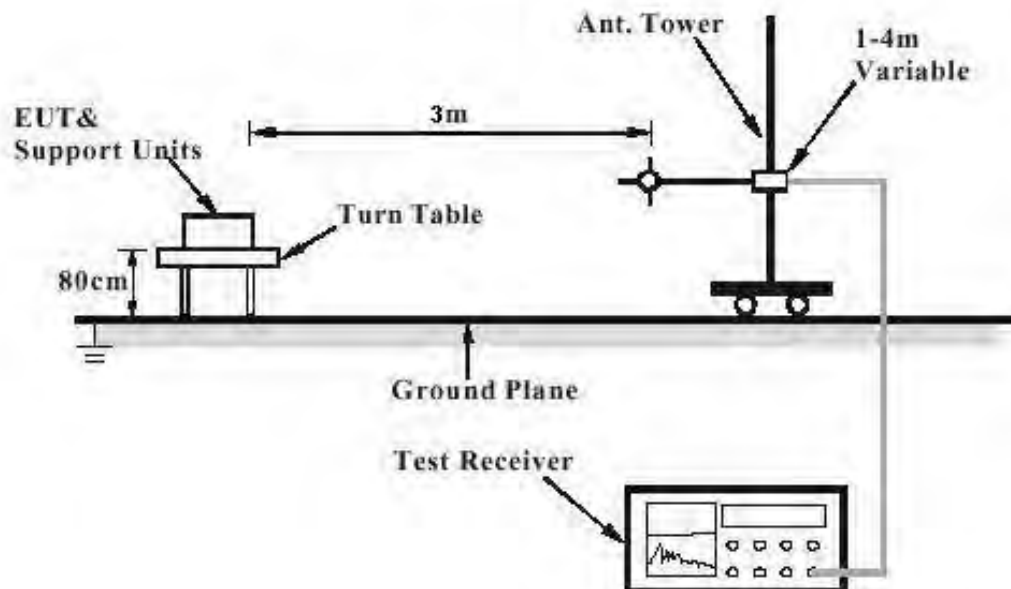
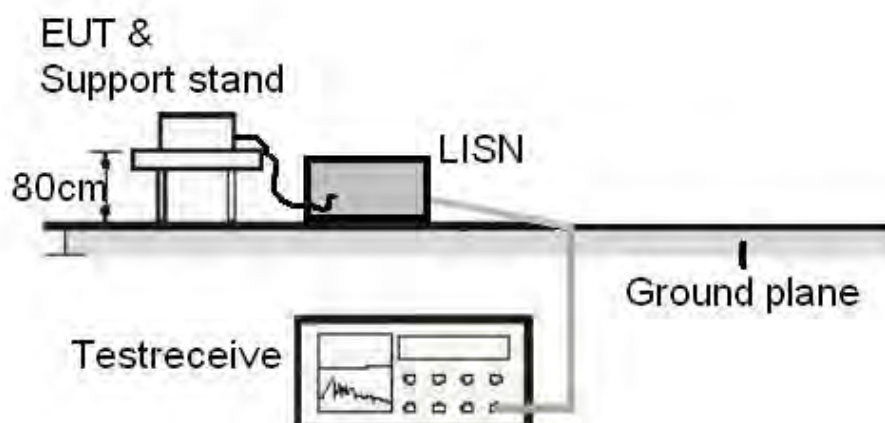
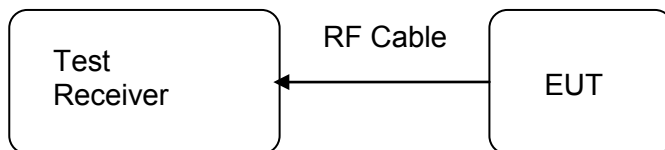


Diagram of Measurement Equipment Configuration for Conduction Measurement



**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  
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 2dBi, 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.

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

Test date : 2014-08-20  
Test standard : FCC Part 15.247(b)(1)  
Basic standard : ANSI C63.4: 2003  
Clause 9.1 of KDB 558074 v03r01  
Limit : 125mW, 1W  
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 Peak Output Power of Buletooth (BDR mode)**

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	0.26	21
Middle Channel	2441	0.11	21
High Channel	2480	-0.13	21

**Table 6: Test result of Peak Output Power of Bluetooth (EDR mode)**

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	0.87	21
Middle Channel	2441	0.66	21
High Channel	2480	0.32	21

**5.1.3 20dB Bandwidth****RESULT:****Pass**

Date of testing : 2014-08-20  
Test standard : FCC Part 15.247(a)(1)  
Basic standard : ANSI C63.4: 2003  
Clause 8 of KDB 558074 v03r01  
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 7: Test result of 20dB & 99% Bandwidth of BDR mode**

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)
Low Channel	2402	0.834
Mid Channel	2441	0.834
High Channel	2480	0.834

**Table 8: Test result of 20dB & 99% Bandwidth of EDR mode**

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)
Low Channel	2402	1.206
Mid Channel	2441	1.200
High Channel	2480	1.200

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

Date of testing : 2014-08-20  
Test standard : FCC part 15.247(d)  
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);  
Kind of test site : Shield room

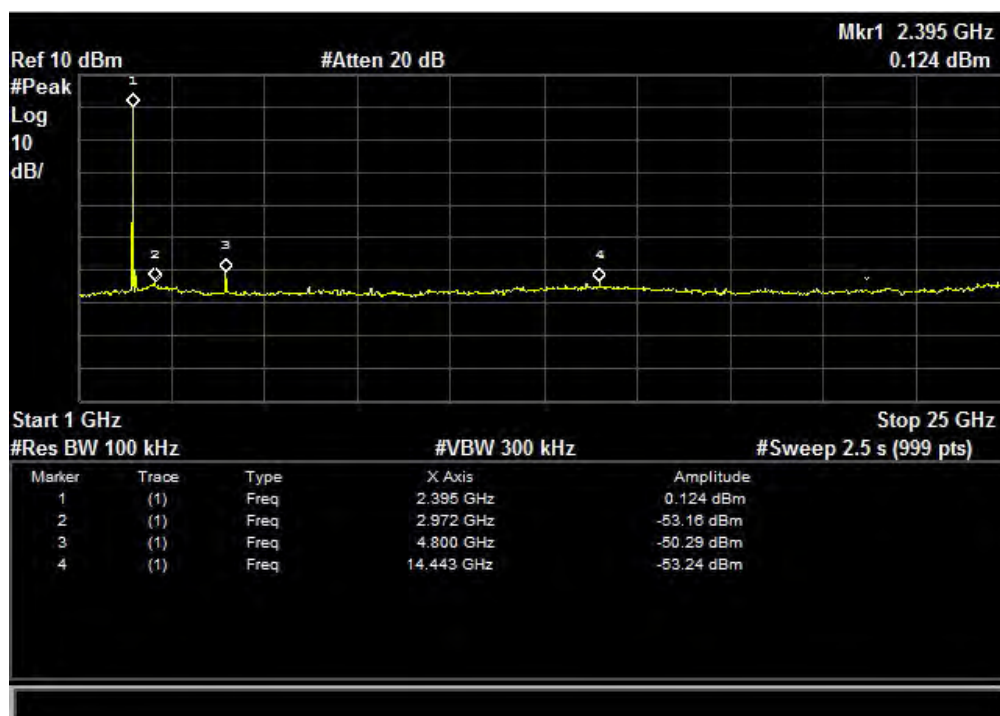
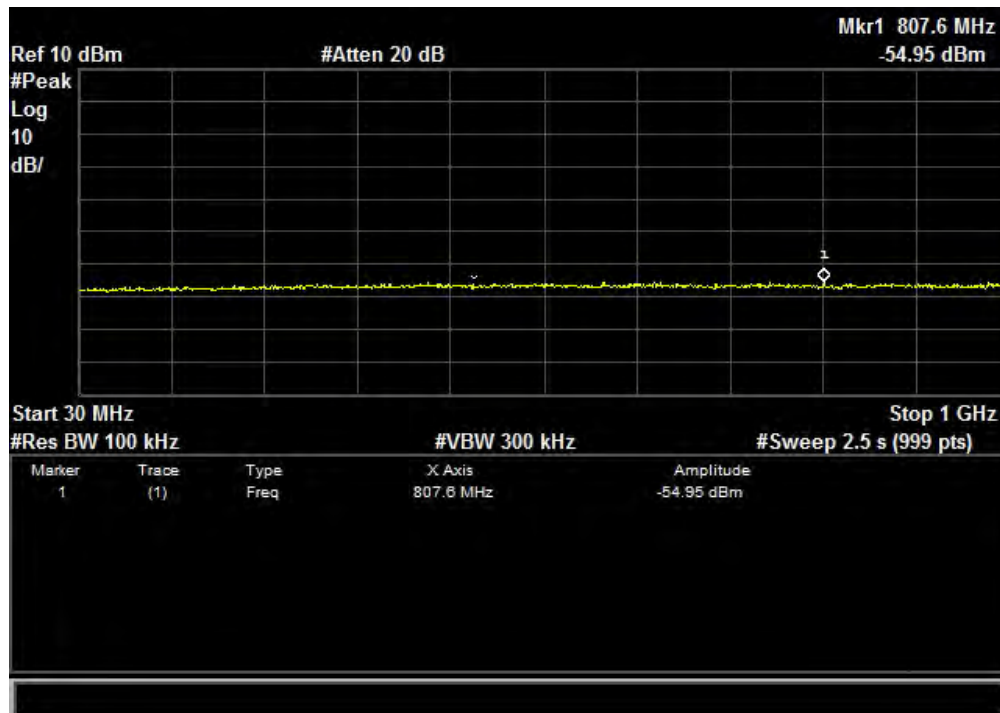
**Test setup**

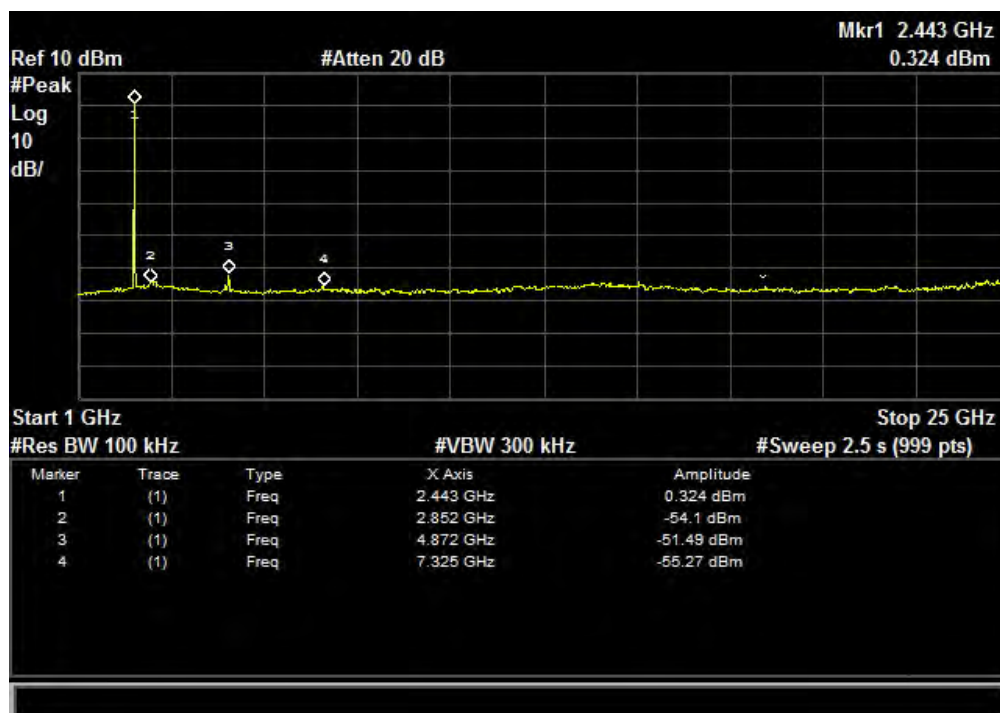
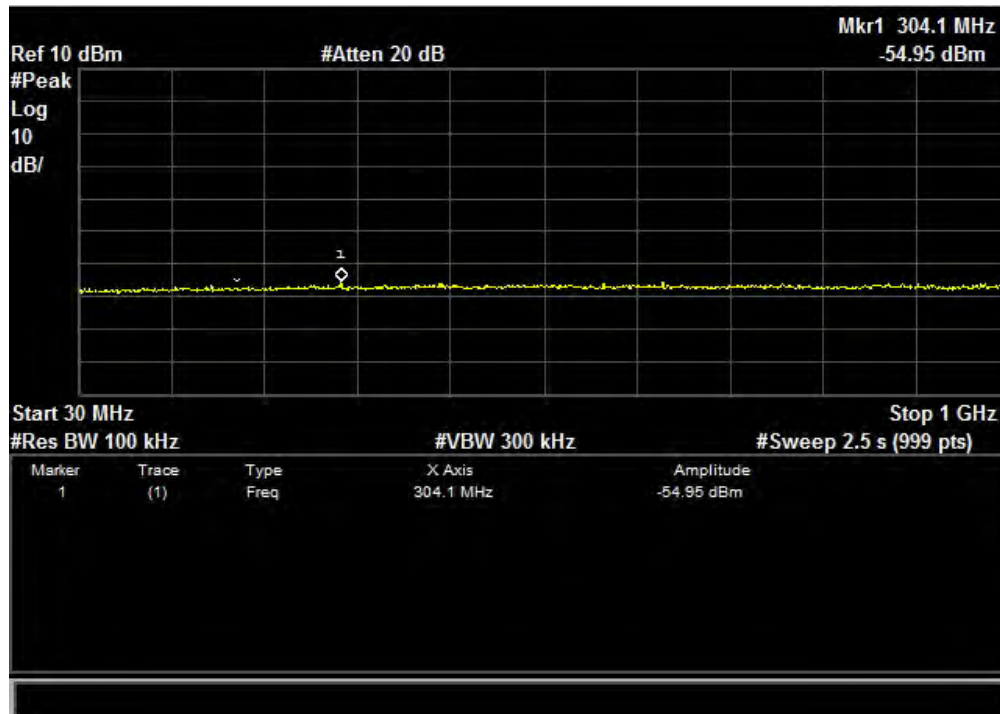
Test Channel : Low/ Middle/ High  
Operation mode : A.1.a  
Ambient temperature : 25°C  
Relative humidity : 52%  
Atmospheric pressure : 101kPa

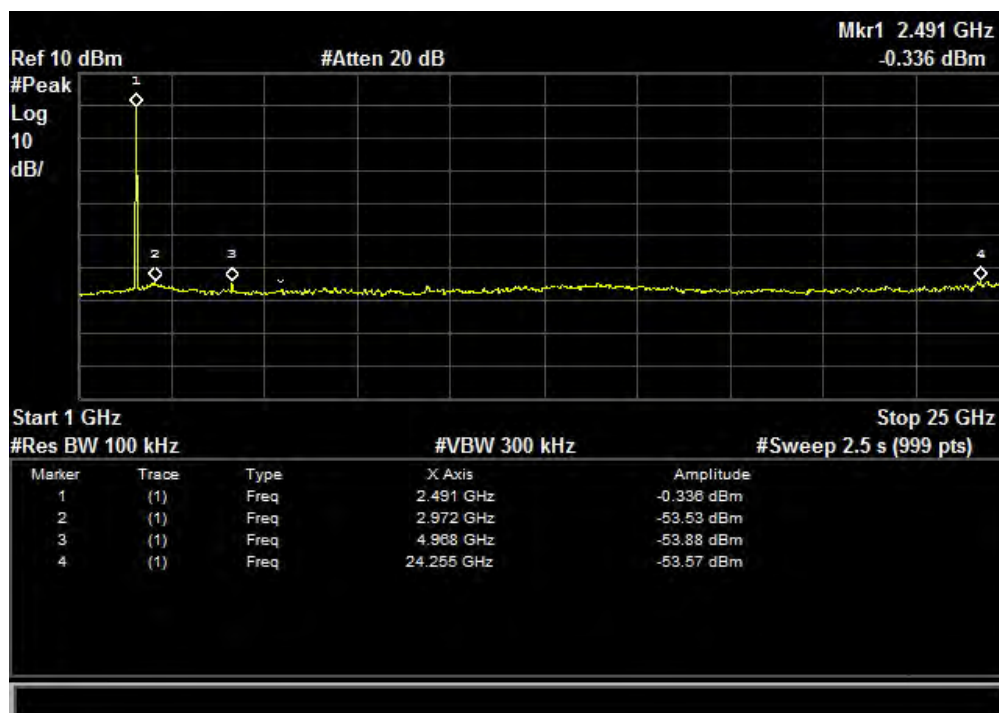
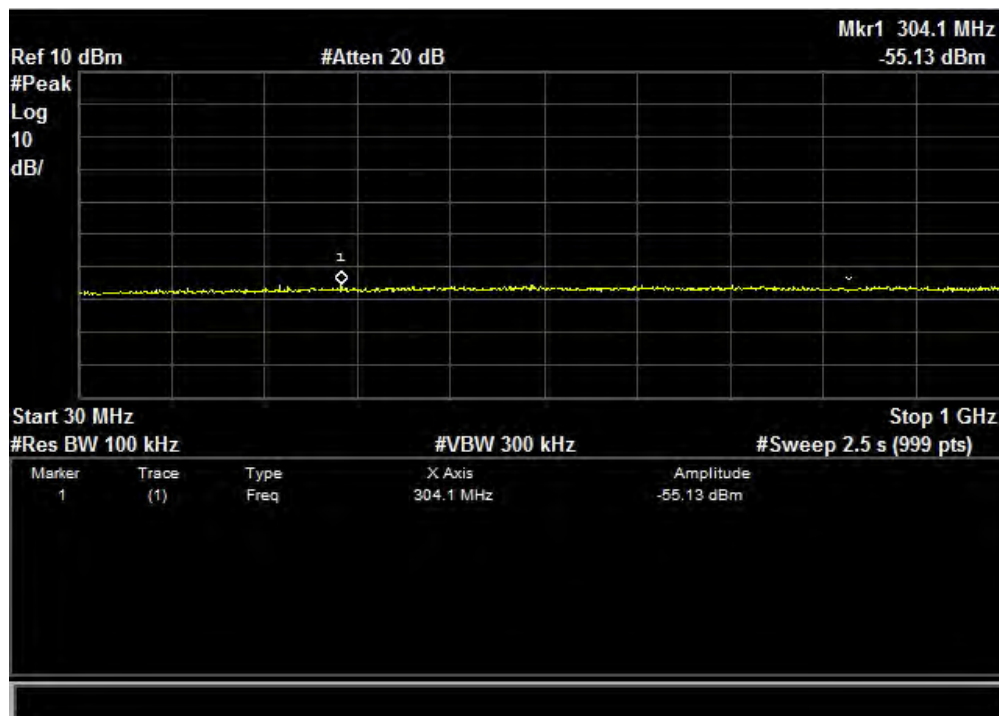
For details refer to following test plot.

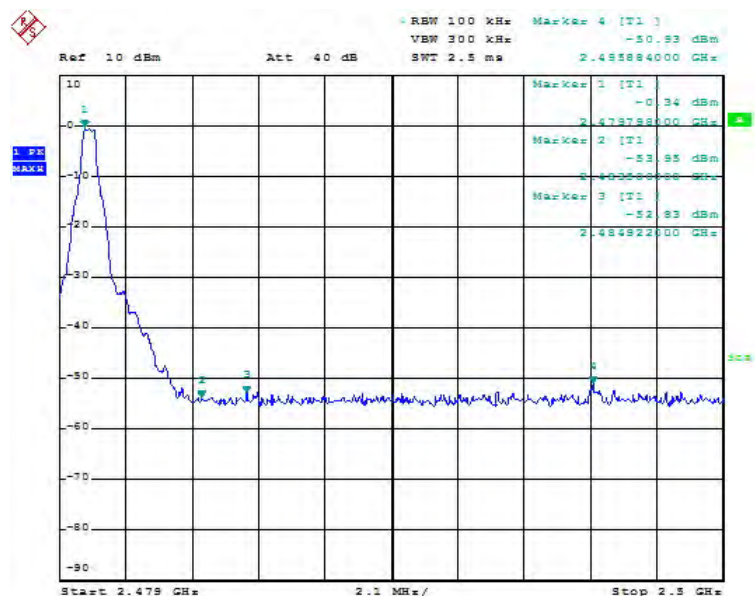
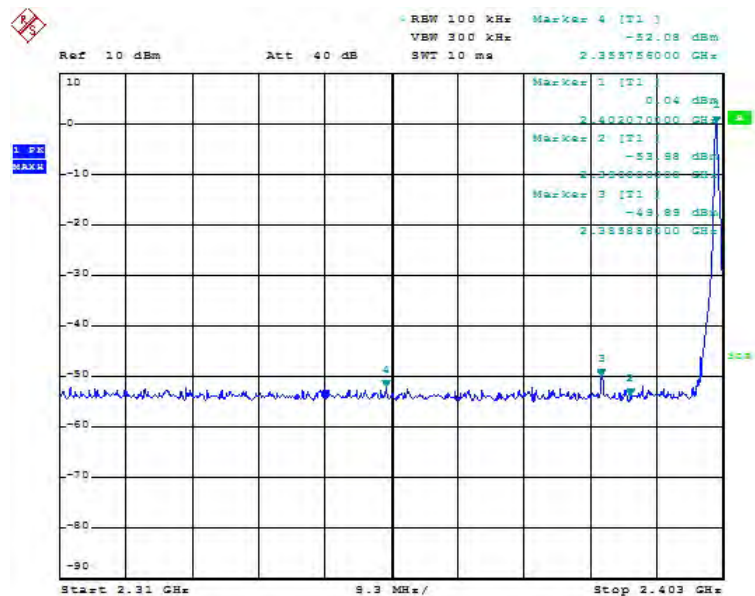


## Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode Low Channel



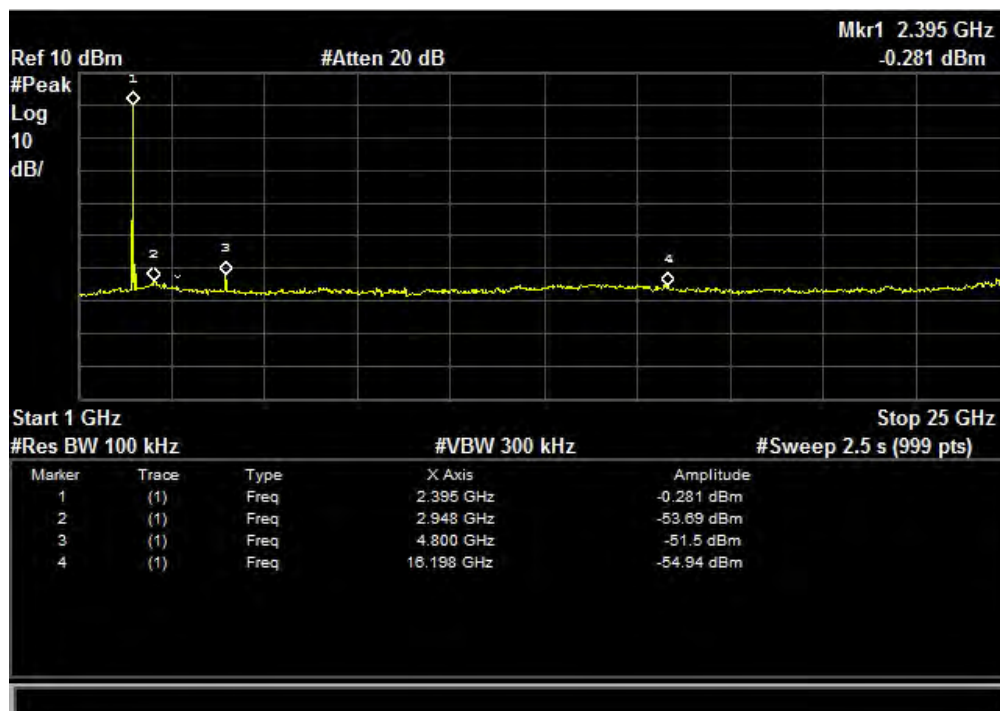
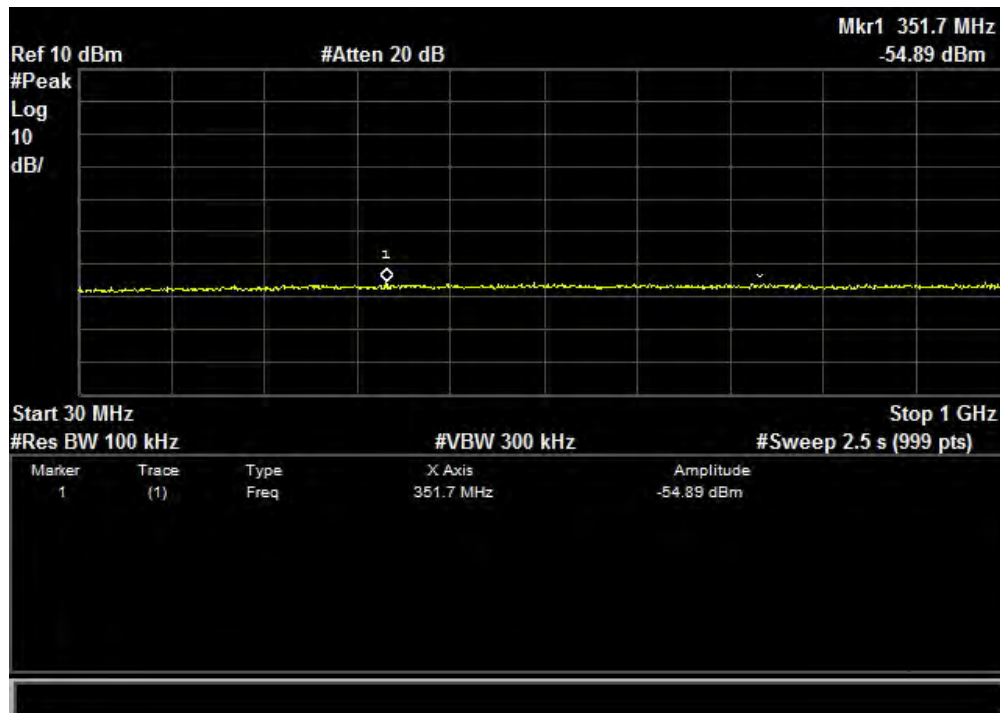
**Middle Channel**


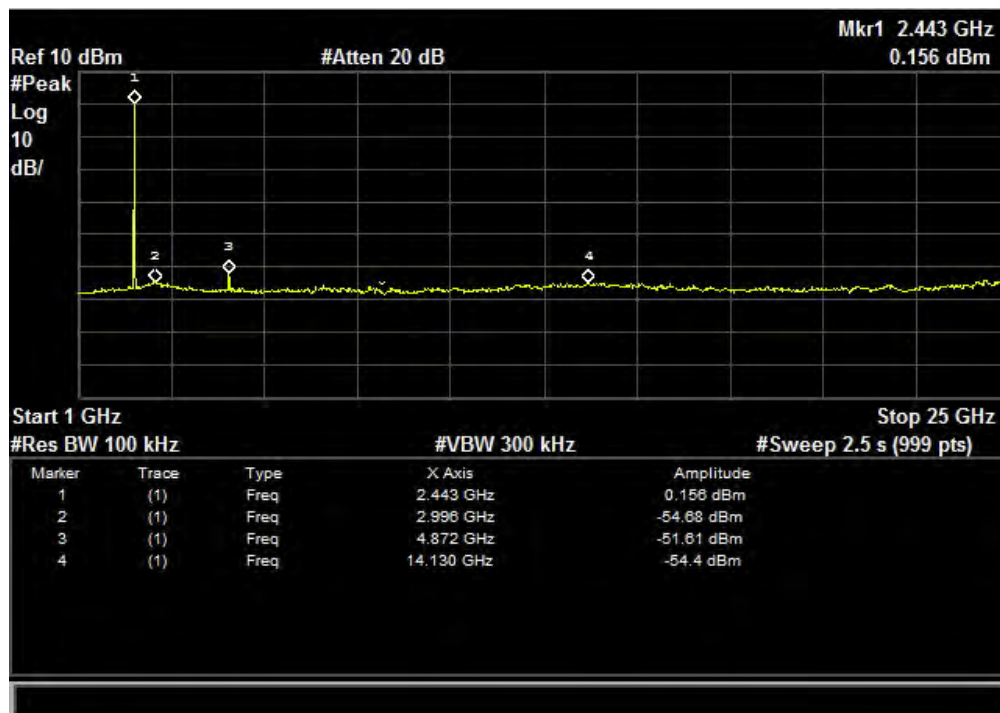
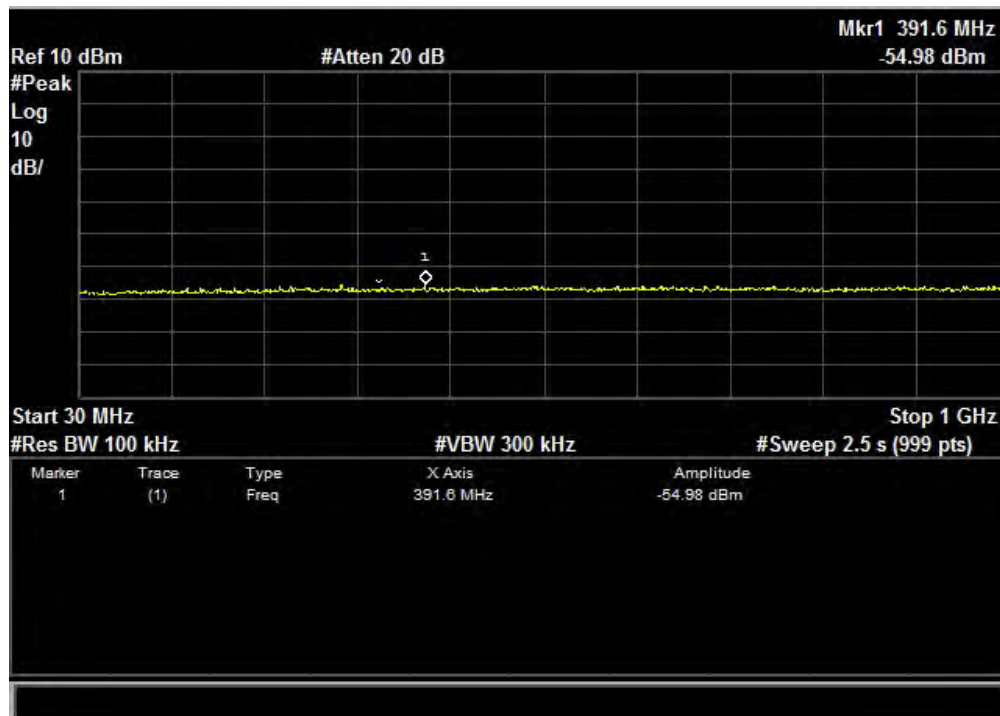
**High Channel**


