

APPLICATION CERTIFICATION FCC Part 15C
On Behalf of
HONG KONG NATURAL SOUND ELECTRONICS LIMITED

MID
Model No.:PC7011, X-Treme 7" Tablet

FCC ID: PWK-PC7011

Prepared for : HONG KONG NATURAL SOUND ELECTRONICS
LIMITED
Address : FLAT/RM M 4/F CONTINENTAL MANSION, 300
KING'S ROAD, HK

Prepared by : ACCURATE TECHNOLOGY CO., LTD
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Report Number : ATE20121899
Date of Test : Aug 16- Sep 7, 2012
Date of Report : Sep 7, 2012

TABLE OF CONTENTS

Description	Page
Test Report Certification	
1. GENERAL INFORMATION	5
1.1. Description of Device (EUT).....	5
1.2. Carrier Frequency of Channels.....	6
1.3. Special Accessory and Auxiliary Equipment	6
1.4. Description of Test Facility	7
1.5. Measurement Uncertainty.....	7
2. MEASURING DEVICE AND TEST EQUIPMENT	8
3. OPERATION OF EUT DURING TESTING	9
3.1. Operating Mode.....	9
3.2. Configuration and peripherals	10
4. TEST PROCEDURES AND RESULTS	11
5. 6DB BANDWIDTH MEASUREMENT.....	12
5.1. Block Diagram of Test Setup.....	12
5.2. The Requirement For Section 15.247(a)(2).....	12
5.3. EUT Configuration on Measurement	12
5.4. Operating Condition of EUT	12
5.5. Test Procedure	13
5.6. Test Result	13
6. MAXIMUM PEAK OUTPUT POWER	27
6.1. Block Diagram of Test Setup.....	27
6.2. The Requirement For Section 15.247(b)(3).....	27
6.3. EUT Configuration on Measurement	27
6.4. Operating Condition of EUT	27
6.5. Test Procedure	28
6.6. Test Result	28
7. POWER SPECTRAL DENSITY MEASUREMENT.....	42
7.1. Block Diagram of Test Setup.....	42
7.2. The Requirement For Section 15.247(e).....	42
7.3. EUT Configuration on Measurement	42
7.4. Operating Condition of EUT	42
7.5. Test Procedure	43
7.6. Test Result	43
8. BAND EDGE COMPLIANCE TEST	57
8.1. Block Diagram of Test Setup.....	57
8.2. The Requirement For Section 15.247(d)	57
8.3. EUT Configuration on Measurement	57
8.4. Operating Condition of EUT	58
8.5. Test Procedure	58
8.6. Test Result	59
9. RADIATED SPURIOUS EMISSION TEST	92
9.1. Block Diagram of Test Setup.....	92
9.2. The Limit For Section 15.247(d)	93
9.3. Restricted bands of operation	93
9.4. Configuration of EUT on Measurement	94

- 9.5. Operating Condition of EUT94
- 9.6. Test Procedure94
- 9.7. The Field Strength of Radiation Emission Measurement Results95
- 10. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST183**
 - 10.1. Block Diagram of Test Setup.....183
 - 10.2. The Requirement For Section 15.247(d)183
 - 10.3. EUT Configuration on Measurement183
 - 10.4. Operating Condition of EUT184
 - 10.5. Test Procedure184
 - 10.6. Test Result184
- 11. AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A) 197**
 - 11.1. Block Diagram of Test Setup.....197
 - 11.2. The Emission Limit197
 - 11.3. Configuration of EUT on Measurement198
 - 11.4. Operating Condition of EUT198
 - 11.5. Test Procedure198
 - 11.6. Power Line Conducted Emission Measurement Results199
- 12. ANTENNA REQUIREMENT.....202**
 - 12.1. The Requirement202
 - 12.2. Antenna Construction202

Test Report Certification

Applicant : HONG KONG NATURAL SOUND ELECTRONICS LIMITED

Manufacturer : ShenZhen Natural Sound Electronics Co., Ltd

EUT Description : MID

(A) MODEL NO.: PC7011, X-Treme 7" Tablet

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: DC 3.7V (Li-polymer battery) & AC 120V/60Hz
(Adapter input)

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247

ANSI C63.4: 2009

KDB 558074 D01 DTS Meas Guidance v01

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test : Aug 16-Sep 7, 2012

Prepared by : Terry. Yang
(Engineer)

Approved & Authorized Signer : [Signature]
(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	MID
Model Number	:	PC7011, X-Treme 7" Tablet
		Note: These models are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement. So we prepare PC7011 for test only
Frequency Range	:	802.11b/g/n(20MHz): 2412-2462MHz 802.11n(40MHz): 2422-2452MHz
Number of Channels	:	802.11b/g/n (20MHz):11 802.11n (40MHz): 7
Antenna Gain	:	2.5dBi
Power Supply	:	DC 3.7V (Li-polymer battery) & AC 120V/60Hz (Adapter input)
Adapter	:	Model number: AHZ050200-A03 Input: 100-240VAC 0.5A 50/60Hz Output: 5V 2000mA
Data Rate	:	802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: up to 150Mbps
Applicant	:	HONG KONG NATURAL SOUND ELECTRONICS LIMITED
Address	:	FLAT/RM M 4/F CONTINENTAL MANSION, 300 KING'S ROAD, HK
Manufacturer	:	ShenZhen Natural Sound Electronics Co., Ltd
Address	:	4 th building, Xinyuan industrial zone, Gushu village, Bao`an district, Shenzhen, China
Date of sample received	:	Aug 16, 2012
Date of Test	:	Aug 16-Sep 7, 2012

1.2. Carrier Frequency of Channels

802.11b, 802.11g, 802.11n (20MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	11	2462
06	2437	---	---

802.11n (40MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
---	---	07	2442
---	---	08	2447
03	2422	09	2452
04	2427	---	---
05	2432	---	---
06	2437	---	---

1.3. Special Accessory and Auxiliary Equipment

N/A

1.4. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC
The Registration Number is 752051

Listed by Industry Canada
The Registration Number is 5077A-2

Accredited by China National Accreditation Committee
for Laboratories
The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD
Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.
Science & Industry Park, Nanshan, Shenzhen, Guangdong
P.R. China

1.5. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty
(9kHz-30MHz) = 3.08dB, k=2

Radiated emission expanded uncertainty
(30MHz-1000MHz) = 4.42dB, k=2

Radiated emission expanded uncertainty
(Above 1GHz) = 4.06dB, k=2

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 8, 2012	Jan. 7, 2013
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 8, 2012	Jan. 7, 2013
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 8, 2012	Jan. 7, 2013
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 8, 2012	Jan. 7, 2013
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 8, 2012	Jan. 7, 2013
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 8, 2012	Jan. 7, 2013
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 8, 2012	Jan. 7, 2013
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 8, 2012	Jan. 7, 2013
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 8, 2012	Jan. 7, 2013

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: **802.11b Transmitting mode**

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

802.11g Transmitting mode

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

802.11n (20MHz) Transmitting mode

Low Channel: 2412MHz

Middle Channel: 2437MHz

High Channel: 2462MHz

802.11n (40MHz) Transmitting mode

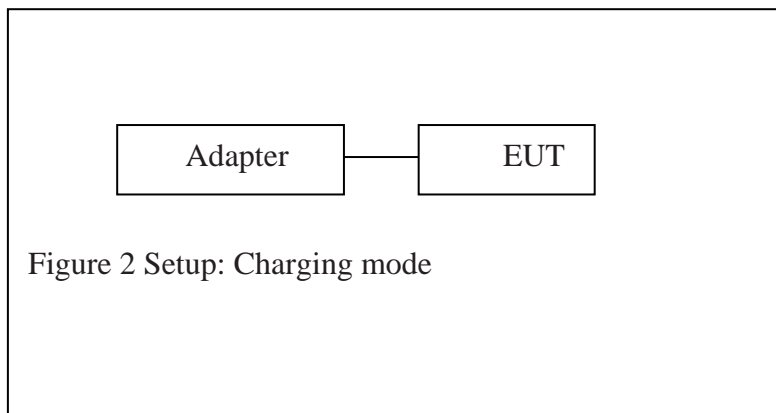
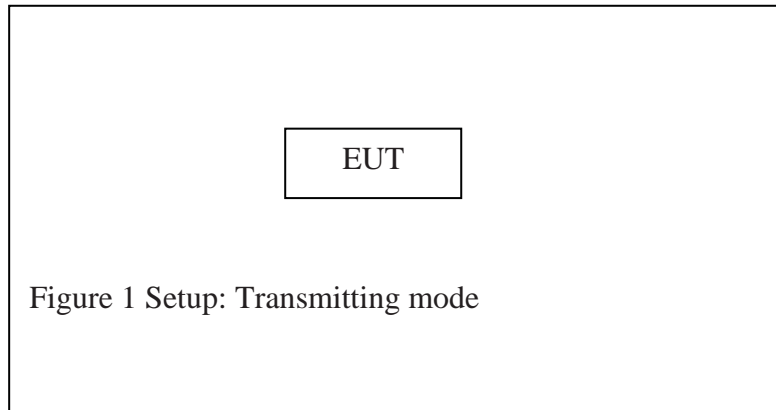
Low Channel: 2422MHz

Middle Channel: 2437MHz

High Channel: 2452MHz

Charging

3.2.Configuration and peripherals

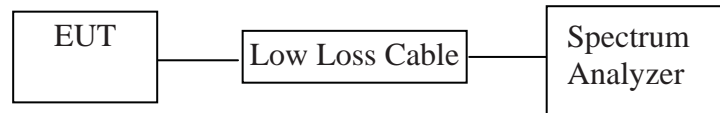


4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.247(a)(2)	6dB Bandwidth Test	Compliant
Section 15.247(e)	Power Spectral Density Test	Compliant
Section 15.247(b)(3)	Maximum Peak Output Power Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	Compliant
Section 15.247(d)	Conducted Spurious Emission Test	Compliant
Section 15.207	AC Power Line Conducted Emission Test	Compliant
Section 15.203	Antenna Requirement	Compliant

5. 6DB BANDWIDTH MEASUREMENT

5.1. Block Diagram of Test Setup



(EUT: MID)

5.2. The Requirement For Section 15.247(a)(2)

Section 15.247(a)(2): Systems using digital modulation techniques may operate in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

5.3. EUT Configuration on Measurement

The following equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1. MID (EUT)

Model Number	:	PC7011
Serial Number	:	N/A
Manufacturer	:	Shenzhen Natural Sound Electronics Co., Ltd

5.4. Operating Condition of EUT

5.4.1. Setup the EUT and simulator as shown as Section 5.1.

5.4.2. Turn on the power of all equipment.

5.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

5.5. Test Procedure

5.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

5.5.2. Set RBW of spectrum analyzer to 300 kHz and VBW to 1000 kHz.

5.5.3. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

5.6. Test Result

PASS.

Date of Test:	<u>Aug 30, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u></u>

The test was performed with 802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	10.24	> 0.5MHz
Middle	2437	10.24	> 0.5MHz
High	2462	10.24	> 0.5MHz

The test was performed with 802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	16.56	> 0.5MHz
Middle	2437	16.64	> 0.5MHz
High	2462	16.64	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 20 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2412	17.88	> 0.5MHz
Middle	2437	17.84	> 0.5MHz
High	2462	17.84	> 0.5MHz

The test was performed with 802.11n (Bandwidth: 40 MHz)			
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Low	2422	36.72	> 0.5MHz
Middle	2437	36.72	> 0.5MHz
High	2452	36.56	> 0.5MHz

The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz

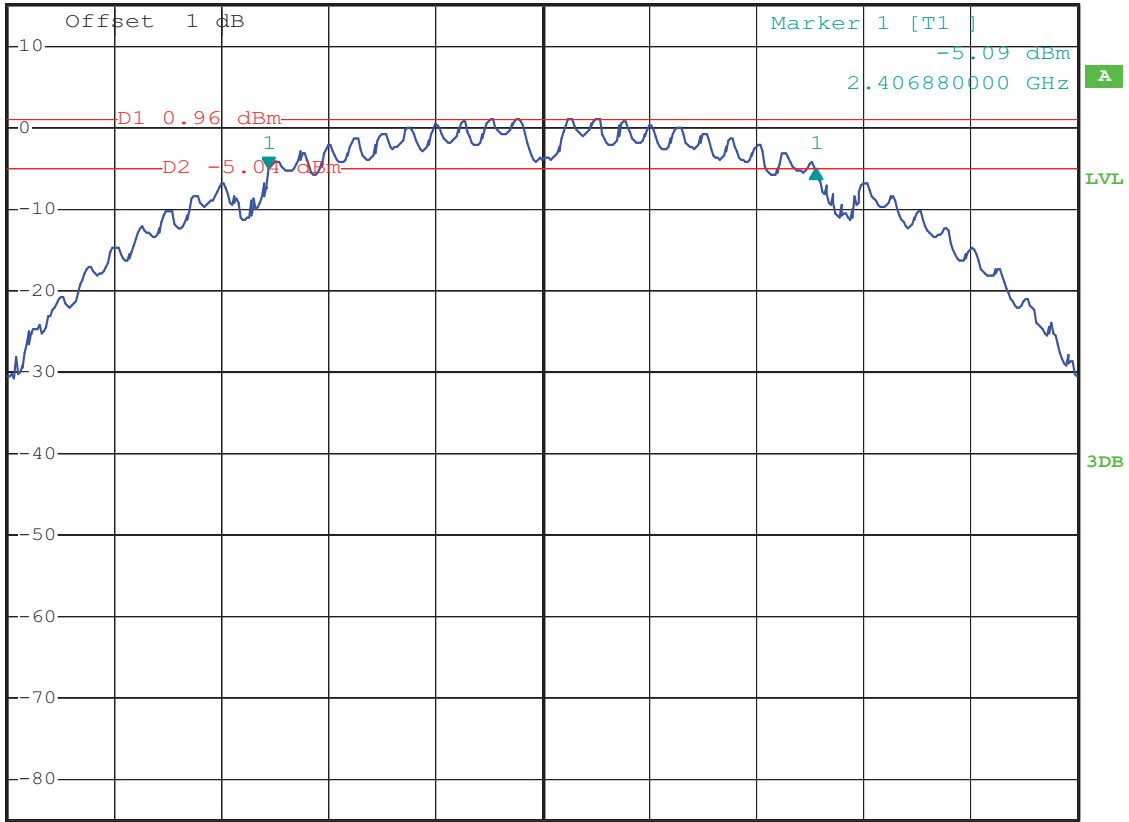


*RBW 300 kHz Delta 1 [T1]
*VBW 1 MHz 0.08 dB
SWT 2.5 ms 10.240000000 MHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.412 GHz

2 MHz/

Span 20 MHz

802.11b Channel High 2462MHz

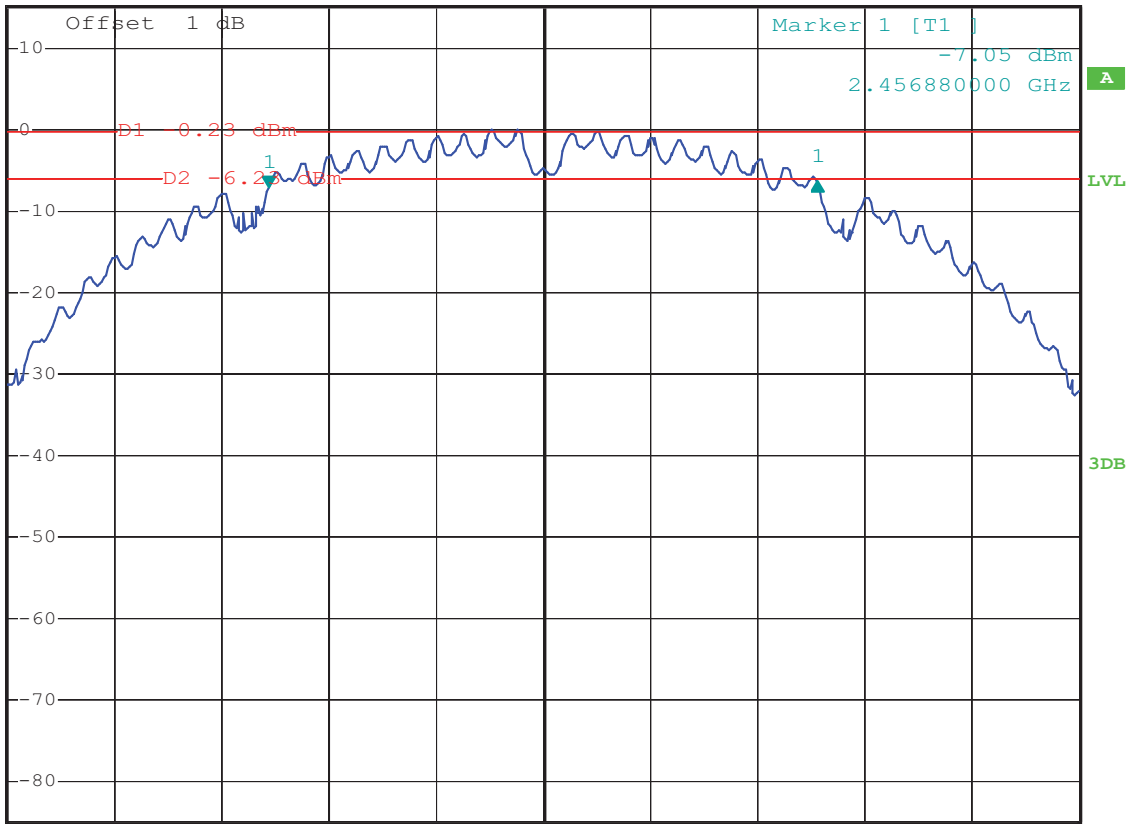


*RBW 300 kHz Delta 1 [T1]
*VBW 1 MHz 0.75 dB
SWT 2.5 ms 10.24000000 MHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.462 GHz

2 MHz/

Span 20 MHz

802.11g Channel Low 2412MHz

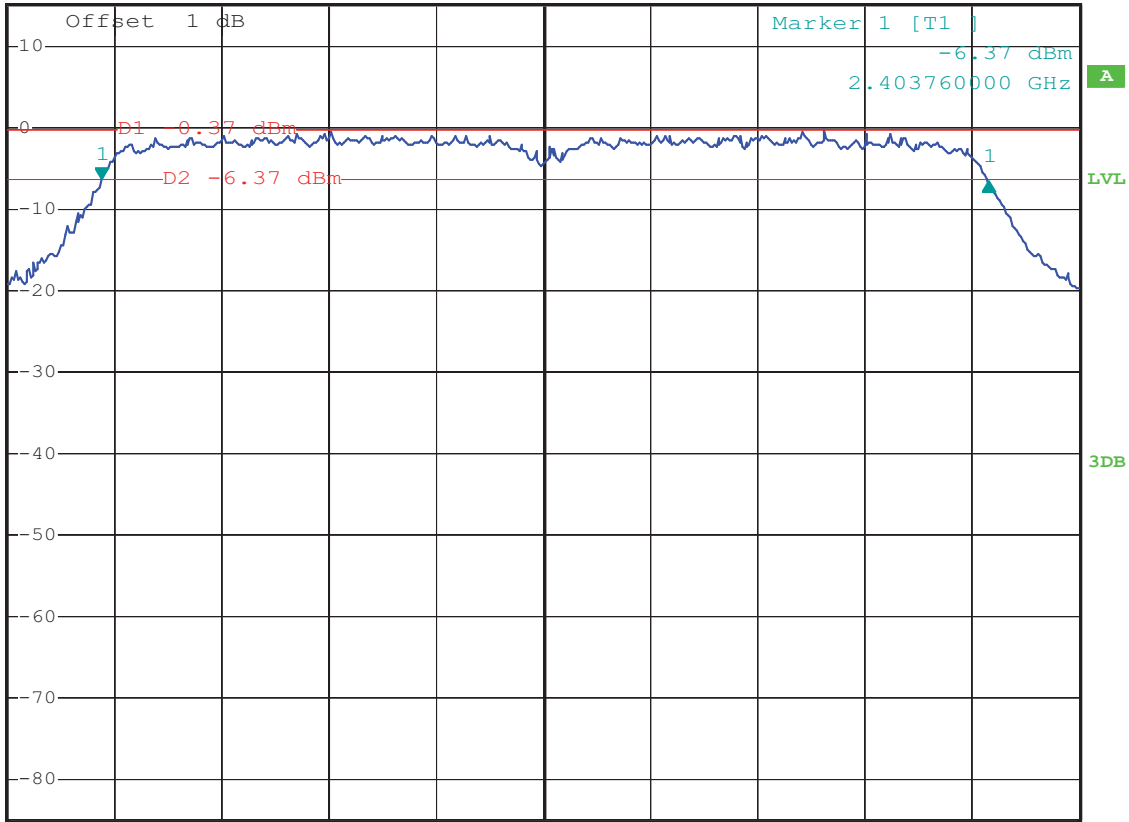


*RBW 300 kHz Delta 1 [T1]
*VBW 1 MHz -0.40 dB
SWT 2.5 ms 16.56000000 MHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.412 GHz

2 MHz/

Span 20 MHz

802.11g Channel Middle 2437MHz

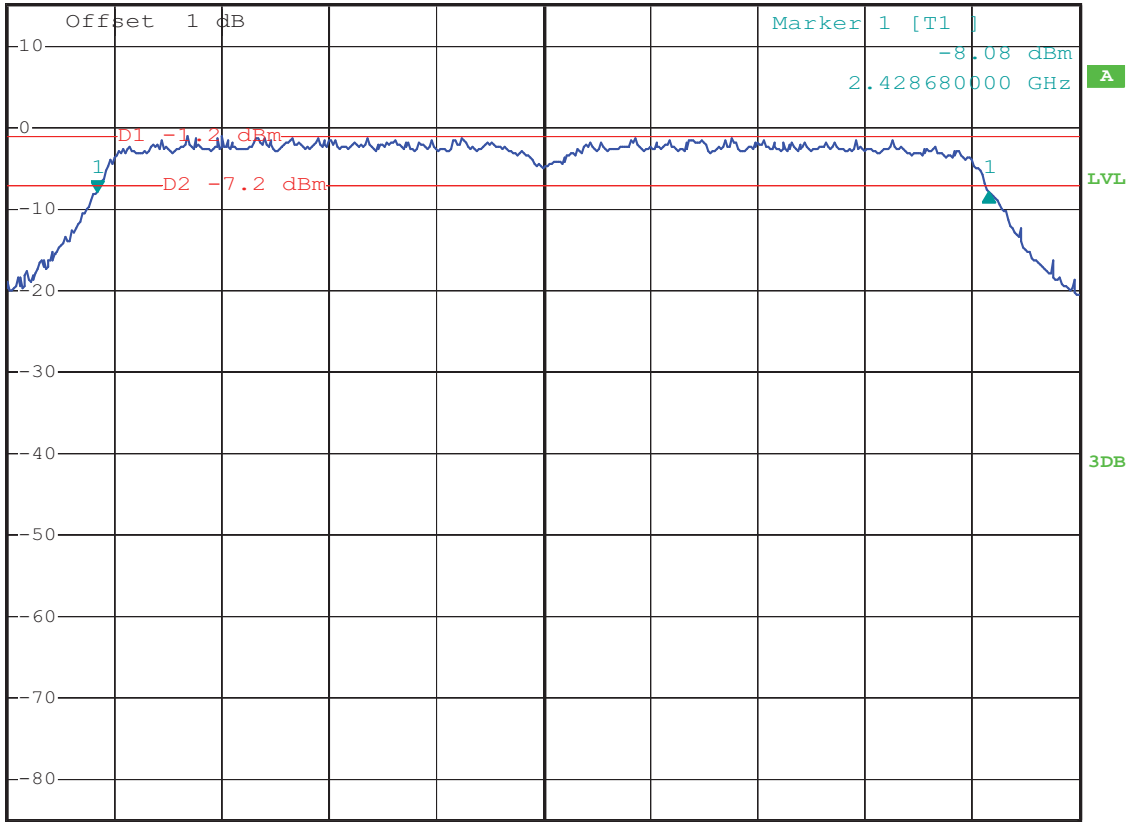


*RBW 300 kHz Delta 1 [T1]
*VBW 1 MHz 0.18 dB
SWT 2.5 ms 16.64000000 MHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.437 GHz

2 MHz/

Span 20 MHz

802.11g Channel High 2462MHz

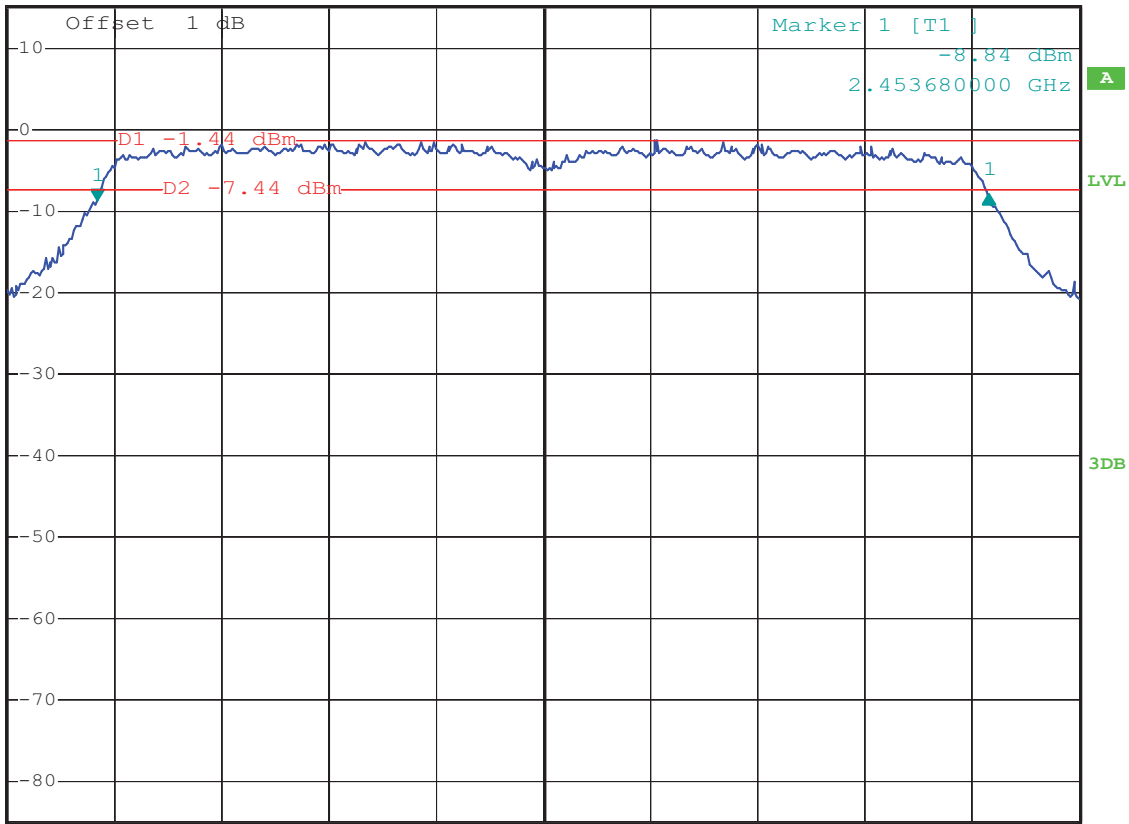


*RBW 300 kHz Delta 1 [T1]
*VBW 1 MHz 0.82 dB
SWT 2.5 ms 16.64000000 MHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.462 GHz

2 MHz/

Span 20 MHz

802.11n Channel High 2462MHz (20MHz)

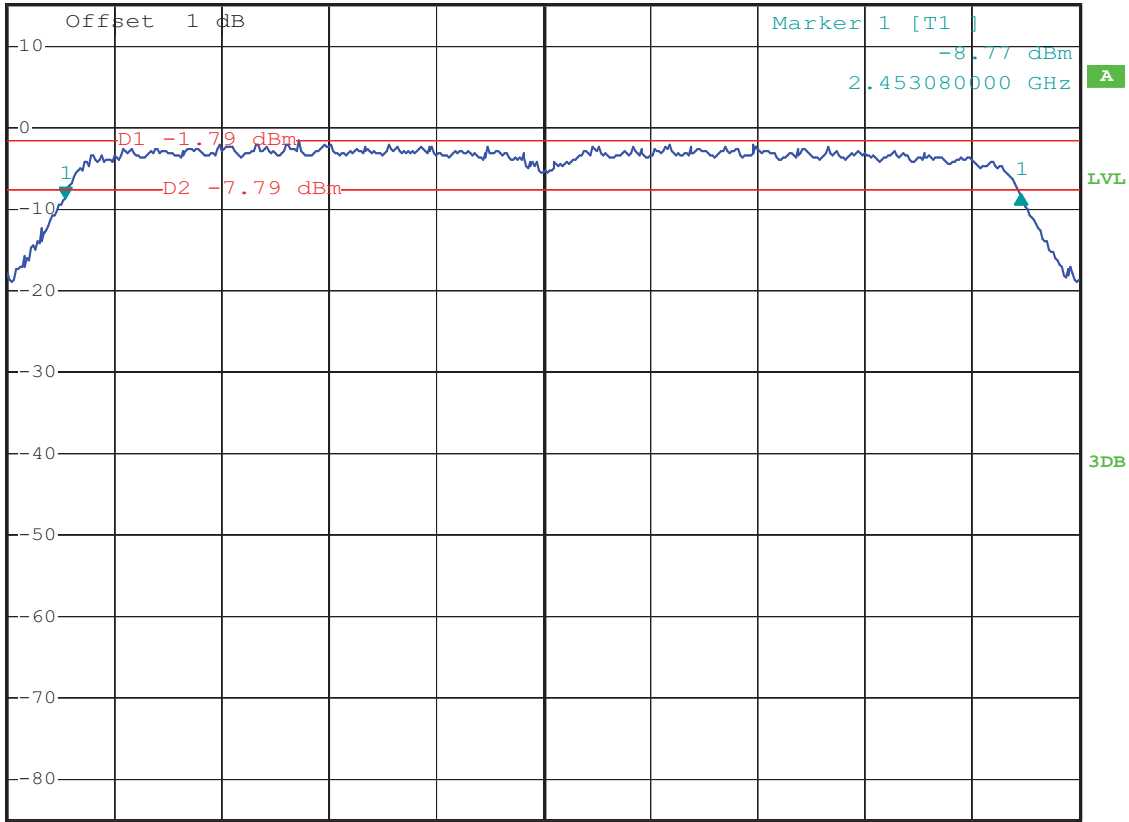


*RBW 300 kHz Delta 1 [T1]
*VBW 1 MHz 0.60 dB
SWT 2.5 ms 17.84000000 MHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.462 GHz

2 MHz/

Span 20 MHz

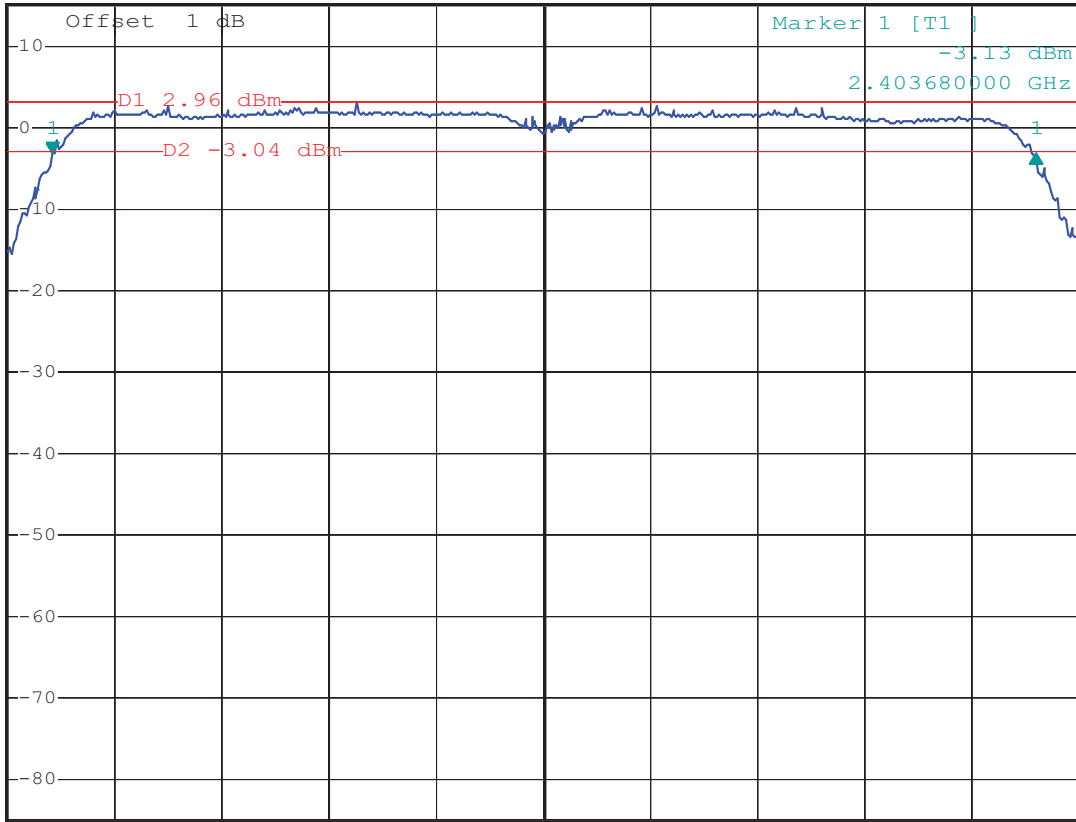
802.11n Channel Low 2422MHz (40MHz)



*RBW 1 MHz Delta 1 [T1]
*VBW 3 MHz -0.13 dB
SWT 2.5 ms 36.72000000 MHz

Ref 15 dBm

*Att 40 dB



Center 2.422 GHz

4 MHz/

Span 40 MHz

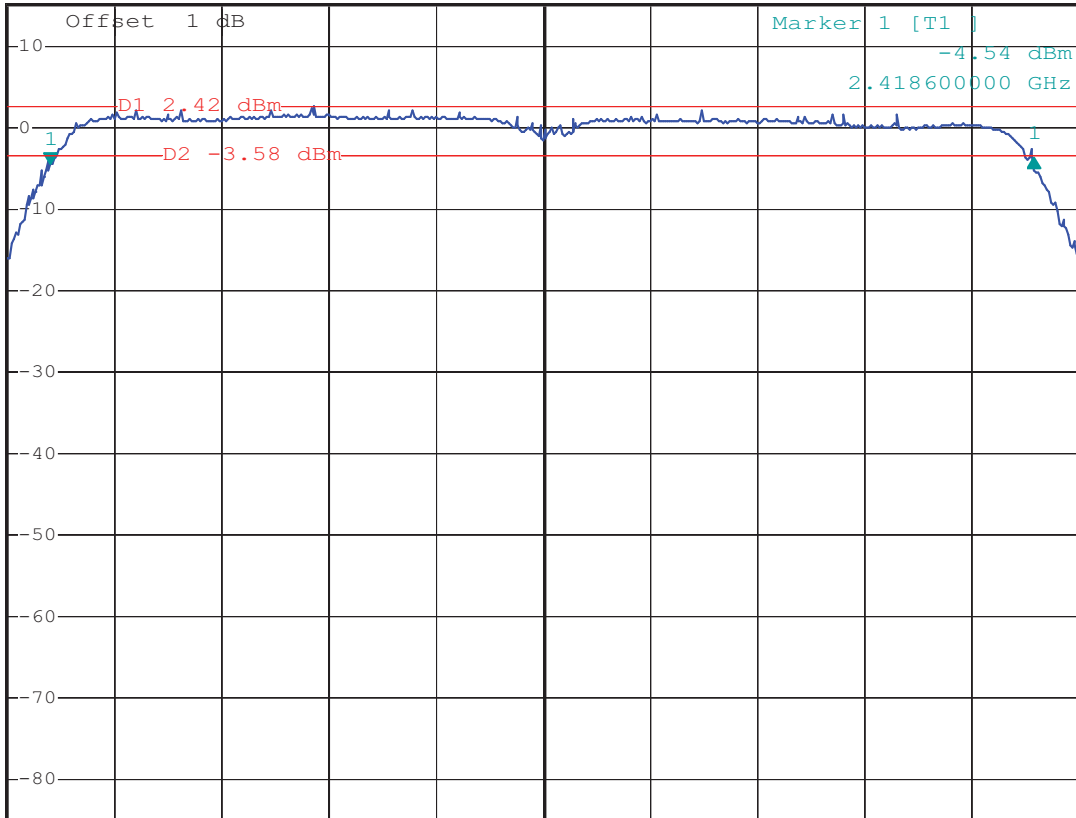
802.11n Channel Middle 2437MHz (40MHz)



*RBW 1 MHz Delta 1 [T1]
*VBW 3 MHz 0.73 dB
SWT 2.5 ms 36.72000000 MHz

Ref 15 dBm

*Att 40 dB



Center 2.437 GHz

4 MHz/

Span 40 MHz

6. MAXIMUM PEAK OUTPUT POWER

6.1. Block Diagram of Test Setup



(EUT: MID)

6.2. The Requirement For Section 15.247(b)(3)

Section 15.247(b)(3): For systems using digital modulation in the 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz bands: 1 Watt.

6.3. EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.3.1. MID(EUT)

Model Number	:	PC7011
Serial Number	:	N/A
Manufacturer	:	ShenZhen Natural Sound Electronics Co., Ltd

6.4. Operating Condition of EUT

6.4.1. Setup the EUT and simulator as shown as Section 6.1.

6.4.2. Turn on the power of all equipment.

6.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

6.5. Test Procedure

6.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

6.5.2. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz.

6.5.3. Measurement the maximum peak output power.

6.6. Test Result

PASS.

Date of Test:	<u>Aug 30, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Bob</u>

The test was performed with 802.11b				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	9.19	8.30	30 dBm / 1 W
Middle	2437	8.80	7.59	30 dBm / 1 W
High	2462	8.10	6.46	30 dBm / 1 W

The test was performed with 802.11g				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	8.92	7.80	30 dBm / 1 W
Middle	2437	8.64	7.31	30 dBm / 1 W
High	2462	8.00	6.31	30 dBm / 1 W

The test was performed with 802.11n (20MHz)				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2412	9.10	8.13	30 dBm / 1 W
Middle	2437	8.52	7.11	30 dBm / 1 W
High	2462	7.94	6.22	30 dBm / 1 W

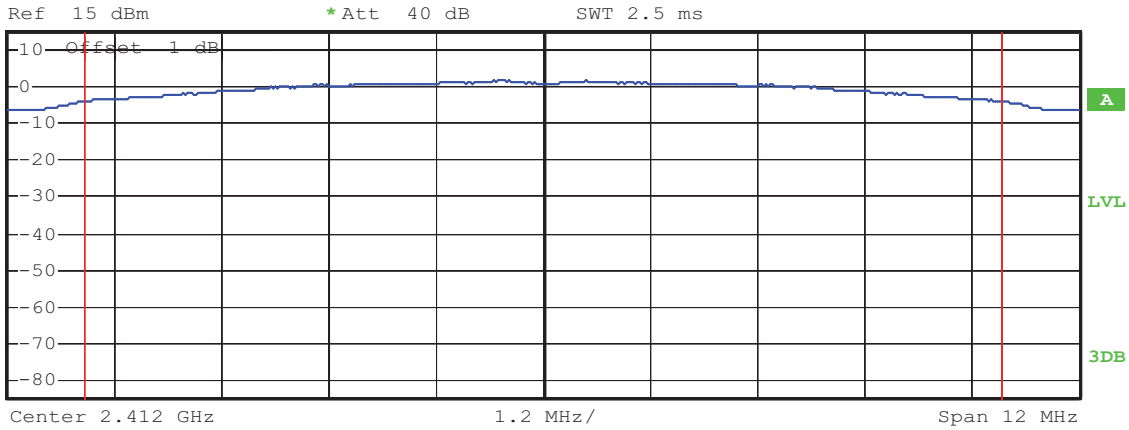
The test was performed with 802.11n (40MHz)				
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2422	9.52	8.95	30 dBm / 1 W
Middle	2437	8.97	7.89	30 dBm / 1 W
High	2452	8.63	7.29	30 dBm / 1 W

The spectrum analyzer plots are attached as below.