**Band Edge**


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

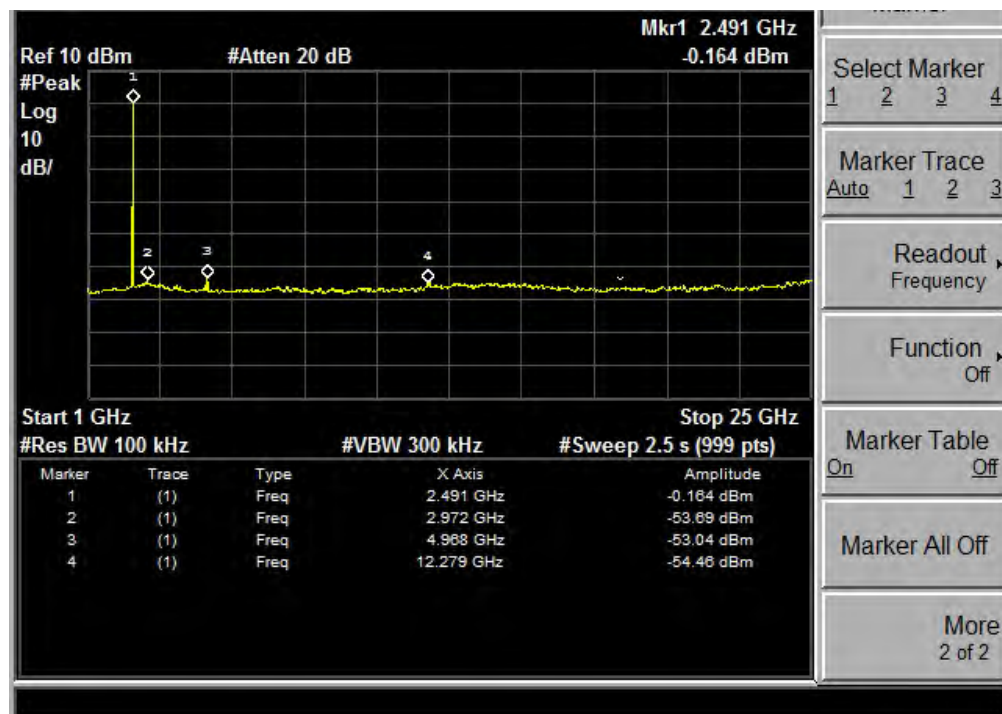
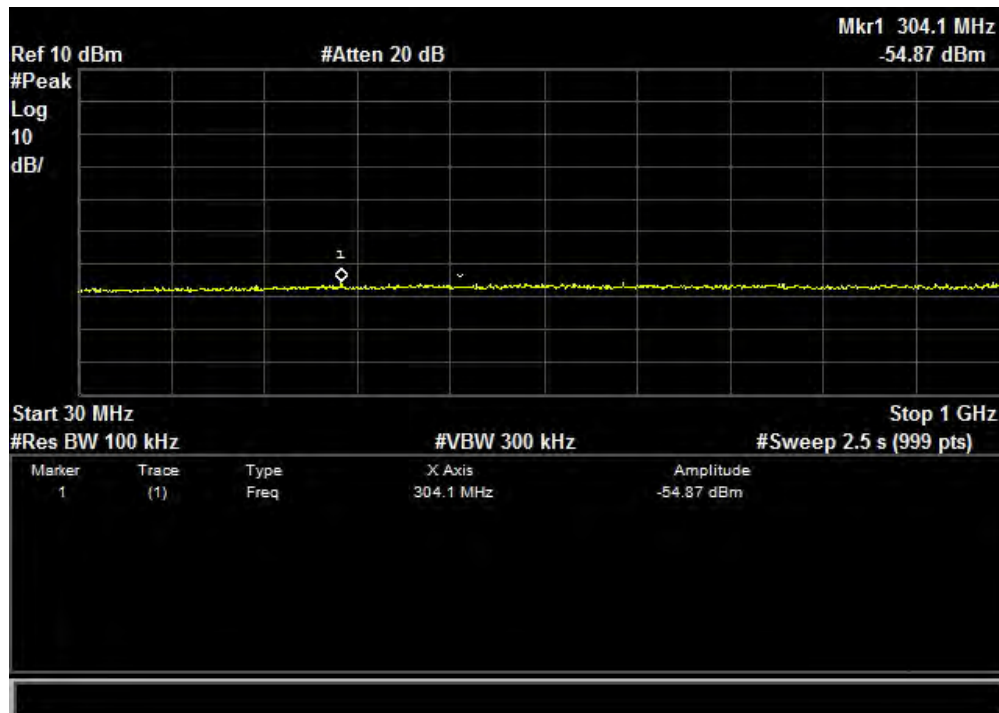
### Low Channel



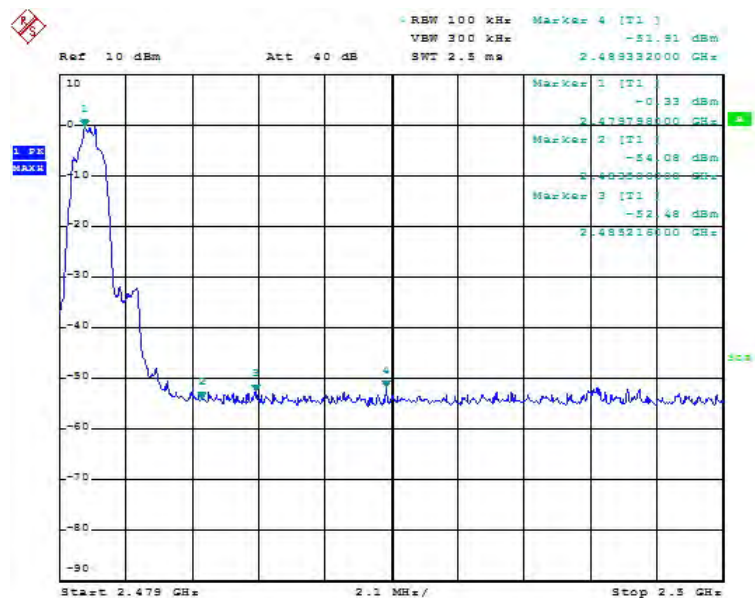
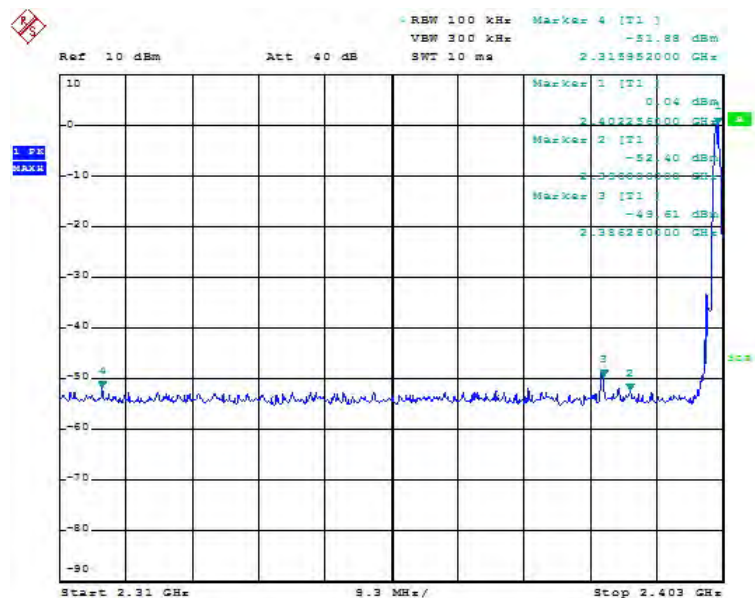
**Middle Channel**




## High Channel



## Band Edge





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### 5.1.5 Spurious Emission

**RESULT:****Pass**

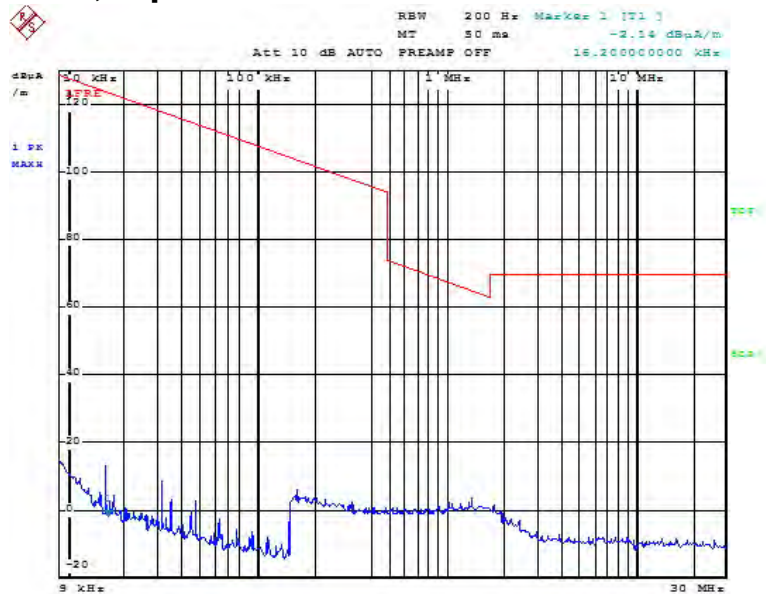
Date of testing	:	2014-08-20
Test standard	:	FCC part 15.247(d)
Basic standard	:	ANSI C63.4: 2003
	:	Clause 11 of KDB 558074 v03r01
Limits	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber

**Test setup**

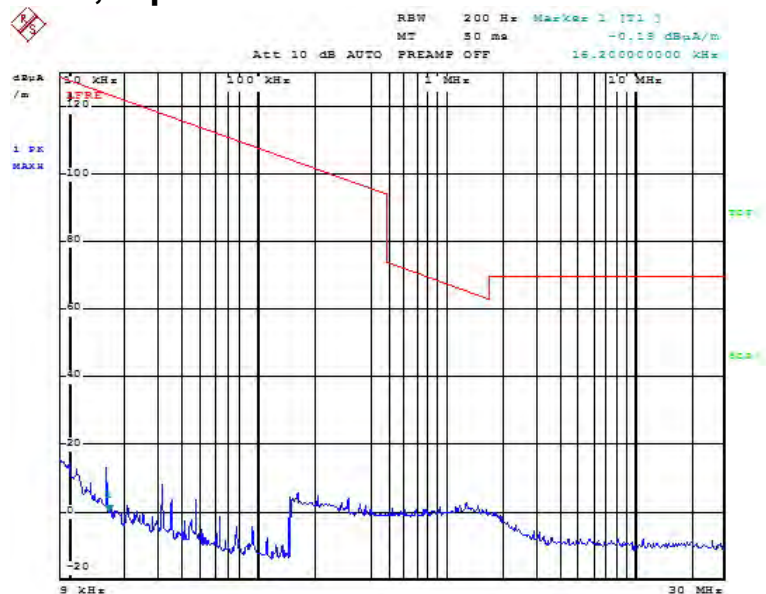
Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

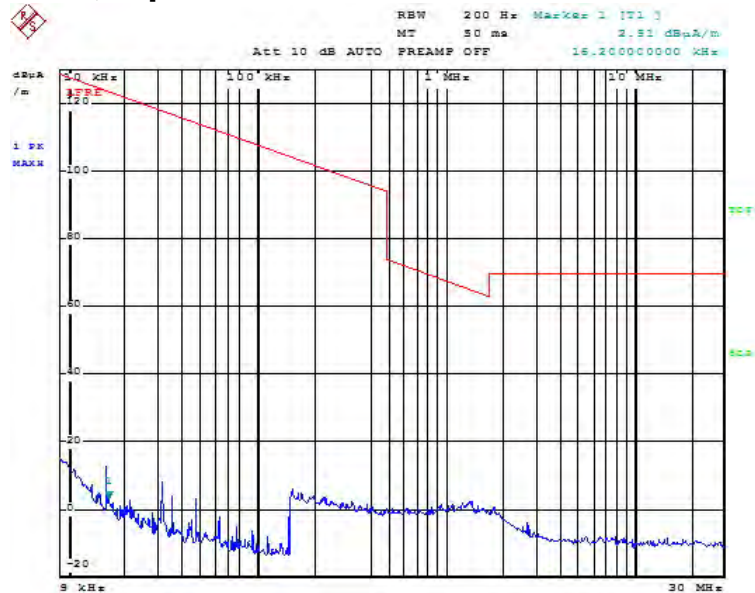
## Test Plot of Spurious Emission of transmitting Low channel, X polarization:



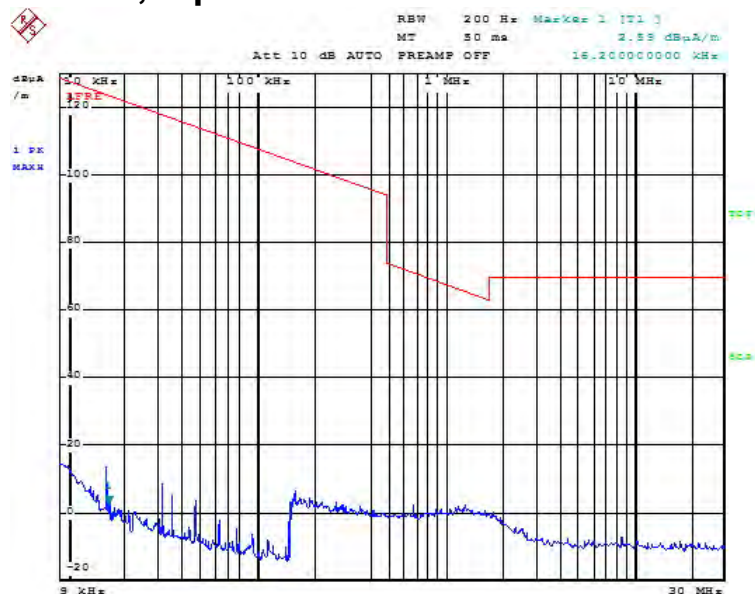
## Low channel, Y polarization:

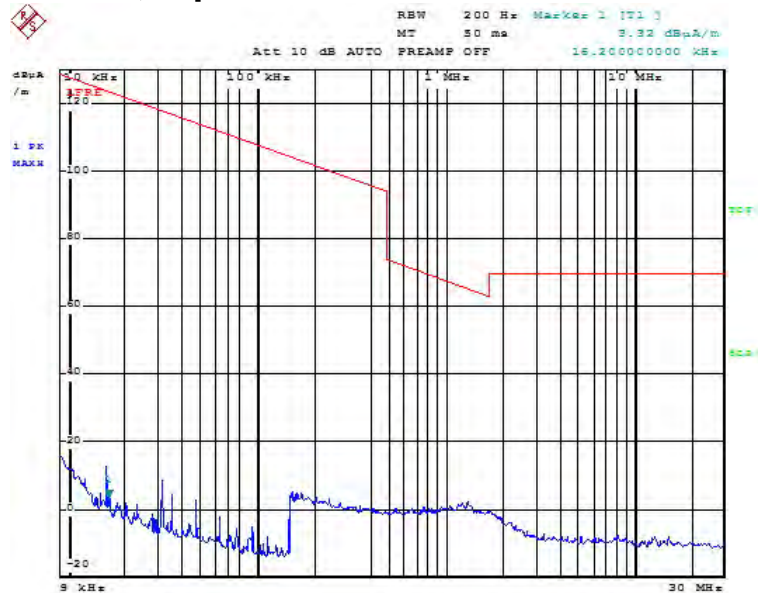
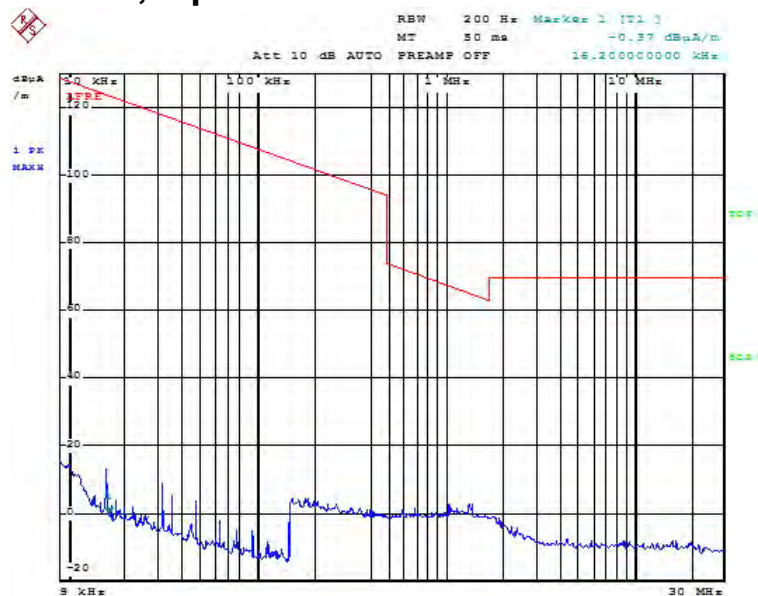


### Low channel, Z polarization:

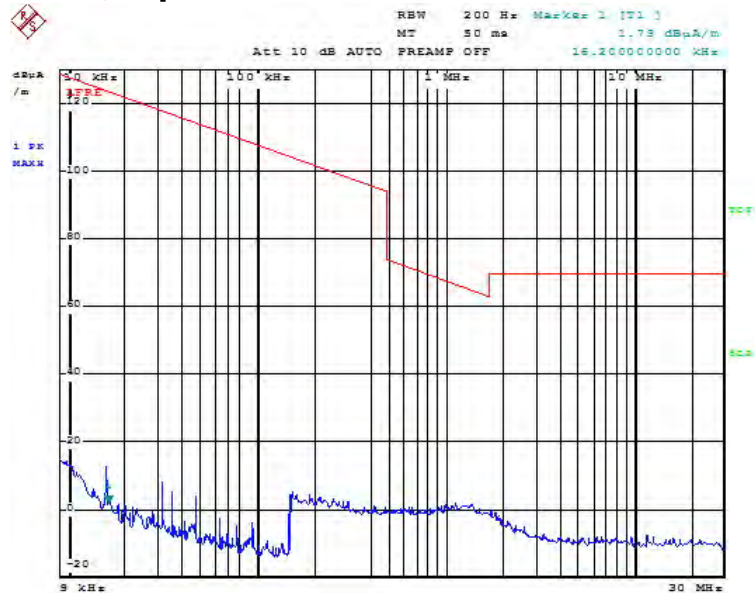


### Middle channel, X polarization:

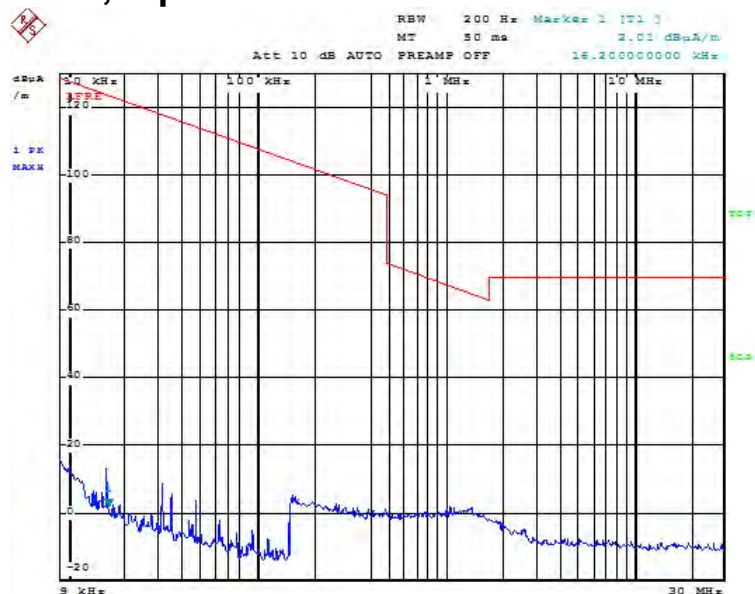


**Middle channel, Y polarization:**

**Middle channel, Z polarization:**


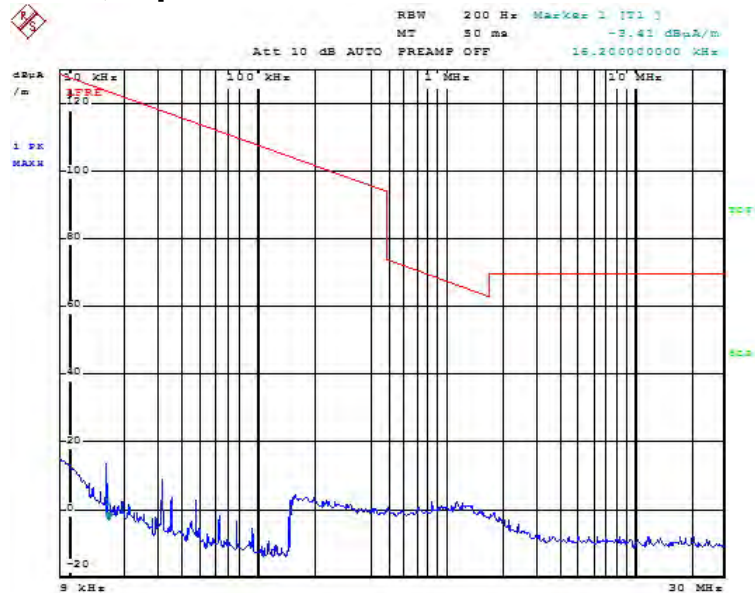
### High channel, X polarization:



### High channel, Y polarization:



## High channel, Z polarization:




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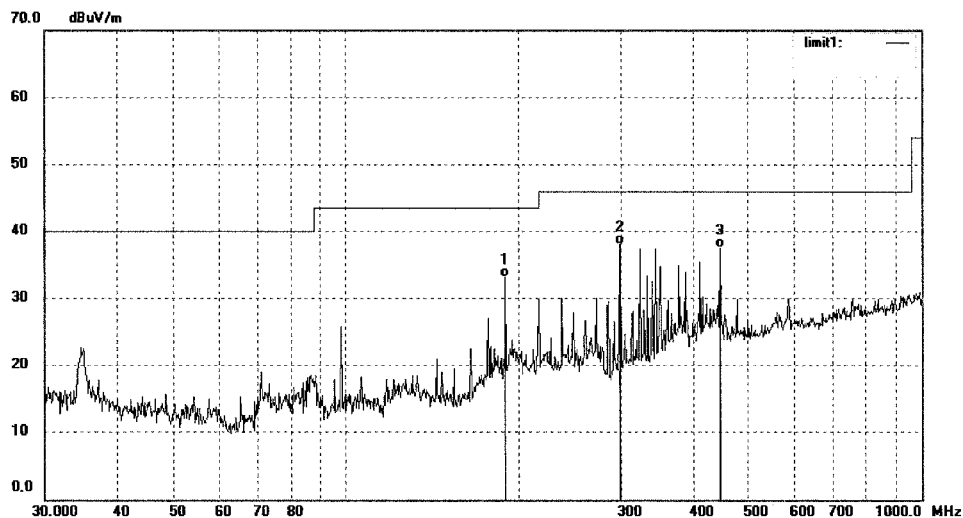
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #2	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: TT312BT	
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	189.1076	43.68	-10.46	33.22	43.50	-10.28	QP			
2	298.5932	45.55	-7.42	38.13	46.00	-7.87	QP			
3	447.2619	40.84	-3.37	37.47	46.00	-8.53	QP			




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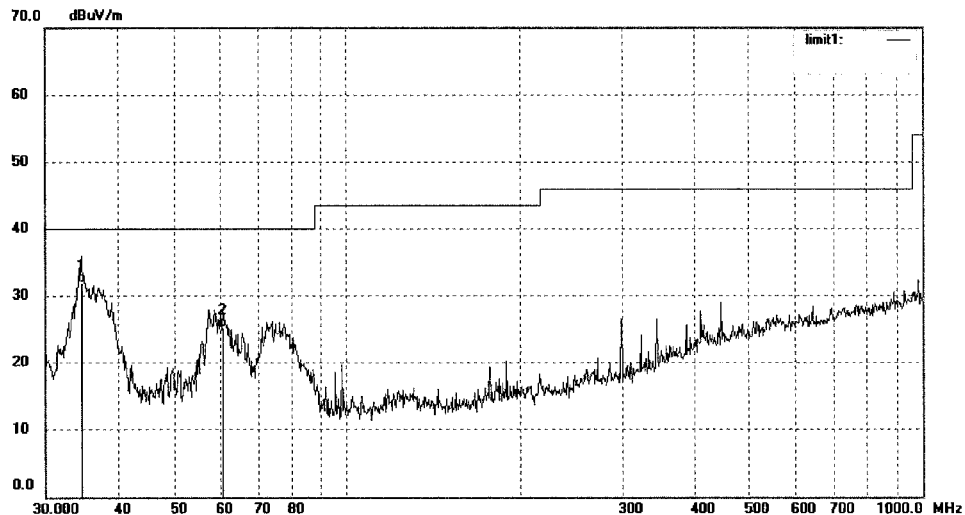
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #1	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: TT312BT	
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	34.5270	42.27	-10.32	31.95	40.00	-8.05	QP			
2	60.5769	39.91	-14.59	25.32	40.00	-14.68	QP			




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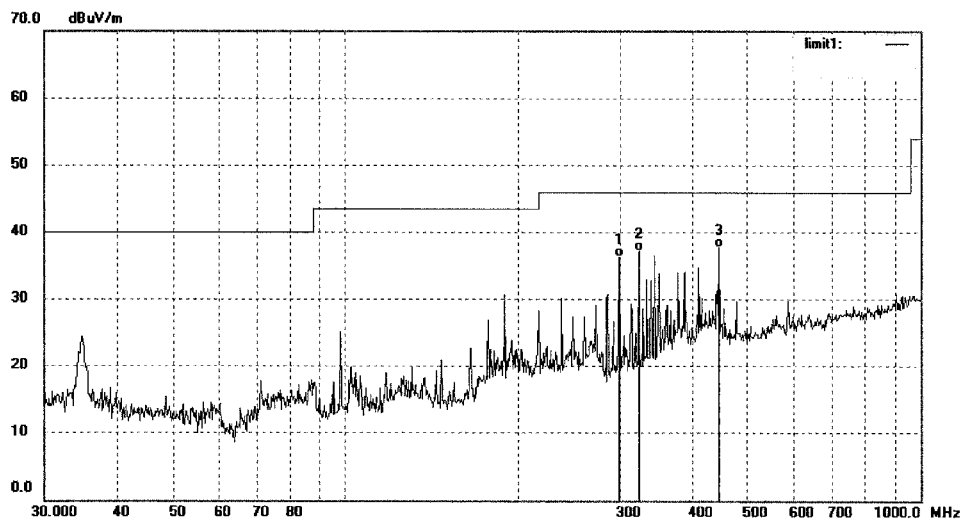
Site: 2# Chamber

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Fax:+86-0755-26503396

Job No.: YHP #3	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: TT312BT	
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	298.5932	43.69	-7.42	36.27	46.00	-9.73	QP			
2	322.5896	43.75	-6.64	37.11	46.00	-8.89	QP			
3	447.2619	41.01	-3.37	37.64	46.00	-8.36	QP			


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Job No.: YHP #4

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: TX 2441MHz

Model: TT312BT

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

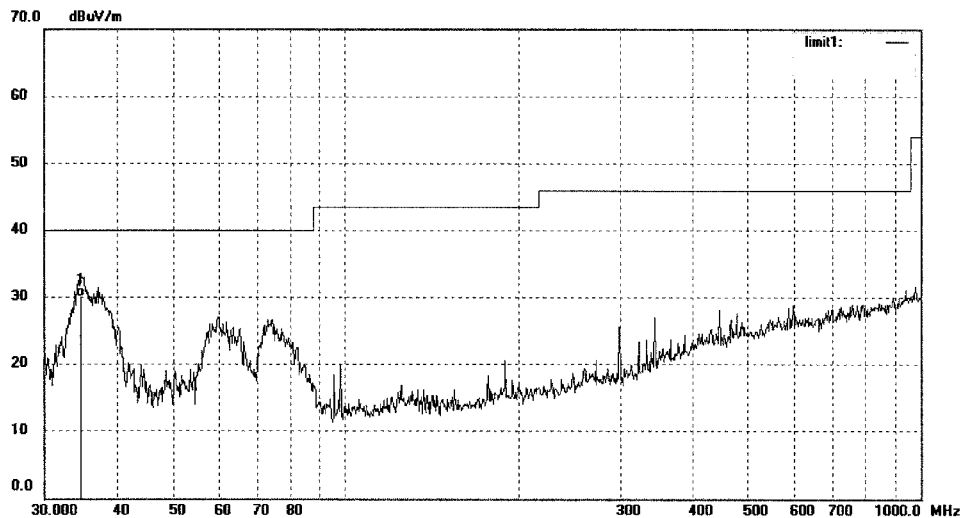
Date: 2014/08/20

Time:

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	34.5270	40.41	-10.32	30.09	40.00	-9.91	QP			


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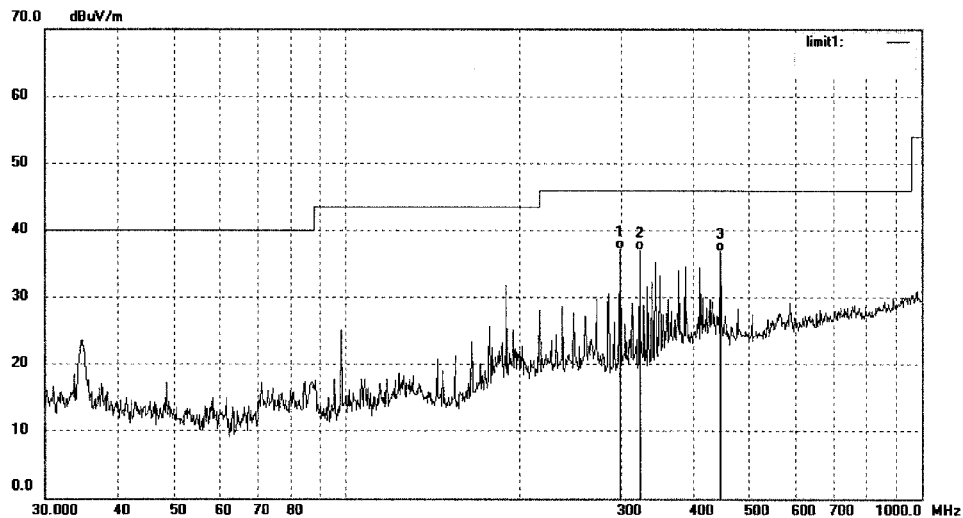
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #6	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: TT312BT	
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	298.5932	44.64	-7.42	37.22	46.00	-8.78	QP			
2	322.5896	43.68	-6.64	37.04	46.00	-8.96	QP			
3	447.2619	40.22	-3.37	36.85	46.00	-9.15	QP			


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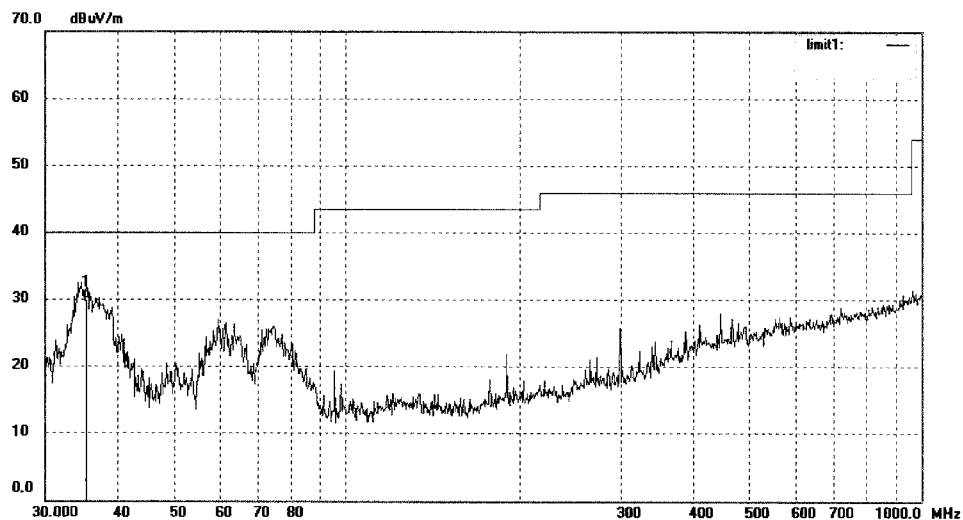
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #5	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: TT312BT	
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	35.2626	40.53	-10.44	30.09	40.00	-9.91	QP			


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Fax:+86-0755-26503396

Job No.: YHP #8

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: TX 2402MHz

Model: TT312BT

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

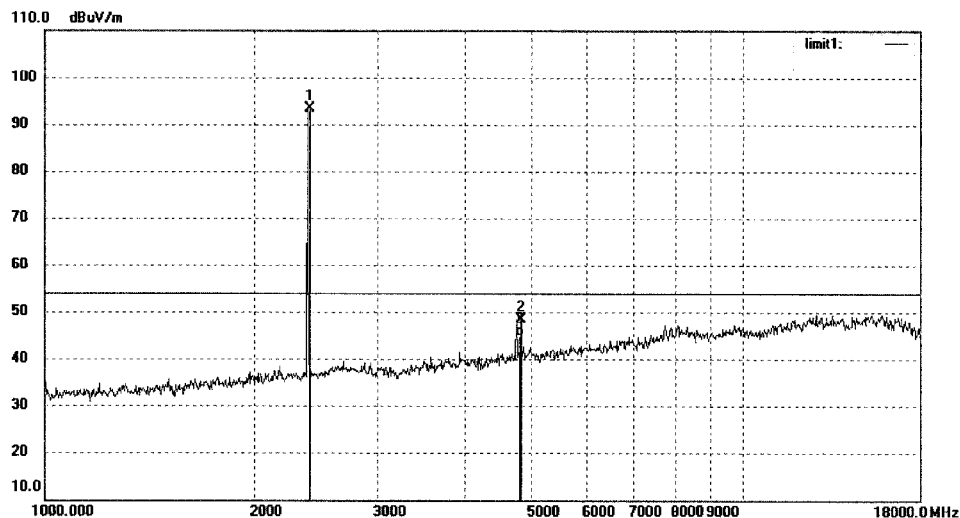
Date: 2014/08/20

Time:

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	2402.000	100.82	-7.45	93.37	/	/	peak			
2	4804.028	48.79	-0.30	48.49	74.00	-25.51	peak			
3	4804.028	45.18	-0.30	44.88	54.00	-9.12	AVG			


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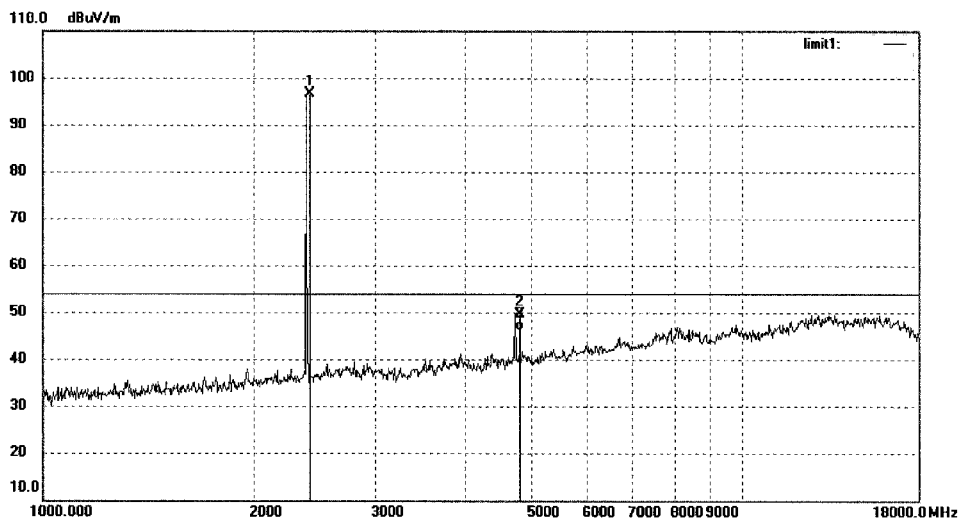
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #7	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: TT312BT	
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	2402.000	104.12	-7.45	96.67	/	/	peak			
2	4804.035	50.02	-0.30	49.72	74.00	-24.28	peak			
3	4804.035	46.44	-0.30	46.14	54.00	-7.86	AVG			


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Job No.: YHP #10

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: TX 2441MHz

Model: TT312BT

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

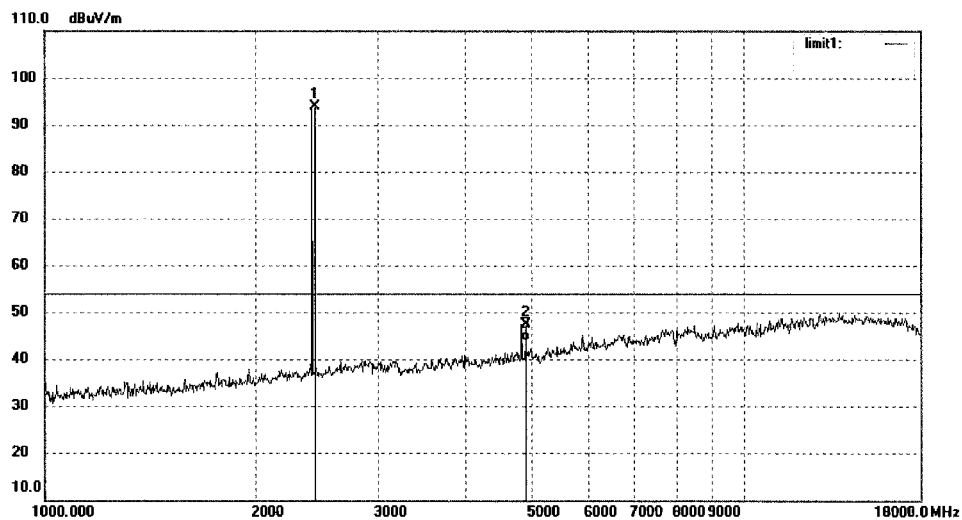
Date: 2014/08/20

Time:

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	2441.000	101.12	-7.35	93.77	/	/	peak			
2	4882.020	47.25	0.14	47.39	74.00	-26.61	peak			
3	4882.020	43.68	0.14	43.82	54.00	-10.18	AVG			


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Job No.: YHP #9

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: TX 2441MHz

Model: TT312BT

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

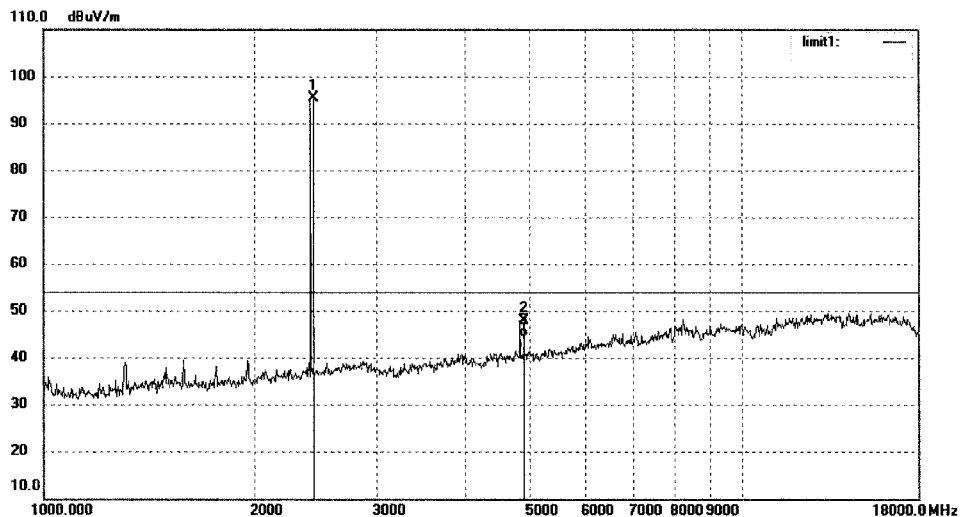
Date: 2014/08/20

Time:

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	2441.000	102.65	-7.35	95.30	/	/	peak			
2	4882.018	47.78	0.14	47.92	74.00	-26.08	peak			
3	4882.018	44.16	0.14	44.30	54.00	-9.70	AVG			




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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #11

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: TX 2480MHz

Model: TT312BT

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

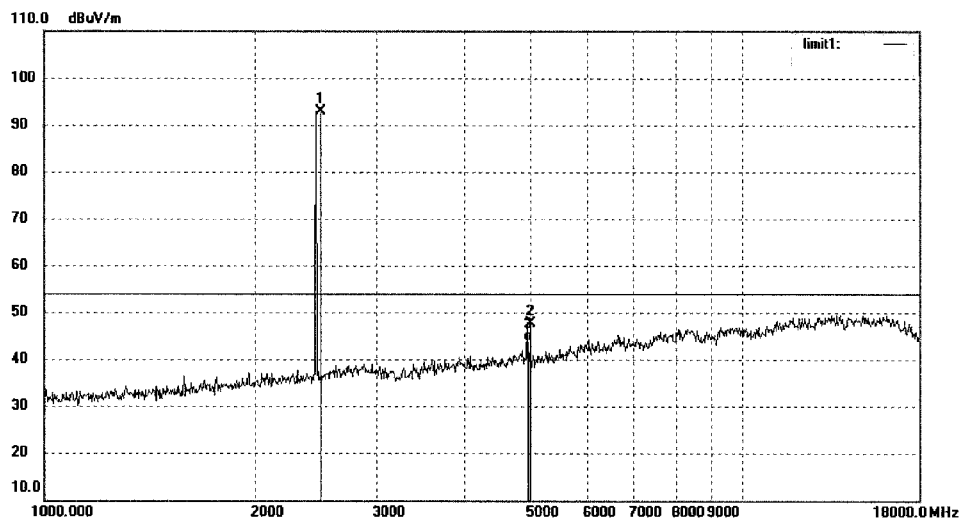
Date: 2014/08/20

Time:

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	2480.000	100.16	-7.37	92.79	/	/	peak			
2	4960.032	47.16	0.52	47.68	74.00	-26.32	peak			
3	4960.032	43.45	0.52	43.97	54.00	-10.03	AVG			


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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #12

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: TX 2480MHz

Model: TT312BT

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

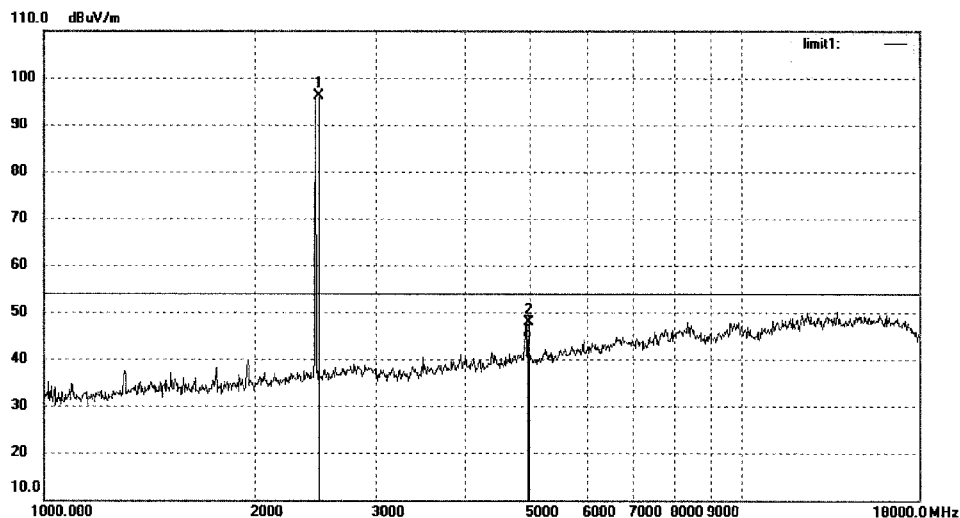
Date: 2014/08/20

Time:

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	2480.000	103.44	-7.37	96.07	/	/	peak			
2	4960.019	47.33	0.52	47.85	74.00	-26.15	peak			
3	4960.019	43.75	0.52	44.27	54.00	-9.73	AVG			

**Prüfbericht - Nr.: 17042542 001**  
*Test Report No.*
**Seite 43 von 144**  
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Site: 2# Chamber

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Job No.: YHP #13

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: TX 2402MHz

Model: TT312BT

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

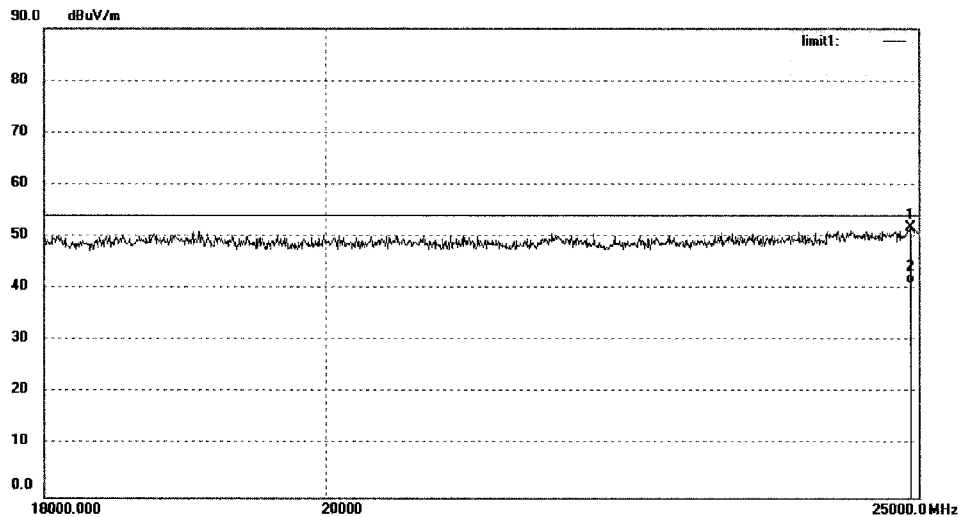
Date: 2014/08/20

Time:

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	24926.048	33.07	18.80	51.87	74.00	-22.13	peak			
2	24926.048	22.16	18.80	40.96	54.00	-13.04	QP			

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*Test Report No.*
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Science & Industry Park,Nanshan Shenzhen,P.R.China

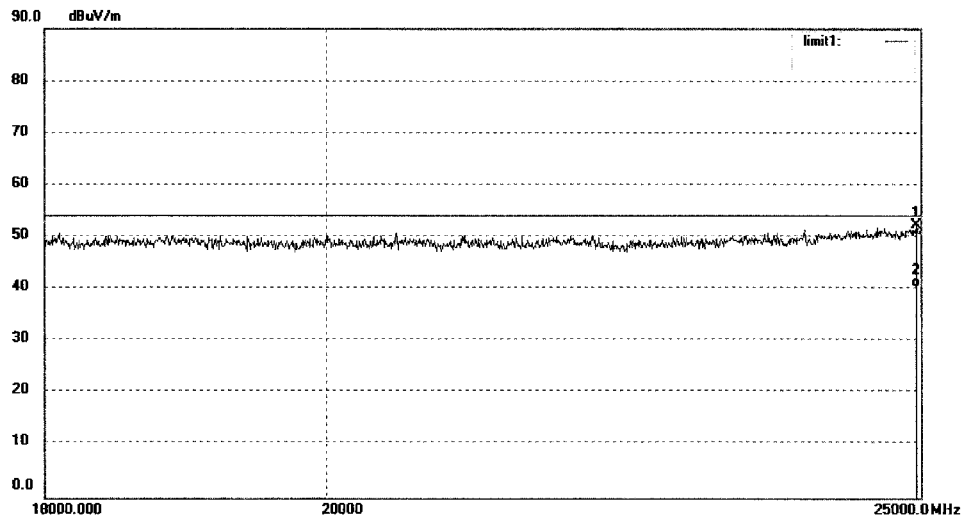
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #14	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: TT312BT	
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	24967.105	33.36	18.85	52.21	74.00	-21.79	peak			
2	24967.105	21.61	18.85	40.46	54.00	-13.54	AVG			

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*Test Report No.*
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Job No.: YHP #15

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: TX 2441MHz

Model: TT312BT

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

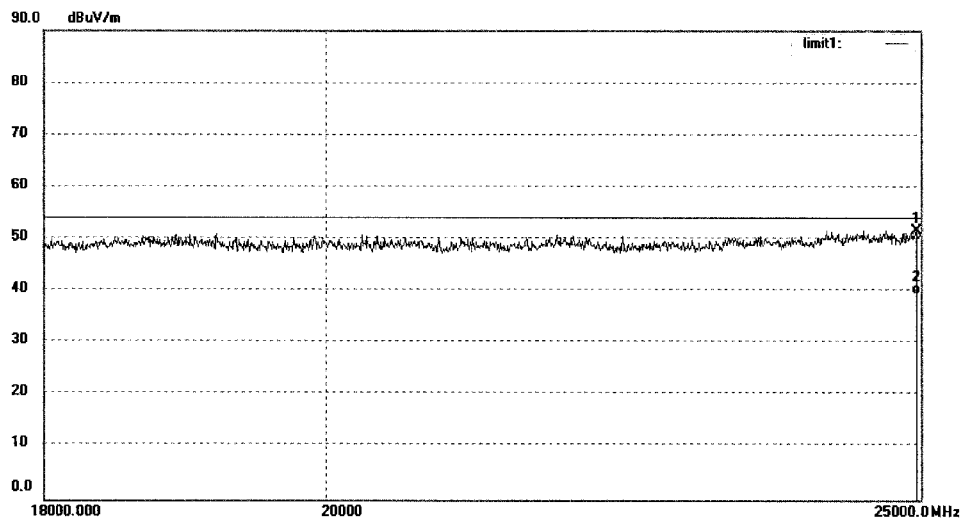
Date: 2014/08/20

Time:

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	24958.889	32.88	18.84	51.72	74.00	-22.28	peak			
2	24958.889	20.57	18.84	39.41	54.00	-14.59	AVG			

**Prüfbericht - Nr.: 17042542 001**  
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**Seite 46 von 144**  
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Job No.: YHP #16

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 2014/08/20

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

Time:

EUT: 2.1CH Sound base

Engineer Signature:

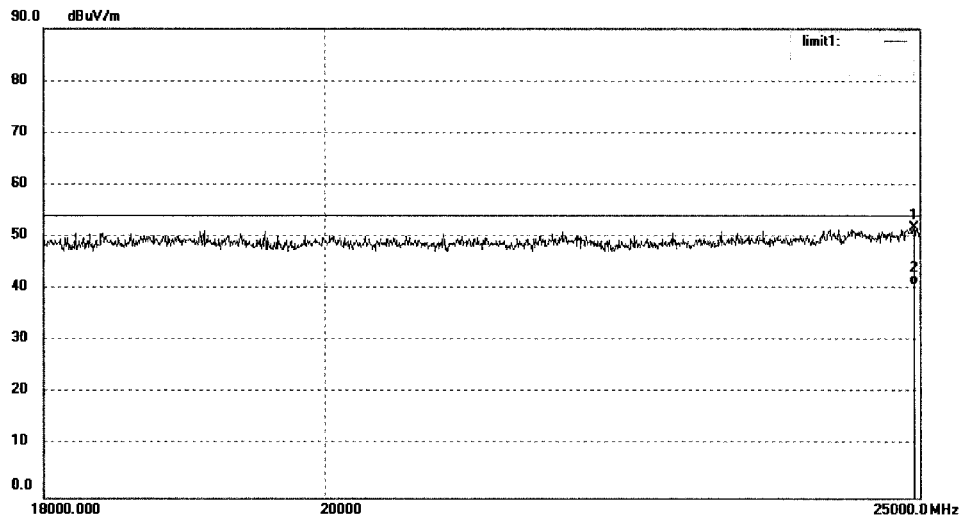
Mode: TX 2441MHz

Distance: 3m

Model: TT312BT

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	24950.674	33.14	18.83	51.97	74.00	-22.03	peak			
2	24950.674	22.09	18.83	40.92	54.00	-13.08	AVG			

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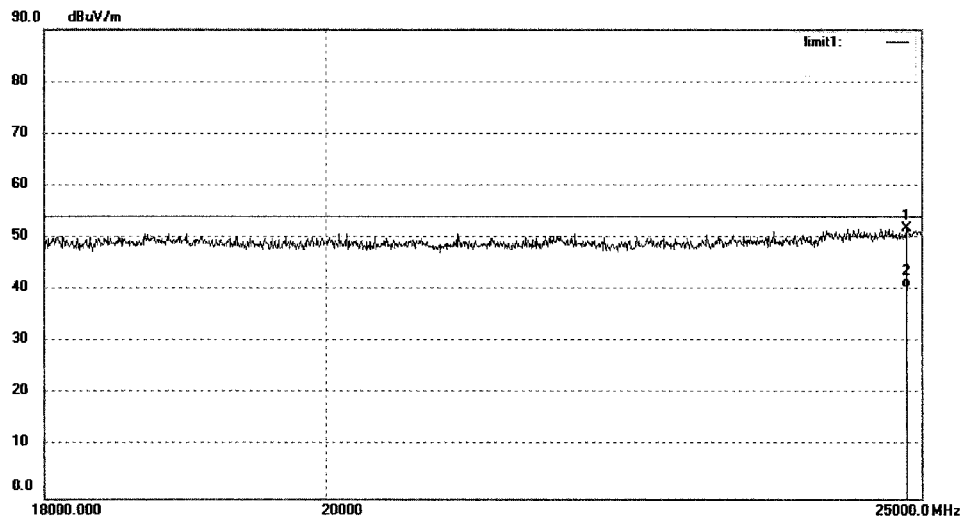
**ACCURATE TECHNOLOGY CO., LTD.**

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.: YHP #17	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: TT312BT	
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	24860.497	33.09	18.70	51.79	74.00	-22.21	peak			
2	24860.497	21.76	18.70	40.46	54.00	-13.54	AVG			

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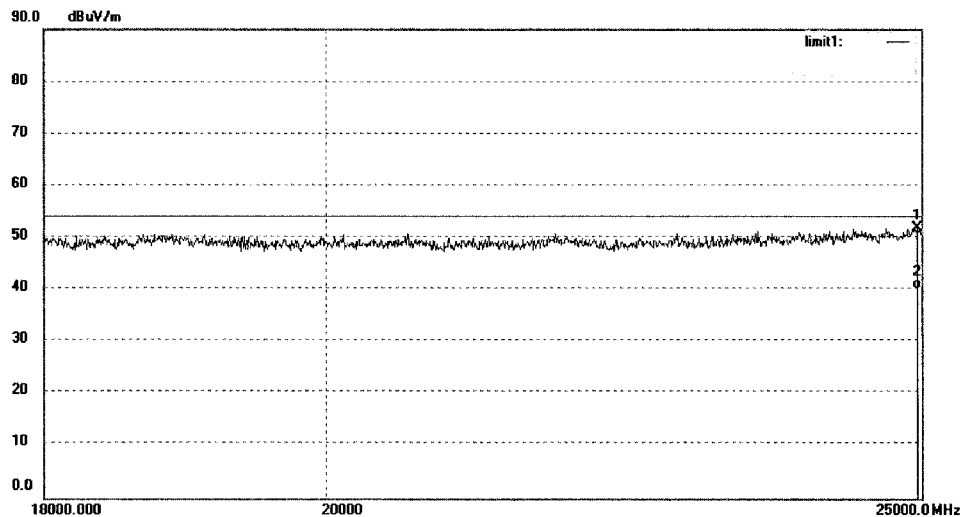
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Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: YHP #18	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: TT312BT	
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	24958.889	33.12	18.84	51.96	74.00	-22.04	peak			
2	24958.889	21.38	18.84	40.22	54.00	-13.78	AVG			



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*Test Report No.*
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## Test Plot of Frequency Band Edge of Bluetooth BDR mode


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #19

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: TX 2402MHz

Model: TT312BT

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

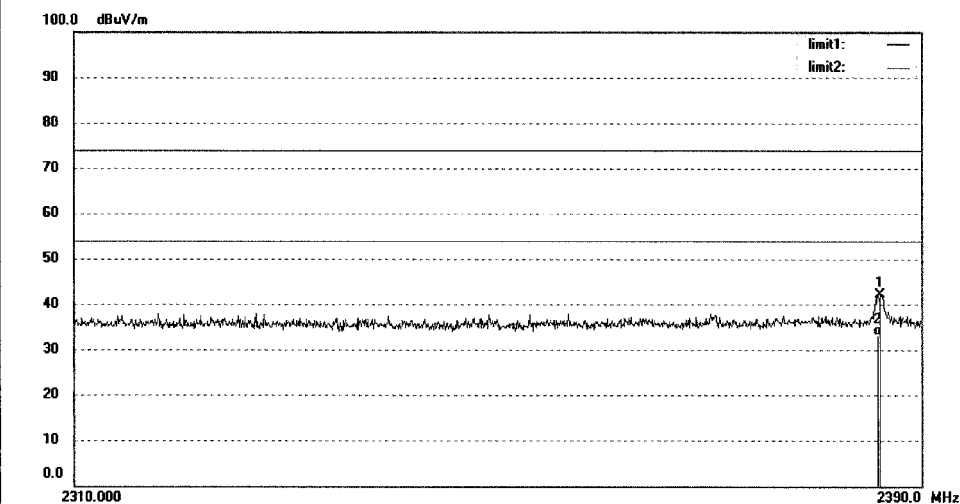
Date: 2014/08/20

Time:

Engineer Signature:

Distance: 3m

Note:



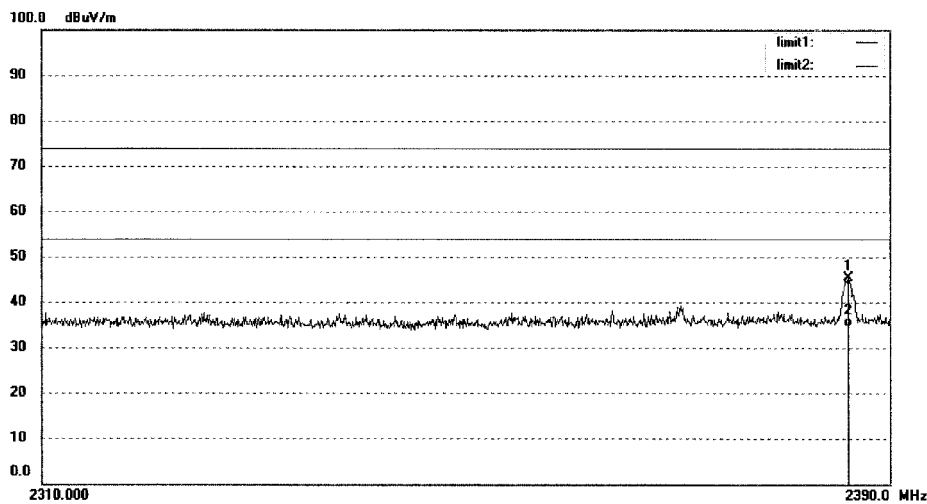
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2385.993	49.78	-7.56	42.22	74.00	-31.78	peak			
2	2385.993	40.66	-7.56	33.10	54.00	-20.90	AVG			


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

Job No.: YHP #20	Polarization: Vertical
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: TT312BT	
Manufacturer:	

Note:



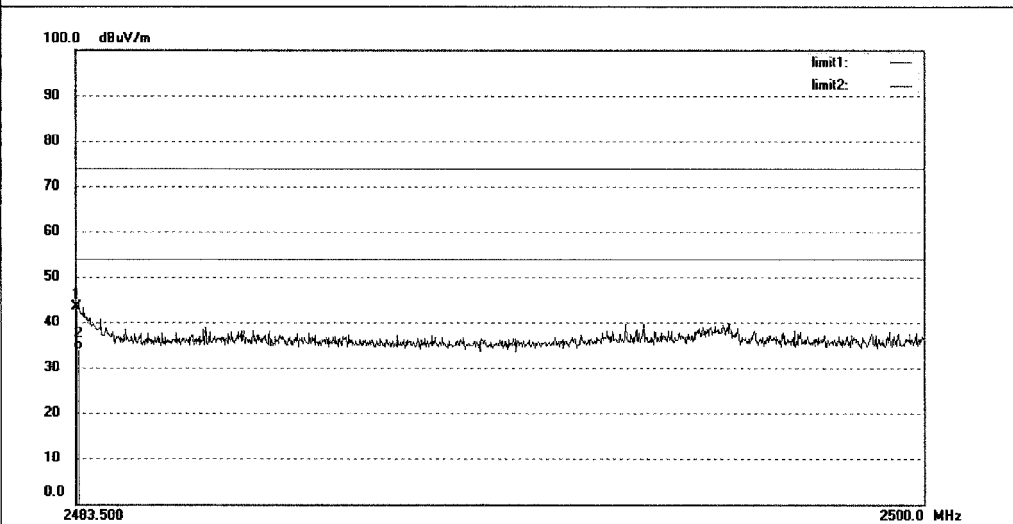
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2386.024	52.98	-7.56	45.42	74.00	-28.58	peak			
2	2386.024	42.16	-7.56	34.60	54.00	-19.40	AVG			


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

Job No.: YHP #21	Polarization: Horizontal
Standard: FCC Part 15 Band Edge (2.4G)	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/20
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: TT312BT	
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	2483.500	50.73	-7.37	43.36	74.00	-30.64	peak			
2	2483.500	41.27	-7.37	33.90	54.00	-20.10	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #22

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: TX 2480MHz

Model: TT312BT

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

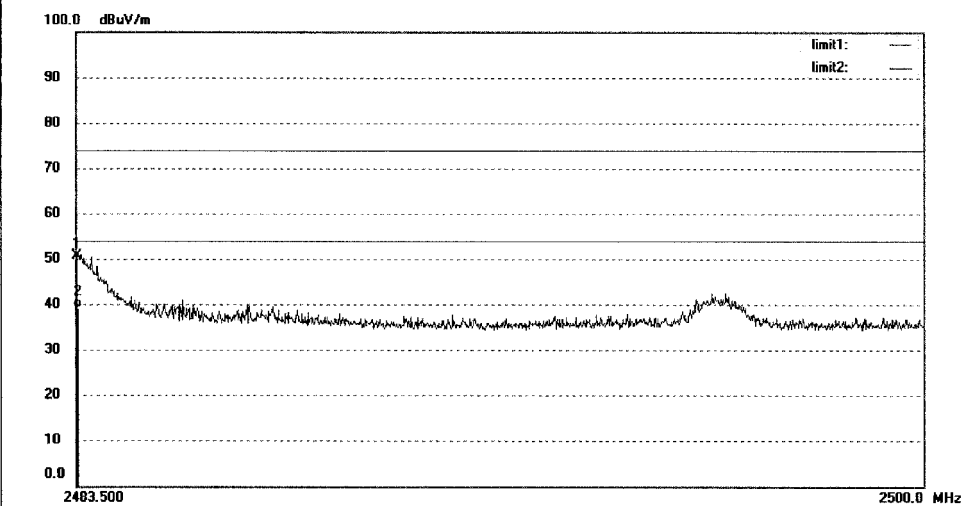
Date: 2014/08/20

Time:

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	2483.500	57.95	-7.37	50.58	74.00	-23.42	peak			
2	2483.500	46.47	-7.37	39.10	54.00	-14.90	AVG			

### 5.1.6 Frequency Separation

**RESULT:**
**Pass**

Date of testing : 2014-08-21  
 Test standard : FCC part 15.247(a)(1)  
 Basic standard : ANSI C63.4: 2003  
 Limit :  $\geq 25\text{kHz}$  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 9: Test result of Frequency Separation**

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1.002	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1.002	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2479	1.002	$\geq 25\text{kHz}$ 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 : 2014-08-20  
Test standard : FCC part 15.247(a)(1)(iii)  
Basic standard : ANSI C63.4: 2003  
Limits :  $\geq 15$  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 10: Test result of Number of hopping frequency**

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

## 5.1.8 Time of Occupancy

**RESULT:**
**Pass**

Date of testing : 2014-08-20  
 Test standard : FCC part 15.247(a)(1)(iii)  
 Basic standard : ANSI C63.4: 2003  
 Limits : 0.4s  
 Kind of test site : Shield room

**Test setup**

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

**Table 11: Test result of Time of Occupancy**

Mode	Packet Type	Channel Frequency (MHz)	Packet Duration [ms]	Number of Hops per Channel	Dwell Time (ms)	Limit [ms]
BDR	DH1	2402	0.44	321	141.24	400
		2441	0.44	320	140.80	400
		2480	0.45	320	144.00	400
	DH3	2402	1.74	164	285.36	400
		2441	1.72	165	283.80	400
		2480	1.72	164	282.08	400
	DH5	2402	3.00	112	336.00	400
		2441	3.00	111	333.00	400
		2480	3.00	110	330.00	400
EDR	DH1	2402	0.46	320	147.20	400
		2441	0.46	321	147.66	400
		2480	0.48	321	154.08	400
	DH3	2402	1.72	165	283.80	400
		2441	1.72	164	282.08	400
		2480	1.76	164	288.64	400
	DH5	2402	3.00	111	333.00	400
		2441	3.00	110	330.00	400
		2480	3.03	110	333.30	400

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*Page 56 of 144***5.1.9 Emission within band****RESULT:****Pass**

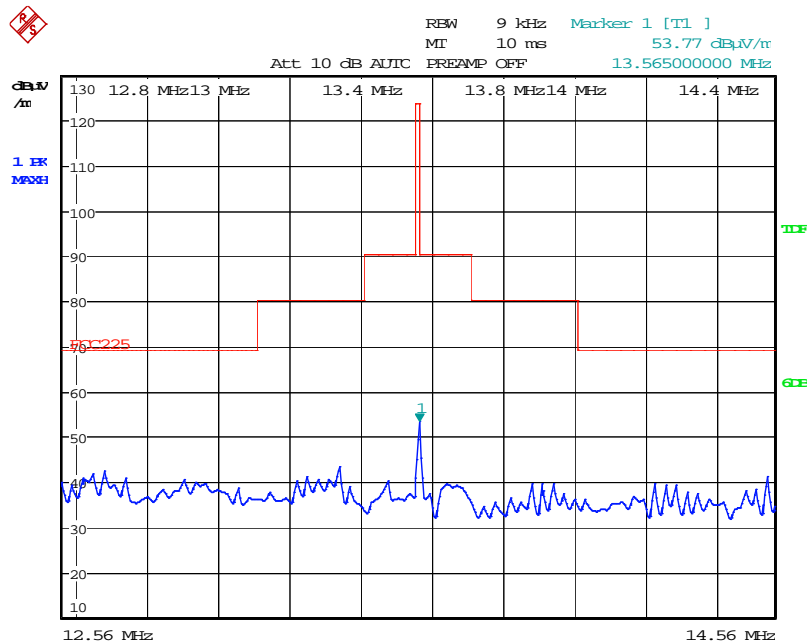
Test date	:	2014-08-22
Test standard	:	FCC Part 15.225 (a), (b), (c)
Basic standard	:	ANSI C63.4: 2003
Limit	:	FCC Part 15.225 (a), (b), (c)
Kind of test site	:	Shielded room

**Test setup**

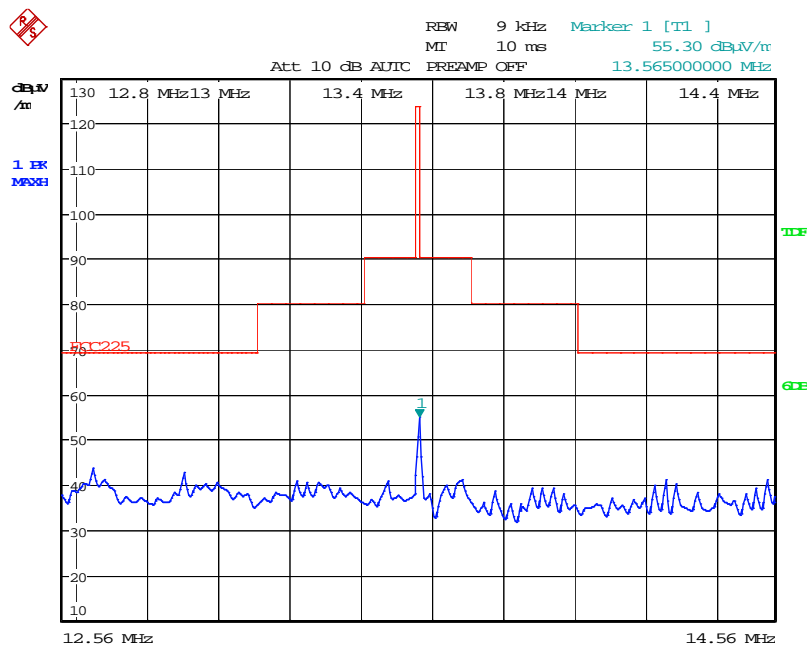
Test Channel	:	13.56MHz
Operation mode	:	A.2.a
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