802.11b Channel Low 2412MHz



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



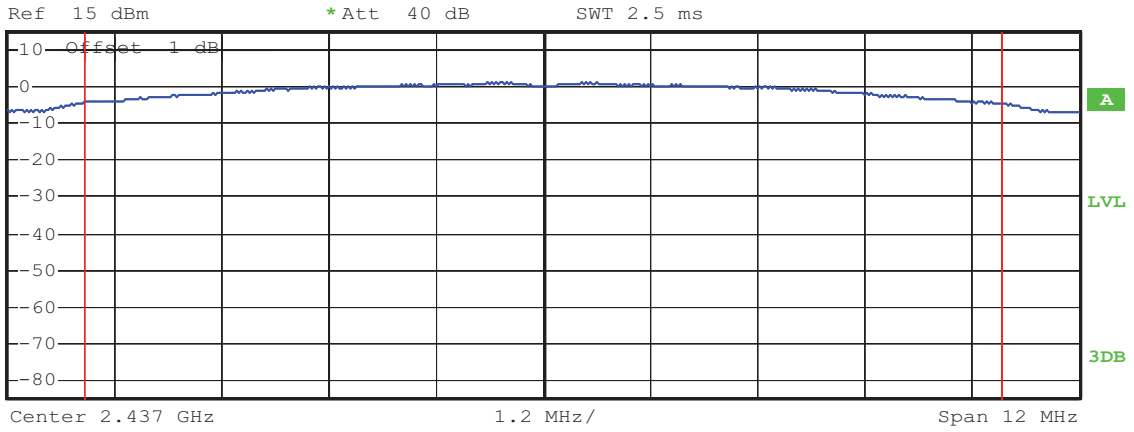
Tx Channel

Bandwidth 10.24 MHz Power 9.19 dBm

802.11b Channel Middle 2437MHz



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



Tx Channel

Bandwidth

10.24 MHz

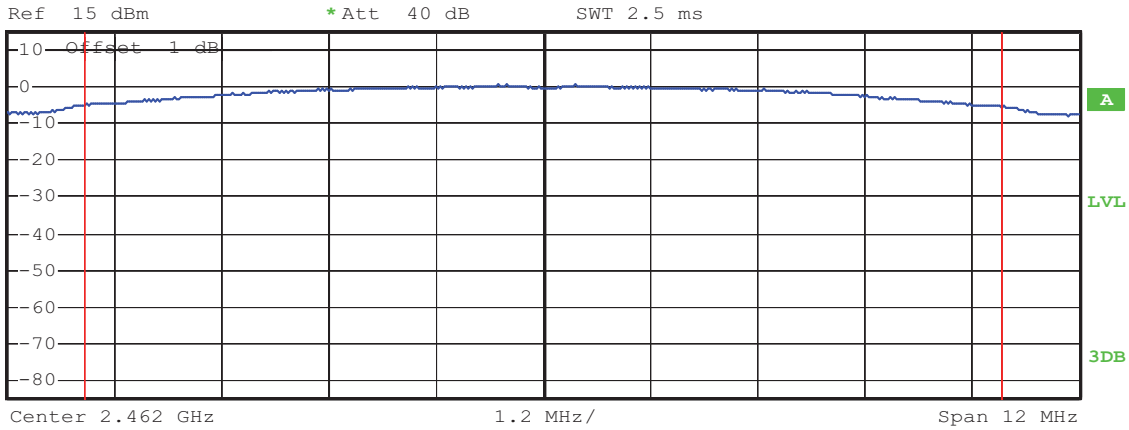
Power

8.80 dBm

802.11b Channel High 2462MHz



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



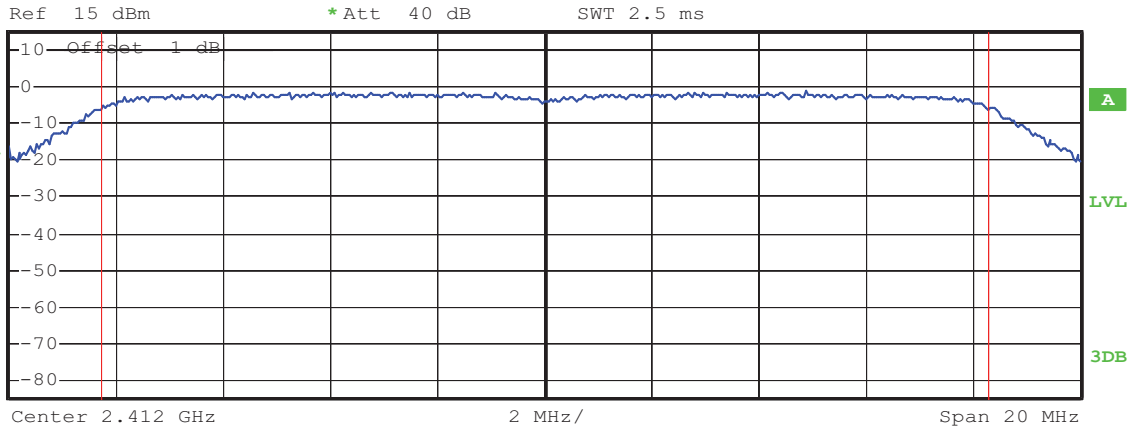
Tx Channel

Bandwidth 10.24 MHz Power 8.10 dBm

802.11g Channel Low 2412MHz



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



Tx Channel

Bandwidth

16.56 MHz

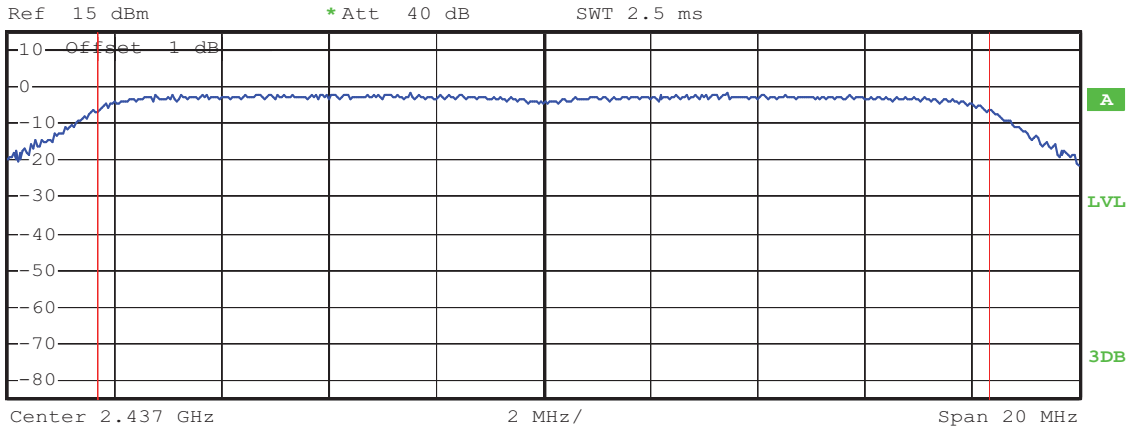
Power

8.92 dBm

802.11g Channel Middle 2437MHz



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



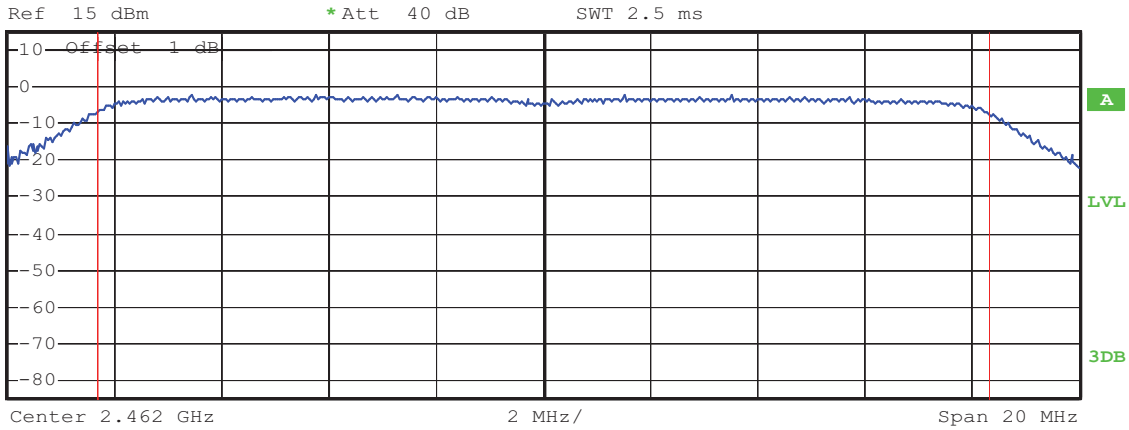
Tx Channel

Bandwidth 16.64 MHz Power 8.64 dBm

802.11g Channel High 2462MHz



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



Tx Channel

Bandwidth

16.64 MHz

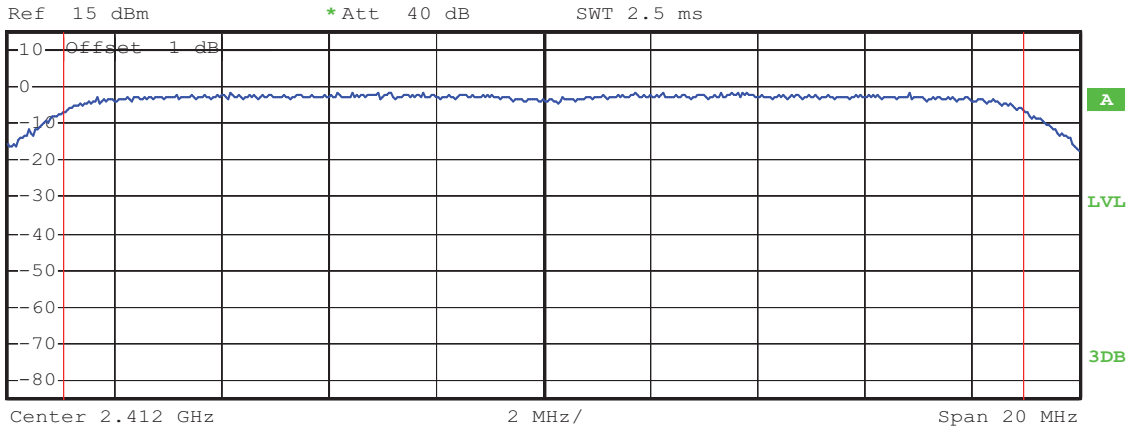
Power

8.00 dBm

802.11n Channel Low 2412MHz (20MHz)



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



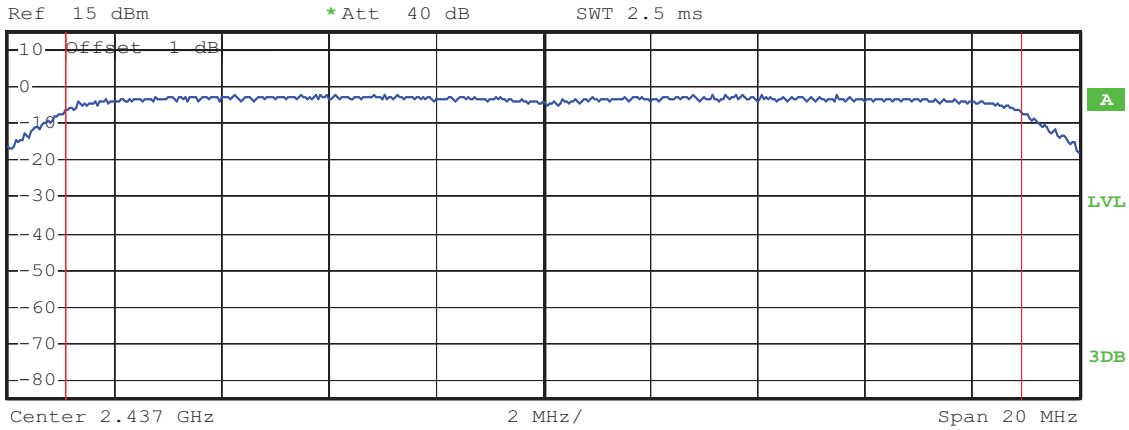
Tx Channel

Bandwidth 17.88 MHz Power 9.10 dBm

802.11n Channel Middle 2437MHz (20MHz)



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



Tx Channel

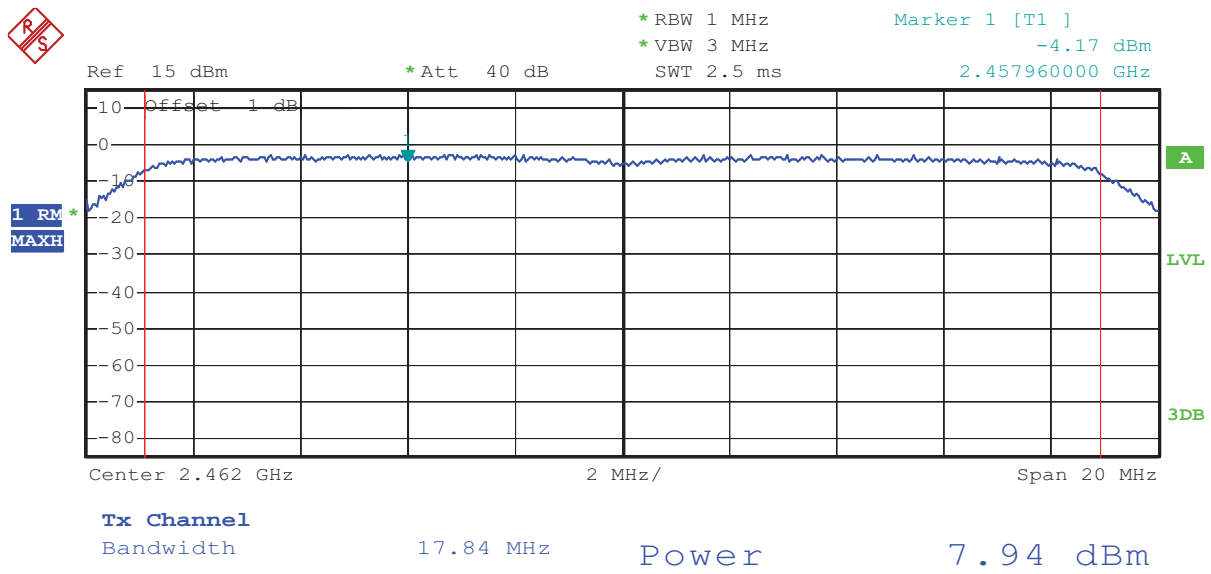
Bandwidth

17.84 MHz

Power

8.52 dBm

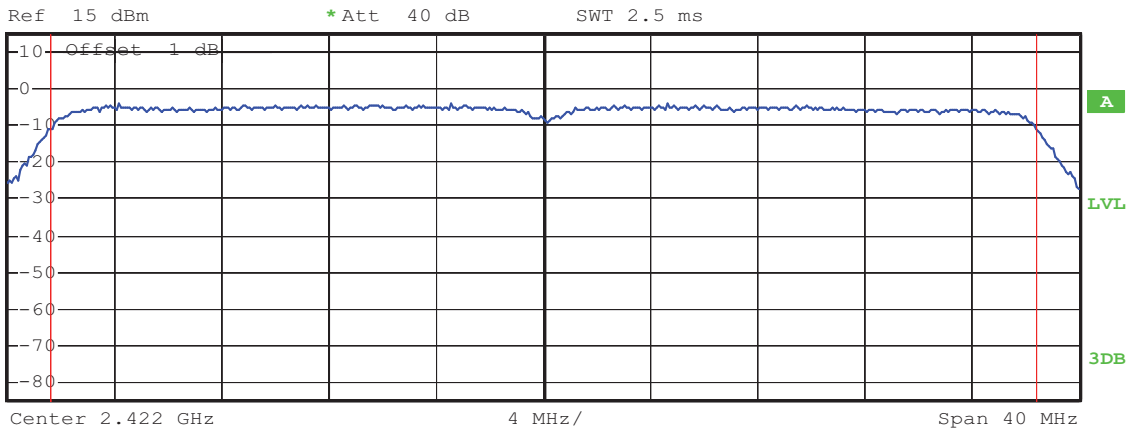
802.11n Channel High 2462MHz (20MHz)



802.11n Channel Low 2422MHz (40MHz)



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



Tx Channel

Bandwidth

36.72 MHz

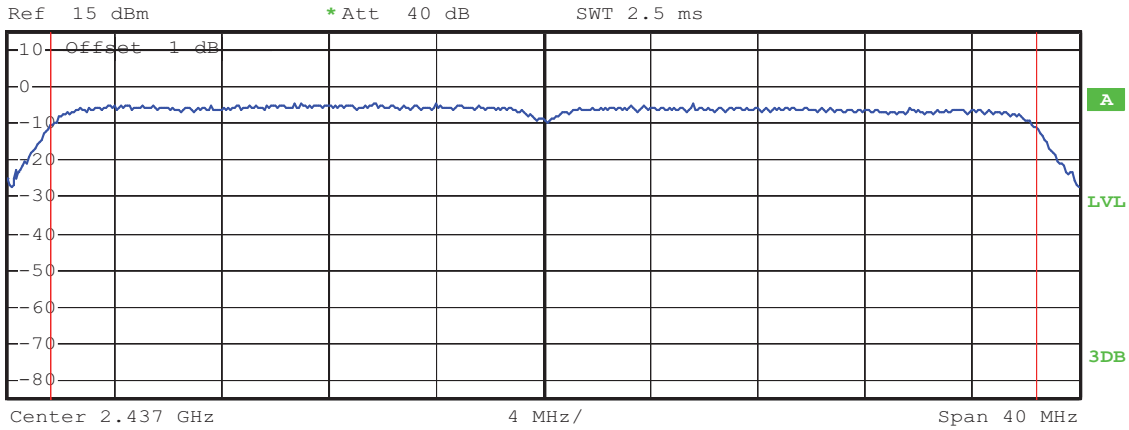
Power

9.52 dBm

802.11n Channel Middle 2437MHz (40MHz)



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



Tx Channel

Bandwidth

36.72 MHz

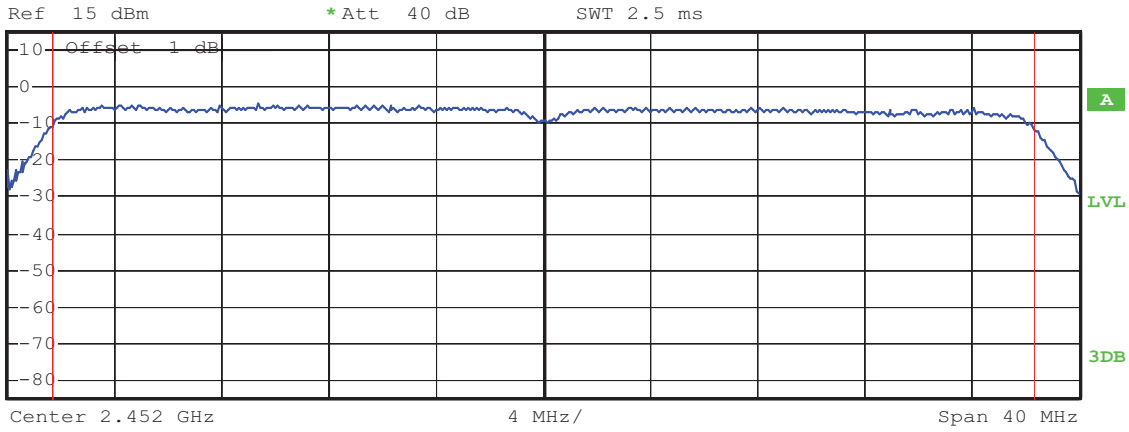
Power

8.97 dBm

802.11n Channel High 2452MHz (40MHz)



* RBW 1 MHz
* VBW 3 MHz
SWT 2.5 ms



Tx Channel

Bandwidth

36.56 MHz

Power

8.63 dBm

7. POWER SPECTRAL DENSITY MEASUREMENT

7.1. Block Diagram of Test Setup



(EUT: MID)

7.2. The Requirement For Section 15.247(e)

Section 15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

7.3. EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.3.1. MID (EUT)

Model Number	:	PC7011
Serial Number	:	N/A
Manufacturer	:	ShenZhen Natural Sound Electronics Co., Ltd

7.4. Operating Condition of EUT

7.4.1. Setup the EUT and simulator as shown as Section 7.1.

7.4.2. Turn on the power of all equipment.

7.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

7.5. Test Procedure

7.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

7.5.2. Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz, sweep time = auto, span=5%-30% greater than the EBW.

7.5.3. Measurement the maximum power spectral density.

7.6. Test Result

PASS.

Date of Test:	<u>Aug 30, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Bob</u>

The test was performed with 802.11b					
Channel	Frequency (MHz)	Power Spectral Density (dBm/100kHz)	BWCF (dB)	Power Spectral Density (dBm/3kHz)	Limits (dBm/3kHz)
Low	2412	0.30	-15.2	-14.90	8 dBm
Middle	2437	-0.14	-15.2	-15.34	8 dBm
High	2462	-0.43	-15.2	-15.63	8 dBm

The test was performed with 802.11g					
Channel	Frequency (MHz)	Power Spectral Density (dBm/100kHz)	BWCF (dB)	Power Spectral Density (dBm/3kHz)	Limits (dBm)
Low	2412	-4.10	-15.2	-19.30	8 dBm
Middle	2437	-4.62	-15.2	-19.82	8 dBm
High	2462	-5.15	-15.2	-20.35	8 dBm

The test was performed with 802.11n (20MHz)					
Channel	Frequency (MHz)	Power Spectral Density (dBm/100kHz)	BWCF (dB)	Power Spectral Density (dBm/3kHz)	Limits (dBm)
Low	2412	-4.14	-15.2	-19.34	8 dBm
Middle	2437	-4.53	-15.2	-19.73	8 dBm
High	2462	-5.05	-15.2	-20.25	8 dBm

The test was performed with 802.11n (40MHz)					
Channel	Frequency (MHz)	Power Spectral Density (dBm/100kHz)	BWCF (dB)	Power Spectral Density (dBm/3kHz)	Limits (dBm)
Low	2422	-6.13	-15.2	-21.33	8 dBm
Middle	2437	-6.68	-15.2	-21.88	8 dBm
High	2452	-6.94	-15.2	-22.14	8 dBm

The spectrum analyzer plots are attached as below.