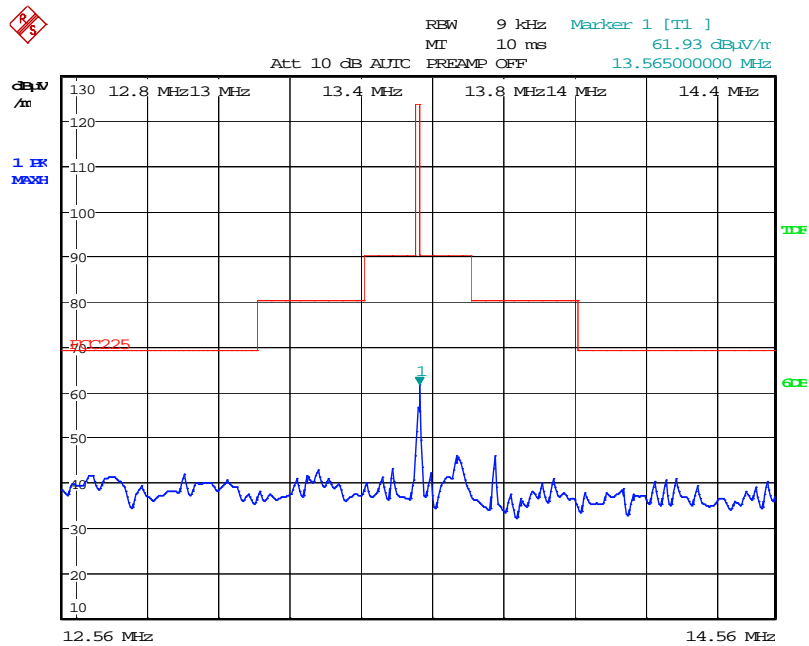




Date: 22.AUG.2014 11:21:37



Date: 22.AUG.2014 11:22:11



Date: 22.AUG.2014 11:22:47

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**5.1.10 Spurious Emission outside band****RESULT:****Pass**

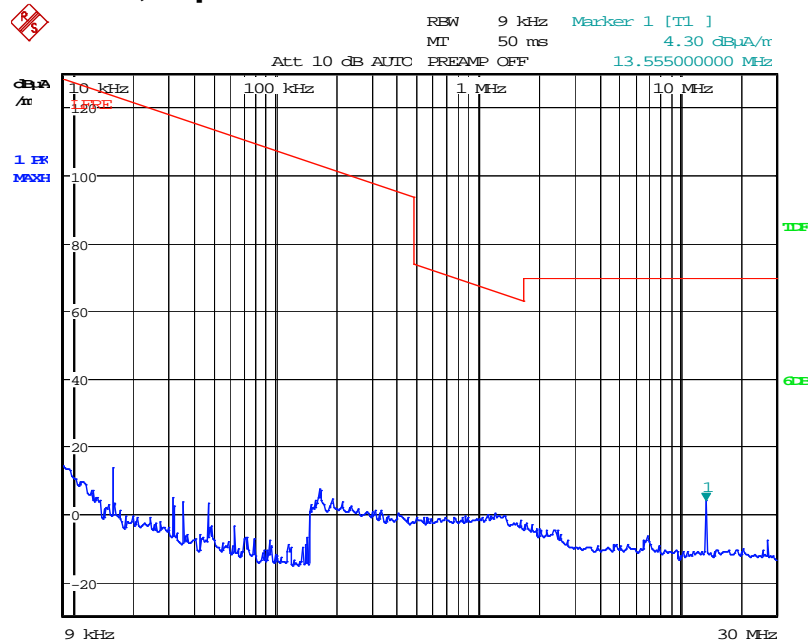
Date of testing : 2014-08-21  
Test standard : FCC part 15.225 (d)  
Basic standard : ANSI C63.4: 2003  
Limits : FCC part 15.209(a)  
Kind of test site : 3m Semi-Anechoic Chamber

**Test setup**

Test Channel : 13.56MHz  
Operation mode : A.2.a  
Ambient temperature : 23°C  
Relative humidity : 48%  
Atmospheric pressure : 101kPa

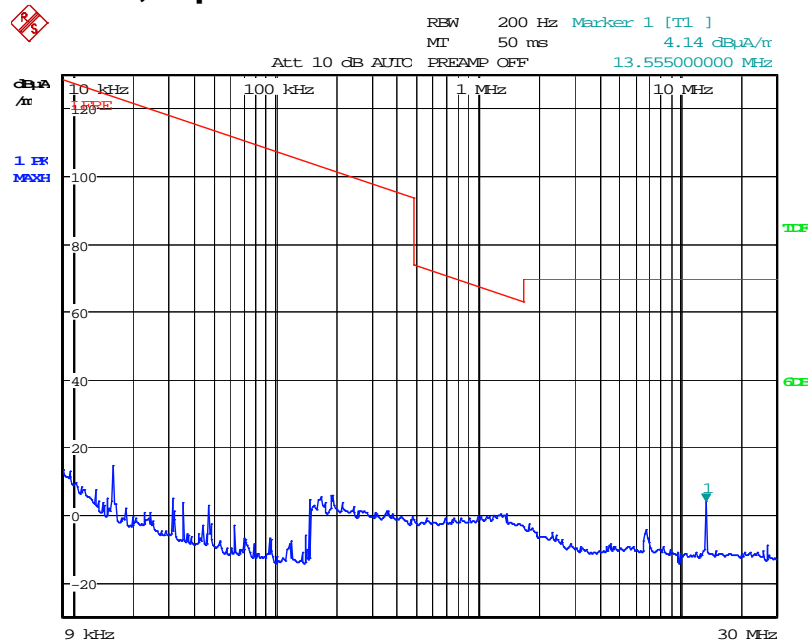
For details refer to following test plot.

## Test Plot of Spurious Emission of transmitter Below 30MHz, X polarization:



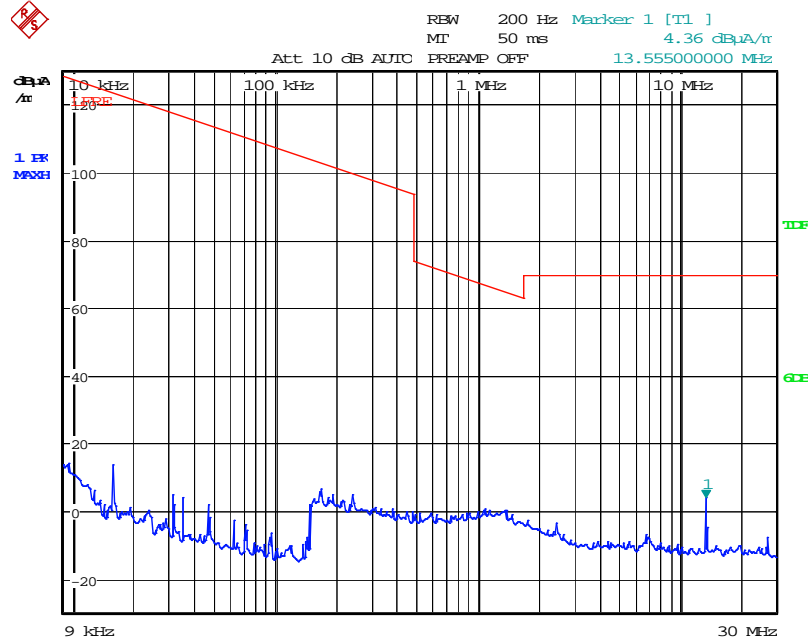
Date: 21.AUG.2014 12:26:53

## Below 30MHz, Y polarization:



Date: 21.AUG.2014 12:28:47

### Below 30MHz, Z polarization:



Date: 21.AUG.2014 12:30:41


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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.: YHP #68

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: NFC

Model: TT312BT

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

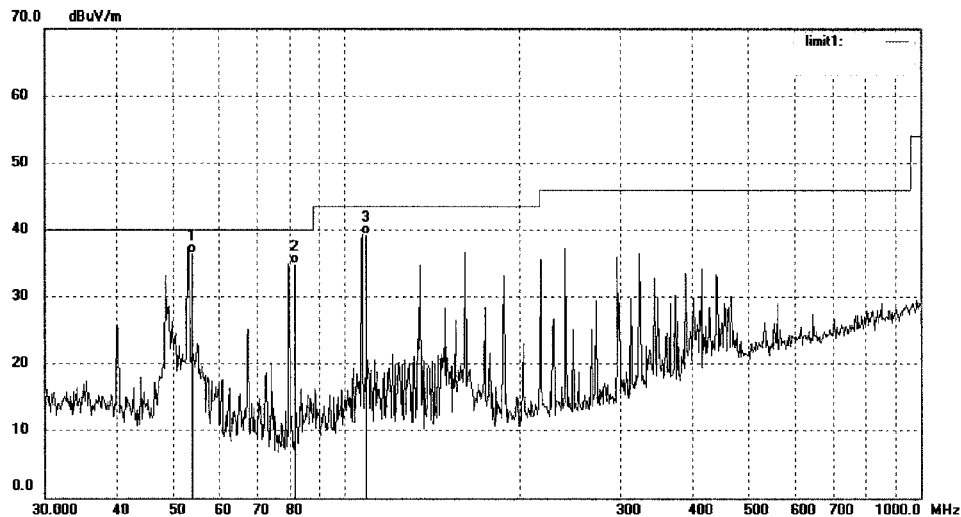
Date: 2014/08/21

Time:

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	54.2006	49.36	-12.92	36.44	40.00	-3.56	QP			
2	81.3121	51.14	-16.21	34.93	40.00	-5.07	QP			
3	108.4105	53.14	-13.91	39.23	43.50	-4.27	QP			


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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: YHP #67

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: NFC

Model: TT312BT

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

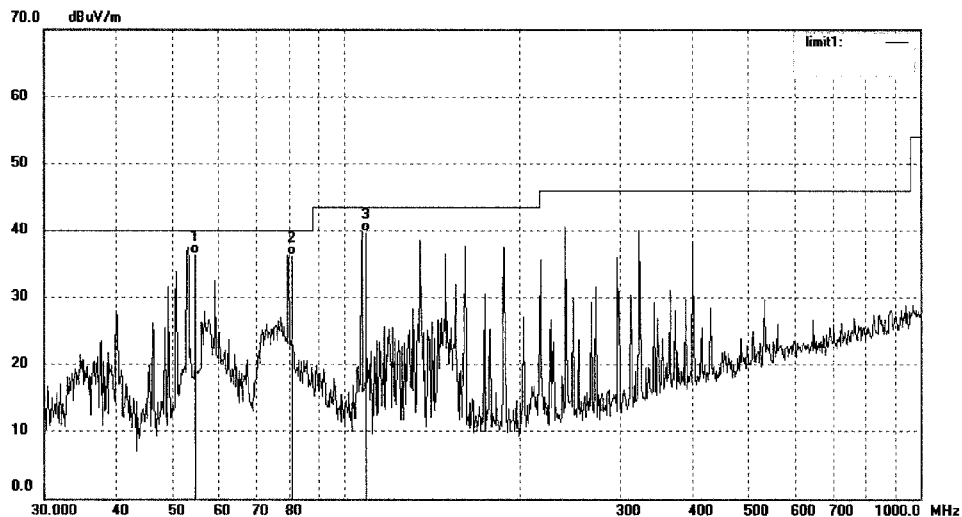
Date: 2014/08/21

Time:

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	54.2758	49.47	-12.92	36.55	40.00	-3.45	QP			
2	81.3995	52.57	-16.20	36.37	40.00	-3.63	QP			
3	108.4210	53.72	-13.91	39.81	43.50	-3.69	QP			

### 5.1.11 Frequency tolerance of carrier signal

**RESULT:**
**Pass**

Date of testing : 2014-08-20  
 Test standard : FCC part 15.225 (e)  
 Basic standard : ANSI C63.4: 2003  
 Limits :  $\pm 0.01\%$   
 Kind of test site : 3m Semi-Anechoic Chamber

**Test setup**

Test Channel : 13.56MHz  
 Operation mode : A.1.a  
 Ambient temperature : 23°C  
 Relative humidity : 48%  
 Atmospheric pressure : 101kPa

**Table 12: Test result of frequency tolerance of voltage variation**

Voltage	Frequency tolerance	
	Test result (ppm)	Limit (ppm)
AC 102V	22.12	100
AC 120V	22.12	
AC 138V	22.12	

**Table 13: Test result of frequency tolerance of voltage variation**

Temperature	Frequency tolerance	
	Test result (ppm)	Limit (ppm)
-20°C	22.12	100
-10°C	22.12	
0°C	29.50	
10°C	22.12	
20°C	22.12	
30°C	22.12	
40°C	29.50	
50°C	22.12	
60°C	29.50	
70°C	22.12	



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**5.1.12 Conducted emissions****RESULT:****Pass**

Date of testing	:	2014-08-19
Test standard	:	FCC Part 15.207
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207
Kind of test site	:	Shield room

**Test setup**

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A.1, A.2
Earthing	:	Not Connected
Ambient temperature	:	25°C
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

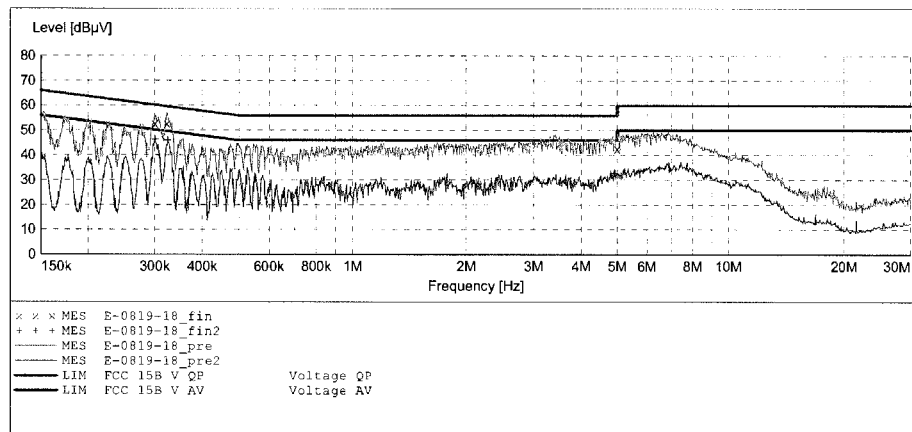
For details refer to following test plot.

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: BT Playing  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/19/2014 /

**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: "E-0819-18\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.300440	52.80	10.6	60	7.4	QP	L1	GND
0.322823	52.80	10.6	60	6.8	QP	L1	GND
4.992190	42.60	11.2	56	13.4	QP	L1	GND

**MEASUREMENT RESULT: "E-0819-18\_fin2"**

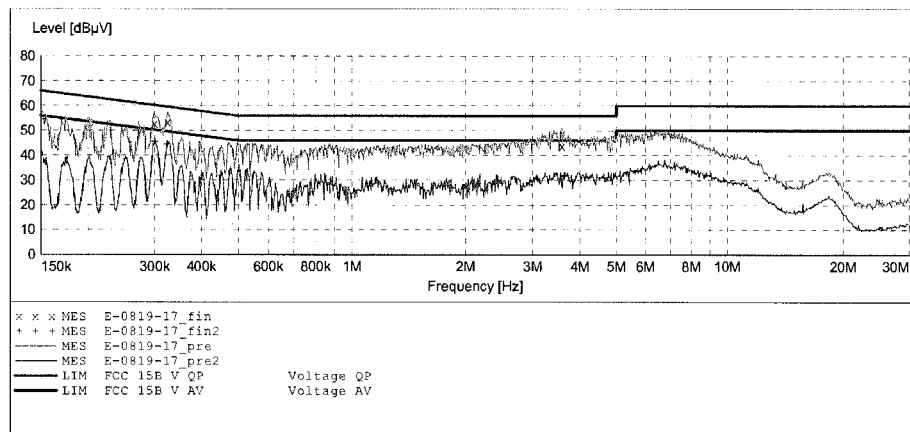
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.300440	46.20	10.6	50	4.0	AV	L1	GND
0.324114	45.90	10.6	50	3.7	AV	L1	GND
4.913107	32.60	11.2	46	13.4	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: BT Playing  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/19/2014 /

**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: "E-0819-17\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.299243	52.80	10.6	60	7.5	QP	N	GND
0.324114	53.40	10.6	60	6.2	QP	N	GND
3.584206	43.70	11.1	56	12.3	QP	N	GND

**MEASUREMENT RESULT: "E-0819-17\_fin2"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.299243	45.40	10.6	50	4.9	AV	N	GND
0.322823	44.30	10.6	50	5.3	AV	N	GND
3.641898	31.70	11.1	46	14.3	AV	N	GND

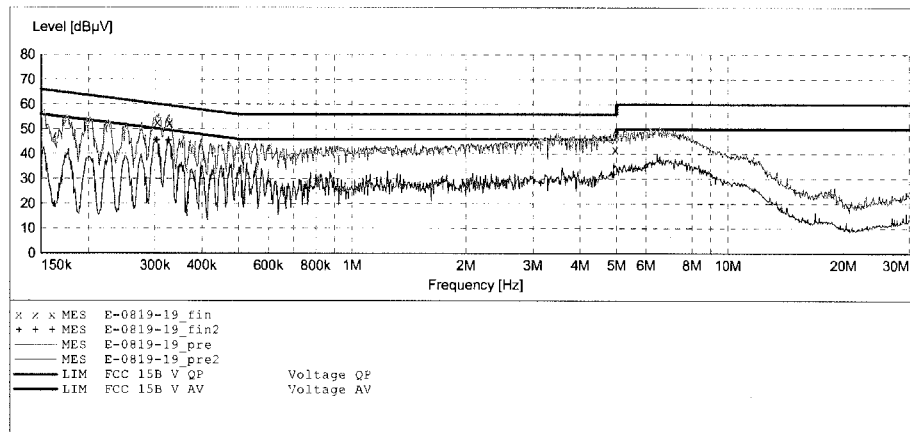
**ACCURATE TECHNOLOGY CO.,LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: NFC  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/19/2014 /

**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: "E-0819-19\_fin"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.304059	52.80	10.6	60	7.3	QP	L1	GND
0.326712	52.50	10.6	60	7.0	QP	L1	GND
4.952491	41.80	11.2	56	14.2	QP	L1	GND

**MEASUREMENT RESULT: "E-0819-19\_fin2"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.302848	45.50	10.6	50	4.7	AV	L1	GND
0.325410	45.40	10.6	50	4.2	AV	L1	GND
4.913107	31.70	11.2	46	14.3	AV	L1	GND

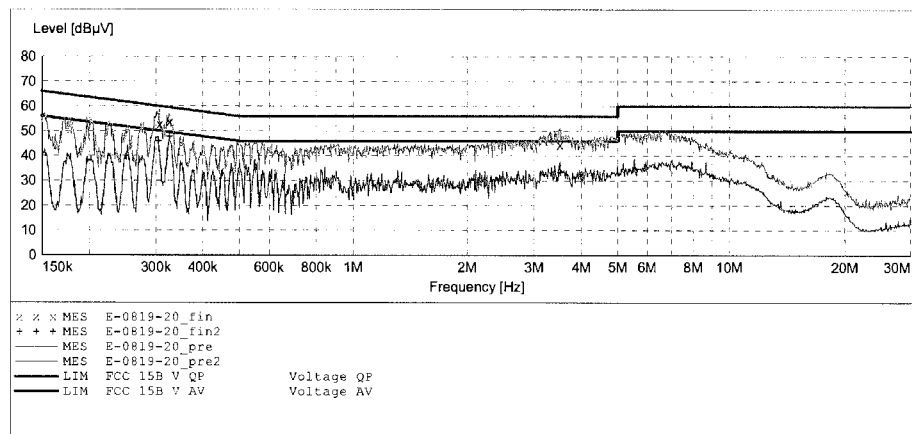
**ACCURATE TECHNOLOGY CO.,LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: NFC  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/19/2014 /

**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: "E-0819-20\_fin"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.306497	52.80	10.6	60	7.3	QP	N	GND
0.325410	53.80	10.6	60	5.8	QP	N	GND
3.513374	44.50	11.1	56	11.5	QP	N	GND

**MEASUREMENT RESULT: "E-0819-20\_fin2"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.304059	45.90	10.6	50	4.2	AV	N	GND
0.325410	47.70	10.6	50	1.9	AV	N	GND
3.513374	33.30	11.1	46	12.7	AV	N	GND

**Prüfbericht - Nr.: 17042542 001**

Test Report No.

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**5.1.1 Conducted emissions****RESULT:****Pass**

Date of testing	:	2014-08-30
Test standard	:	FCC Part 15.107 (a)
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.107(a)
Kind of test site	:	Shield room

**Test setup**

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

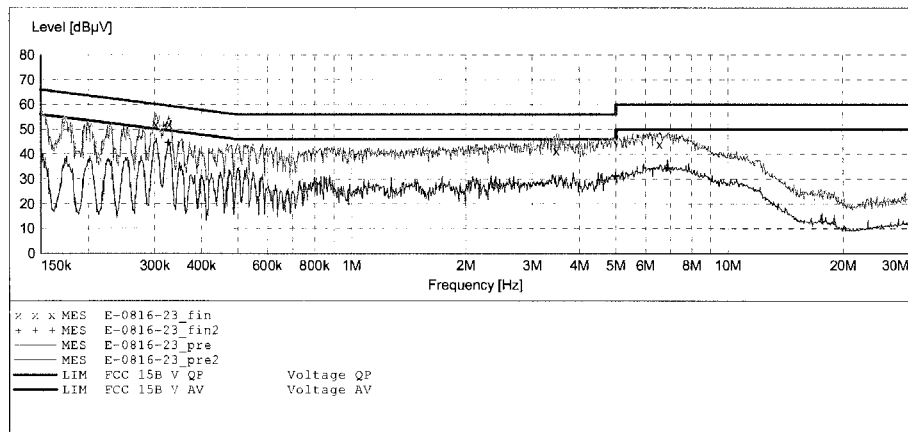
For details refer to following test plot.

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: Aux in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/16/2014 /

**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: "E-0816-23\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.301641	52.10	10.6	60	8.1	QP	L1	GND
0.326712	52.20	10.6	60	7.3	QP	L1	GND
3.471549	41.30	11.1	56	14.7	QP	L1	GND
6.549129	44.00	11.2	60	16.0	QP	L1	GND

**MEASUREMENT RESULT: "E-0816-23\_fin2"**

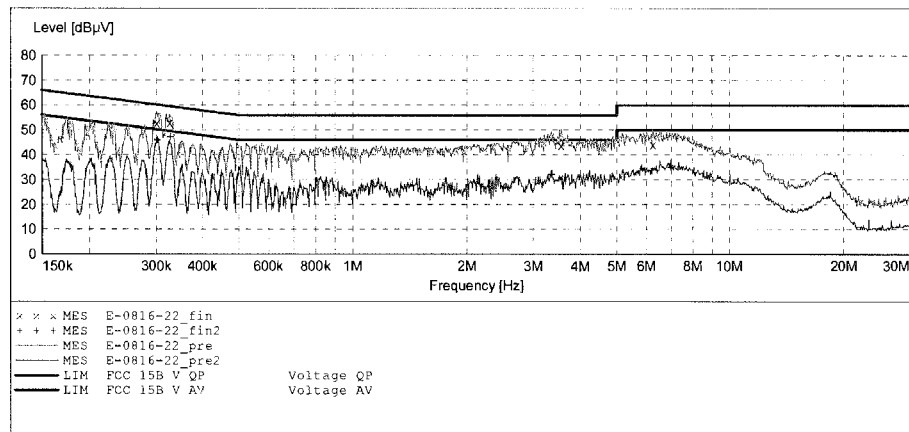
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.325410	44.60	10.6	50	5.0	AV	L1	GND
4.992190	31.10	11.2	46	14.9	AV	L1	GND
6.897979	34.50	11.2	50	15.5	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: Aux in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/16/2014 /

**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: "E-0816-22\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.300440	52.80	10.6	60	7.4	QP	N	GND
0.325410	53.00	10.6	60	6.6	QP	N	GND
3.555703	43.80	11.1	56	12.2	QP	N	GND
6.242794	44.10	11.2	60	15.9	QP	N	GND

**MEASUREMENT RESULT: "E-0816-22\_fin2"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.301641	45.90	10.6	50	4.3	AV	N	GND
0.326712	47.20	10.6	50	2.3	AV	N	GND
3.349036	32.00	11.1	46	14.0	AV	N	GND
6.981086	34.90	11.2	50	15.1	AV	N	GND

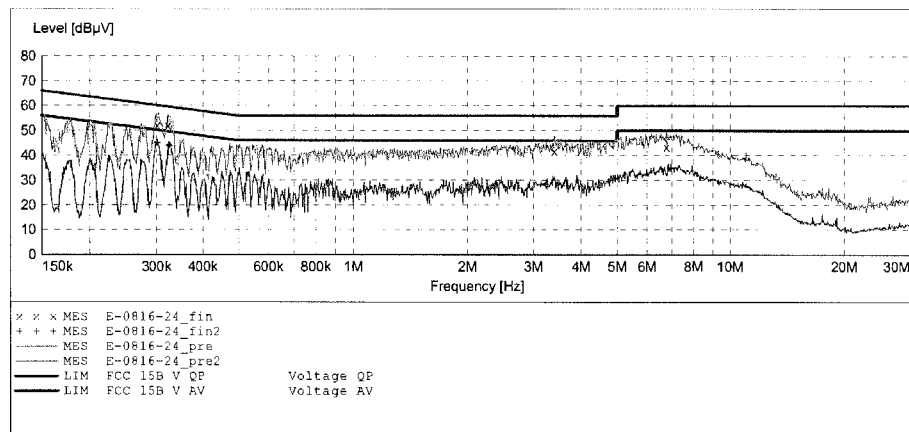


**ACCURATE TECHNOLOGY CO.,LTD**
**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: Mp3 Link  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/16/2014 /

**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: "E-0816-24\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.301641	52.20	10.6	60	8.0	QP	L1	GND
0.321537	52.10	10.6	60	7.6	QP	L1	GND
3.402943	41.70	11.1	56	14.3	QP	L1	GND
6.761659	43.40	11.2	60	16.6	QP	L1	GND

**MEASUREMENT RESULT: "E-0816-24\_fin2"**

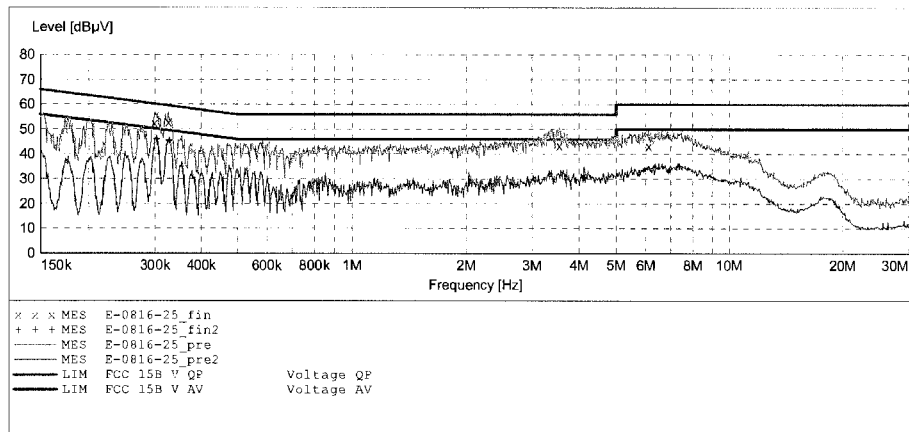
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.301641	45.00	10.6	50	5.2	AV	L1	GND
0.324114	43.90	10.6	50	5.7	AV	L1	GND
4.932760	30.50	11.2	46	15.5	AV	L1	GND
6.953273	34.80	11.2	50	15.2	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: Mp3 Link  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/16/2014 /

**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: "E-0816-25\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.299243	52.50	10.6	60	7.8	QP	N	GND
0.325410	52.90	10.6	60	6.7	QP	N	GND
3.541537	43.40	11.1	56	12.6	QP	N	GND
6.095043	43.20	11.2	60	16.8	QP	N	GND

**MEASUREMENT RESULT: "E-0816-25\_fin2"**

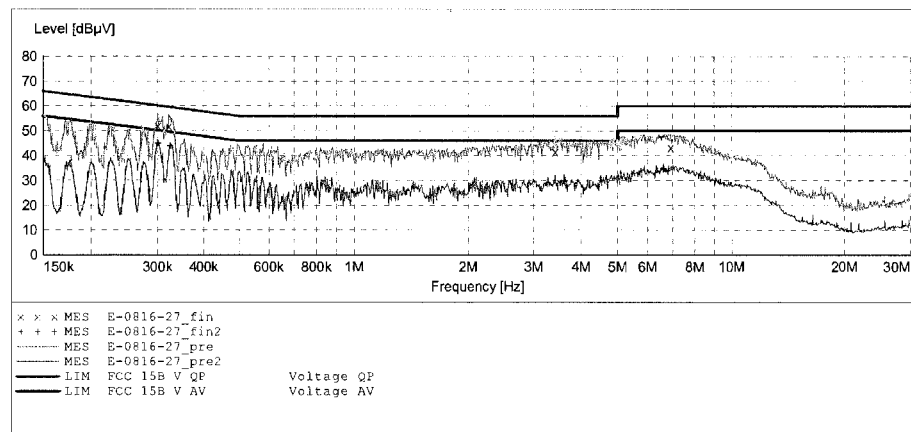
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.302848	45.90	10.6	50	4.3	AV	N	GND
0.326712	45.30	10.6	50	4.2	AV	N	GND
4.121667	30.50	11.1	46	15.5	AV	N	GND
7.352944	35.00	11.2	50	15.0	AV	N	GND

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: HDMI in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/16/2014 /

**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: "E-0816-27\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.300440	52.10	10.6	60	8.1	QP	L1	GND
0.321537	51.90	10.6	60	7.8	QP	L1	GND
3.416555	41.60	11.1	56	14.4	QP	L1	GND
6.897979	43.30	11.2	60	16.7	QP	L1	GND

**MEASUREMENT RESULT: "E-0816-27\_fin2"**

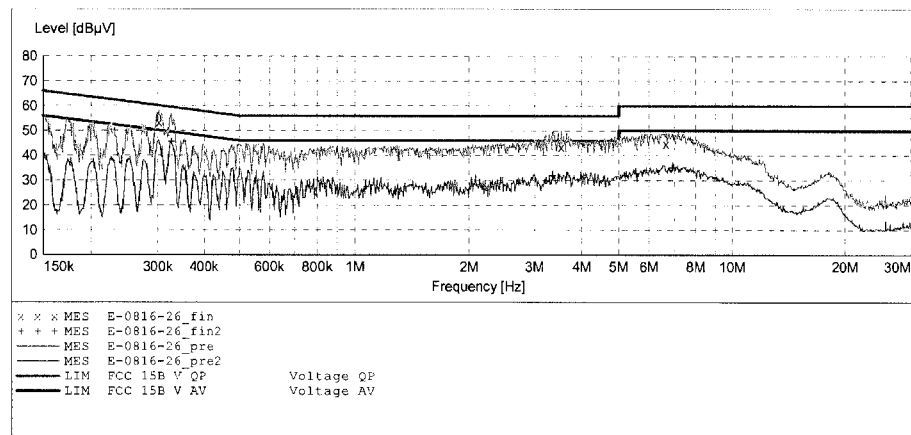
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.300440	44.90	10.6	50	5.3	AV	L1	GND
0.324114	43.80	10.6	50	5.8	AV	L1	GND
3.612937	29.80	11.1	46	16.2	AV	L1	GND
6.601627	34.70	11.2	50	15.3	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: HDMI in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/16/2014 /

**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: "E-0816-26\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.301641	53.40	10.6	60	6.8	QP	N	GND
3.527427	43.40	11.1	56	12.6	QP	N	GND
6.654546	44.70	11.2	60	15.3	QP	N	GND