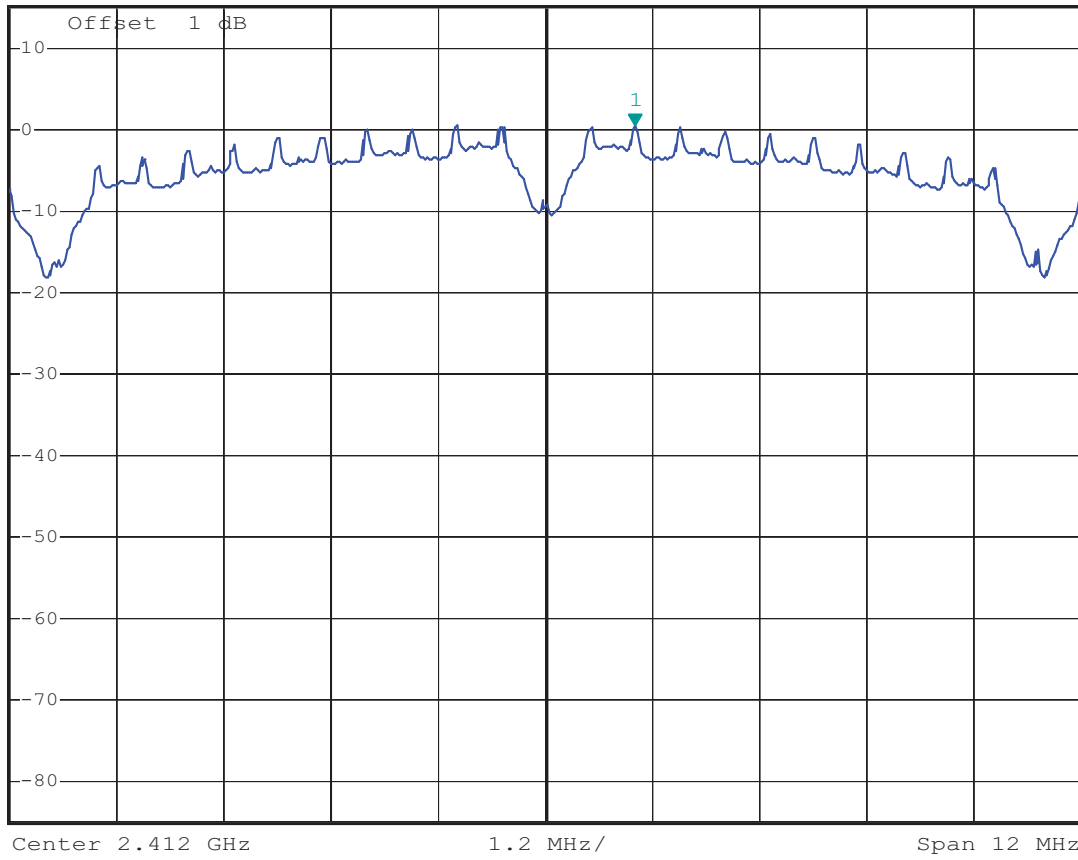
802.11b Channel Low 2412MHz



*RBW 100 kHz Marker 1 [T1]
 *VBW 300 kHz 0.30 dBm
 SWT 2.5 ms 2.413000000 GHz

Ref 15 dBm

*Att 40 dB



802.11b Channel Middle 2437MHz

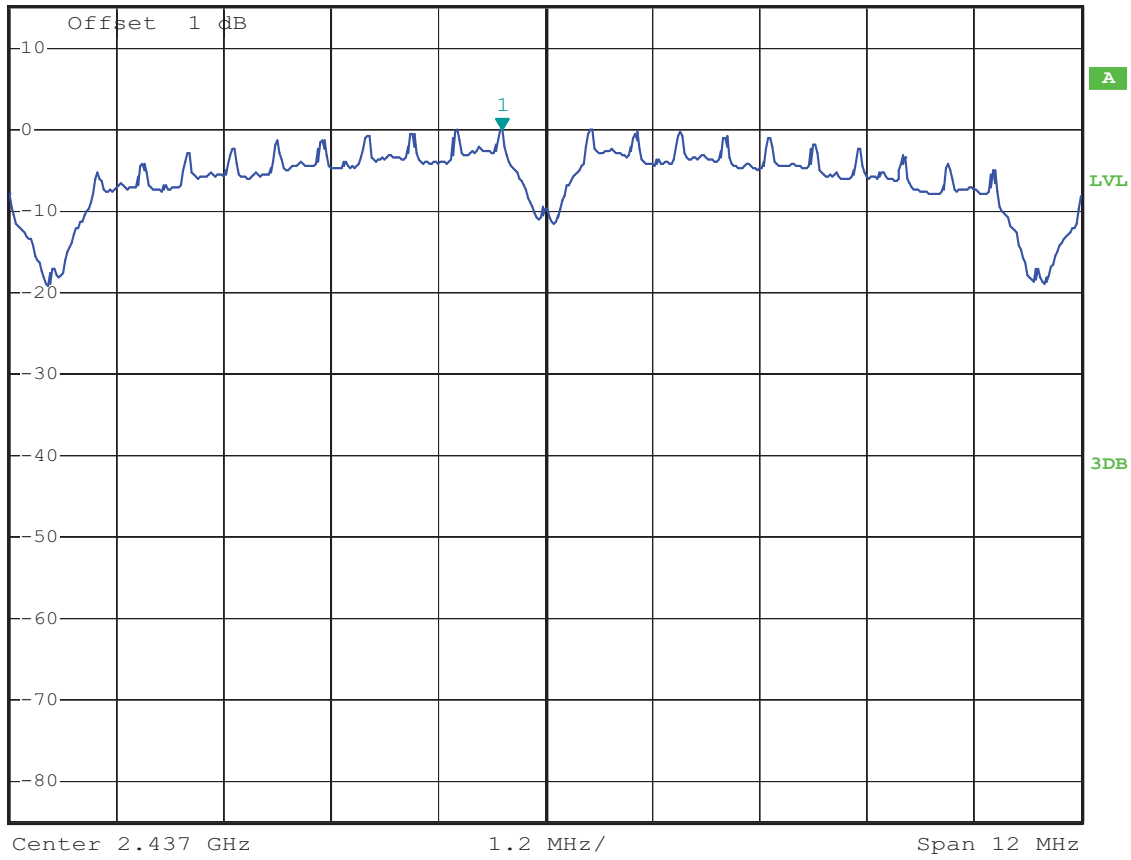


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -0.14 dBm
SWT 2.5 ms 2.436350000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



802.11b Channel High 2462MHz

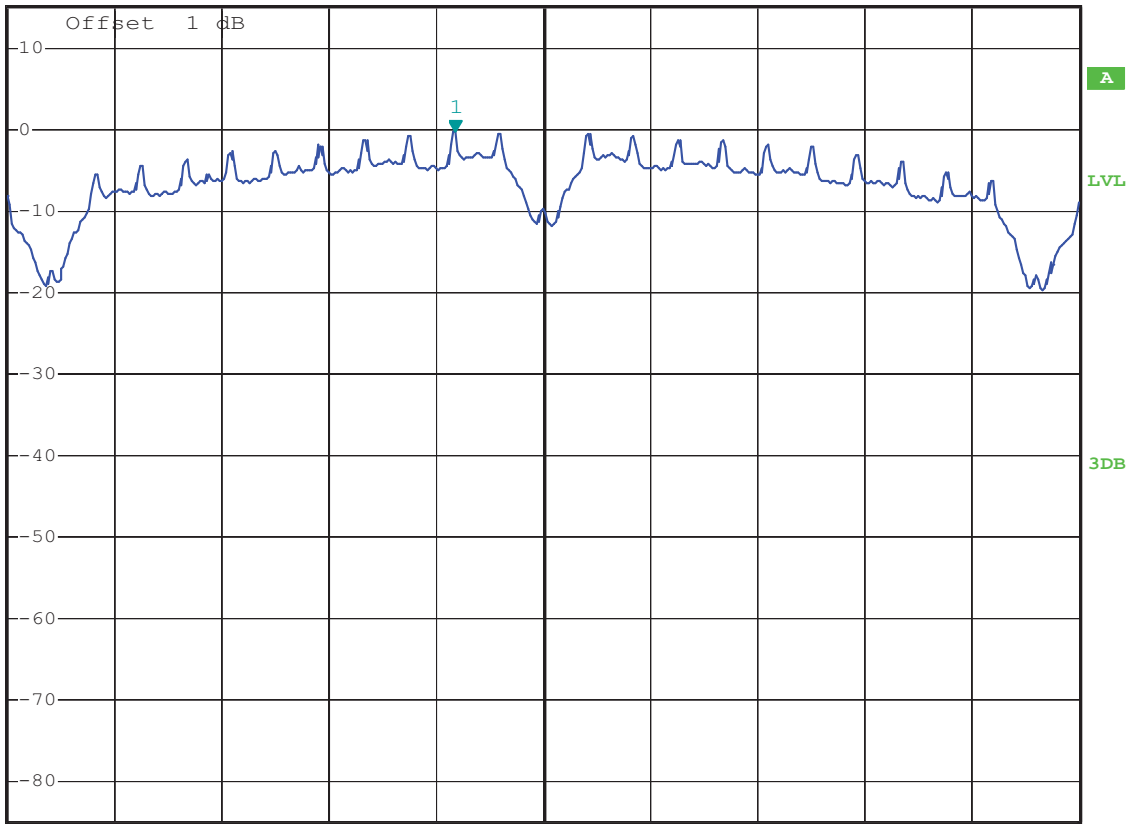


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -0.43 dBm
SWT 2.5 ms 2.461003000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.462 GHz

1.2 MHz/

Span 12 MHz

802.11g Channel Low 2412MHz

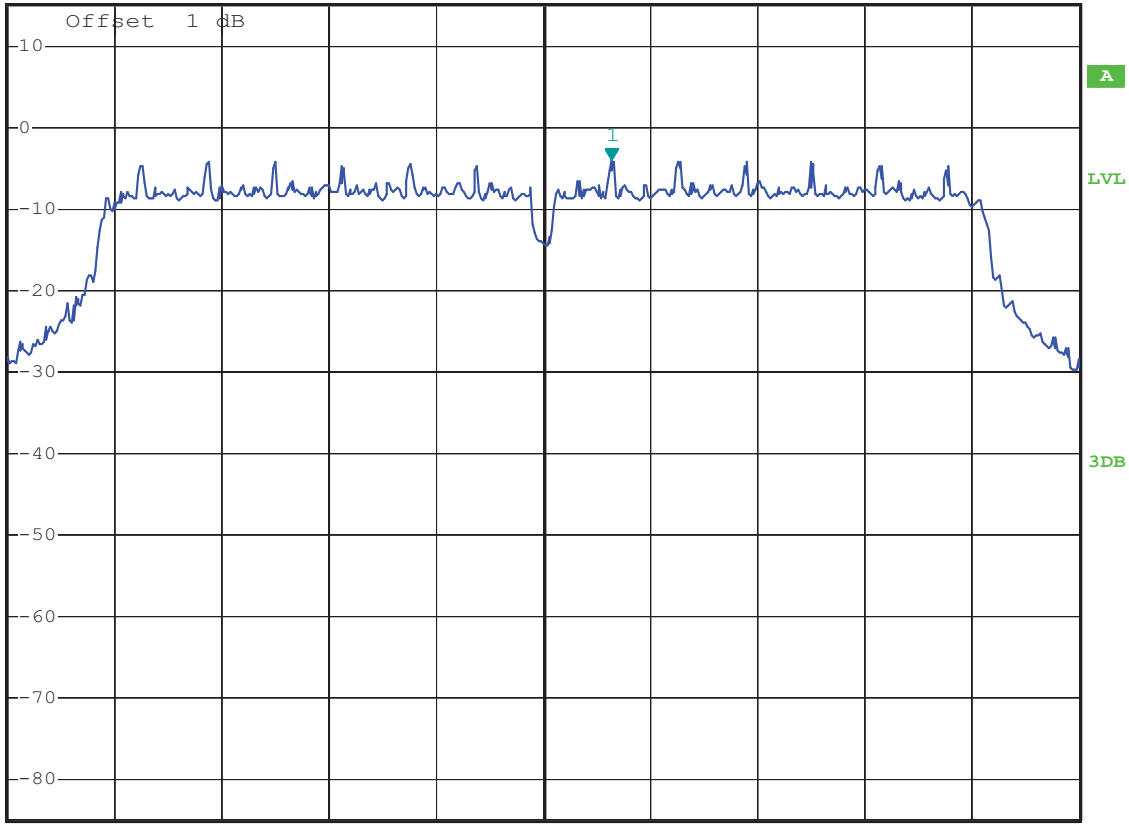


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -4.10 dBm
SWT 2.5 ms 2.413320000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.412 GHz

2 MHz/

Span 20 MHz

802.11g Channel Middle 2437MHz

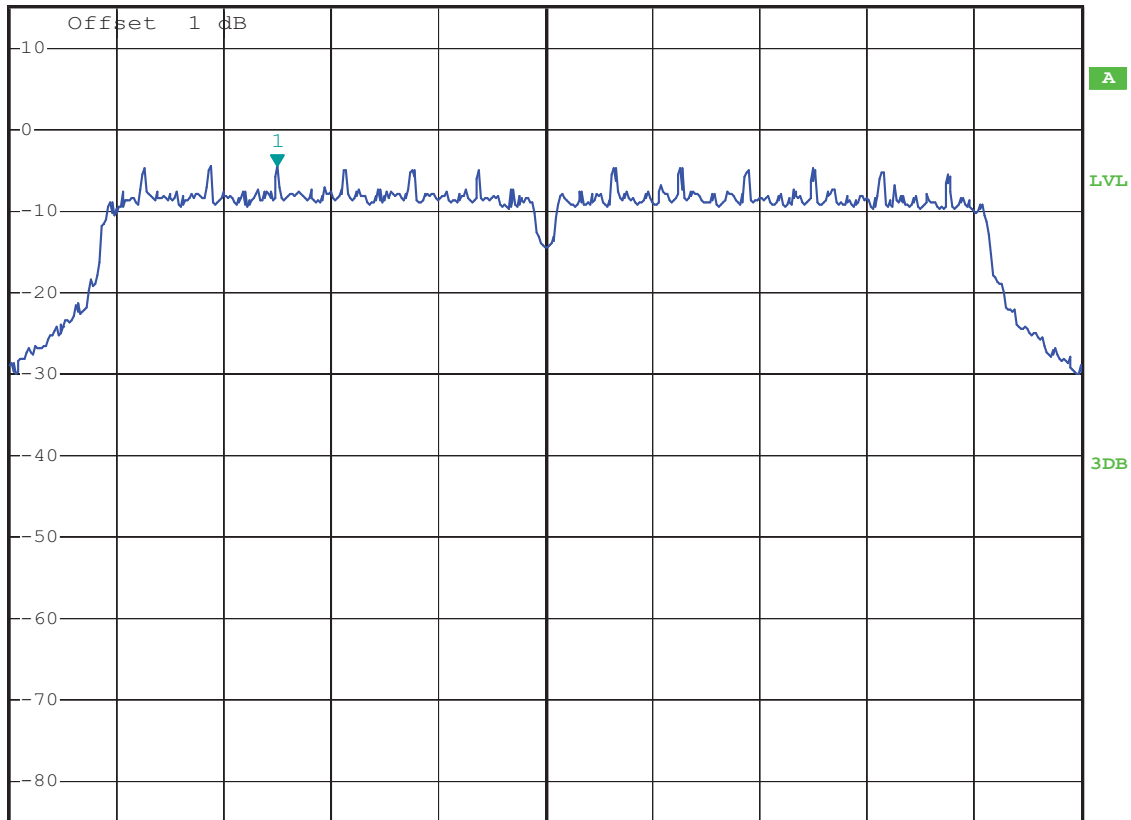


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -4.62 dBm
SWT 2.5 ms 2.432010000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.437 GHz

2 MHz/

Span 20 MHz

802.11g Channel High 2462MHz

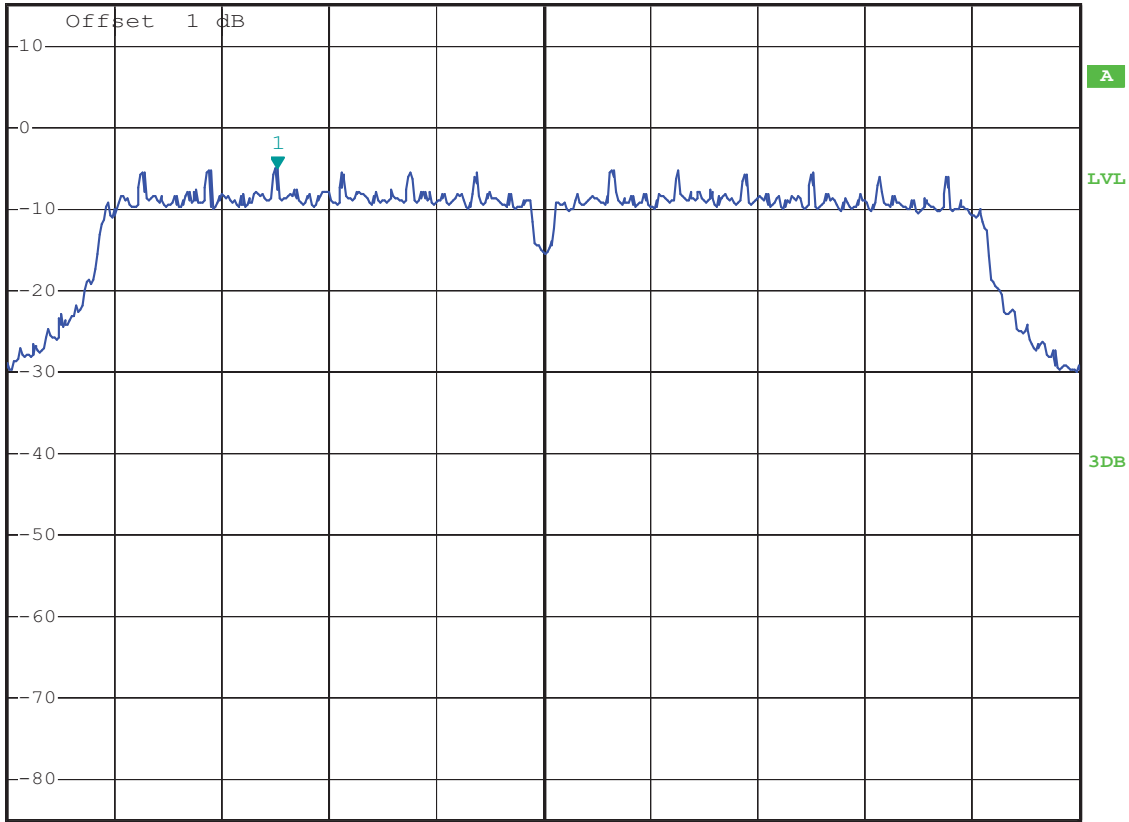


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -5.15 dBm
SWT 2.5 ms 2.457000000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.462 GHz

2 MHz/

Span 20 MHz

802.11n Channel Low 2412MHz (20MHz)

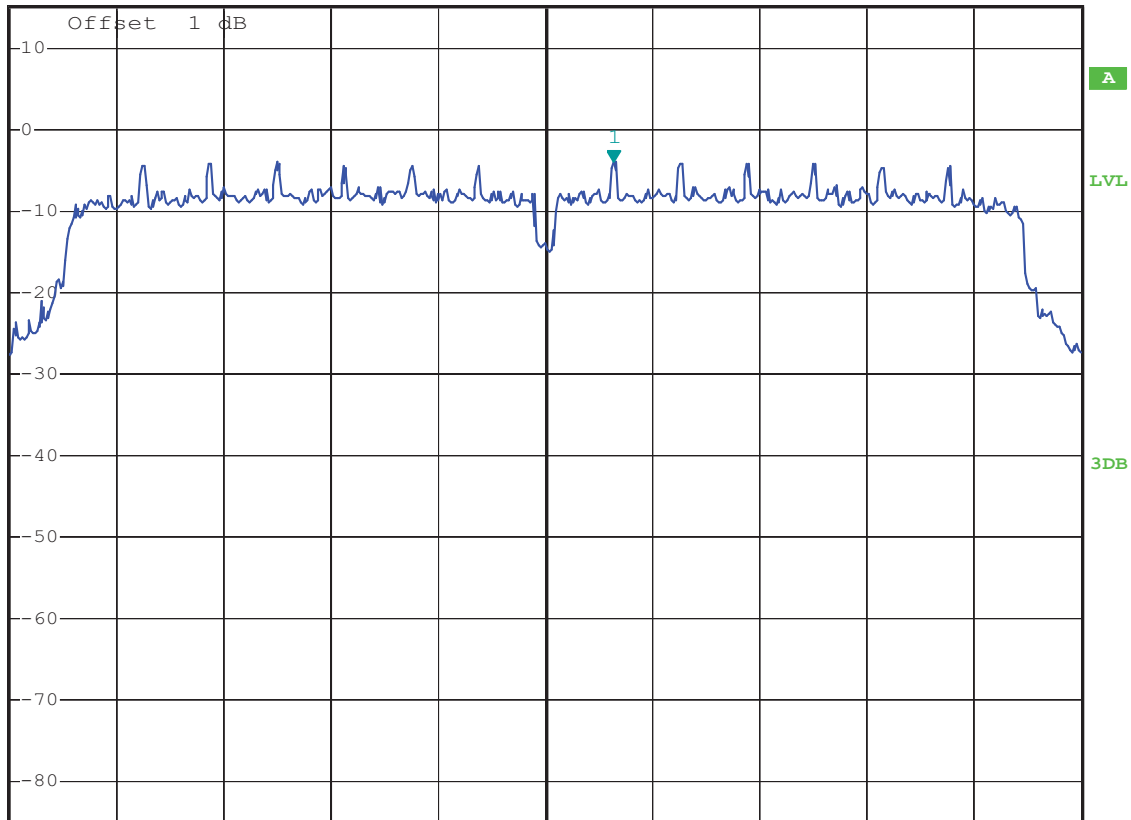


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -4.14 dBm
SWT 2.5 ms 2.413250000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.412 GHz

2 MHz/

Span 20 MHz

802.11n Channel Middle 2437MHz (20MHz)