**MEASUREMENT RESULT: "E-0816-26\_fin2"**

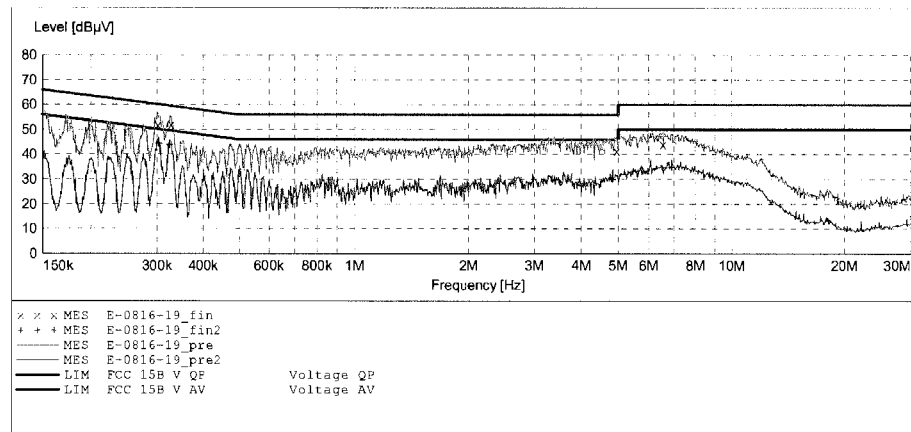
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.325410	45.50	10.6	50	4.1	AV	N	GND
3.349036	31.80	11.1	46	14.2	AV	N	GND
6.925571	35.10	11.2	50	14.9	AV	N	GND

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: Radio FM  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/16/2014 /

**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: "E-0816-19\_fin"**

8/16/2014

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.301641	51.80	10.6	60	8.4	QP	L1	GND
0.326712	52.10	10.6	60	7.4	QP	L1	GND
4.952491	41.30	11.2	56	14.7	QP	L1	GND
6.549129	44.00	11.2	60	16.0	QP	L1	GND

**MEASUREMENT RESULT: "E-0816-19\_fin2"**

8/16/2014

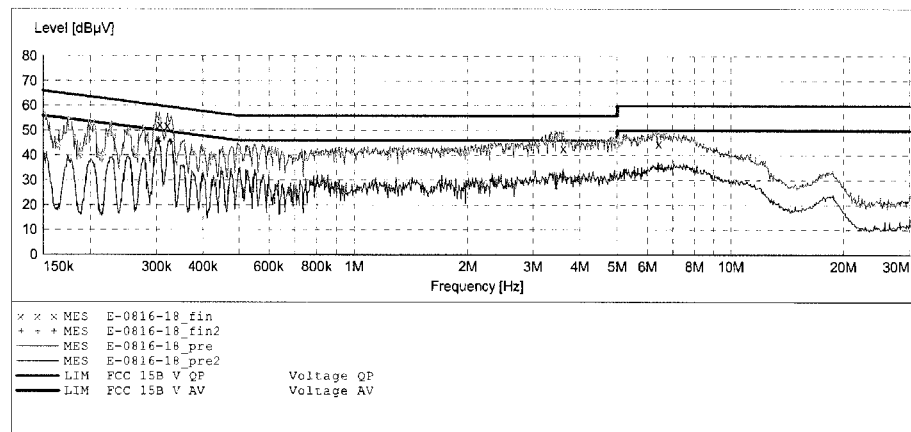
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.302848	44.30	10.6	50	5.9	AV	L1	GND
0.324114	43.70	10.6	50	5.9	AV	L1	GND
4.835277	29.80	11.1	46	16.2	AV	L1	GND
6.897979	34.80	11.2	50	15.2	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: Radio FM  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/16/2014 /

**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: "E-0816-18\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.305276	52.50	10.6	60	7.6	QP	N	GND
0.320256	52.00	10.6	60	7.7	QP	N	GND
3.612937	42.90	11.1	56	13.1	QP	N	GND
6.419704	44.80	11.2	60	15.2	QP	N	GND

**MEASUREMENT RESULT: "E-0816-18\_fin2"**

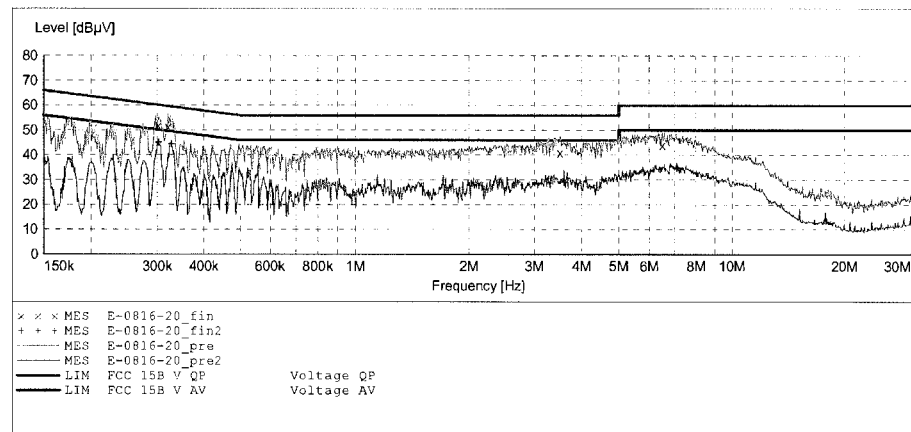
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.302848	45.50	10.6	50	4.7	AV	N	GND
0.326712	45.30	10.6	50	4.2	AV	N	GND
3.612937	31.30	11.1	46	14.7	AV	N	GND
6.394128	34.70	11.2	50	15.3	AV	N	GND

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: Optical in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/16/2014 /

**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: "E-0816-20\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.301641	51.90	10.6	60	8.3	QP	L1	GND
0.320256	51.40	10.6	60	8.3	QP	L1	GND
3.513374	41.00	11.1	56	15.0	QP	L1	GND
6.497049	44.00	11.2	60	16.0	QP	L1	GND

**MEASUREMENT RESULT: "E-0816-20\_fin2"**

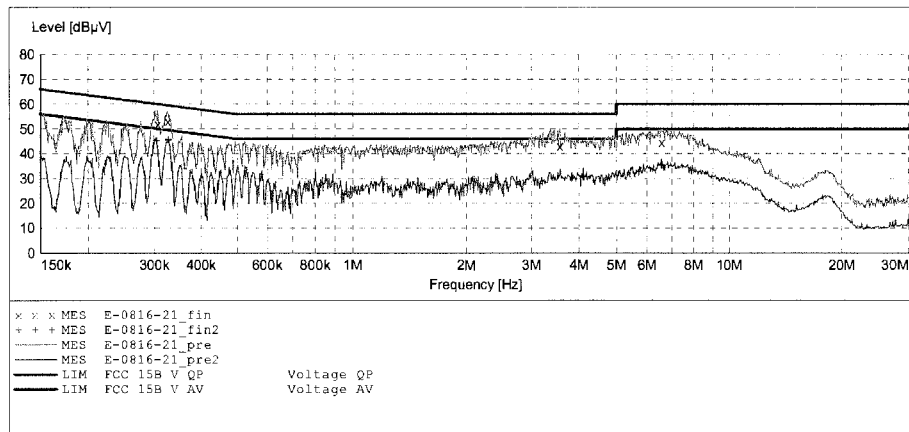
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.301641	45.00	10.6	50	5.2	AV	L1	GND
0.326712	44.40	10.6	50	5.1	AV	L1	GND
3.598543	29.00	11.1	46	17.0	AV	L1	GND
7.093455	34.70	11.2	50	15.3	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT312BT  
 Manufacturer:  
 Operating Condition: Optical in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/16/2014 /

**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: "E-0816-21\_fin"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.306497	51.90	10.6	60	8.2	QP	N	GND
0.325410	53.10	10.6	60	6.5	QP	N	GND
3.569926	43.10	11.1	56	12.9	QP	N	GND
6.575326	44.50	11.2	60	15.5	QP	N	GND

**MEASUREMENT RESULT: "E-0816-21\_fin2"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.304059	45.20	10.6	50	4.9	AV	N	GND
0.326712	45.50	10.6	50	4.0	AV	N	GND
4.105246	30.50	11.1	46	15.5	AV	N	GND
6.575326	35.30	11.2	50	14.7	AV	N	GND

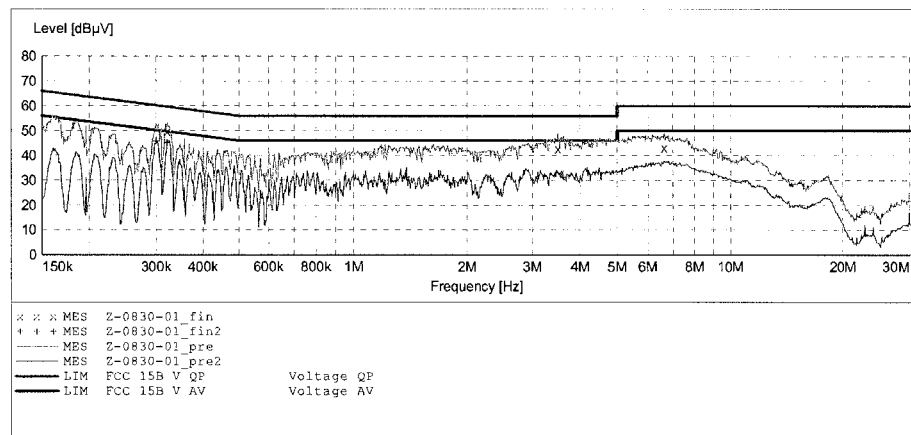


**ACCURATE TECHNOLOGY CO.,LTD**
**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: 2.1CH Sound base M/N:TT313BT  
 Manufacturer:  
 Operating Condition: Coaxial in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/30/2014 /

**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: "Z-0830-01\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.320256	49.80	10.6	60	9.9	QP	L1	GND
3.499376	42.70	11.1	56	13.3	QP	L1	GND
6.628034	43.10	11.2	60	16.9	QP	L1	GND

**MEASUREMENT RESULT: "Z-0830-01\_fin2"**

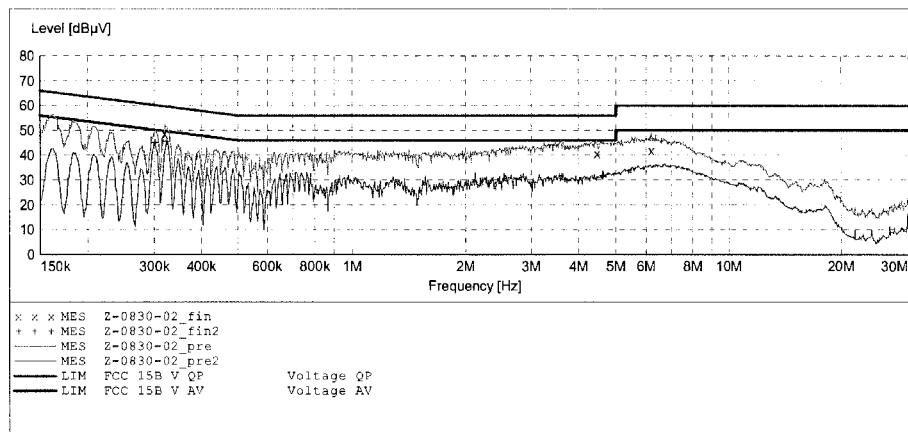
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.299243	45.70	10.6	50	4.6	AV	L1	GND
0.320256	45.10	10.6	50	4.6	AV	L1	GND
1.374997	31.20	10.9	46	14.8	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT313BT  
 Manufacturer:  
 Operating Condition: Coaxial in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/30/2014 /

**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 NSLK0126 2008  
 Average


**MEASUREMENT RESULT: "Z-0830-02\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.318980	48.70	10.6	60	11.0	QP	N	GND
4.464236	40.60	11.1	56	15.4	QP	N	GND
6.193150	41.80	11.2	60	18.2	QP	N	GND

**MEASUREMENT RESULT: "Z-0830-02\_fin2"**

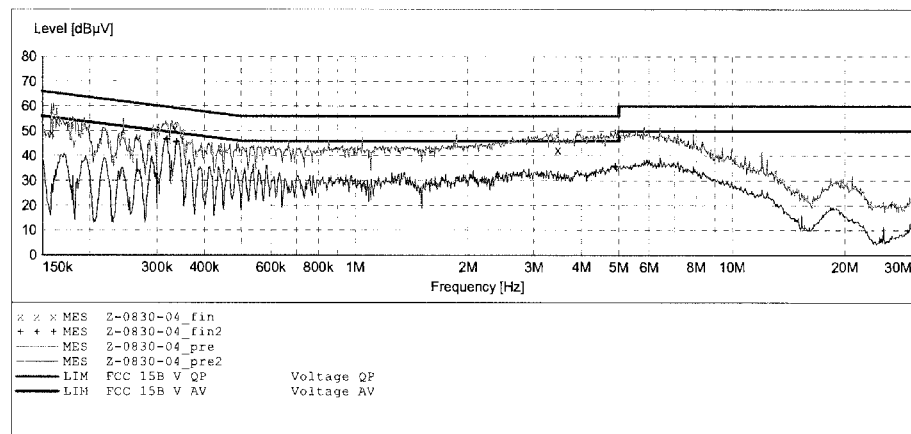
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.300440	44.90	10.6	50	5.3	AV	N	GND
0.322823	45.40	10.6	50	4.2	AV	N	GND
4.627544	31.50	11.1	46	14.5	AV	N	GND

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

EUT: 2.1CH Sound base M/N:TT318  
 Manufacturer:  
 Operating Condition: Aux in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/30/2014 /

**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: "Z-0830-04\_fin"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.158622	49.30	10.5	66	16.2	QP	L1	GND
0.334632	51.10	10.6	59	8.2	QP	L1	GND
3.471549	42.40	11.1	56	13.6	QP	L1	GND

**MEASUREMENT RESULT: "Z-0830-04\_fin2"**

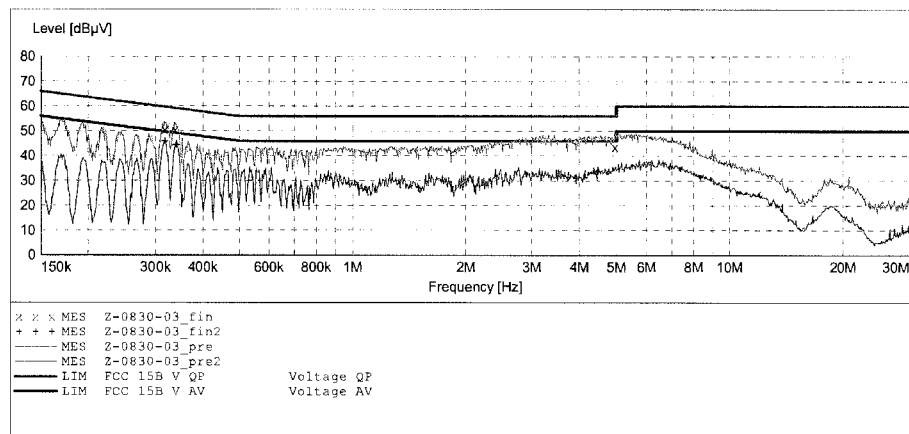
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.317709	46.60	10.6	50	3.2	AV	L1	GND
0.337314	45.50	10.6	49	3.8	AV	L1	GND
4.893533	35.70	11.2	46	10.3	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT318  
 Manufacturer:  
 Operating Condition: Aux in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/30/2014 /

**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: "Z-0830-03\_fin"**

8/30/2014

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.316443	50.60	10.6	60	9.2	QP	N	GND
0.337314	50.60	10.6	59	8.7	QP	N	GND
4.952491	43.50	11.2	56	12.5	QP	N	GND

**MEASUREMENT RESULT: "Z-0830-03\_fin2"**

8/30/2014

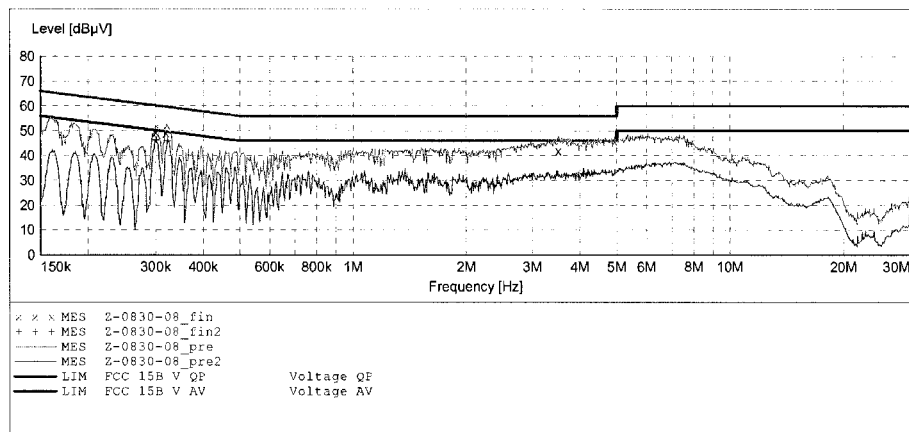
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.316443	45.80	10.6	50	4.0	AV	N	GND
0.340018	44.30	10.6	49	4.9	AV	N	GND
4.464236	33.70	11.1	46	12.3	AV	N	GND

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

EUT: 2.1CH Sound base M/N:TT318  
 Manufacturer:  
 Operating Condition: Mp3 Link  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/30/2014 /

**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: "Z-0830-08\_fin"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.300440	49.50	10.6	60	10.7	QP	L1	GND
0.318980	49.20	10.6	60	10.5	QP	L1	GND
3.513374	41.90	11.1	56	14.1	QP	L1	GND

**MEASUREMENT RESULT: "Z-0830-08\_fin2"**

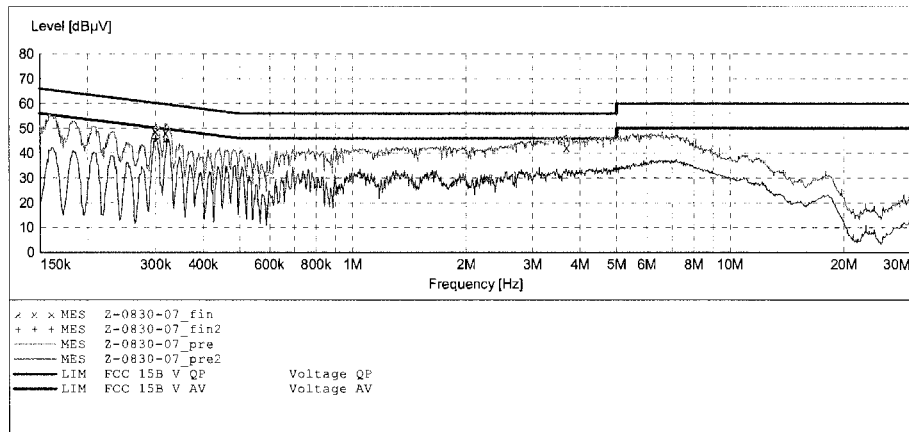
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.300440	46.20	10.6	50	4.0	AV	L1	GND
0.321537	45.80	10.6	50	3.9	AV	L1	GND
4.088890	32.60	11.1	46	13.4	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT318  
 Manufacturer:  
 Operating Condition: Mp3 Link  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/30/2014 /

**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: "Z-0830-07\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.299243	48.80	10.6	60	11.5	QP	N	GND
0.317709	48.20	10.6	60	11.6	QP	N	GND
3.685776	42.30	11.1	56	13.7	QP	N	GND

**MEASUREMENT RESULT: "Z-0830-07\_fin2"**

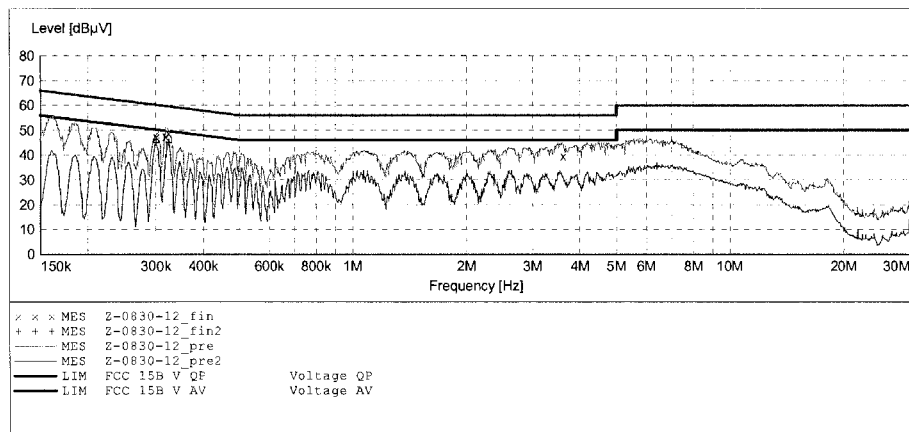
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.299243	45.60	10.6	50	4.7	AV	N	GND
0.320256	44.50	10.6	50	5.2	AV	N	GND
4.992190	33.70	11.2	46	12.3	AV	N	GND

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

EUT: 2.1CH Sound base M/N:TT318  
 Manufacturer:  
 Operating Condition: HDMI in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/30/2014 /

**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: "Z-0830-12\_fin"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.300440	47.30	10.6	60	12.9	QP	L1	GND
0.317709	47.50	10.6	60	12.3	QP	L1	GND
0.324114	48.70	10.6	60	10.9	QP	L1	GND
3.612937	39.50	11.1	56	16.5	QP	L1	GND

**MEASUREMENT RESULT: "Z-0830-12\_fin2"**

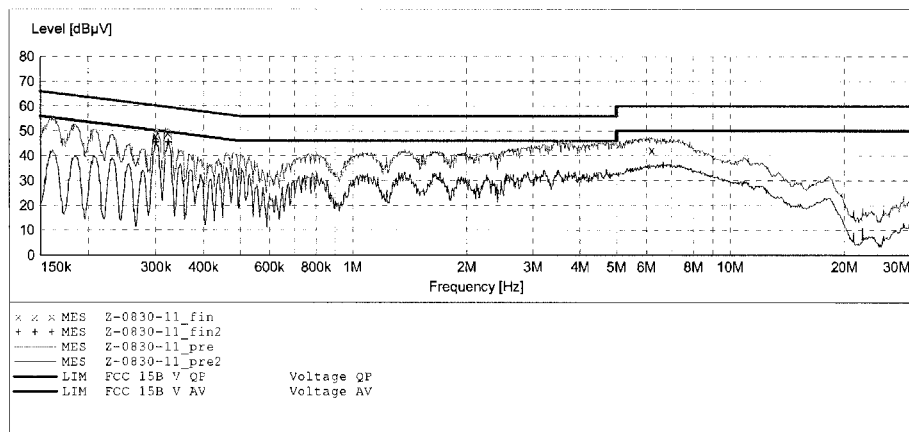
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.300440	44.90	10.6	50	5.3	AV	L1	GND
0.324114	44.90	10.6	50	4.7	AV	L1	GND
6.394128	35.40	11.2	50	14.6	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT318  
 Manufacturer:  
 Operating Condition: HDMI in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/30/2014 /

**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: "Z-0830-11\_fin"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.299243	48.00	10.6	60	12.3	QP	N	GND
0.321537	49.30	10.6	60	10.4	QP	N	GND
6.193150	42.30	11.2	60	17.7	QP	N	GND

**MEASUREMENT RESULT: "Z-0830-11\_fin2"**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.299243	45.40	10.6	50	4.9	AV	N	GND
0.322823	45.40	10.6	50	4.2	AV	N	GND
6.654546	36.20	11.2	50	13.8	AV	N	GND

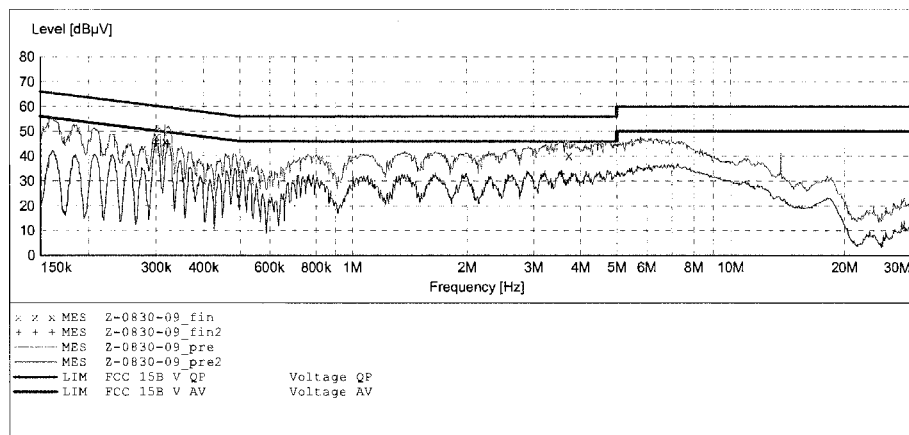


**ACCURATE TECHNOLOGY CO.,LTD**
**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: 2.1CH Sound base M/N:TT318  
 Manufacturer:  
 Operating Condition: Optical in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/30/2014 /

**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: "Z-0830-09\_fin"**

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.300440	48.00	10.6	60	12.2	QP	L1	GND
0.316443	45.90	10.6	60	13.9	QP	L1	GND
3.730182	40.30	11.1	56	15.7	QP	L1	GND

**MEASUREMENT RESULT: "Z-0830-09\_fin2"**

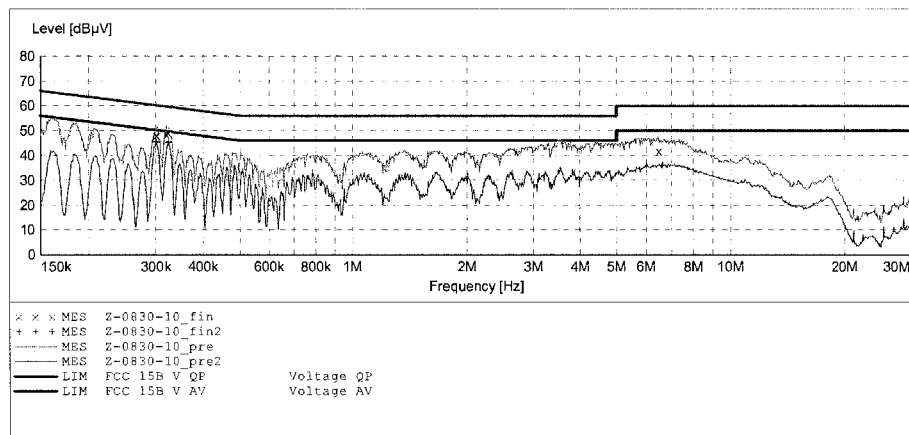
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.299243	44.90	10.6	50	5.4	AV	L1	GND
0.321537	44.70	10.6	50	5.0	AV	L1	GND
3.555703	32.80	11.1	46	13.2	AV	L1	GND

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

EUT: 2.1CH Sound base M/N:TT318  
 Manufacturer:  
 Operating Condition: Optical in  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: N 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 8/30/2014 /

**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: "Z-0830-10\_fin"**

8/30/2014

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.300440	48.10	10.6	60	12.1	QP	N	GND
0.318980	48.70	10.6	60	11.0	QP	N	GND
0.322823	49.20	10.6	60	10.4	QP	N	GND
6.471164	41.70	11.2	60	18.3	QP	N	GND

**MEASUREMENT RESULT: "Z-0830-10\_fin2"**

8/30/2014

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.300440	45.30	10.6	50	4.9	AV	N	GND
0.322823	45.20	10.6	50	4.4	AV	N	GND
6.628034	36.00	11.2	50	14.0	AV	N	GND

## 5.1.2 Radiated Emission

**RESULT:****Pass**

Date of testing	:	2014-08-30
Test standard	:	FCC Part 15.109 (a)
Test procedure	:	ANSI C63.4: 2003
Frequency range	:	30 - 6000MHz
Equipment Classification	:	Class B
Limits	:	FCC Part 15.109(a)
Kind of test site	:	3m Semi-Anechoic Chamber

**Test setup**

Input Voltage	:	AC 120V, 60Hz
Operation mode	:	B, C, D, E, F, G
Earthing	:	Not connected
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to following test plot.


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Site: 2# Chamber

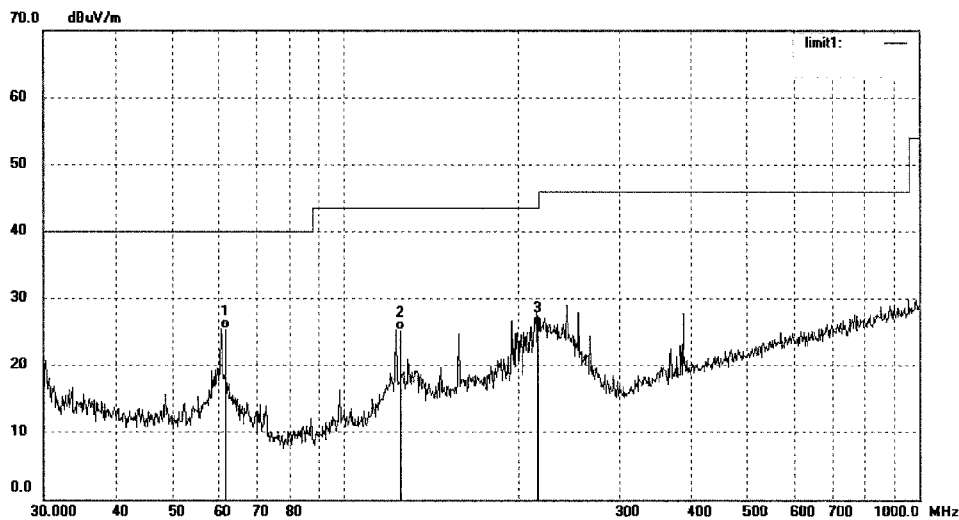
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3608  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Aux in  
Model: TT312BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	61.5769	39.89	-14.50	25.39	40.00	-14.61	QP			
2	124.7494	39.01	-13.70	25.31	43.50	-18.19	QP			
3	215.8535	37.86	-11.85	26.01	43.50	-17.49	QP			


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Site: 2# Chamber

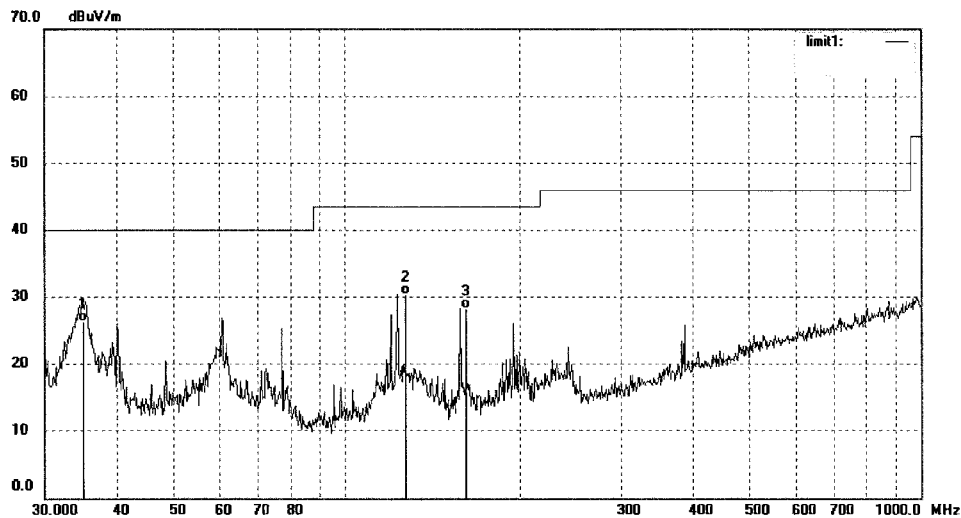
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3607  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Aux in  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	34.8928	36.72	-10.41	26.31	40.00	-13.69	QP			
2	125.7493	44.06	-13.75	30.31	43.50	-13.19	QP			
3	160.5289	42.78	-14.53	28.25	43.50	-15.25	QP			


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Site: 2# Chamber

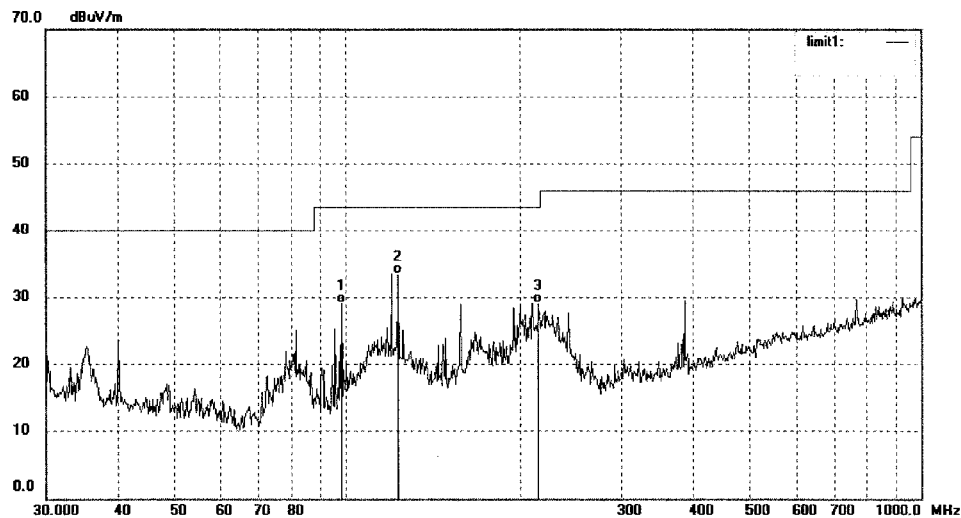
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3605  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Mp3 Link  
Model: TT312BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	98.1022	42.90	-13.76	29.14	43.50	-14.36	QP			
2	121.7672	46.93	-13.35	33.58	43.50	-9.92	QP			
3	212.3924	41.16	-12.03	29.13	43.50	-14.37	QP			


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Site: 2# Chamber

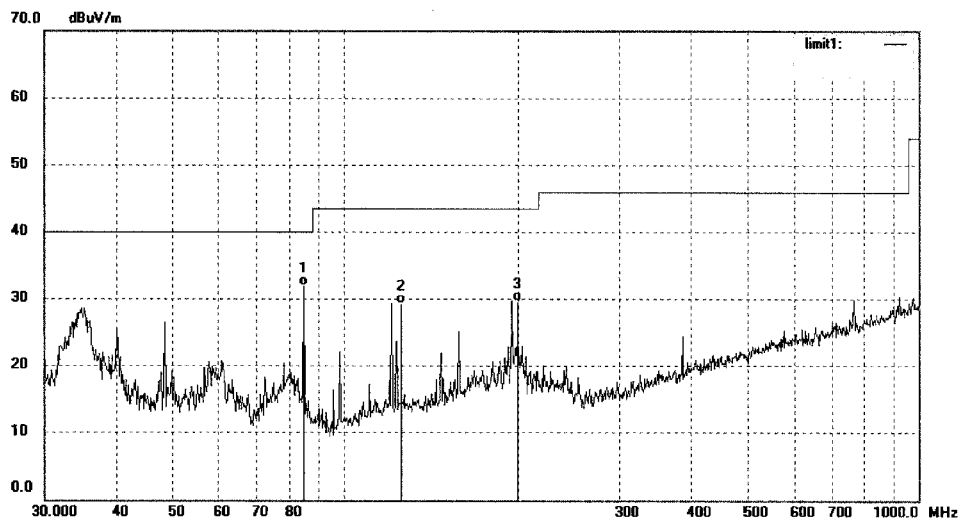
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3606  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Mp3 Link  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	84.8783	47.33	-15.42	31.91	40.00	-8.09	QP			
2	125.0118	42.96	-13.73	29.23	43.50	-14.27	QP			
3	196.6985	42.08	-12.47	29.61	43.50	-13.89	QP			


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Site: 2# Chamber

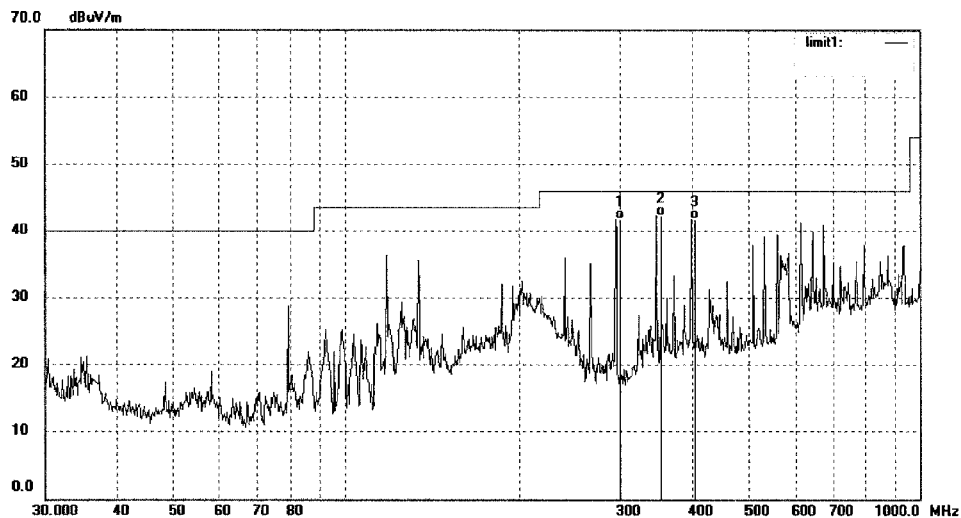
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3612  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: HDMI in  
Model: TT312BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	298.4259	51.05	-9.32	41.73	46.00	-4.27	QP			
2	350.0740	50.04	-7.75	42.29	46.00	-3.71	QP			
3	402.6981	48.53	-6.77	41.76	46.00	-4.24	QP			




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Site: 2# Chamber

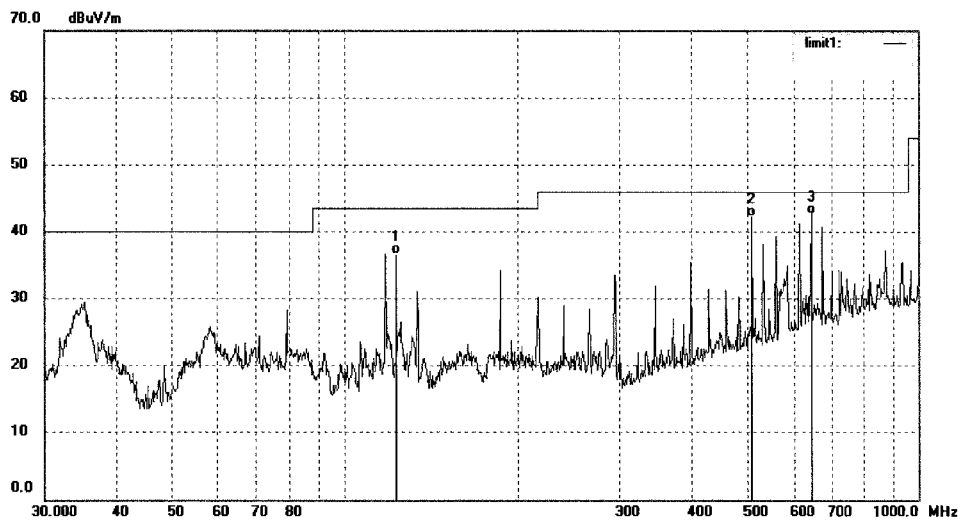
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3611  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: HDMI in  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	121.6813	50.05	-13.34	36.71	43.50	-6.79	QP			
2	508.5692	46.85	-4.57	42.28	46.00	-3.72	QP			
3	644.5529	45.11	-2.52	42.59	46.00	-3.41	QP			


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Site: 2# Chamber

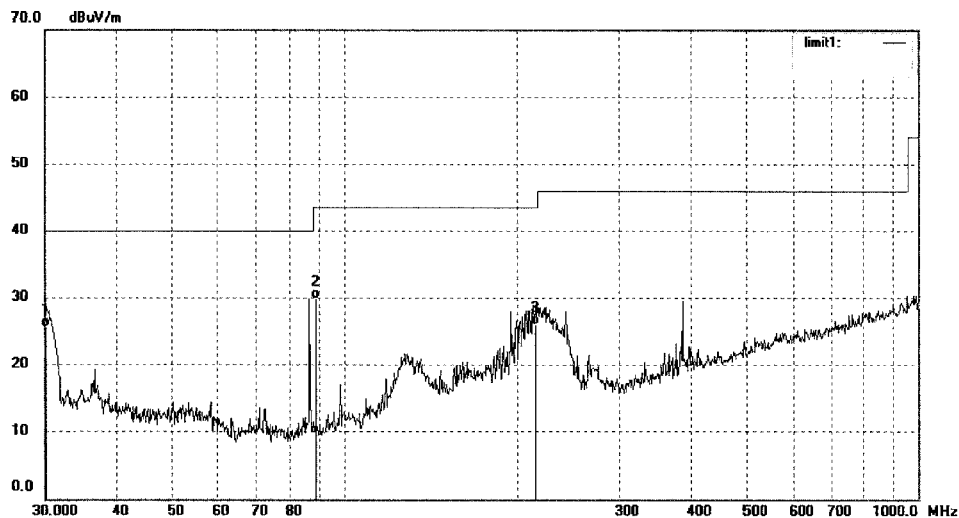
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3613  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: FM 88.1MHz  
Model: TT312BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	30.0000	35.58	-9.93	25.65	40.00	-14.35	QP			
2	88.1067	45.07	-15.19	29.88	43.50	-13.62	QP			
3	214.6063	37.94	-11.90	26.04	43.50	-17.46	QP			


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Site: 2# Chamber

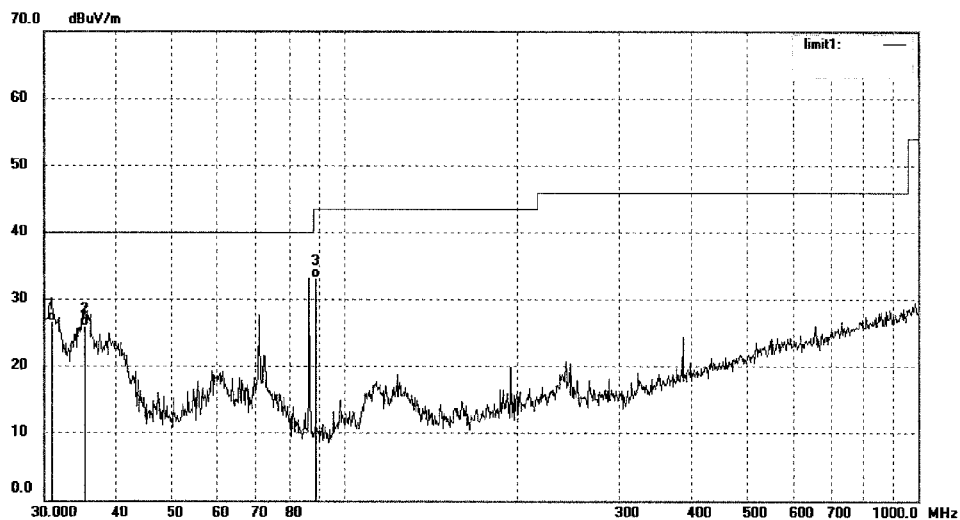
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3614  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: FM 88.1MHz  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	30.8551	36.74	-10.01	26.73	40.00	-13.27	QP			
2	35.2625	36.46	-10.48	25.98	40.00	-14.02	QP			
3	88.1042	48.36	-15.19	33.17	43.50	-10.33	QP			


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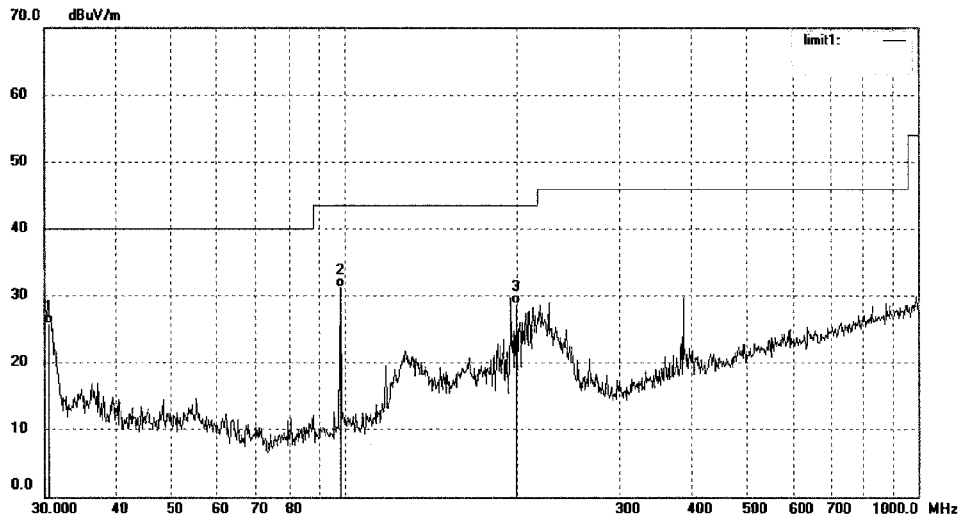
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3616  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: FM 98.1MHz  
Model: TT312BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	30.4246	35.76	-9.96	25.80	40.00	-14.20	QP			
2	98.1201	44.99	-13.76	31.23	43.50	-12.27	QP			
3	198.4985	41.17	-12.46	28.71	43.50	-14.79	QP			


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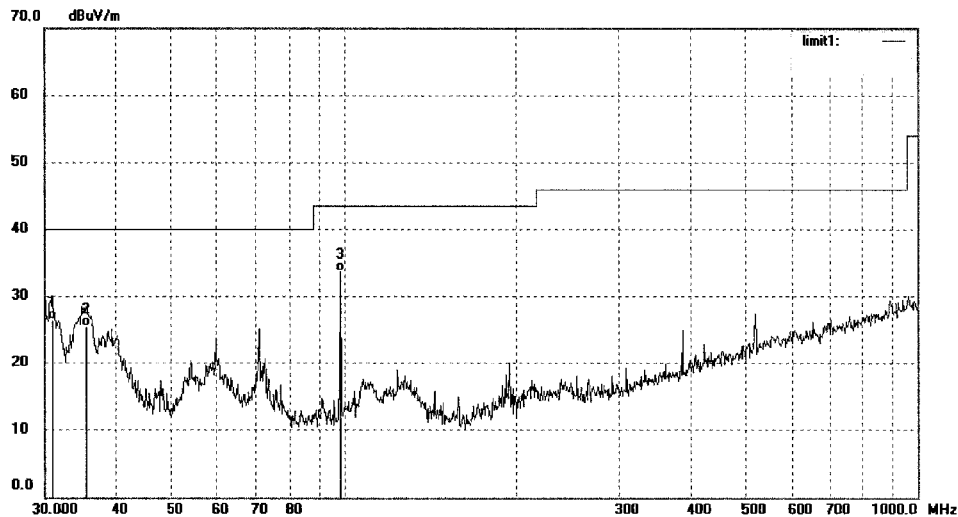
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3615  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: FM 98.1MHz  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	30.8551	36.57	-10.01	26.56	40.00	-13.44	QP			
2	35.3866	35.97	-10.51	25.46	40.00	-14.54	QP			
3	98.1001	47.44	-13.77	33.67	43.50	-9.83	QP			


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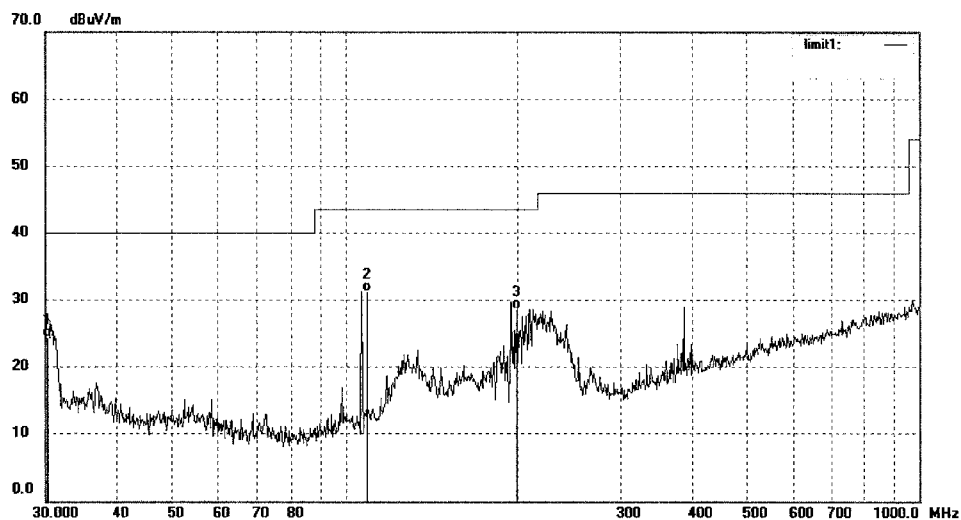
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3617  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: FM 107.9MHz  
Model: TT312BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	30.2116	34.44	-9.94	24.50	40.00	-15.50	QP			
2	107.9010	45.10	-13.92	31.18	43.50	-12.32	QP			
3	198.3279	41.12	-12.45	28.67	43.50	-14.83	QP			


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Site: 2# Chamber

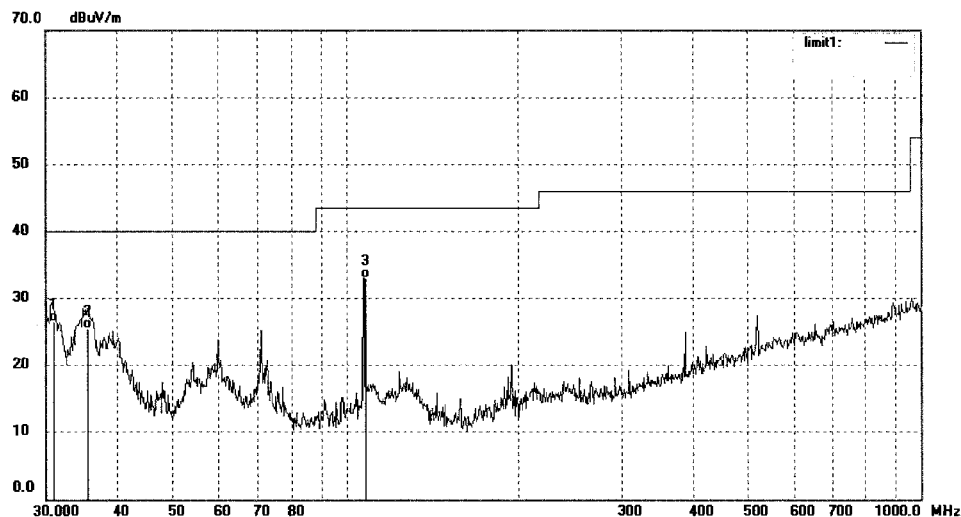
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3618  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: FM 107.9MHz  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	30.8551	36.57	-10.01	26.56	40.00	-13.44	QP			
2	35.3866	35.97	-10.51	25.46	40.00	-14.54	QP			
3	107.9201	46.99	-13.92	33.07	43.50	-10.43	QP			


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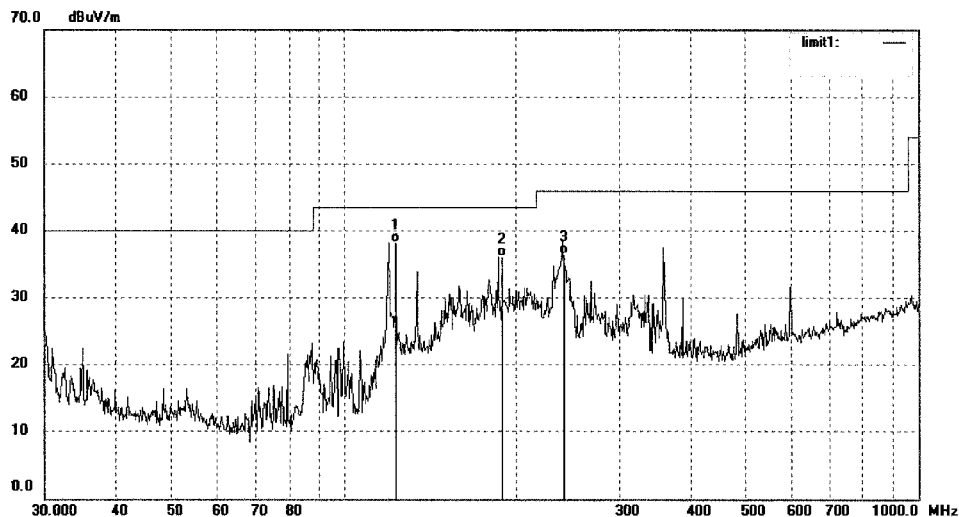
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3609  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Optical in  
Model: TT312BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	121.4888	51.59	-13.33	38.26	43.50	-5.24	QP			
2	189.0010	48.84	-12.66	36.18	43.50	-7.32	QP			
3	242.3020	47.28	-10.83	36.45	46.00	-9.55	QP			




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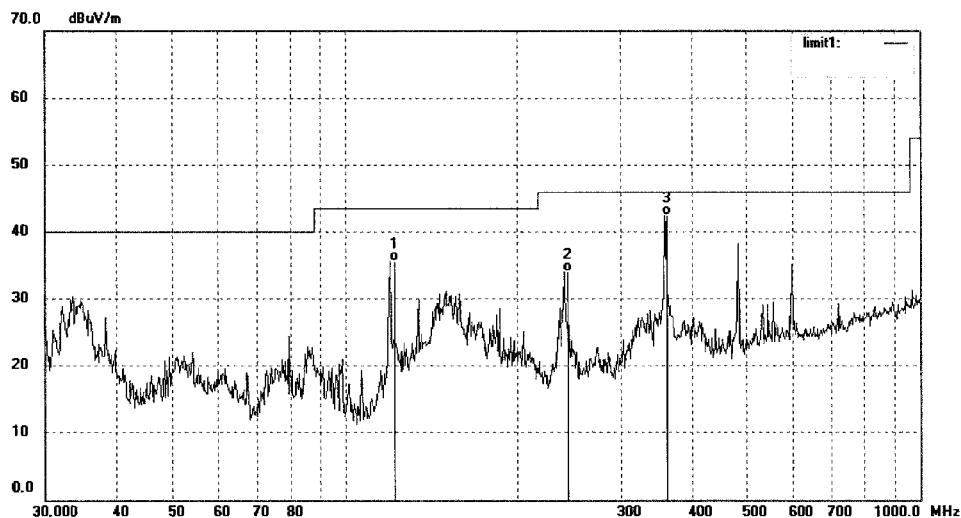
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3610  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Optical in  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	121.7453	48.94	-13.35	35.59	43.50	-7.91	QP			
2	242.3020	44.93	-10.83	34.10	46.00	-11.90	QP			
3	364.4497	50.03	-7.58	42.45	46.00	-3.55	QP			

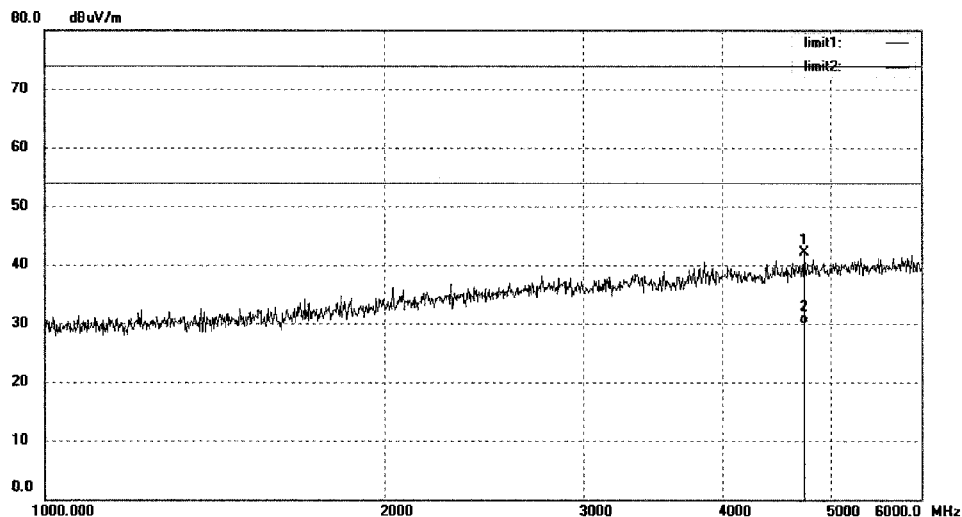

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 Job No.: Ian #3630  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: 2.1CH Sound base  
 Mode: Aux in  
 Model: TT312BT  
 Manufacturer:

 Polarization: Horizontal  
 Power Source: AC 120V/60Hz  
 Date: 2014/08/16  
 Time:  
 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	4729.500	42.85	-0.71	42.14	74.00	-31.86	peak			
2	4729.500	30.71	-0.71	30.00	54.00	-24.00	AVG			

**Prüfbericht - Nr.: 17042542 001**  
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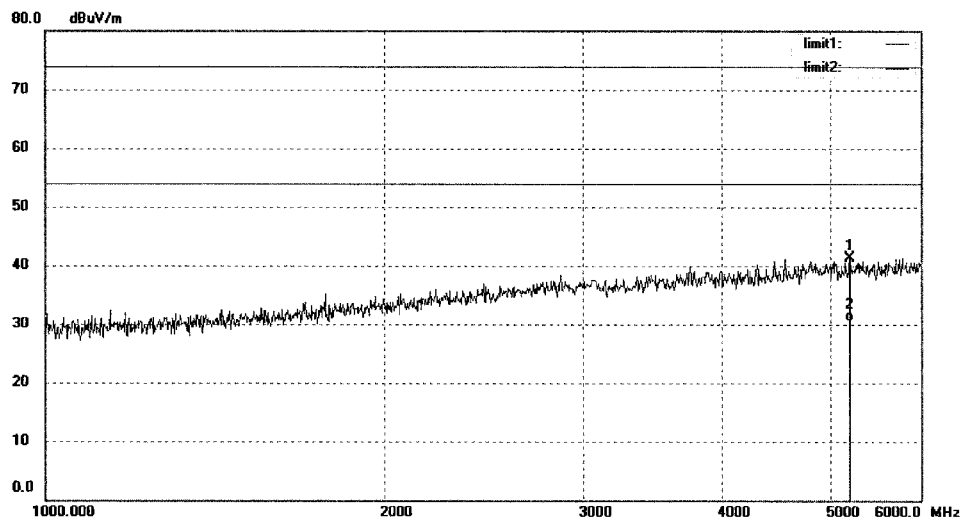
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3629  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Aux in  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
Engineer Signature:  
Distance: 3m

Note:



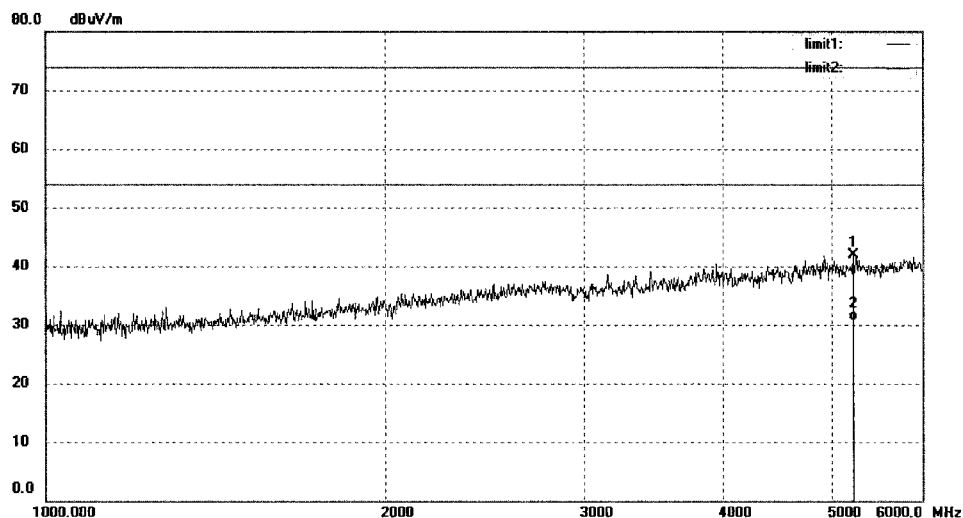
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5194.256	40.63	0.66	41.29	74.00	-32.71	peak			
2	5194.256	29.90	0.66	30.56	54.00	-23.44	AVG			


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

Job No.: Ian #3631	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2014/08/16
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: Mp3 Link	Distance: 3m
Model: TT312BT	
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	5213.016	41.19	0.73	41.92	74.00	-32.08	peak			
2	5213.016	30.07	0.73	30.80	54.00	-23.20	AVG			

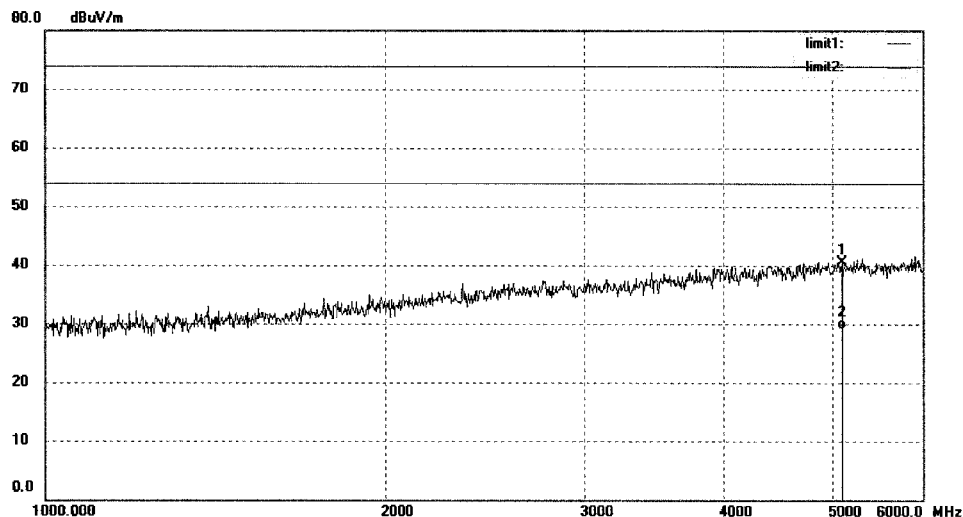

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 Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

 Job No.: lan #3632  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: 2.1CH Sound base  
 Mode: Mp3 Link  
 Model: TT312BT  
 Manufacturer:

 Polarization: Vertical  
 Power Source: AC 120V/60Hz  
 Date: 2014/08/16  
 Time:  
 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	5092.277	40.16	0.37	40.53	74.00	-33.47	peak			
2	5092.277	28.67	0.37	29.04	54.00	-24.96	AVG			


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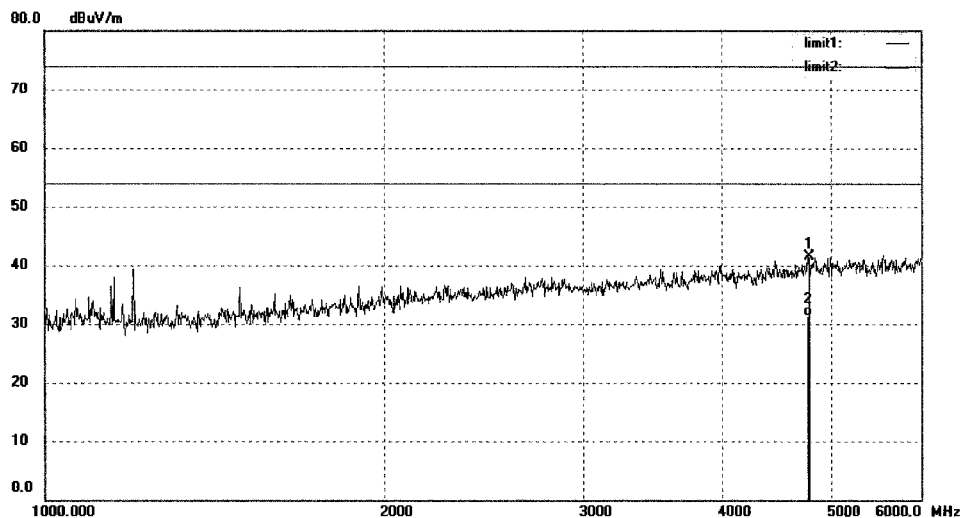
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3627  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: HDMI in  
Model: TT312BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	4763.725	42.05	-0.52	41.53	74.00	-32.47	peak			
2	4763.725	31.77	-0.52	31.25	54.00	-22.75	AVG			


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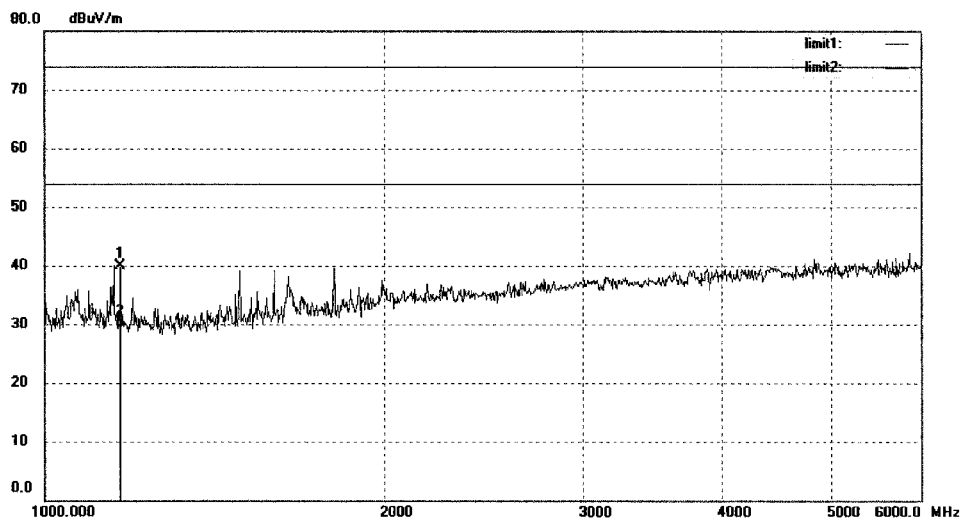
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3628  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: HDMI in  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	1162.892	52.32	-12.49	39.83	74.00	-34.17	peak			
2	1162.892	41.84	-12.49	29.35	54.00	-24.65	AVG			