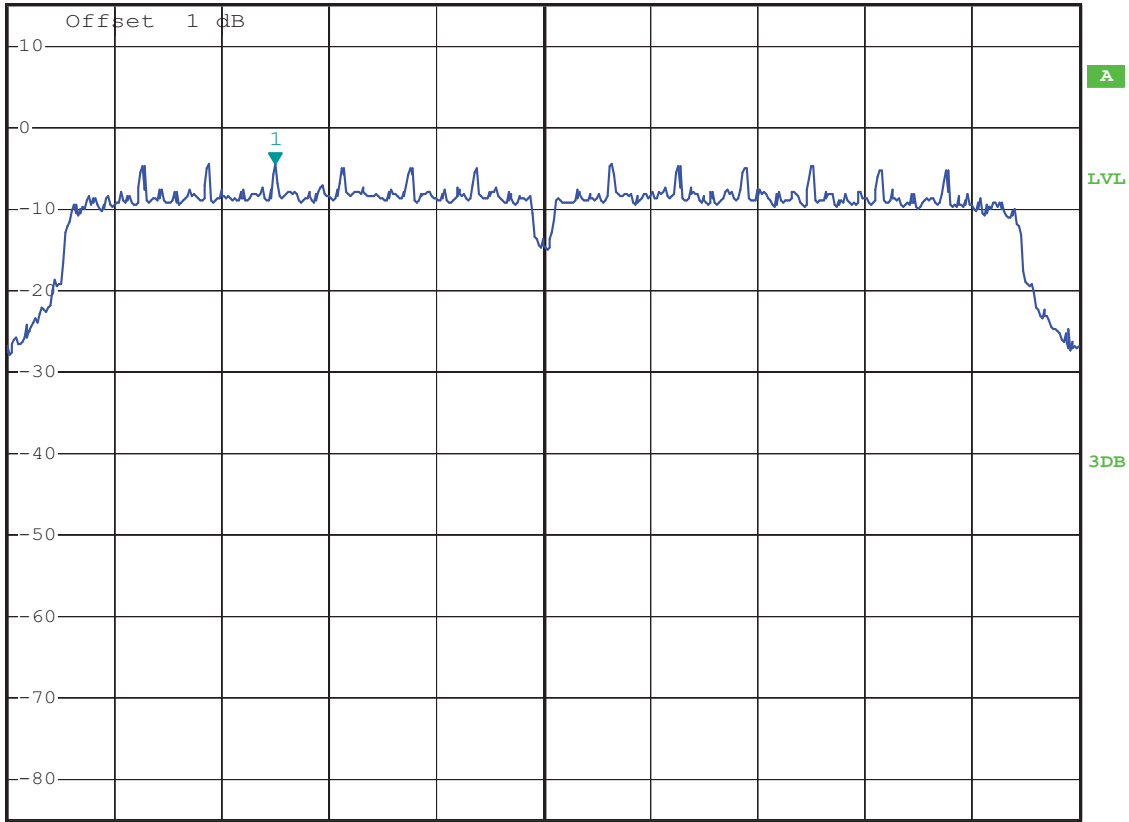


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -4.53 dBm
SWT 2.5 ms 2.432020000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.437 GHz

2 MHz/

Span 20 MHz

802.11n Channel High 2462MHz (20MHz)

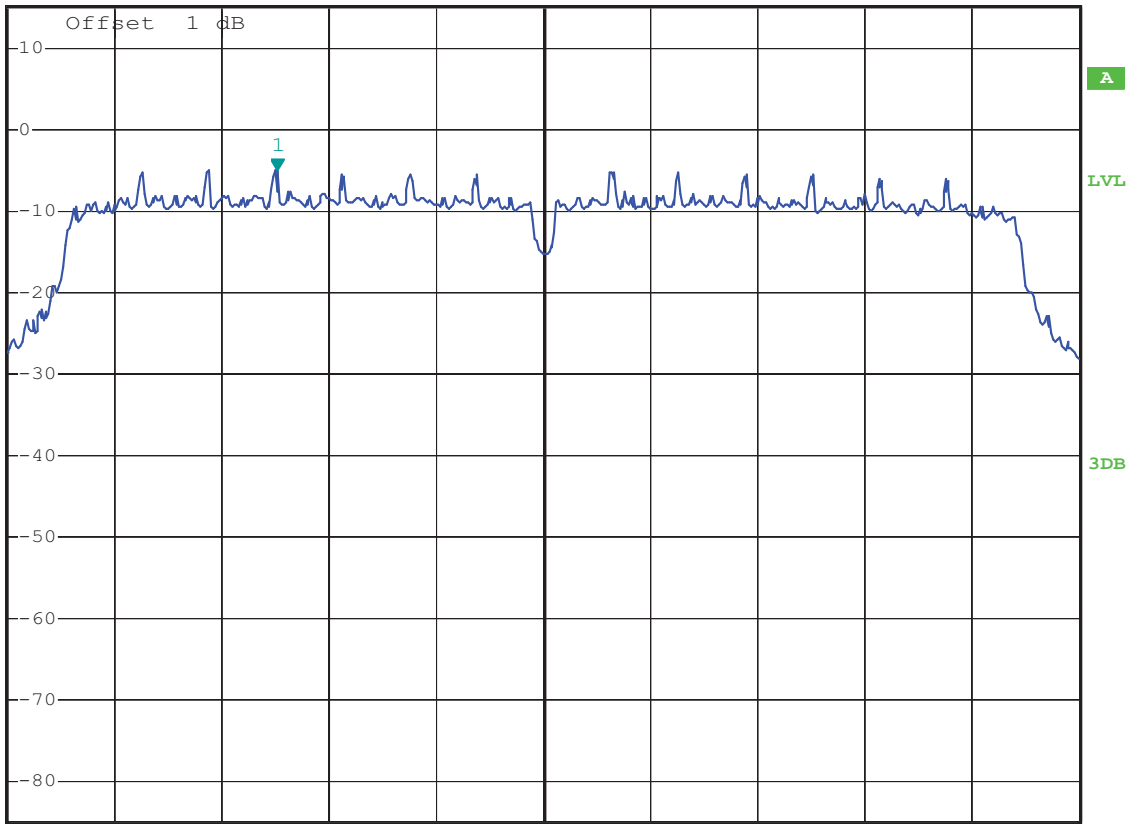


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -5.05 dBm
SWT 2.5 ms 2.457000000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.462 GHz

2 MHz/

Span 20 MHz

802.11n Channel Low 2422MHz (40MHz)

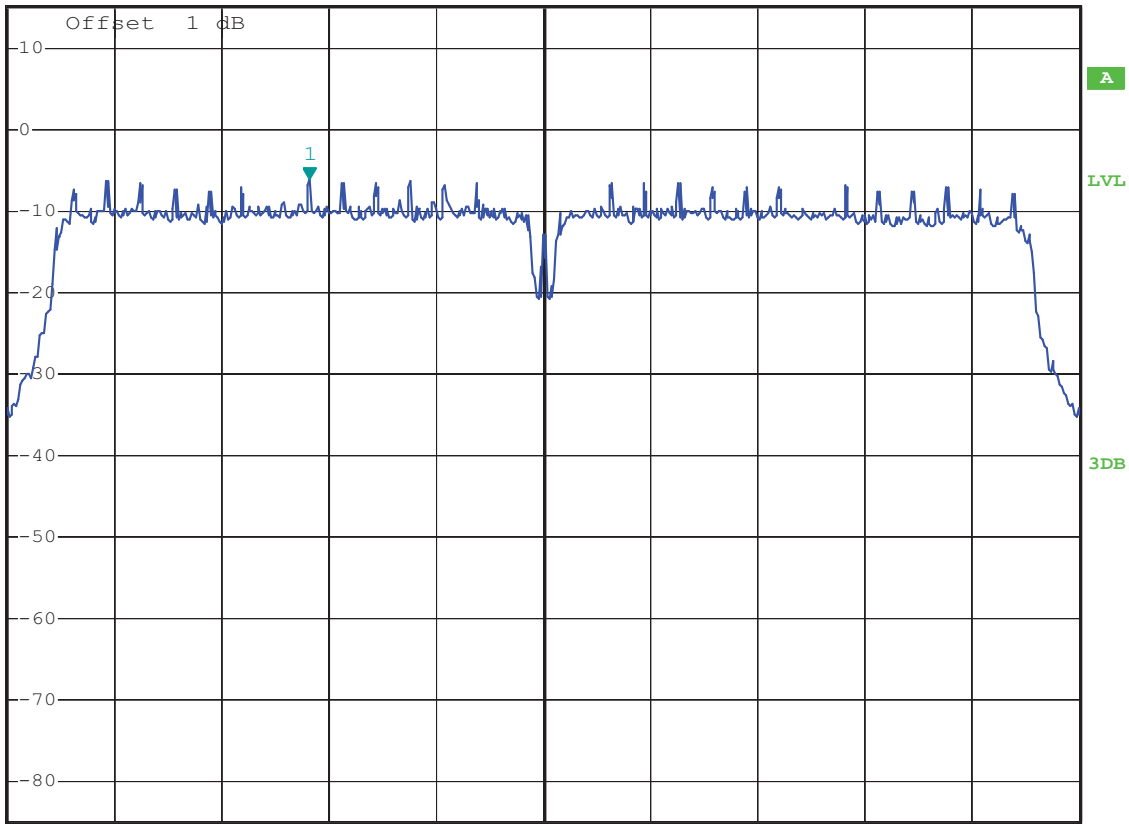


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -6.13 dBm
SWT 5 ms 2.413320000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.422 GHz

4 MHz/

Span 40 MHz

802.11n Channel Middle 2437MHz (40MHz)

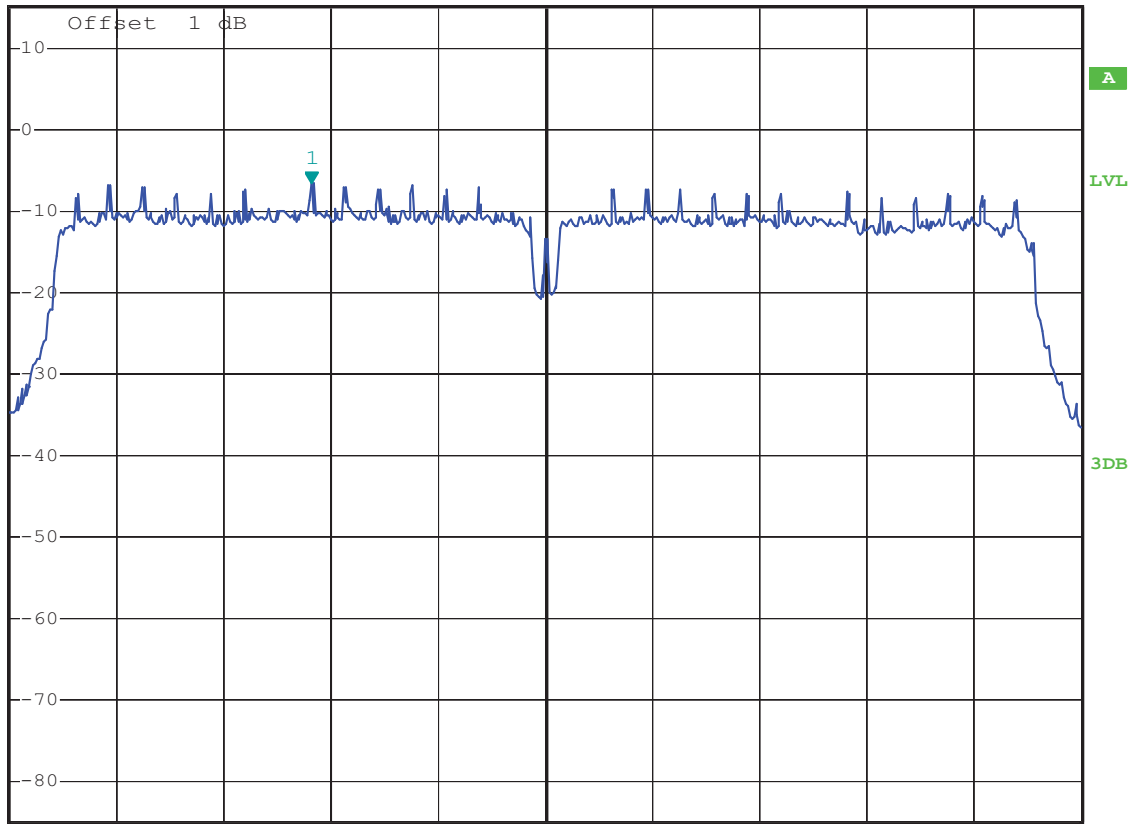


*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -6.68 dBm
SWT 5 ms 2.428320000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Center 2.437 GHz

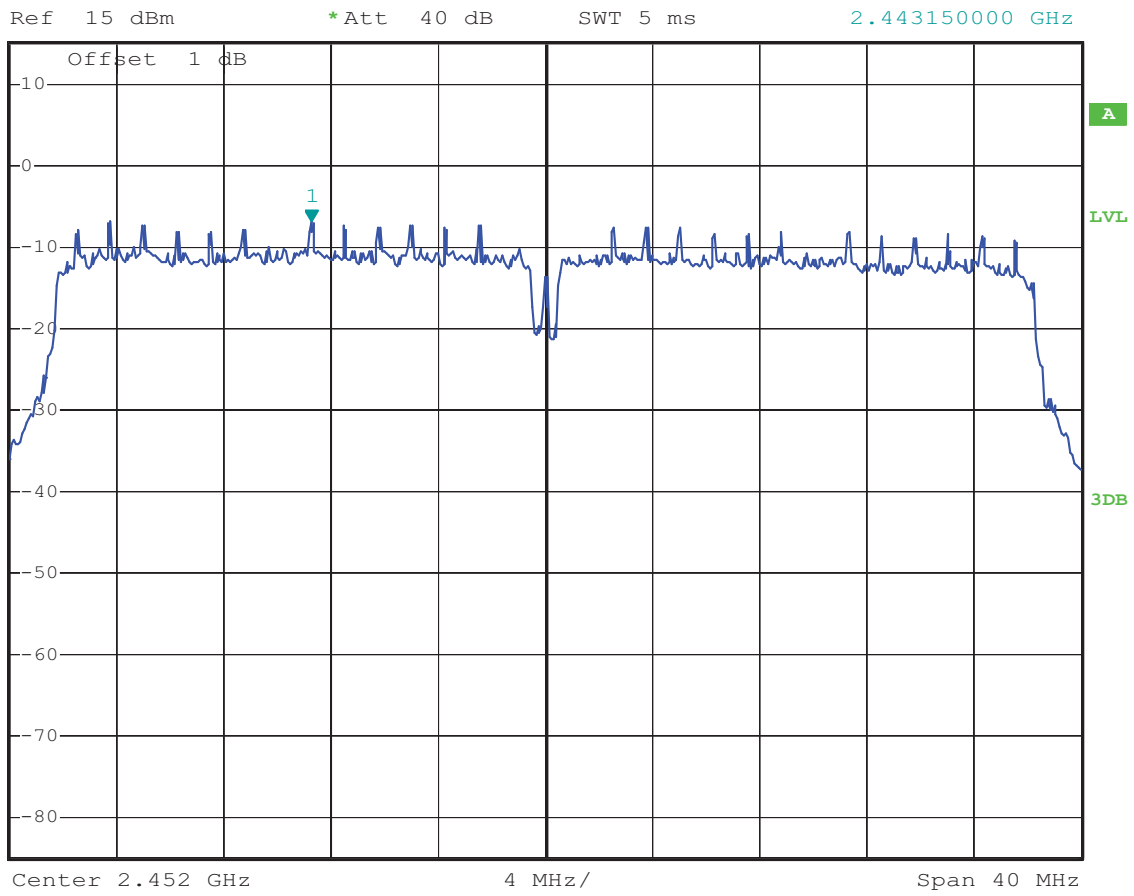
4 MHz/

Span 40 MHz

802.11n Channel High 2452MHz (40MHz)



*RBW 100 kHz Marker 1 [T1]
*VBW 300 kHz -6.94 dBm
SWT 5 ms 2.443150000 GHz



8. BAND EDGE COMPLIANCE TEST

8.1. Block Diagram of Test Setup



(EUT: MID)

8.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

8.3. EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

8.3.1. MID (EUT)

Model Number	:	PC7011
Serial Number	:	N/A
Manufacturer	:	ShenZhen Natural Sound Electronics Co., Ltd

8.4. Operating Condition of EUT

8.4.1. Setup the EUT and simulator as shown as Section 8.1.

8.4.2. Turn on the power of all equipment.

8.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz MHz. We select 2412MHz, 2462MHz and 2422MHz, 2452MHz TX frequency to transmit.

8.5. Test Procedure

Conducted Band Edge:

8.5.1. The transmitter output was connected to the spectrum analyzer via a low loss cable.

8.5.2. Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz.

Radiate Band Edge:

8.5.3. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.

8.5.4. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

8.5.5. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

8.5.6. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

RBW=1MHz, VBW=1MHz

8.5.7. The band edges was measured and recorded.

8.6. Test Result

Pass**Conducted test**

Date of Test:	<u>Aug 30, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Bob</u>

The test was performed with 802.11b

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	35.52	> 20dBc
2462	50.78	> 20dBc

The test was performed with 802.11g

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	32.64	> 20dBc
2462	44.54	> 20dBc

The test was performed with 802.11n (20MHz)

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2412	30.25	> 20dBc
2462	43.87	> 20dBc

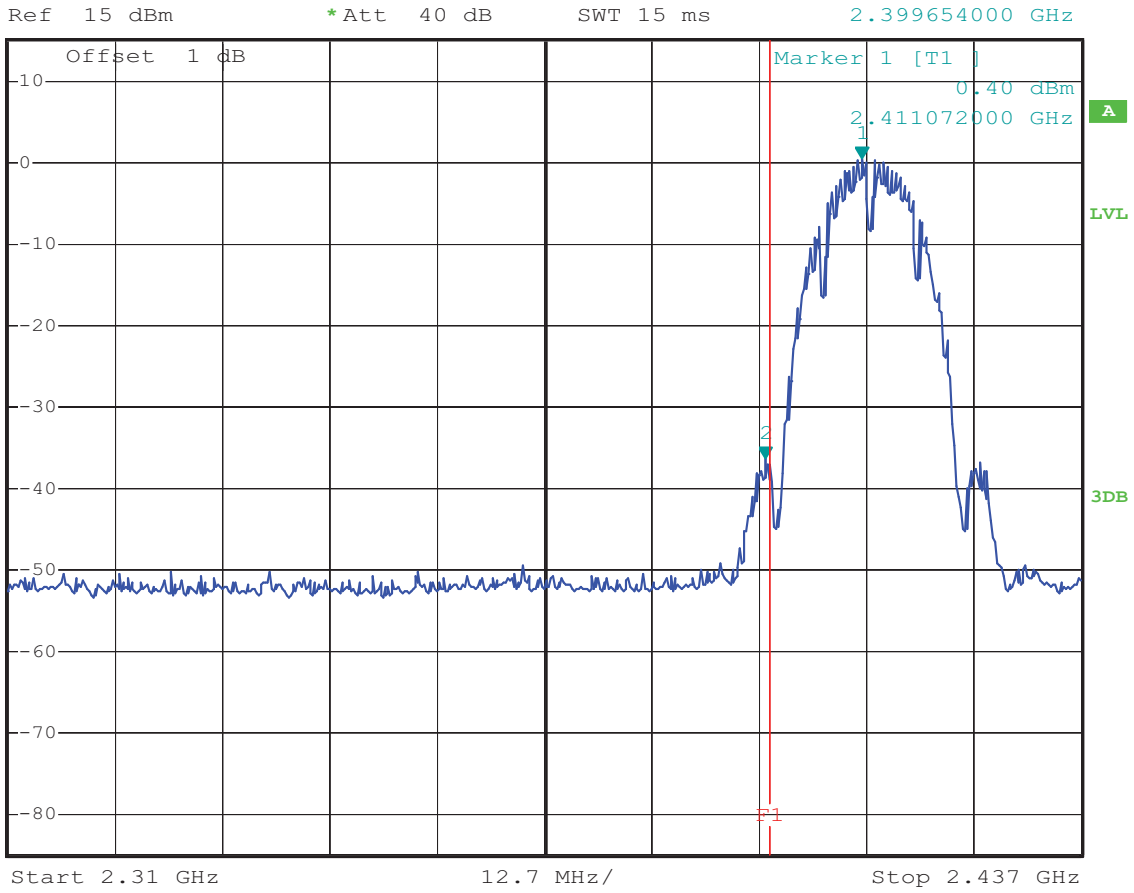
The test was performed with 802.11n (40MHz)

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2422	27.26	> 20dBc
2452	43.14	> 20dBc

802.11b Channel Low 2412MHz



*RBW 100 kHz Marker 2 [T1]
*VBW 300 kHz -35.12 dBm
SWT 15 ms 2.399654000 GHz



802.11b Channel High 2462MHz

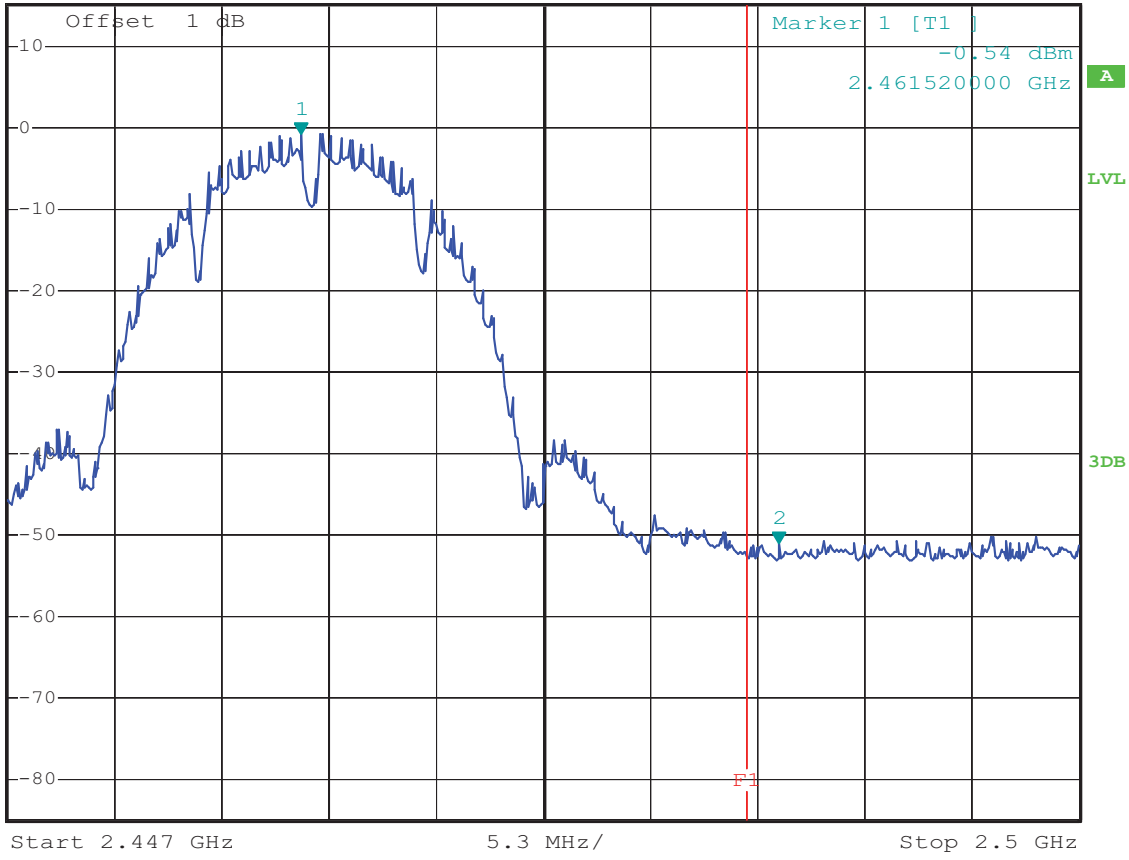


*RBW 100 kHz Marker 2 [T1]
*VBW 300 kHz -51.32 dBm
SWT 10 ms 2.485200000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



802.11g Channel Low 2412MHz

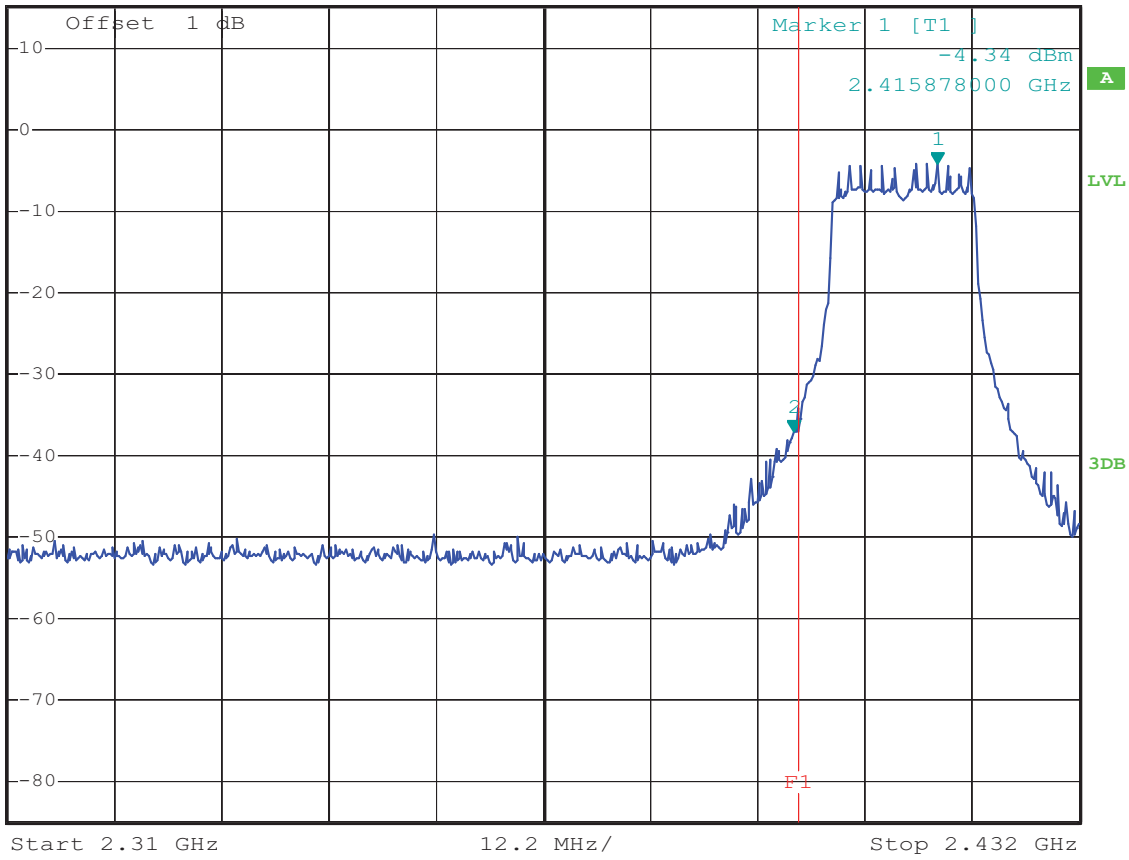


*RBW 100 kHz Marker 2 [T1]
*VBW 300 kHz -36.98 dBm
SWT 15 ms 2.399533000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



802.11n Channel Low 2412MHz (20MHz)

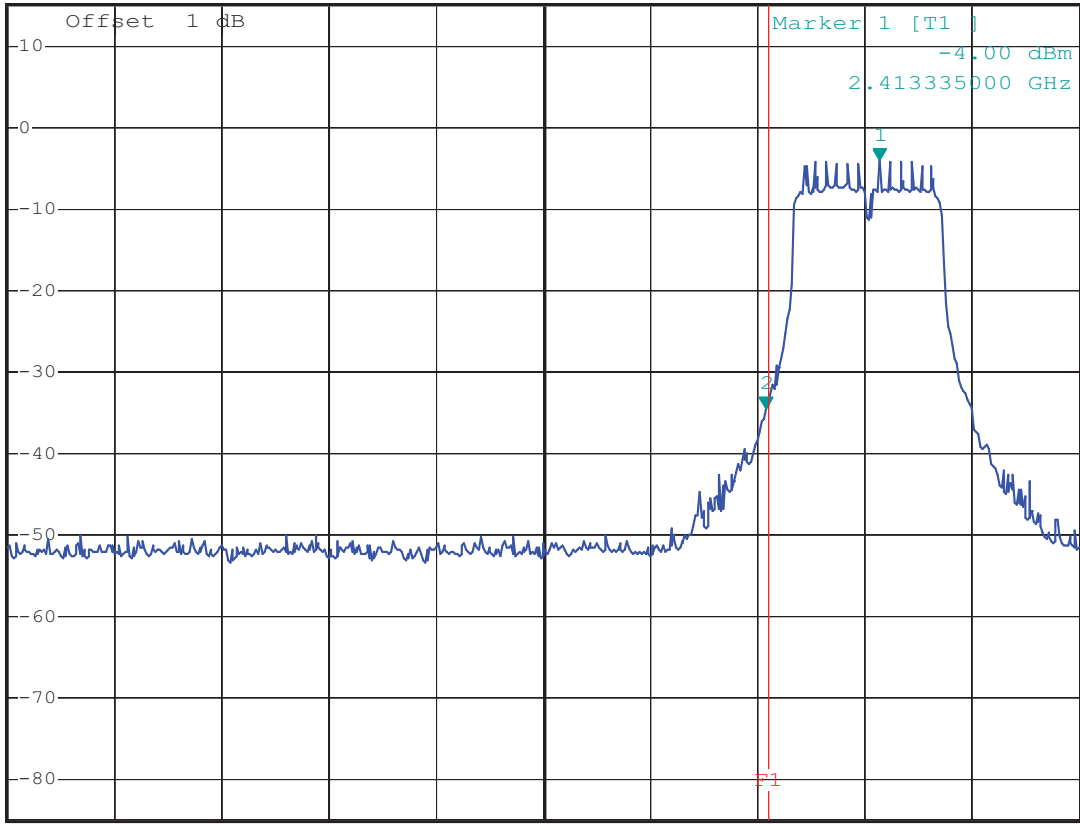


*RBW 100 kHz Marker 2 [T1]
*VBW 300 kHz -34.25 dBm
SWT 15 ms 2.399932000 GHz

Ref 15 dBm

*Att 40 dB

1 PK
MAXH



Start 2.31 GHz

12.7 MHz/

Stop 2.47 GHz

Radiated Band Edge Result

Date of Test:	<u>Aug 31, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>802.11b Channel Low 2412MHz</u>	Test Engineer:	<u>Bob</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	41.99	47.06	-7.81	34.18	39.25	54	74	-19.82	-34.75	Vertical
2332.164	42.19	47.56	-7.53	34.38	39.75	54	74	-19.62	-34.25	Vertical
2390.000	42.78	47.44	-7.53	35.25	39.91	54	74	-18.75	-18.75	Vertical
2310.000	40.15	45.98	-7.81	32.34	38.17	54	74	-21.66	-35.83	Horizontal
2332.136	41.68	46.94	-7.53	33.87	39.13	54	74	-20.13	-34.87	Horizontal
2390.000	43.18	48.39	-7.53	35.65	40.86	54	74	-18.35	-33.14	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Date of Test:	<u>Aug 31, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>802.11b Channel High 2462MHz</u>	Test Engineer:	<u>Bob</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	41.98	46.08	-7.37	34.61	38.71	54	74	-19.39	-35.29	Vertical
2487.904	41.55	46.39	-7.37	34.17	39.01	54	74	-19.83	-34.99	Vertical
2500.000	42.17	47.50	-7.38	34.77	40.10	54	74	-19.23	-33.90	Vertical
2483.500	42.57	47.22	-7.37	35.20	39.85	54	74	-18.80	-34.15	Horizontal
2487.904	41.58	46.28	-7.40	34.20	38.90	54	74	-19.80	-35.10	Horizontal
2500.000	42.22	47.08	-7.40	34.82	39.68	54	74	-19.18	-19.18	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Date of Test:	<u>Aug 31, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>802.11g Channel Low 2412MHz</u>	Test Engineer:	<u>Bob</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	42.17	47.01	-7.81	34.36	39.20	54	74	-19.64	-34.80	Vertical
2332.170	43.57	47.74	-7.81	35.76	39.93	54	74	-18.24	-34.07	Vertical
2390.000	42.39	47.44	-7.53	34.86	39.91	54	74	-19.14	-34.09	Vertical
2310.000	41.57	46.74	-7.81	33.76	38.93	54	74	-20.24	-35.07	Horizontal
2332.170	42.58	46.07	-7.81	34.77	38.26	54	74	-19.23	-35.74	Horizontal
2390.000	40.17	45.66	-4.53	32.64	38.13	54	74	-21.36	-35.87	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Date of Test:	<u>Sep 7, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>802.11g Channel High 2462MHz</u>	Test Engineer:	<u>Bob</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	41.68	46.01	-7.37	34.31	38.64	54	74	-19.69	-35.36	Vertical
2487.680	40.58	46.20	-7.38	33.20	38.82	54	74	-20.80	-35.18	Vertical
2500.00	43.58	48.25	-7.40	36.18	40.85	54	74	-17.82	-33.15	Vertical
2483.500	41.47	46.32	-7.37	34.10	38.95	54	74	-19.90	-35.05	Horizontal
2487.910	42.17	47.13	-7.38	34.79	39.75	54	74	-19.21	-34.25	Horizontal
2500.00	41.18	46.34	-7.40	33.78	38.94	54	74	-20.22	-35.06	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Date of Test:	<u>Sep 7, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
	<u>802.11n Channel Low 2412MHz</u>		
Test Mode:	<u>(20MHz)</u>	Test Engineer:	<u>Bob</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	43.27	48.21	-7.81	35.46	40.40	54	74	-18.54	-33.60	Vertical
2332.170	42.16	47.33	-7.81	34.35	39.52	54	74	-19.65	-34.48	Vertical
2390.000	43.24	48.50	-7.53	35.71	40.97	54	74	-18.29	-33.03	Vertical
2310.000	42.55	46.72	-7.81	34.74	38.91	54	74	-19.26	-35.09	Horizontal
2332.000	41.58	46.88	-7.81	33.77	39.07	54	74	-20.23	-34.93	Horizontal
2390.000	41.89	46.72	-7.53	34.36	39.19	54	74	-19.64	-34.81	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
3. Display the measurement of peak values.

Date of Test:	<u>Sep 7, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>802.11n Channel High 2462MHz (20MHz)</u>	Test Engineer:	<u>Bob</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.000	41.37	47.57	-7.37	34.00	40.20	54	74	-20.00	-33.80	Vertical
2487.000	42.17	47.04	-7.38	34.79	39.66	54	74	-19.21	-19.21	Vertical
2500.000	43.68	49.30	-7.40	36.28	41.90	54	74	-17.72	-17.72	Vertical
2483.500	43.56	49.77	-7.37	36.19	42.24	54	74	-17.81	-31.60	Horizontal
2487.940	44.56	49.77	-7.38	37.18	42.39	54	74	-16.82	-31.61	Horizontal
2500.000	42.68	47.88	-7.40	35.28	40.48	54	74	-18.72	-33.52	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Date of Test:	<u>Sep 7, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>802.11n Channel Low 2422MHz (40MHz)</u>	Test Engineer:	<u>Bob</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2310.000	43.58	48.20	-7.81	35.77	40.39	54	74	-18.23	-33.61	Vertical
2332.140	41.58	46.85	-7.81	33.77	39.04	54	74	-20.23	-34.96	Vertical
2390.000	44.68	49.54	-7.53	37.15	42.01	54	74	-16.85	-31.99	Vertical
2310.000	42.17	48.12	-7.81	34.36	40.31	54	74	-19.64	-33.69	Horizontal
2332.140	41.68	46.57	-7.81	33.87	38.76	54	74	-20.13	-35.24	Horizontal
2390.000	45.98	50.83	-7.53	38.45	43.30	54	74	-15.55	-30.70	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Date of Test:	<u>Sep 7, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>802.11n Channel High 2452MHz (40MHz)</u>	Test Engineer:	<u>Bob</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.000	43.58	48.37	-7.37	36.21	41.00	54	74	-17.79	-33.00	Vertical
2487.000	41.68	46.33	-7.38	34.30	38.95	54	74	-19.70	-35.05	Vertical
2500.000	41.35	46.62	-7.40	33.95	39.22	54	74	-20.05	-34.78	Vertical
2483.500	42.57	47.50	-7.37	35.20	40.13	54	74	-18.80	-33.87	Horizontal
2487.460	42.69	47.49	-7.38	35.31	40.11	54	74	-18.69	-33.89	Horizontal
2500.000	42.66	47.21	-7.40	35.26	39.81	54	74	-18.74	-34.19	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
Result = Reading + Corrected Factor
3. Display the measurement of peak values.



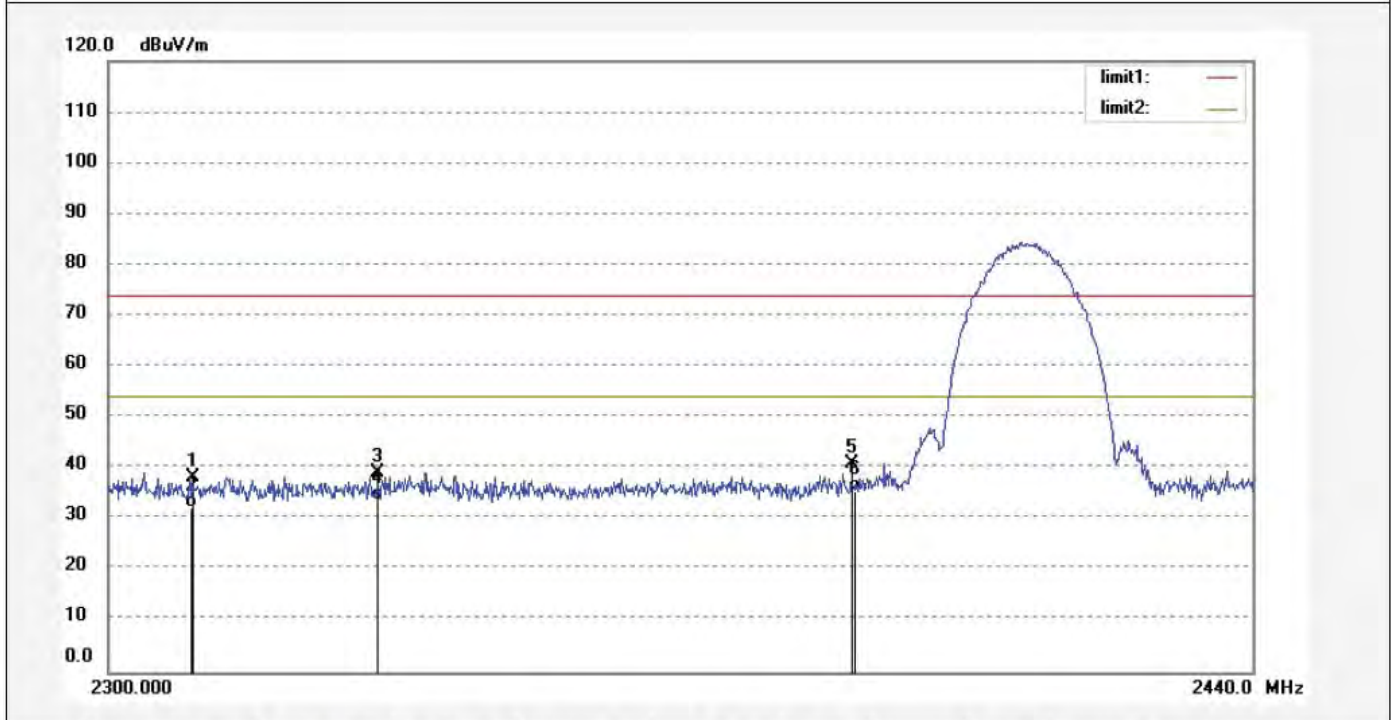
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1831	Polarization: Horizontal
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 21:27:16
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	45.98	-7.81	38.17	74.00	-35.83	peak			
2	2310.000	40.15	-7.81	32.34	54.00	-21.66	AVG			
3	2332.136	46.94	-7.81	39.13	74.00	-34.87	peak			
4	2332.136	41.68	-7.81	33.87	54.00	-20.13	AVG			
5	2390.000	48.39	-7.53	40.86	74.00	-33.14	peak			
6	2390.000	43.18	-7.53	35.65	54.00	-18.35	AVG			



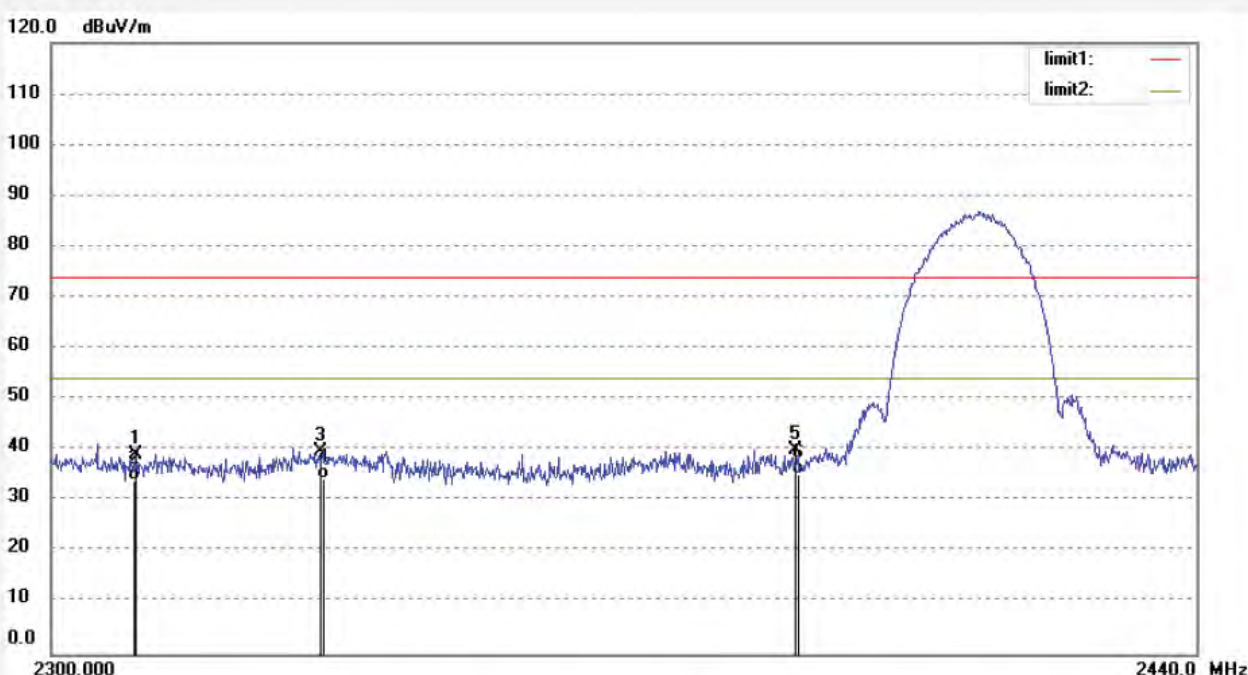
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1832	Polarization: Vertical
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 21:31:32
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	47.06	-7.81	39.25	74.00	-34.75	peak			
2	2310.000	41.99	-7.81	34.18	54.00	-19.82	AVG			
3	2332.164	47.56	-7.81	39.75	74.00	-34.25	peak			
4	2332.164	42.19	-7.81	34.38	54.00	-19.62	AVG			
5	2390.000	47.44	-7.53	39.91	74.00	-34.09	peak			
6	2390.000	42.78	-7.53	35.25	54.00	-18.75	AVG			