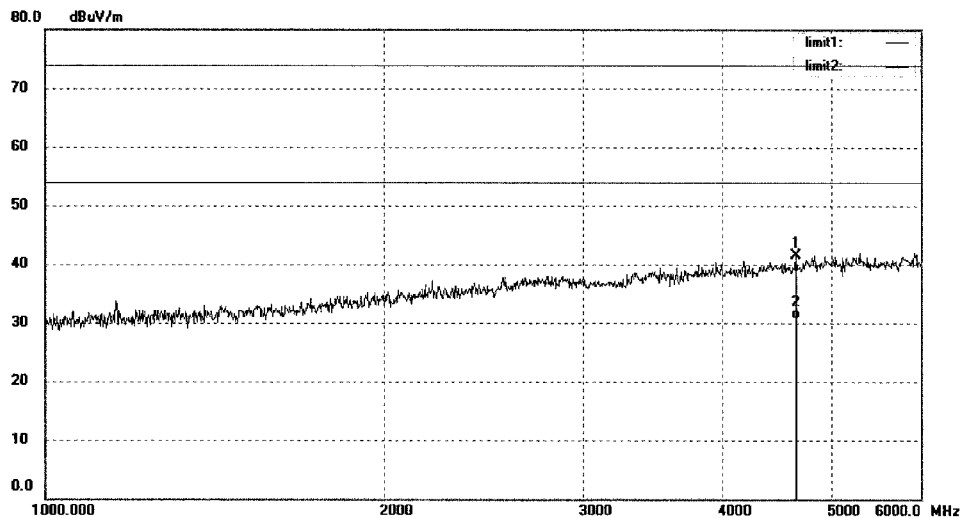

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 Job No.: Ian #3619  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: 2.1CH Sound base  
 Mode: FM 88.1MHz  
 Model: TT312BT  
 Manufacturer:

 Polarization: Horizontal  
 Power Source: AC 120V/60Hz  
 Date: 2014/08/16  
 Time:  
 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	4636.646	42.59	-1.04	41.55	74.00	-32.45	peak			
2	4636.646	31.74	-1.04	30.70	54.00	-23.30	AVG			




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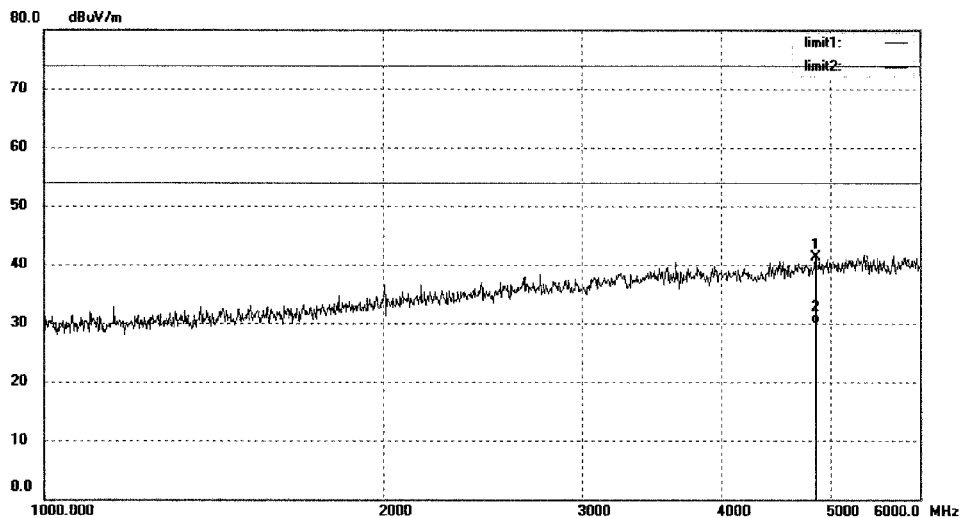
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3620  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: FM 88.1MHz  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	4841.638	41.31	-0.08	41.23	74.00	-32.77	peak			
2	4841.638	29.97	-0.08	29.89	54.00	-24.11	AVG			


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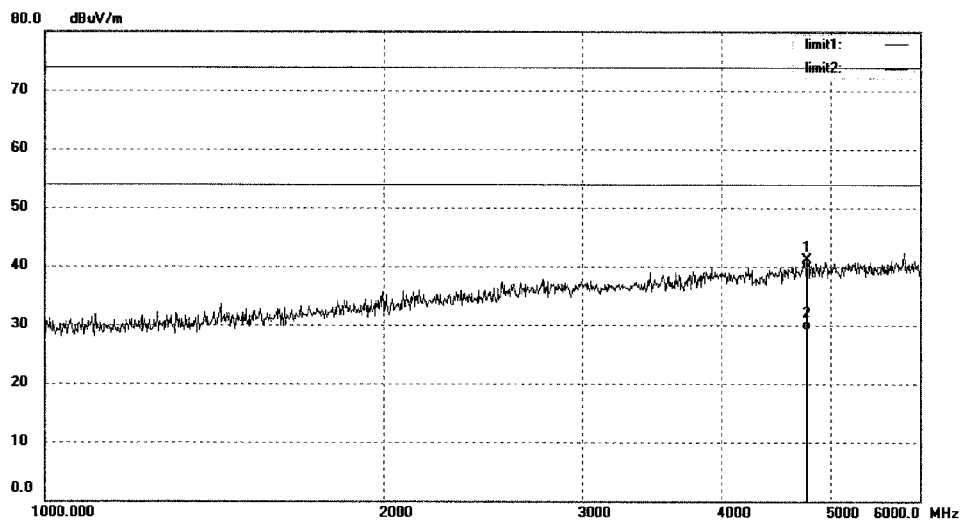
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3622  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: FM 98.1MHz  
Model: TT312BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	4755.145	41.64	-0.57	41.07	74.00	-32.93	peak			
2	4755.145	29.67	-0.57	29.10	54.00	-24.90	AVG			

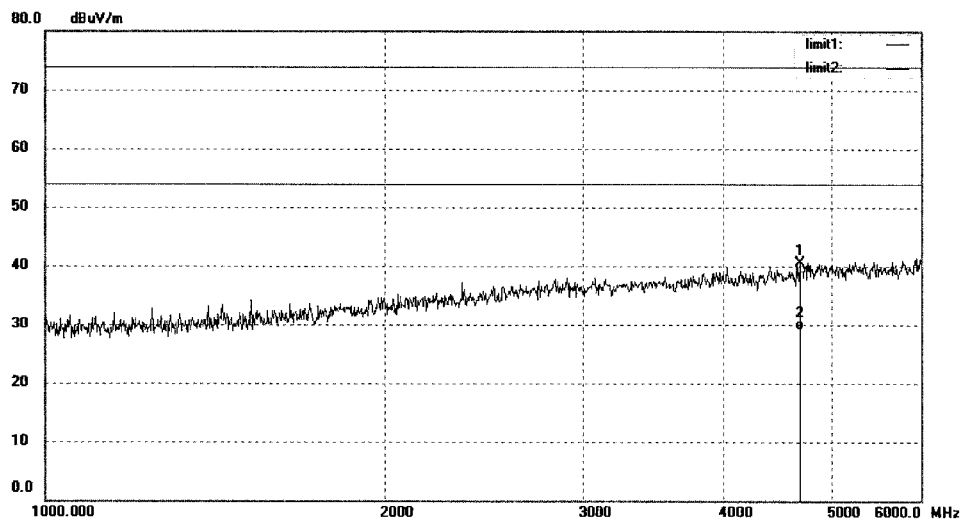

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 Site: 2# Chamber  
 Tel:+86-0755-26503290  
 Fax:+86-0755-26503396

 Job No.: lan #3621  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: 2.1CH Sound base  
 Mode: FM 98.1MHz  
 Model: TT312BT  
 Manufacturer:

 Polarization: Vertical  
 Power Source: AC 120V/60Hz  
 Date: 2014/08/16  
 Time:  
 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	4670.198	41.51	-0.96	40.55	74.00	-33.45	peak			
2	4670.198	30.04	-0.96	29.08	54.00	-24.92	AVG			


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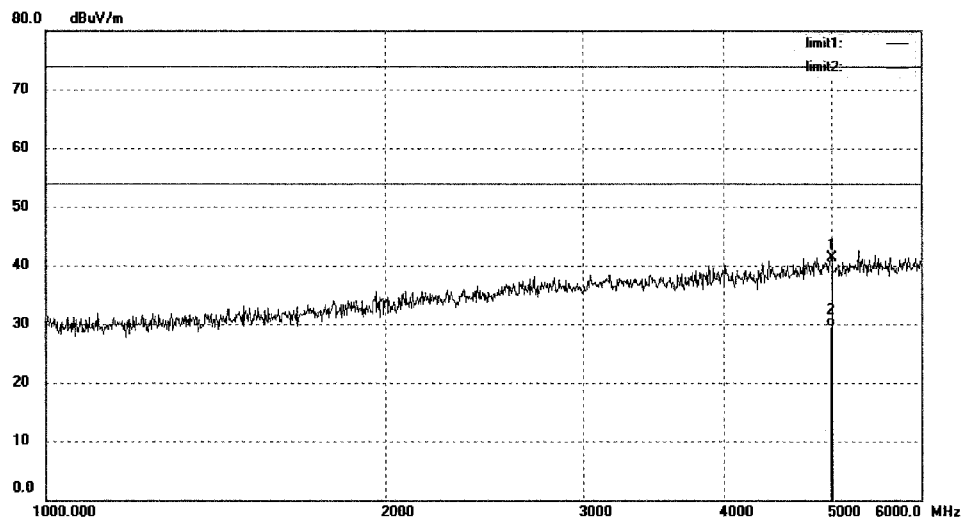
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3623  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: FM 107.9MHz  
Model: TT312BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	4983.310	40.70	0.62	41.32	74.00	-32.68	peak			
2	4983.310	28.94	0.62	29.56	54.00	-24.44	AVG			


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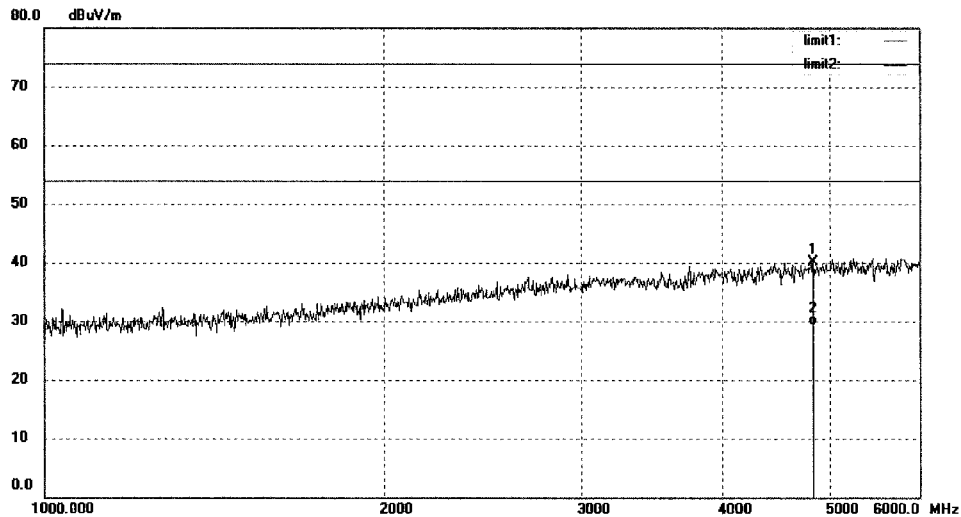
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3624  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: FM 107.9MHz  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	4824.214	40.22	-0.19	40.03	74.00	-33.97	peak			
2	4824.214	29.51	-0.19	29.32	54.00	-24.68	AVG			

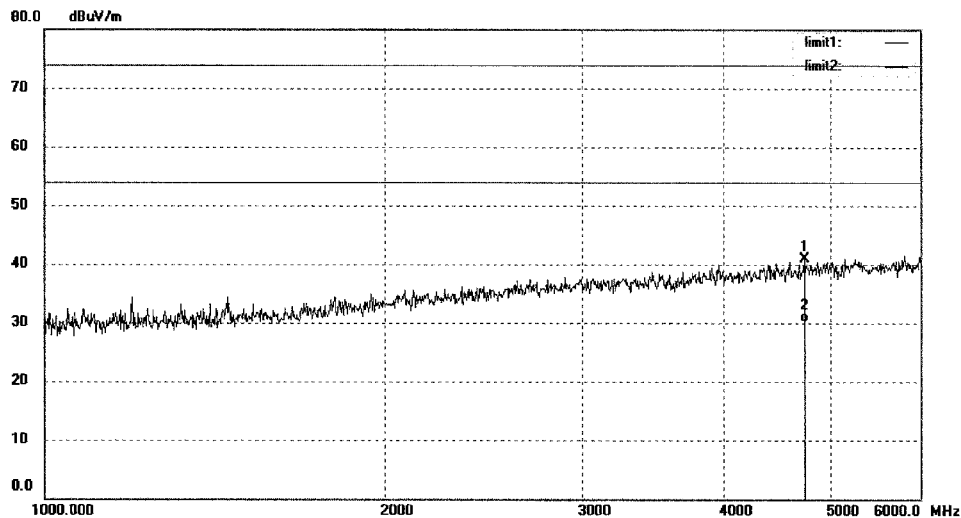

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 Job No.: Ian #3626  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: 2.1CH Sound base  
 Mode: Optical in  
 Model: TT312BT  
 Manufacturer:

 Polarization: Horizontal  
 Power Source: AC 120V/60Hz  
 Date: 2014/08/16  
 Time:  
 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	4729.500	41.55	-0.71	40.84	74.00	-33.16	peak			
2	4729.500	30.84	-0.71	30.13	54.00	-23.87	AVG			


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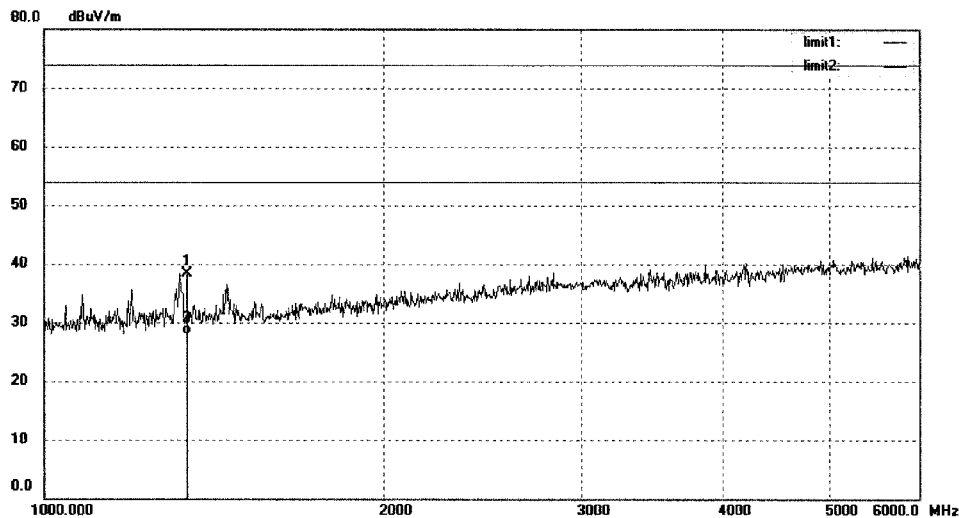
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian #3625  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Optical in  
Model: TT312BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2014/08/16  
Time:  
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	1338.335	50.34	-12.12	38.22	74.00	-35.78	peak			
2	1338.335	39.93	-12.12	27.81	54.00	-26.19	AVG			


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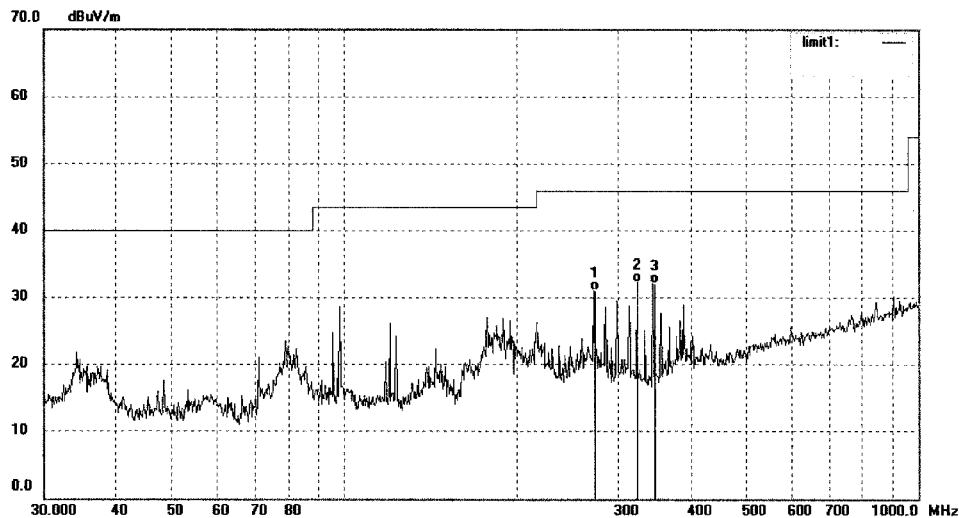
Tel:+86-0755-26503290

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Job No.: LAN2 #17  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Coaxial in  
Model: TT313BT  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	274.5687	41.08	-10.00	31.08	46.00	-14.92	QP			
2	325.5896	40.76	-8.51	32.25	46.00	-13.75	QP			
3	348.6506	39.95	-7.79	32.16	46.00	-13.84	QP			




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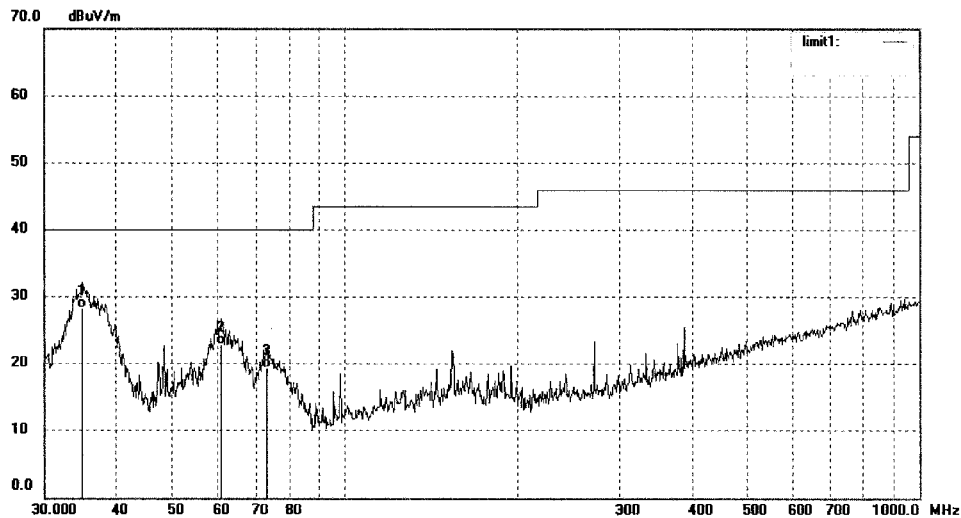
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #18  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Coaxial in  
Model: TT313BT  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	34.8928	38.60	-10.41	28.19	40.00	-11.81	QP			
2	61.0041	37.06	-14.30	22.76	40.00	-17.24	QP			
3	73.2331	35.88	-16.53	19.35	40.00	-20.65	QP			


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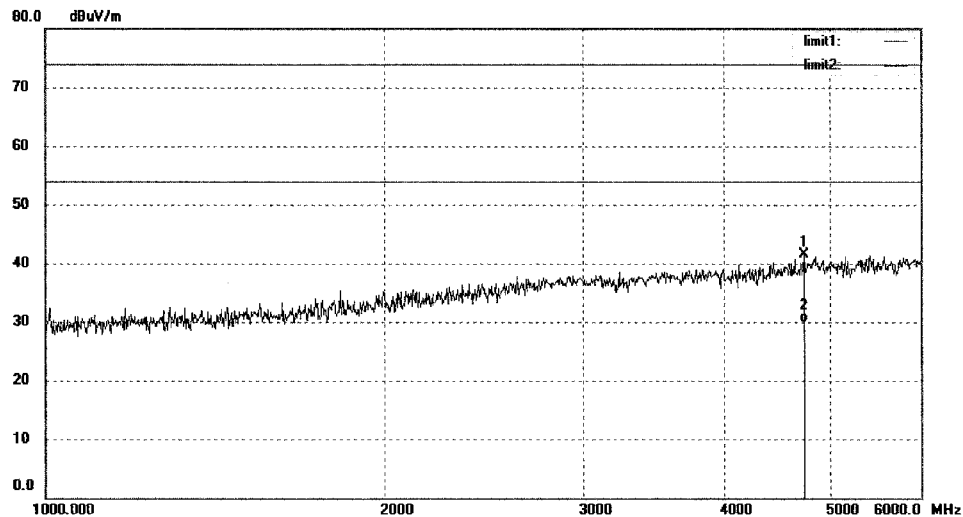
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Job No.: LAN2 #28	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/08/30/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: Coaxial in	Distance: 3m
Model: TT313BT	
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	4729.500	42.30	-0.71	41.59	74.00	-32.41	peak			
2	4729.500	30.56	-0.71	29.85	54.00	-24.15	AVG			


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Job No.: LAN2 #29

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: Coaxial in

Model: TT313BT

Manufacturer:

Polarization: Vertical

Power Source: AC 120V/60Hz

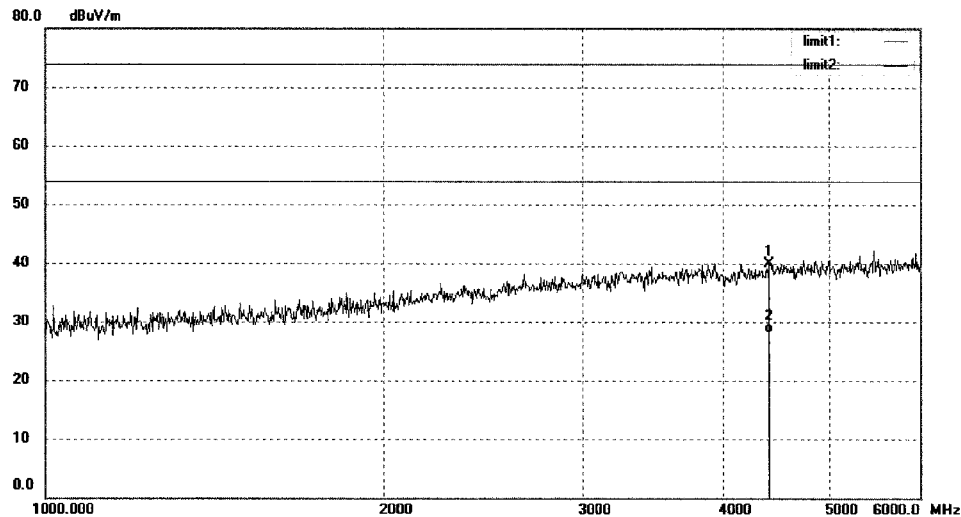
Date: 14/08/30/

Time:

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	4400.493	41.72	-1.72	40.00	74.00	-34.00	peak			
2	4400.493	29.84	-1.72	28.12	54.00	-25.88	AVG			


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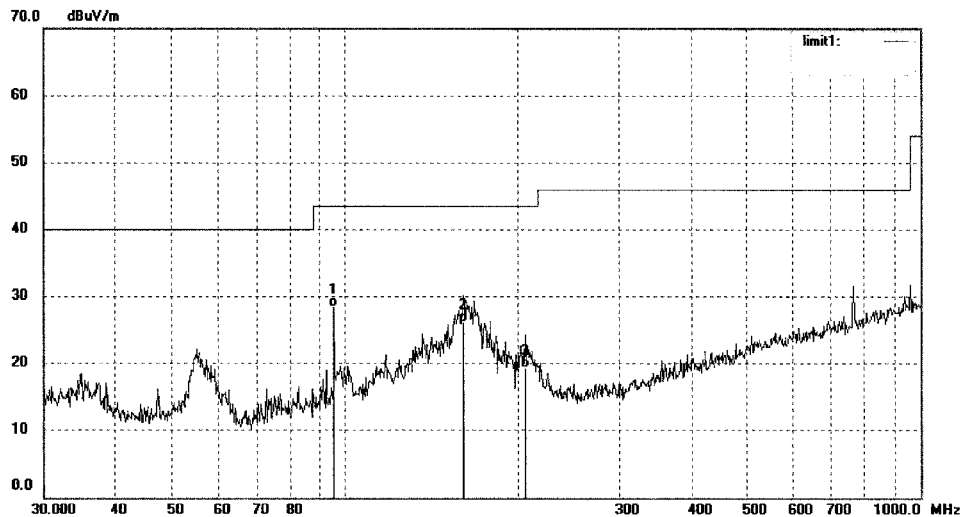
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #20  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Aux in  
Model: TT318  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	96.2485	42.82	-14.40	28.42	43.50	-15.08	QP			
2	160.3209	40.73	-14.54	26.19	43.50	-17.31	QP			
3	205.0243	31.57	-12.28	19.29	43.50	-24.21	QP			


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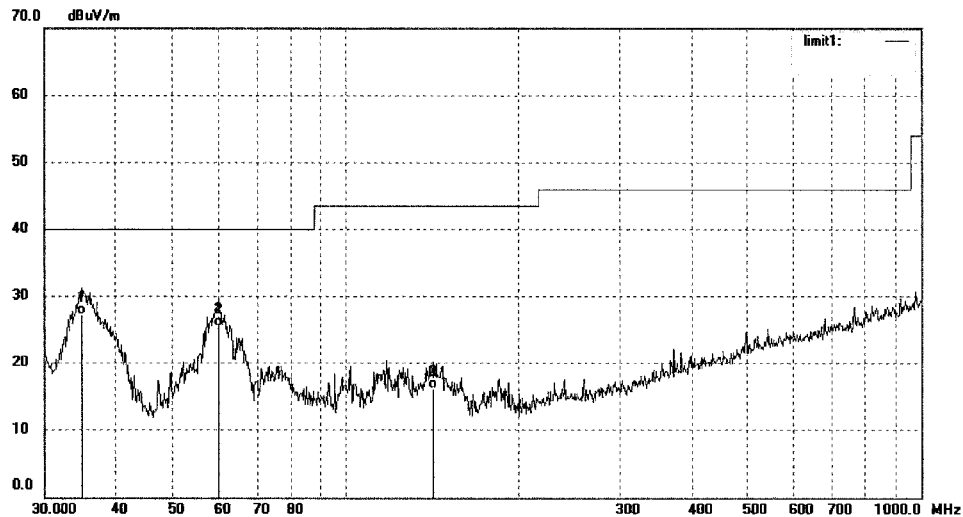
Tel:+86-0755-26503290

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Job No.: LAN2 #19  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Aux in  
Model: TT318  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	34.8928	37.69	-10.41	27.28	40.00	-12.72	QP			
2	59.9418	39.47	-13.93	25.54	40.00	-14.46	QP			
3	141.7693	31.43	-15.23	16.20	43.50	-27.30	QP			


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Job No.: LAN2 #21

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: 2.1CH Sound base

Mode: Mp3 Link

Model: TT318

Manufacturer:

Polarization: Horizontal

Power Source: AC 120V/60Hz

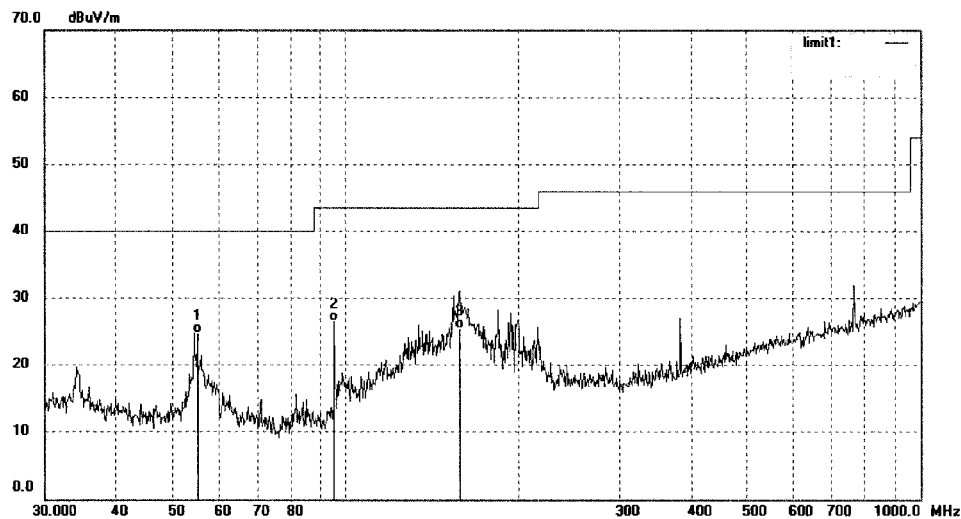
Date: 14/08/30/

Time:

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	55.3255	37.84	-13.04	24.80	40.00	-15.20	QP			
2	96.2485	40.83	-14.40	26.43	43.50	-17.07	QP			
3	158.0835	40.24	-14.75	25.49	43.50	-18.01	QP			


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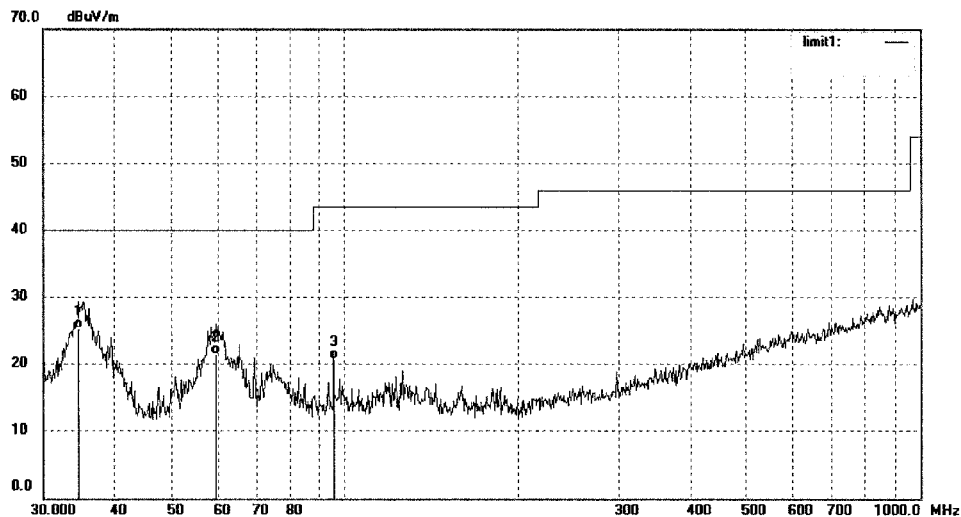
Tel:+86-0755-26503290

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Job No.: LAN2 #22  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Mp3 Link  
Model: TT318  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	34.6484	35.64	-10.39	25.25	40.00	-14.75	QP			
2	59.5219	35.29	-13.85	21.44	40.00	-18.56	QP			
3	96.3850	35.15	-14.34	20.81	43.50	-22.69	QP			


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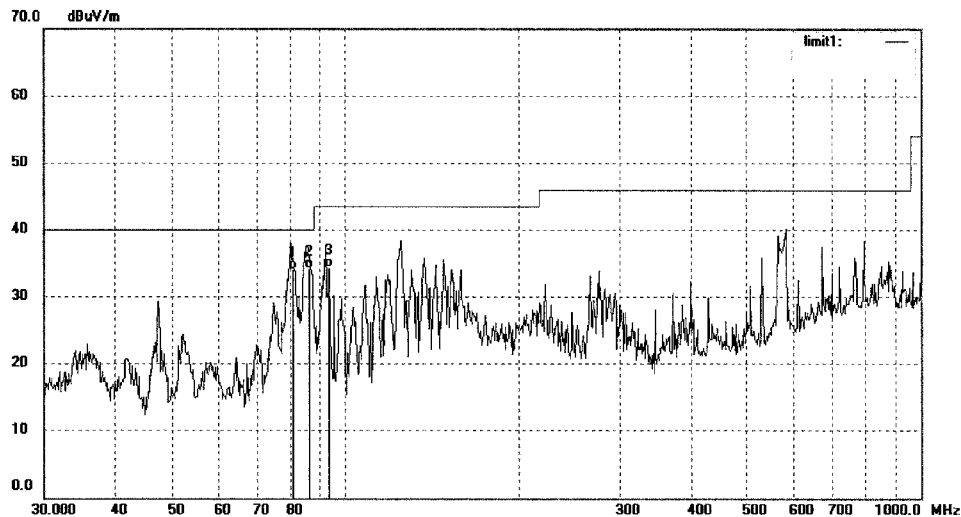
Tel:+86-0755-26503290

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Job No.: LAN2 #27  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: HDMI in  
Model: TT318  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	81.2382	50.24	-16.24	34.00	40.00	-6.00	QP			
2	87.0795	49.42	-15.26	34.16	40.00	-5.84	QP			
3	93.3461	49.36	-14.90	34.46	43.50	-9.04	QP			