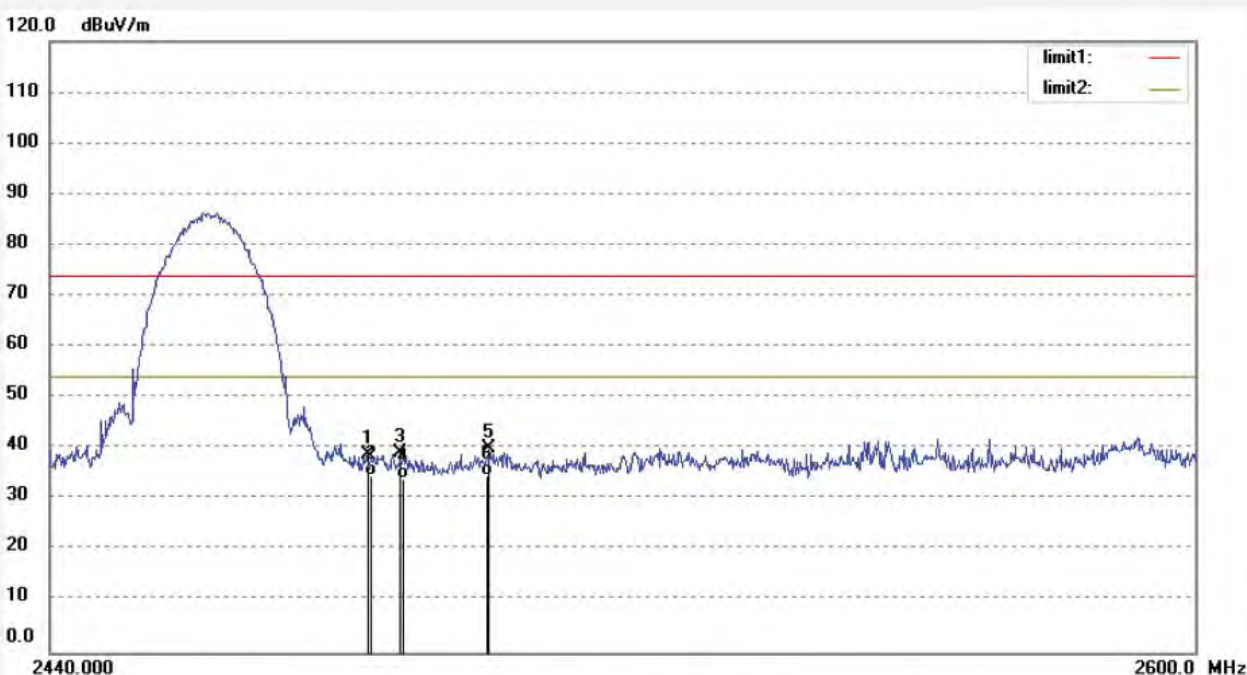
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1833	Polarization: Vertical
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 21:35:25
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



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	46.08	-7.37	38.71	74.00	-35.29	peak			
2	2483.500	41.98	-7.37	34.61	54.00	-19.39	AVG			
3	2487.904	46.39	-7.38	39.01	74.00	-34.99	peak			
4	2487.904	41.55	-7.38	34.17	54.00	-19.83	AVG			
5	2500.000	47.50	-7.40	40.10	74.00	-33.90	peak			
6	2500.000	42.17	-7.40	34.77	54.00	-19.23	AVG			



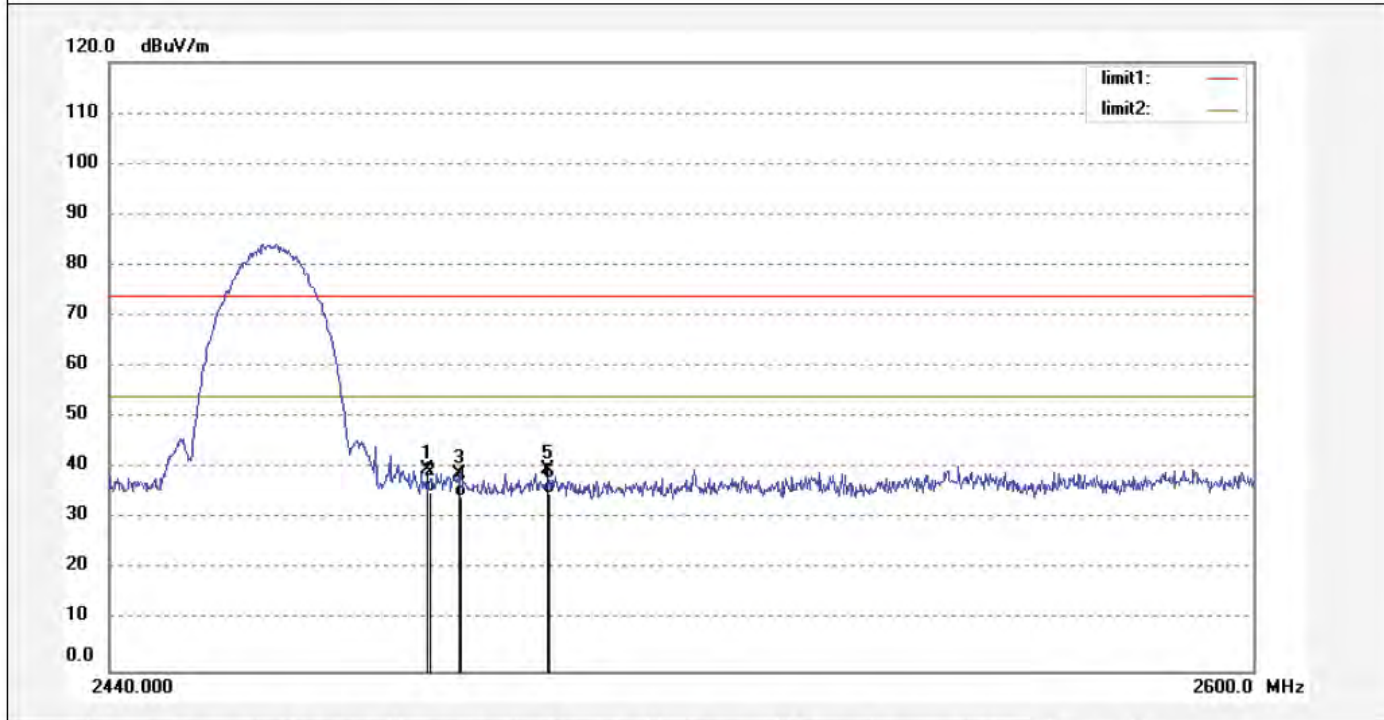
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1834	Polarization: Horizontal
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 21:38:45
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	47.22	-7.37	39.85	74.00	-34.15	peak			
2	2483.500	42.57	-7.37	35.20	54.00	-18.80	AVG			
3	2487.904	46.28	-7.38	38.90	74.00	-35.10	peak			
4	2487.904	41.58	-7.38	34.20	54.00	-19.80	AVG			
5	2500.000	47.08	-7.40	39.68	74.00	-34.32	peak			
6	2500.000	42.22	-7.40	34.82	54.00	-19.18	AVG			



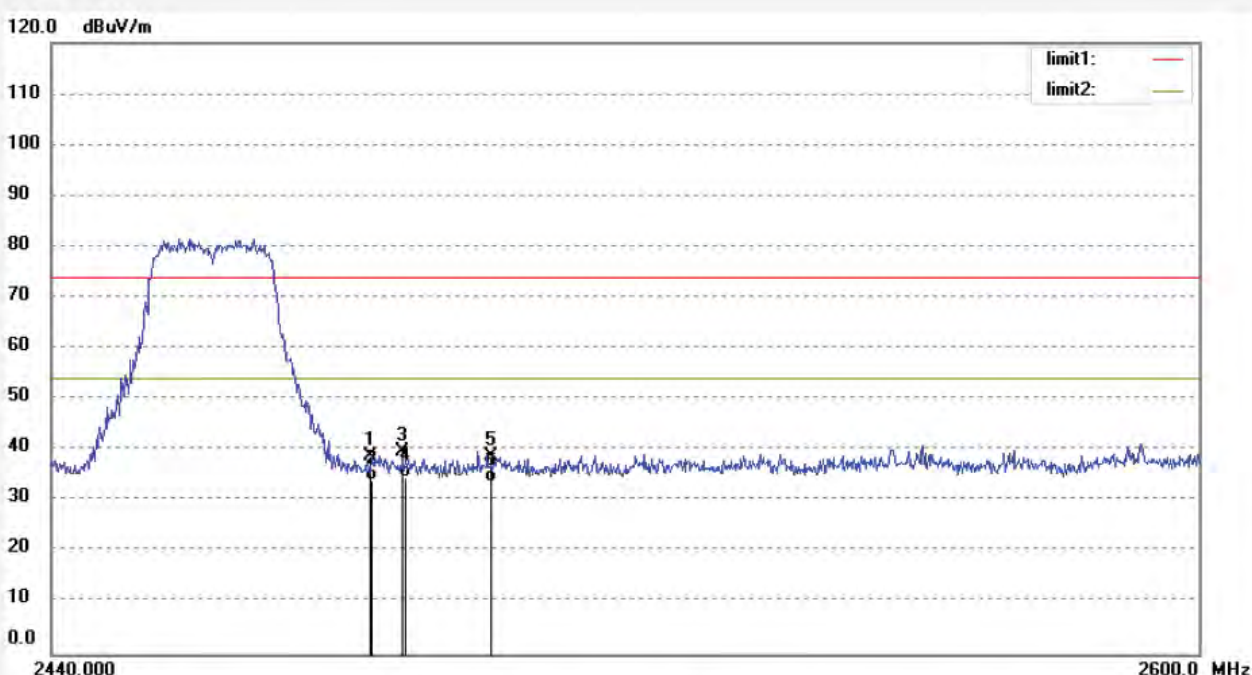
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1835	Polarization: Horizontal
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 21:43:24
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.450	46.32	-7.37	38.95	74.00	-35.05	peak			
2	2483.450	41.47	-7.37	34.10	54.00	-19.90	AVG			
3	2487.910	47.13	-7.38	39.75	74.00	-34.25	peak			
4	2487.910	42.17	-7.38	34.79	54.00	-19.21	AVG			
5	2500.000	46.34	-7.40	38.94	74.00	-35.06	peak			
6	2500.000	41.18	-7.40	33.78	54.00	-20.22	AVG			



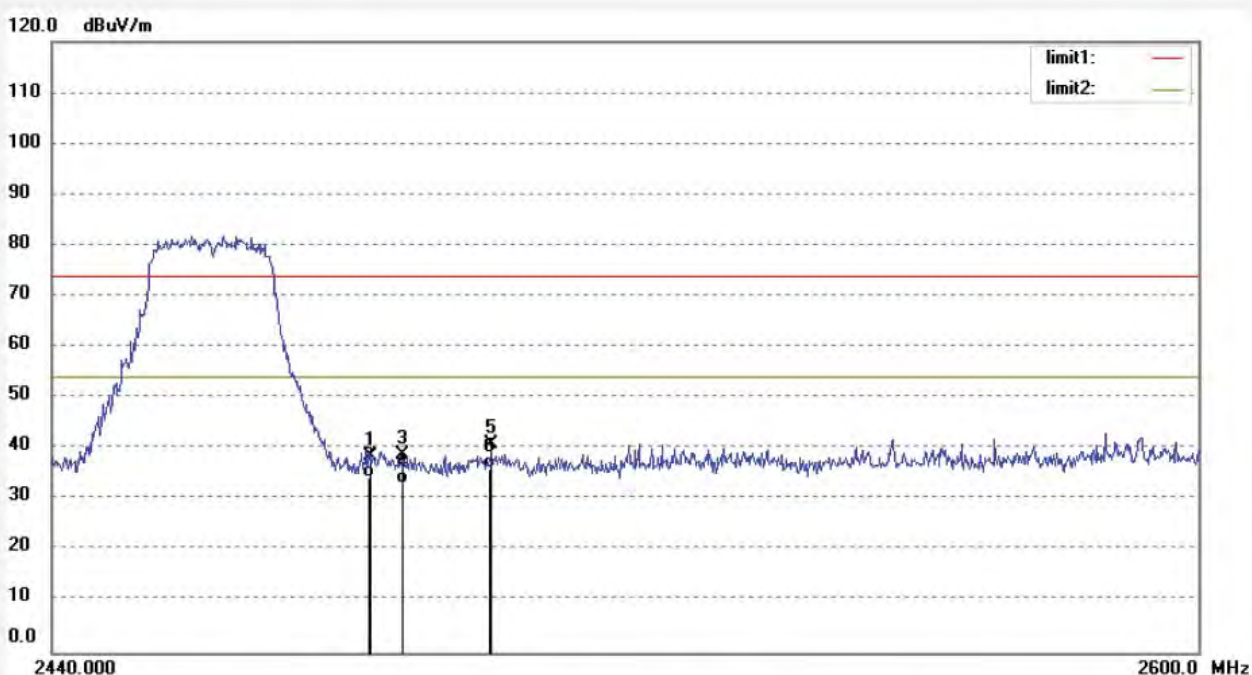
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1836	Polarization: Vertical
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 21:46:38
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



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	46.01	-7.37	38.64	74.00	-35.36	peak			
2	2483.500	41.68	-7.37	34.31	54.00	-19.69	AVG			
3	2487.680	46.20	-7.38	38.82	74.00	-35.18	peak			
4	2487.680	40.58	-7.38	33.20	54.00	-20.80	AVG			
5	2500.000	48.25	-7.40	40.85	74.00	-33.15	peak			
6	2500.000	43.58	-7.40	36.18	54.00	-17.82	AVG			



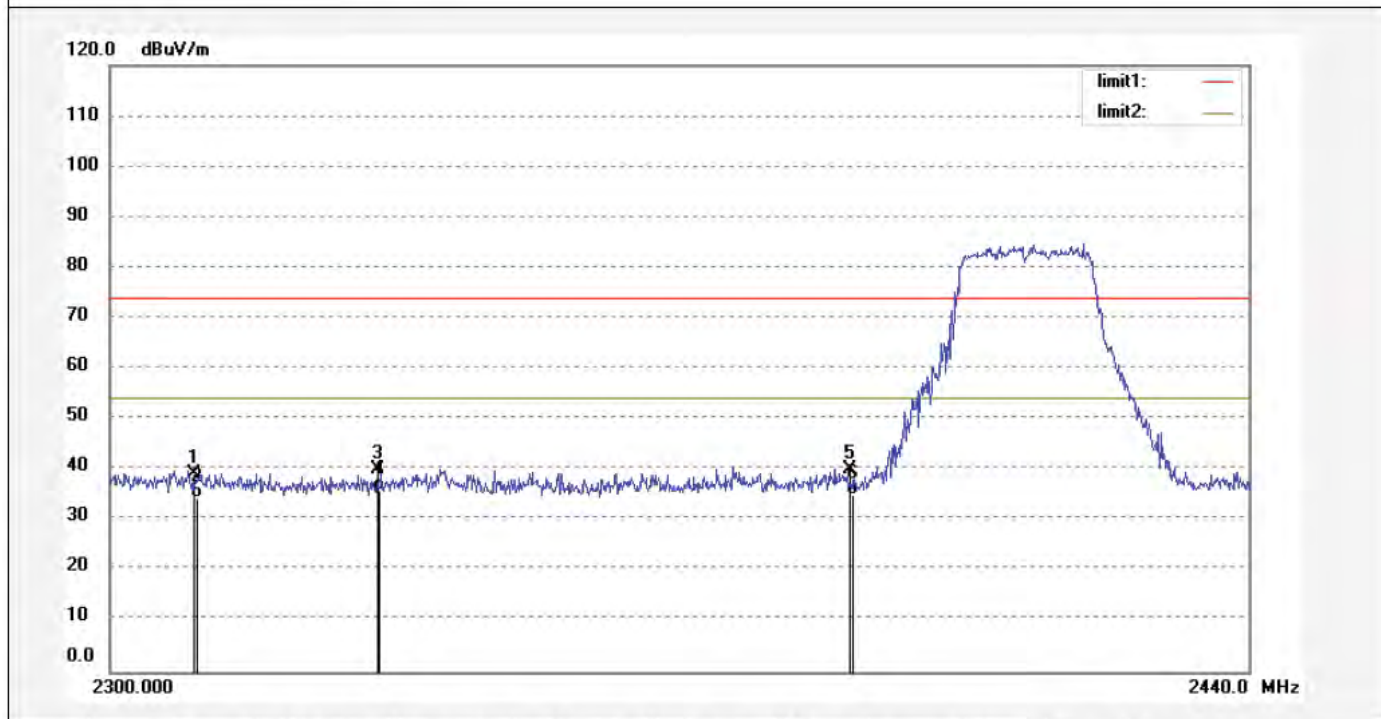
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1837	Polarization: Vertical
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 21:49:19
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	47.01	-7.81	39.20	74.00	-34.80	peak			
2	2310.000	42.17	-7.81	34.36	54.00	-19.64	AVG			
3	2332.170	47.74	-7.81	39.93	74.00	-34.07	peak			
4	2332.170	43.57	-7.81	35.76	54.00	-18.24	AVG			
5	2390.000	47.44	-7.53	39.91	74.00	-34.09	peak			
6	2390.000	42.39	-7.53	34.86	54.00	-19.14	AVG			



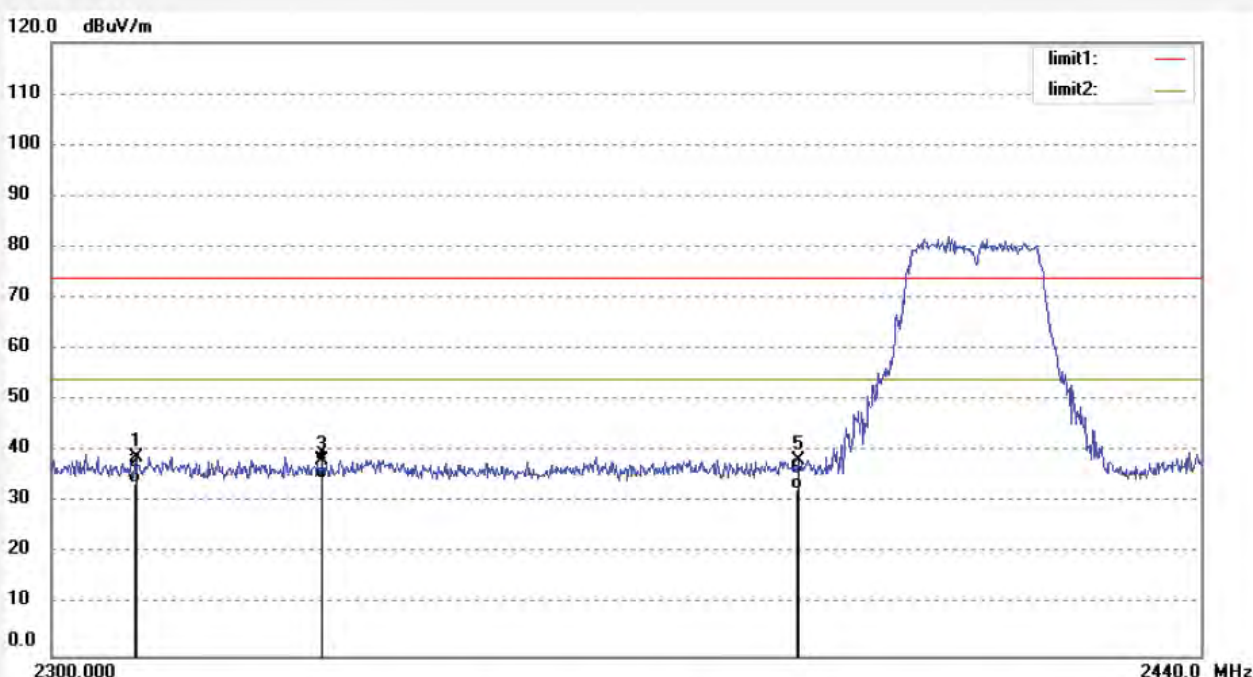
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1838	Polarization: Horizontal
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 21:53:38
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	46.74	-7.81	38.93	74.00	-35.07	peak			
2	2310.000	41.57	-7.81	33.76	54.00	-20.24	AVG			
3	2332.170	46.07	-7.81	38.26	74.00	-35.74	peak			
4	2332.170	42.58	-7.81	34.77	54.00	-19.23	AVG			
5	2390.000	45.66	-7.53	38.13	74.00	-35.87	peak			
6	2390.000	40.17	-7.53	32.64	54.00	-21.36	AVG			


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 Site: 966 chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: Bob #1839

Polarization: Horizontal

Standard: FCC 15C PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 12/09/07/