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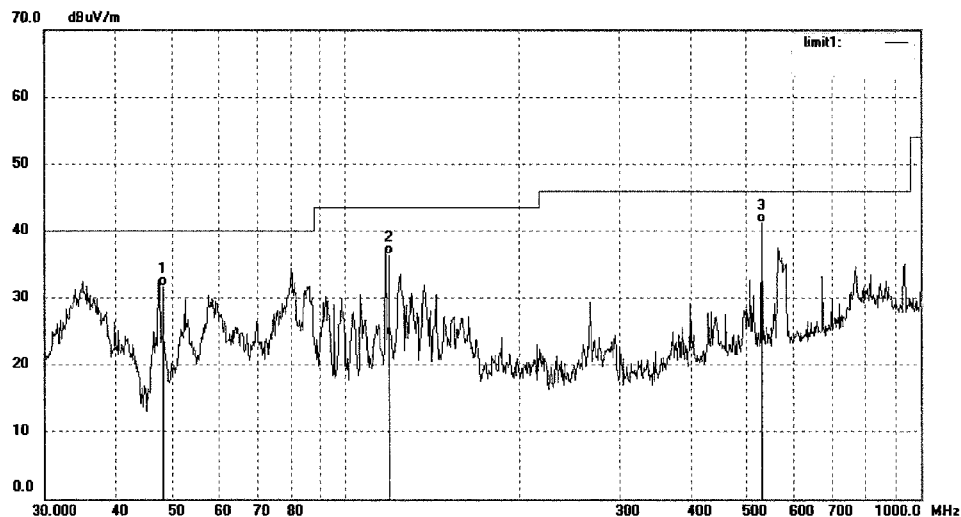
Tel:+86-0755-26503290

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Job No.: LAN2 #25  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: HDMI in  
Model: TT318  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	48.3688	44.34	-12.62	31.72	40.00	-8.28	QP			
2	119.9815	49.62	-13.14	36.48	43.50	-7.02	QP			
3	534.2910	45.26	-3.97	41.29	46.00	-4.71	QP			


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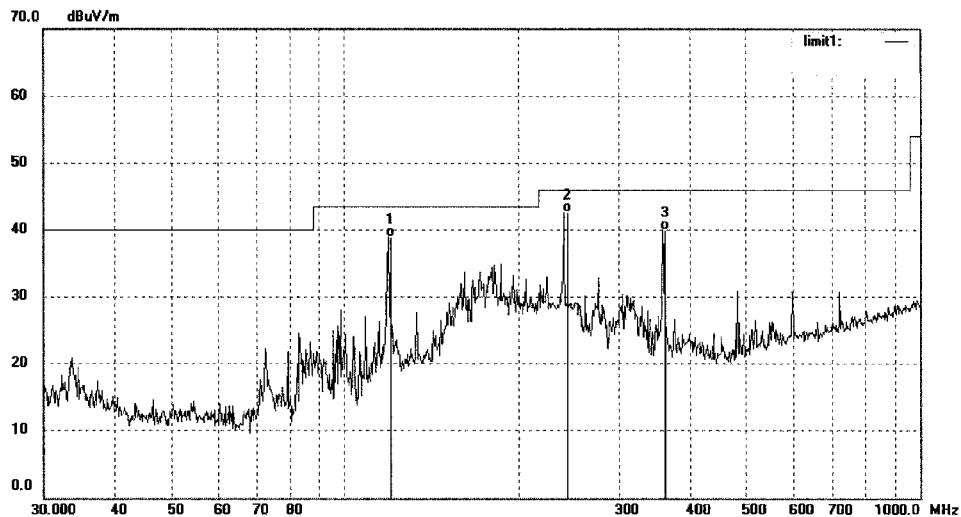
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #24  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Optical in  
Model: TT318  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	121.3471	52.17	-13.31	38.86	43.50	-4.64	QP			
2	243.3020	53.45	-10.82	42.63	46.00	-3.37	QP			
3	364.4497	47.63	-7.58	40.05	46.00	-5.95	QP			


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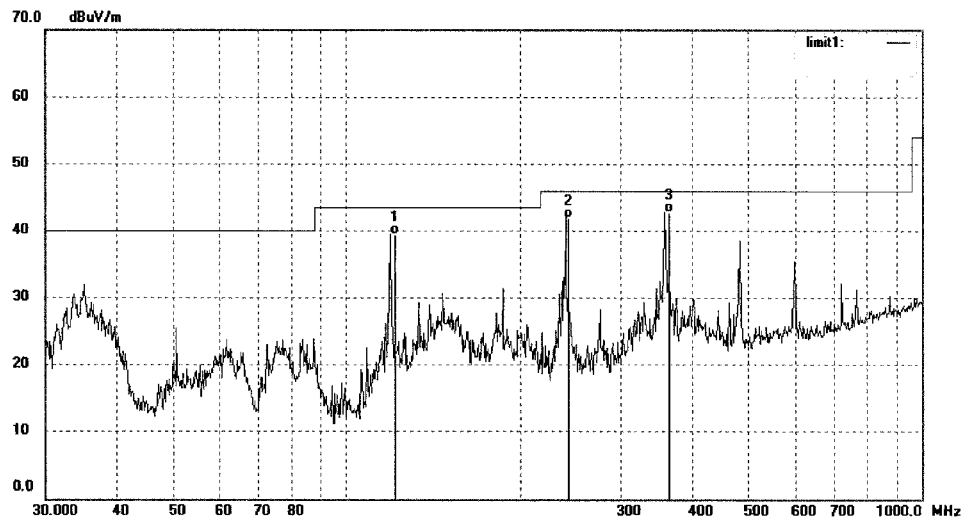
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Job No.: LAN2 #23  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Optical in  
Model: TT318  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	121.5360	52.87	-13.32	39.55	43.50	-3.95	QP			
2	243.0063	52.82	-10.82	42.00	46.00	-4.00	QP			
3	364.1997	50.30	-7.57	42.73	46.00	-3.27	QP			


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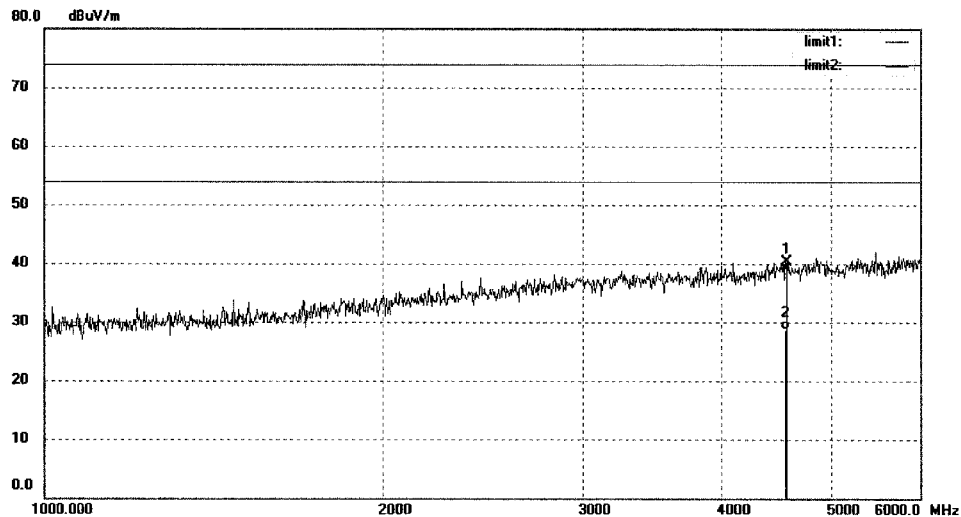
Tel:+86-0755-26503290

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Job No.: LAN2 #31  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Aux in  
Model: TT318  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	4553.816	41.48	-1.22	40.26	74.00	-33.74	peak			
2	4553.816	30.01	-1.22	28.79	54.00	-25.21	AVG			


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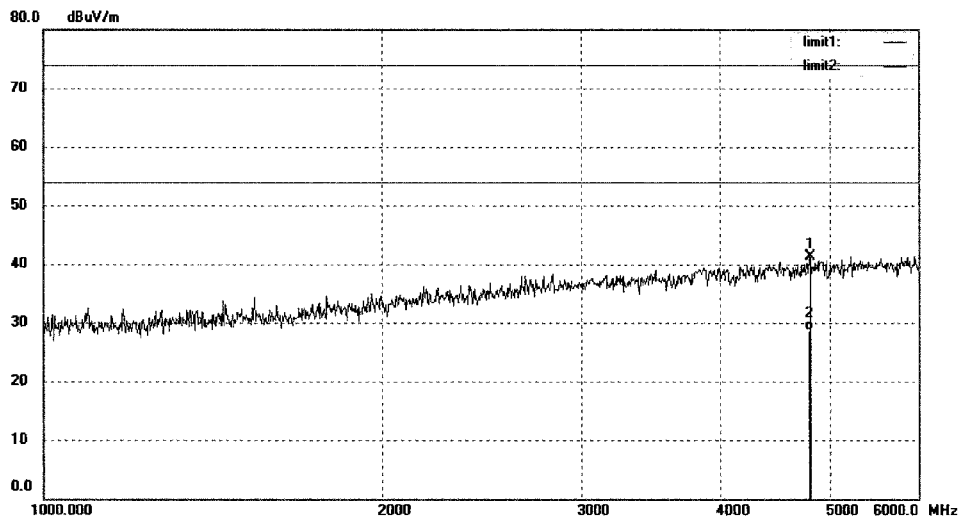
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Job No.: LAN2 #30  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Aux in  
Model: TT318  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	4789.556	41.61	-0.38	41.23	74.00	-32.77	peak			
2	4789.556	29.04	-0.38	28.66	54.00	-25.34	AVG			


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Site: 2# Chamber

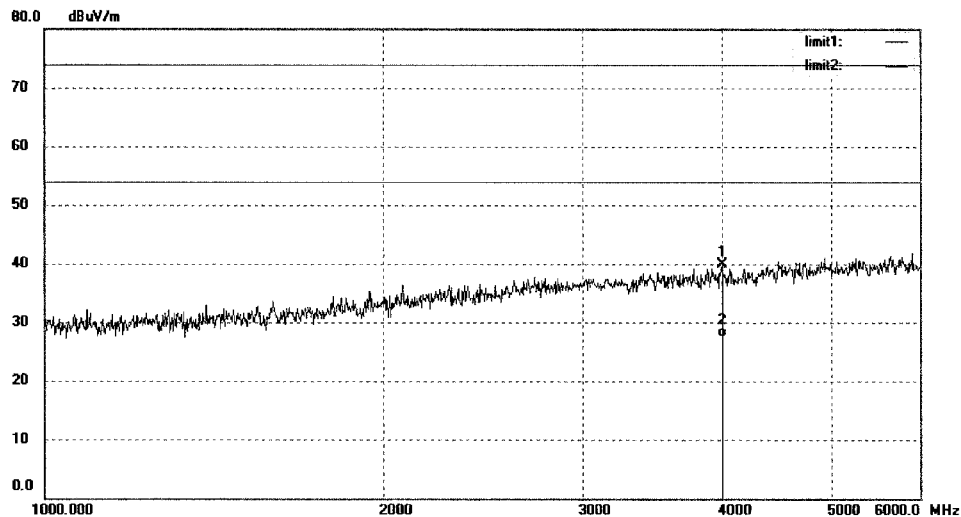
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #32  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Mp3 Link  
Model: TT318  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	3999.543	41.56	-1.60	39.96	74.00	-34.04	peak			
2	3999.543	29.18	-1.60	27.58	54.00	-26.42	AVG			


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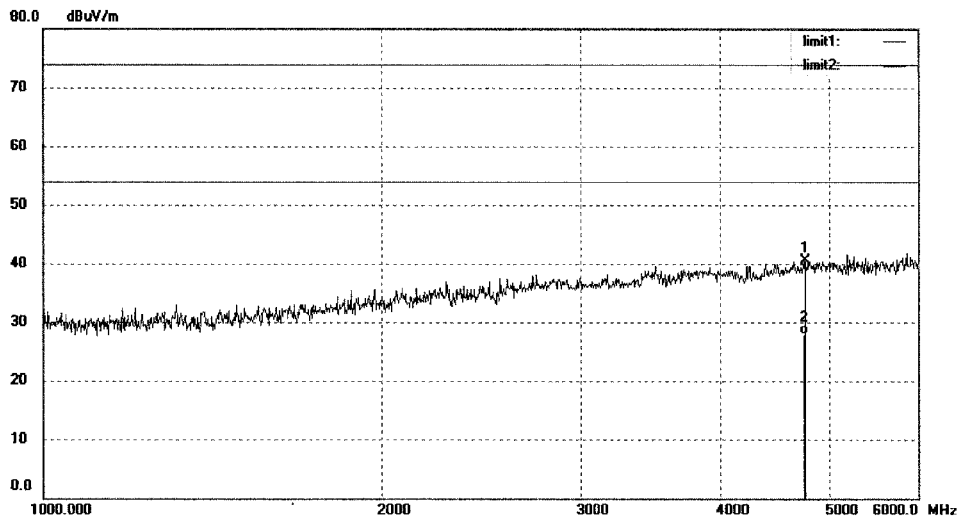
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #33  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Mp3 Link  
Model: TT318  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	4746.582	41.14	-0.62	40.52	74.00	-33.48	peak			
2	4746.582	28.61	-0.62	27.99	54.00	-26.01	AVG			


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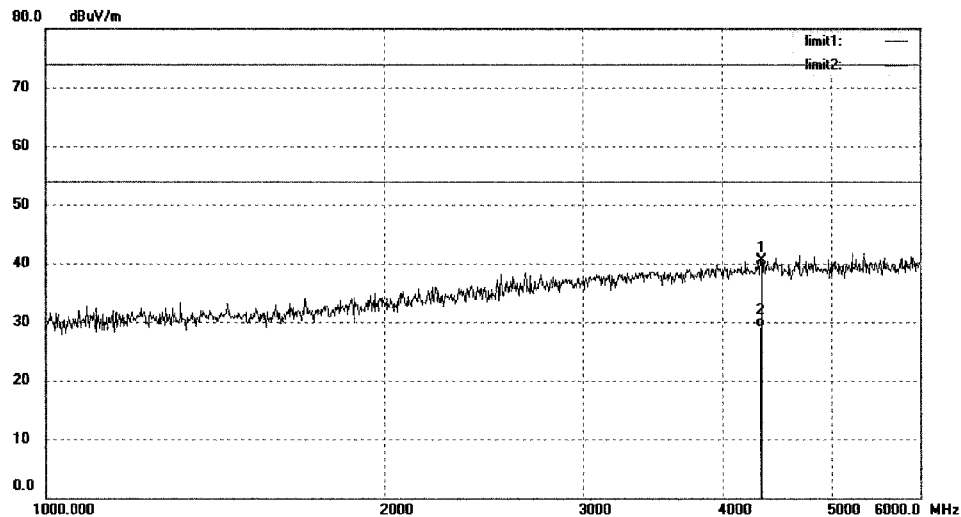
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #36  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: HDMI in  
Model: TT318  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	4321.882	42.51	-1.97	40.54	74.00	-33.46	peak			
2	4321.882	31.05	-1.97	29.08	54.00	-24.92	AVG			




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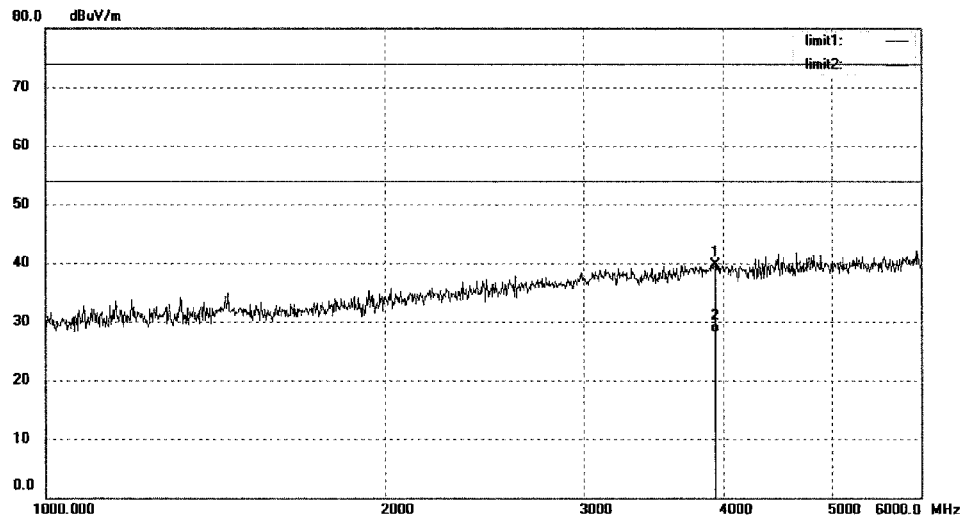
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #37	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 14/08/30/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT: 2.1CH Sound base	Engineer Signature:
Mode: HDMI in	Distance: 3m
Model: TT318	
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	3935.181	41.61	-1.92	39.69	74.00	-34.31	peak			
2	3935.181	30.12	-1.92	28.20	54.00	-25.80	AVG			


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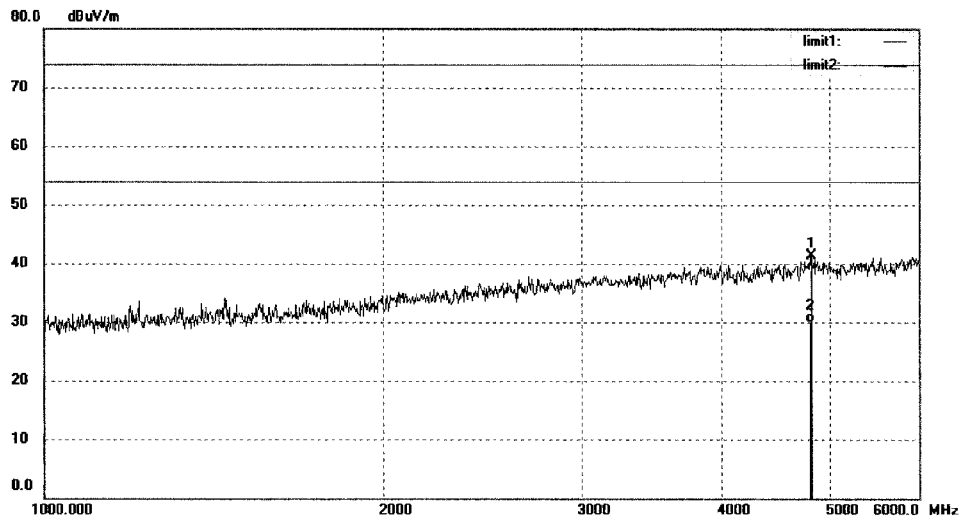
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #35  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Optical in  
Model: TT318  
Manufacturer:

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	4798.197	41.54	-0.32	41.22	74.00	-32.78	peak			
2	4798.197	30.21	-0.32	29.89	54.00	-24.11	AVG			


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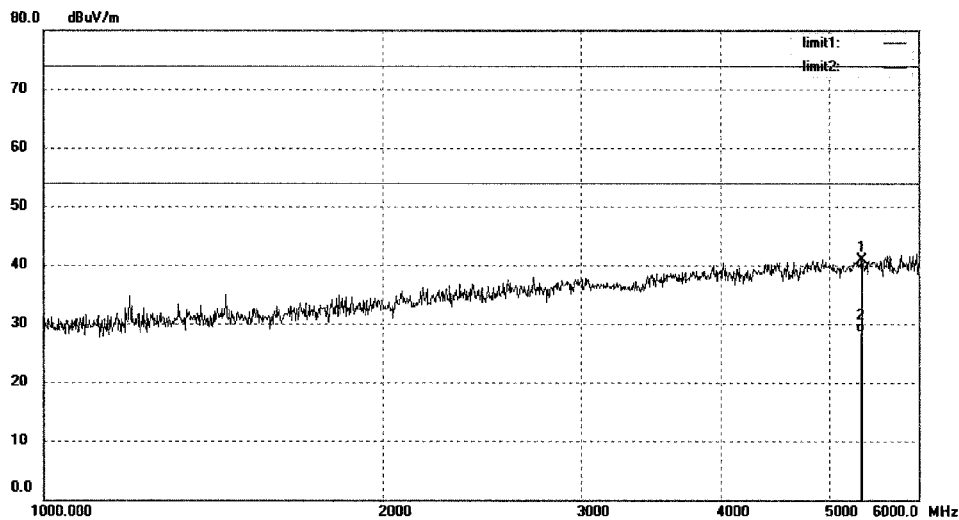
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2 #34  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: 2.1CH Sound base  
Mode: Optical in  
Model: TT318  
Manufacturer:

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 14/08/30/  
Time:  
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	5336.618	39.99	0.89	40.88	74.00	-33.12	peak			
2	5336.618	27.58	0.89	28.47	54.00	-25.53	AVG			

## 6. Safety Human exposure

### 6.1 Radio Frequency Exposure Compliance

#### 6.1.1 Electromagnetic Fields

**RESULT:****Pass**

Test standard : FCC KDB Publication 447498 v05r01

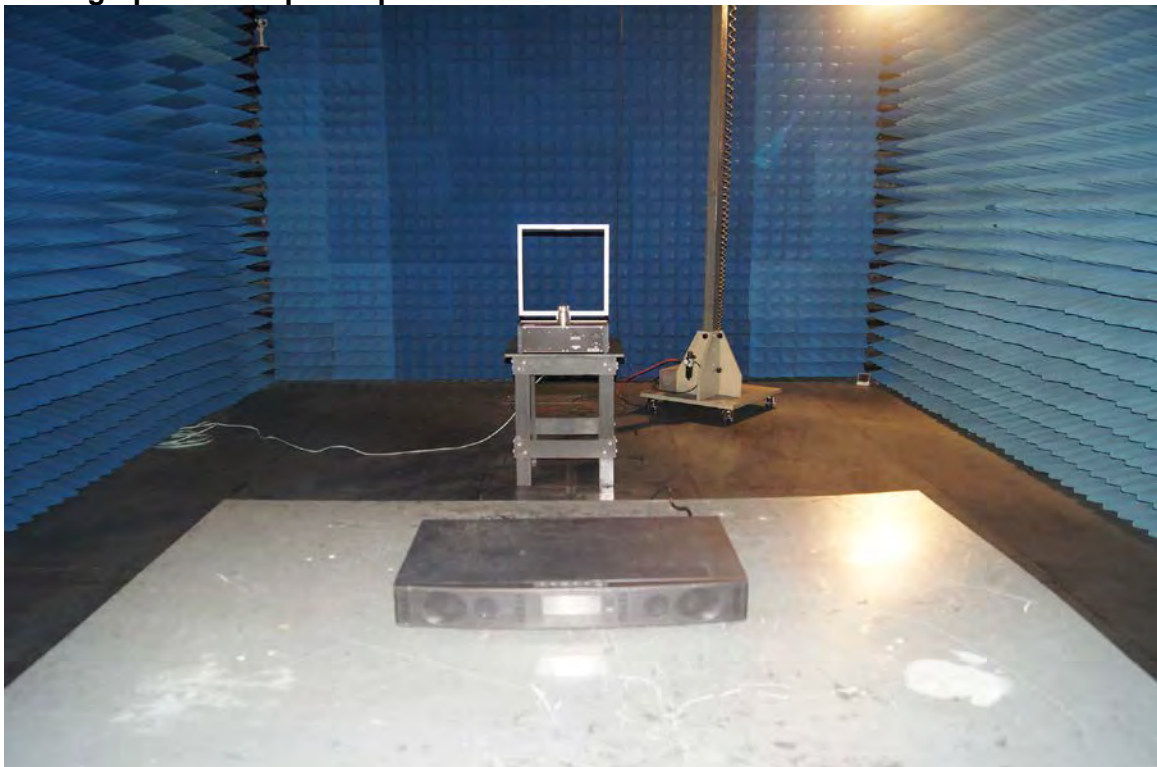
Since maximum peak output power of the transmitter is  $1.22\text{mW} < 96\text{mW}$ , and the distance from EUT to human is  $>50\text{mm}$ , hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure v05r01.

## 7. Photographs of the Test Set-Up

**Photograph 1: Set-up for Conducted Emissions**

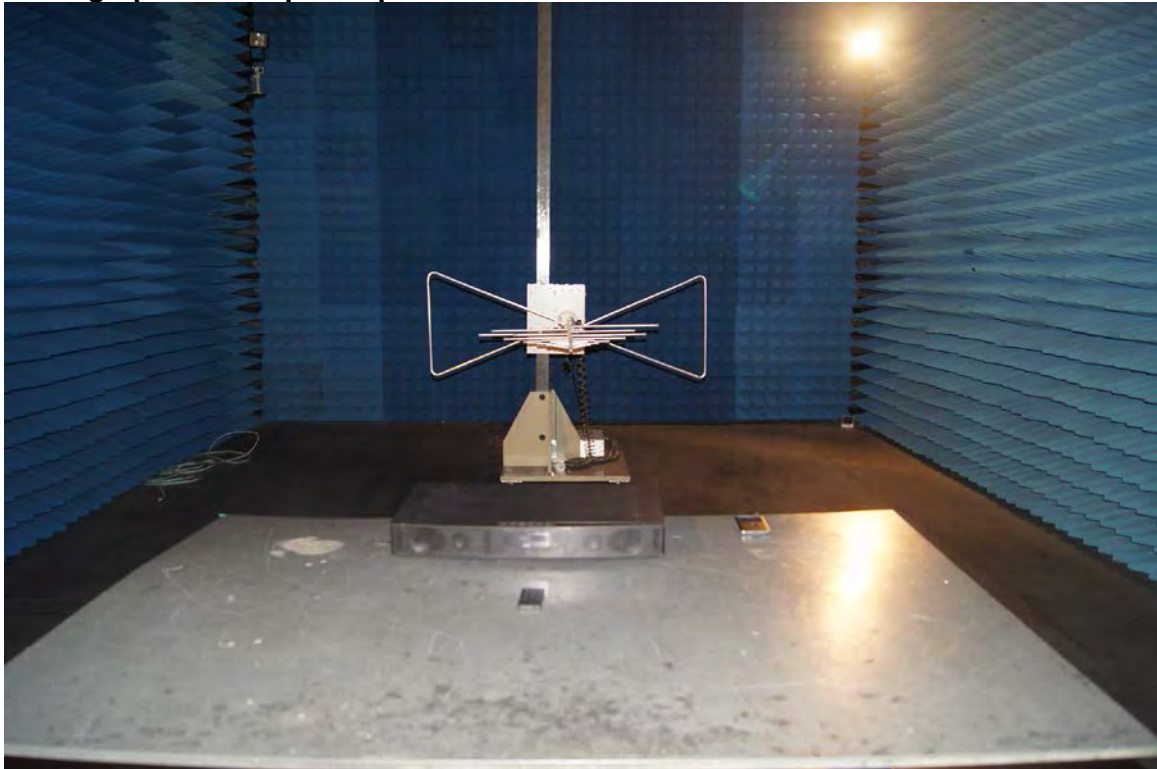


**Photograph 2: Set-up for Spurious Emissions for below 30MHz**

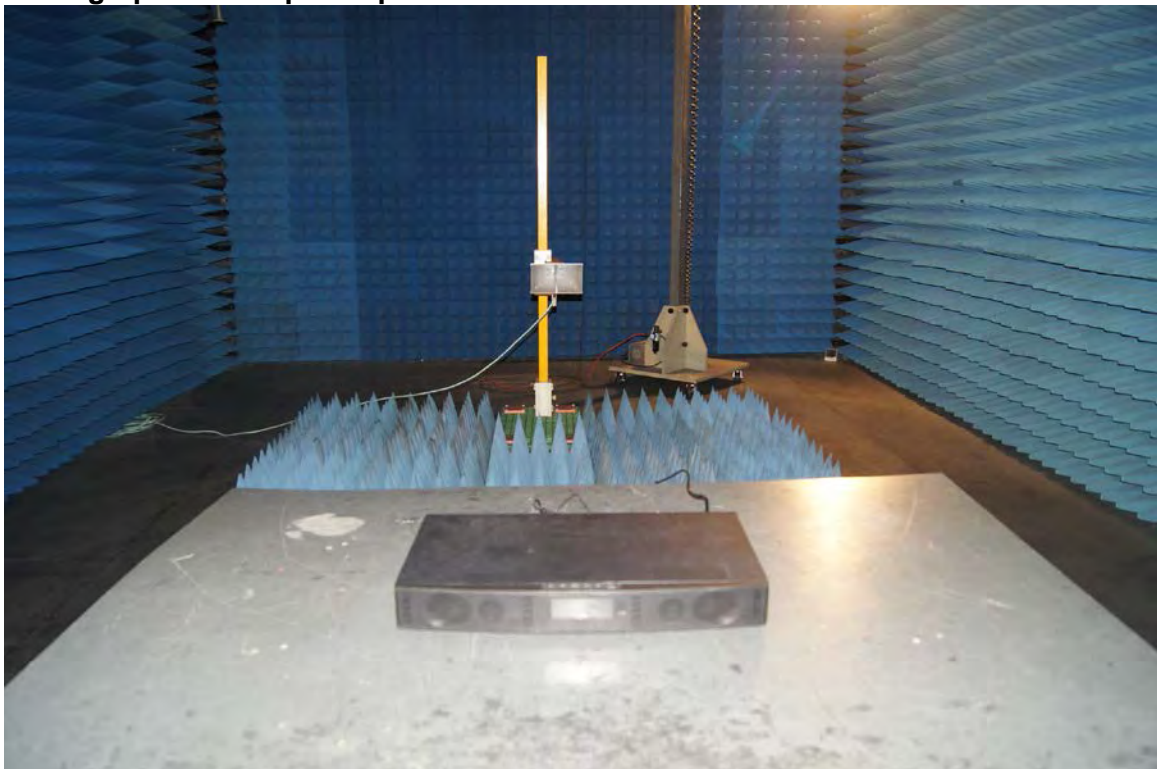




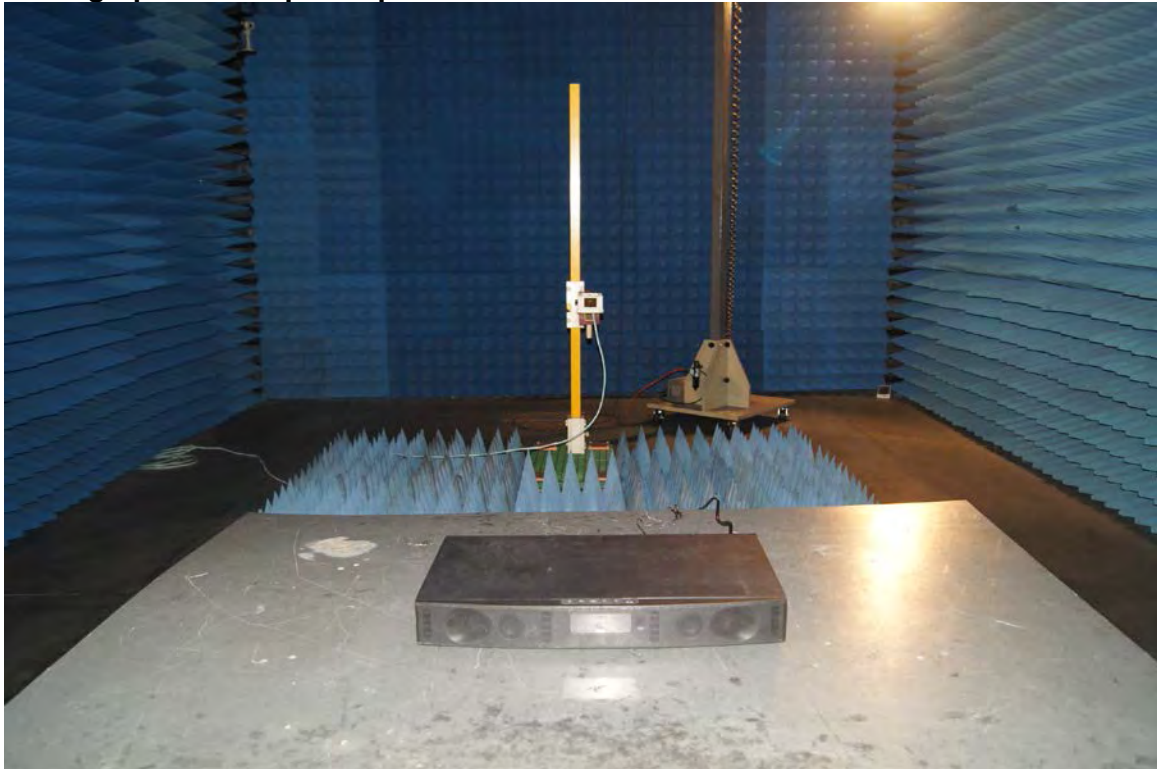
**Photograph 3: Set-up for Spurious Emissions for 30 - 1000MHz**



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



**Photograph 5: Set-up for Spurious Emissions for 18 - 25GHz**



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