Temp.(C)/Hum.(%) 25 C / 51 %

Time: 21:57:55

EUT: MID

Engineer Signature: Bob

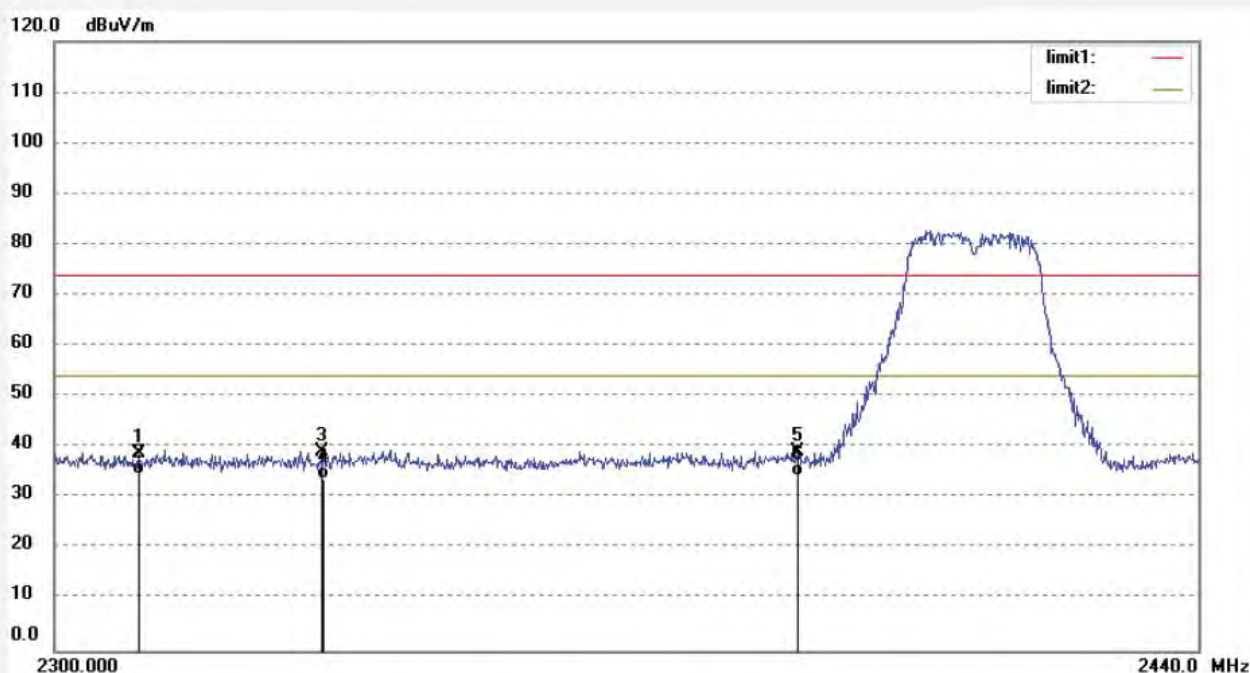
Mode: TX Channel 1(802.11n)

Distance: 3m

Model: PC7011

Manufacturer: Natural Sound

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	46.72	-7.81	38.91	74.00	-35.09	peak			
2	2310.000	42.55	-7.81	34.74	54.00	-19.26	AVG			
3	2332.000	46.88	-7.81	39.07	74.00	-34.93	peak			
4	2332.000	41.58	-7.81	33.77	54.00	-20.23	AVG			
5	2390.000	46.72	-7.53	39.19	74.00	-34.81	peak			
6	2390.000	41.89	-7.53	34.36	54.00	-19.64	AVG			



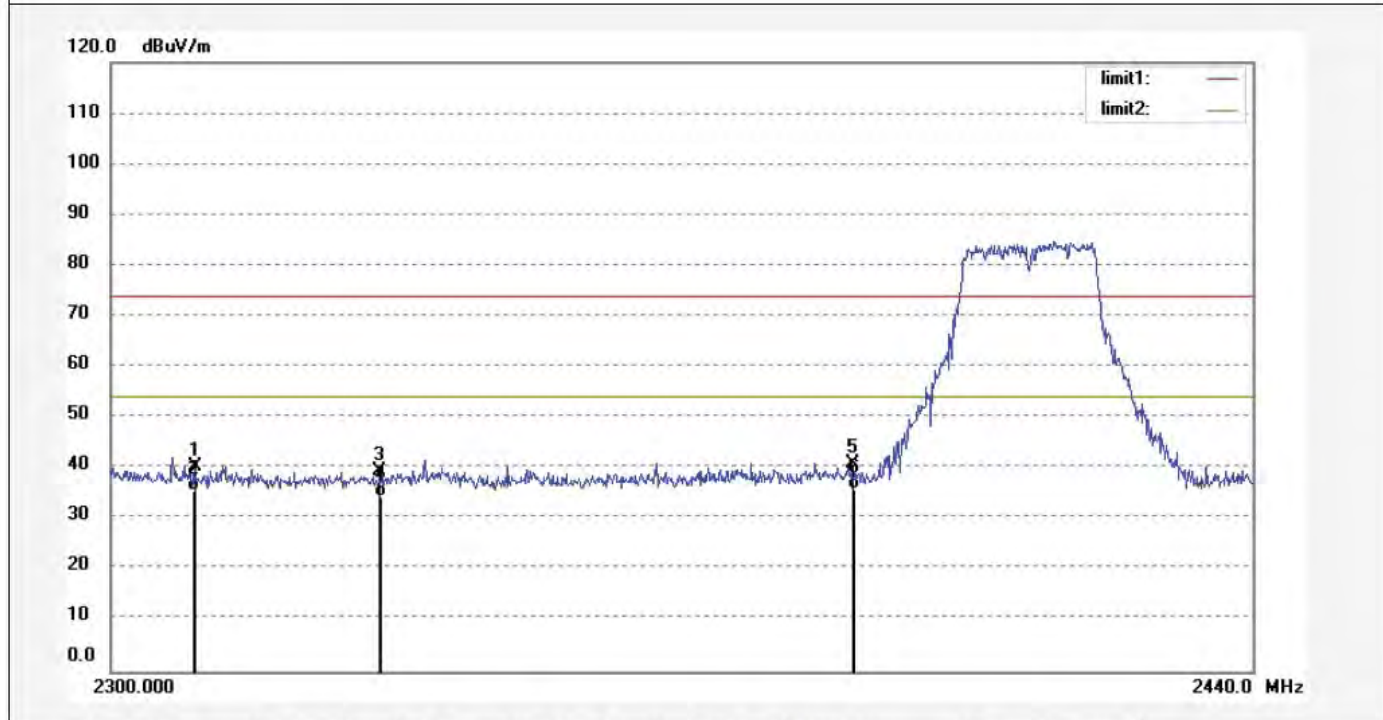
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1840	Polarization: Vertical
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 21:59:58
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	48.21	-7.81	40.40	74.00	-33.60	peak			
2	2310.000	43.27	-7.81	35.46	54.00	-18.54	AVG			
3	2332.170	47.33	-7.81	39.52	74.00	-34.48	peak			
4	2332.170	42.16	-7.81	34.35	54.00	-19.65	AVG			
5	2390.000	48.50	-7.53	40.97	74.00	-33.03	peak			
6	2390.000	43.24	-7.53	35.71	54.00	-18.29	AVG			



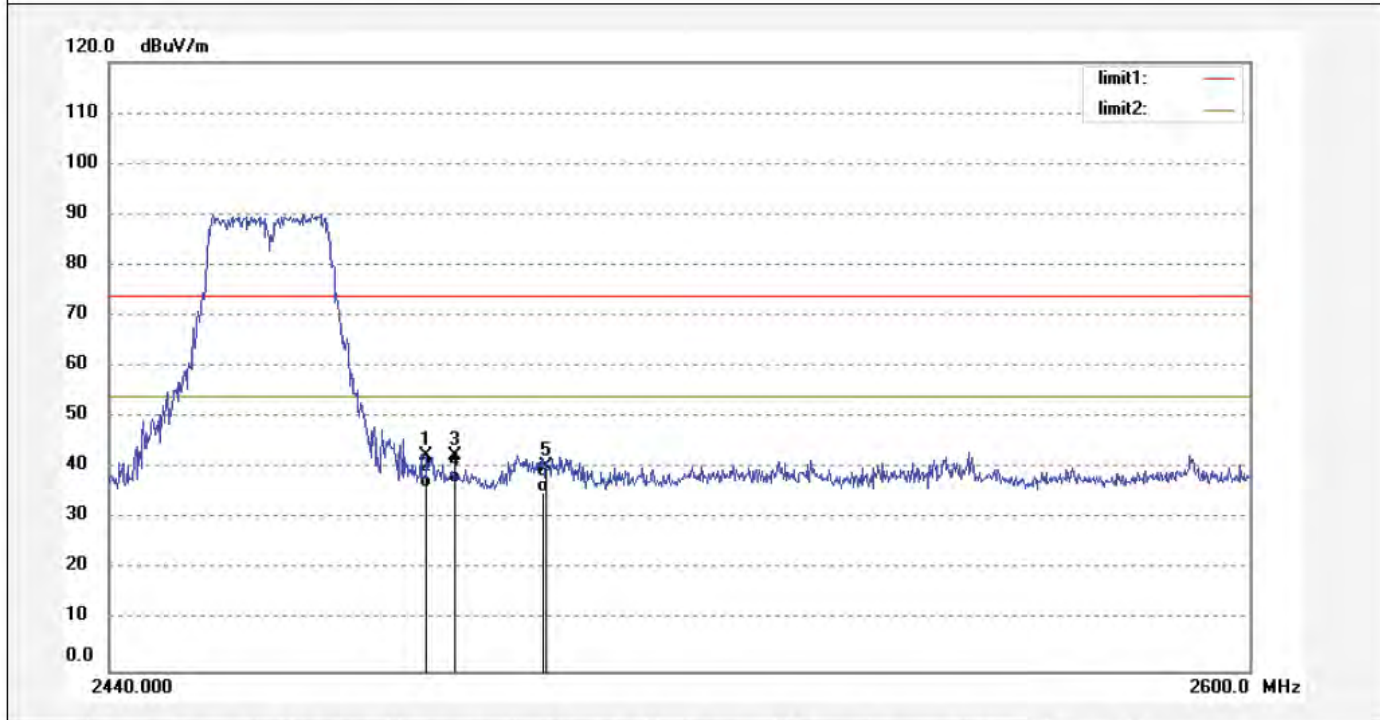
ACCURATE TECHNOLOGY CO., LTD.

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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1843	Polarization: Horizontal
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 22:09:59
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



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	49.77	-7.37	42.40	74.00	-31.60	peak			
2	2483.500	43.56	-7.37	36.19	54.00	-17.81	AVG			
3	2487.460	49.77	-7.38	42.39	74.00	-31.61	peak			
4	2487.460	44.56	-7.38	37.18	54.00	-16.82	AVG			
5	2500.000	47.88	-7.40	40.48	74.00	-33.52	peak			
6	2500.000	42.68	-7.40	35.28	54.00	-18.72	AVG			



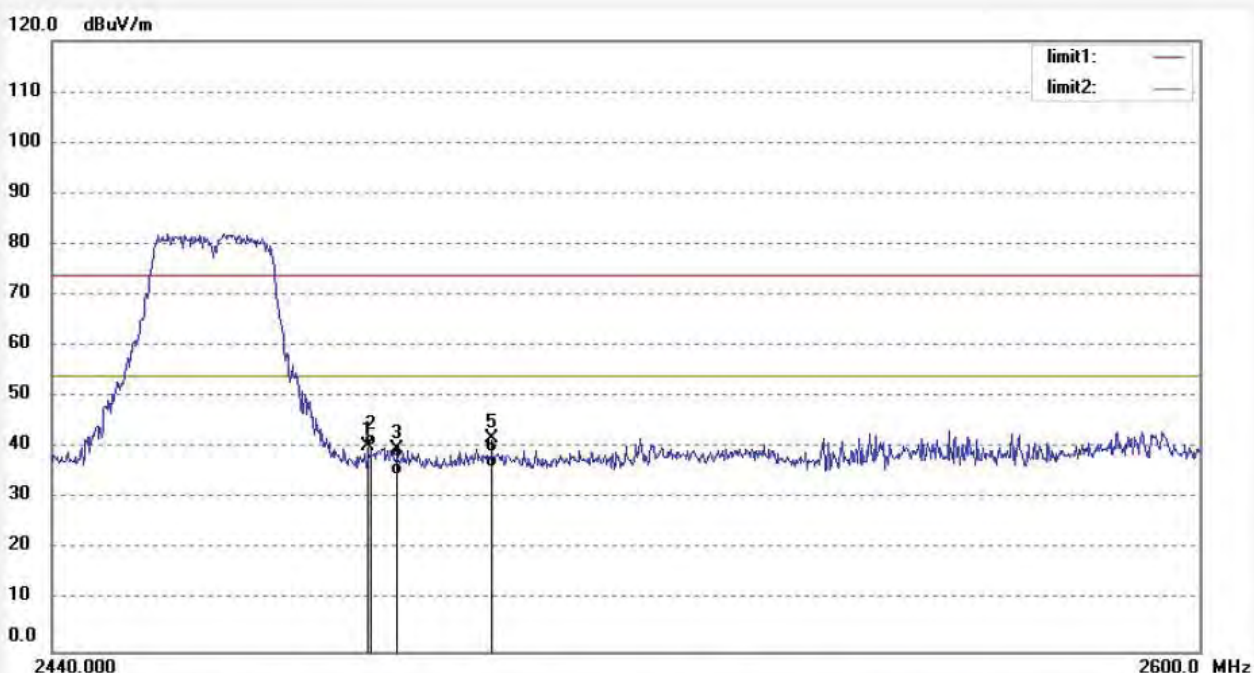
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1844	Polarization: Vertical
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 22:13:21
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.000	47.57	-7.37	40.20	74.00	-33.80	peak			
2	2483.000	41.37	-7.37	34.00	54.00	-20.00	AVG			
3	2487.000	47.04	-7.38	39.66	74.00	-34.34	peak			
4	2487.000	42.17	-7.38	34.79	54.00	-19.21	AVG			
5	2500.000	49.30	-7.40	41.90	74.00	-32.10	peak			
6	2500.000	43.68	-7.40	36.28	54.00	-17.72	AVG			



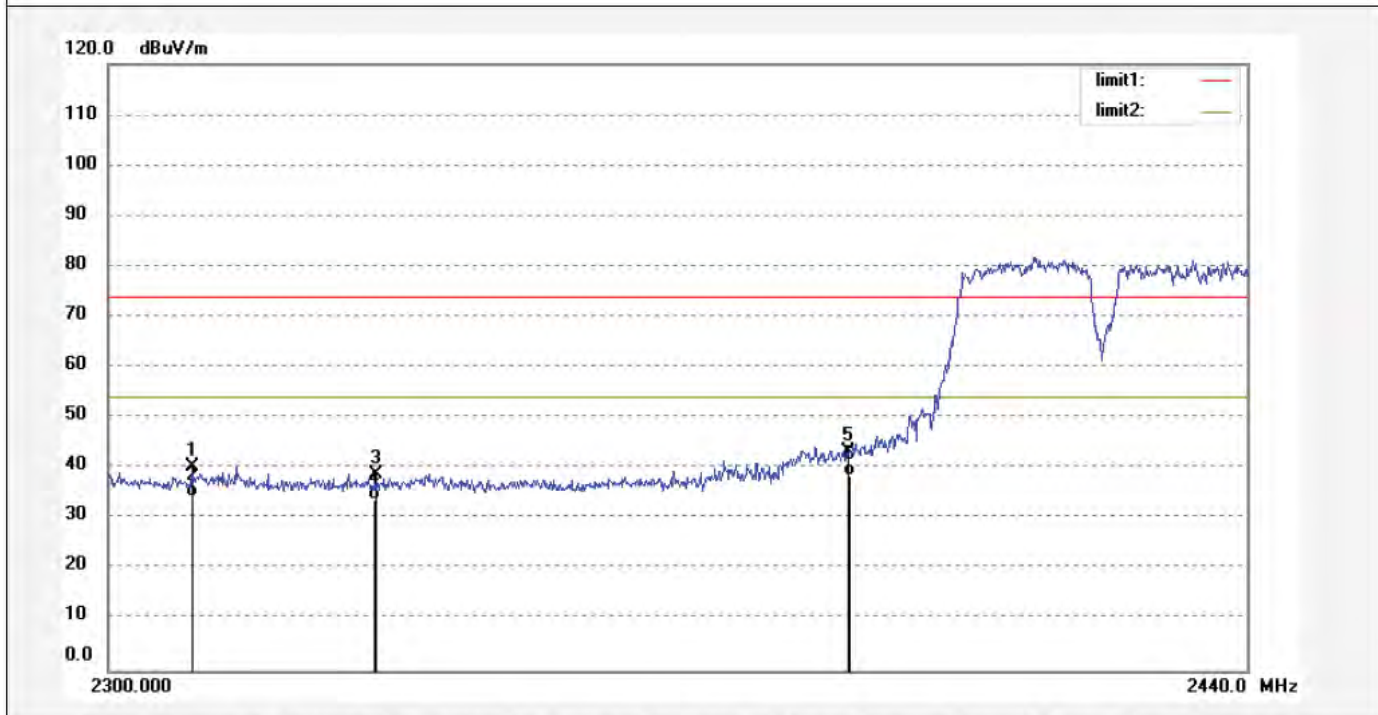
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1991	Polarization: Horizontal
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 13/08/17
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 3(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	48.12	-7.81	40.31	74.00	-33.69	peak			
2	2310.000	42.17	-7.81	34.36	54.00	-19.64	AVG			
3	2332.140	46.57	-7.81	38.76	74.00	-35.24	peak			
4	2332.140	41.68	-7.81	33.87	54.00	-20.13	AVG			
5	2390.000	50.83	-7.53	43.30	74.00	-30.70	peak			
6	2390.000	45.98	-7.53	38.45	54.00	-15.55	AVG			



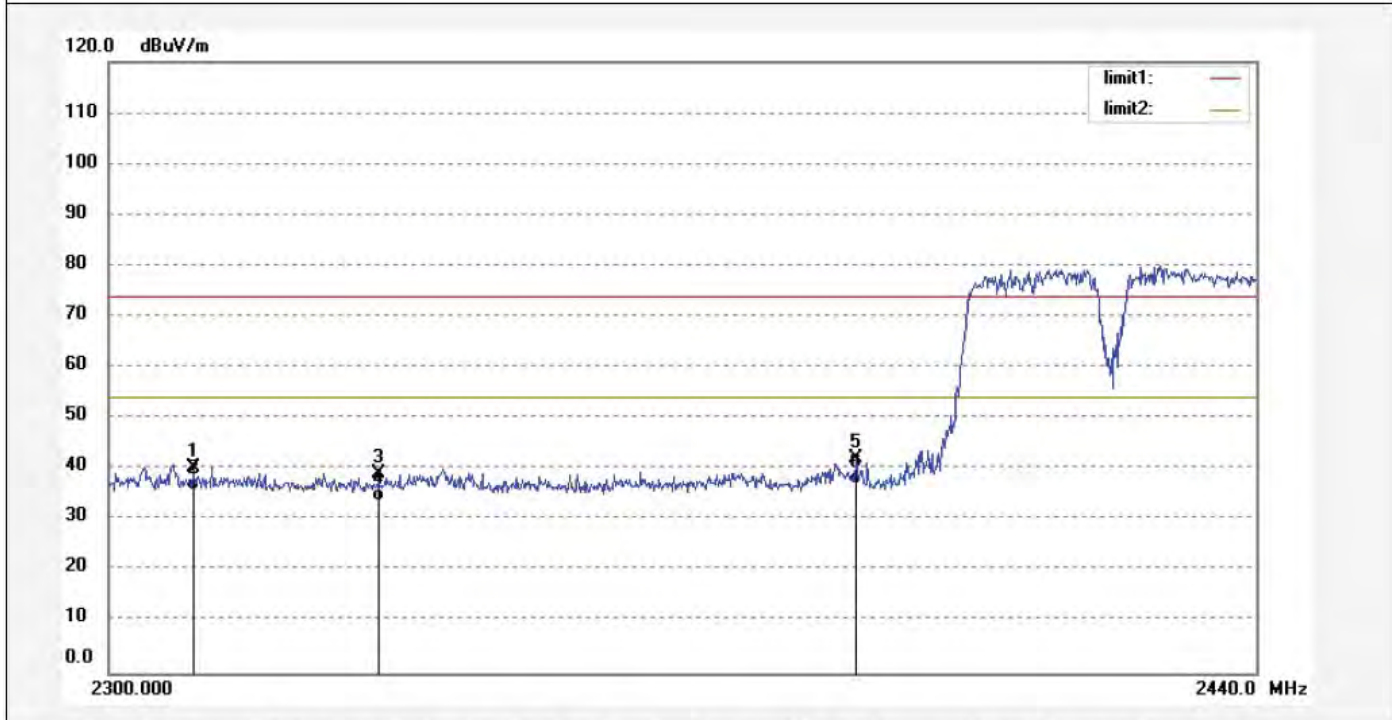
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1992	Polarization: Vertical
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 13/11/31
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 3(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2310.000	48.20	-7.81	40.39	74.00	-33.61	peak			
2	2310.000	43.58	-7.81	35.77	54.00	-18.23	AVG			
3	2332.140	46.85	-7.81	39.04	74.00	-34.96	peak			
4	2332.140	41.58	-7.81	33.77	54.00	-20.23	AVG			
5	2390.240	49.54	-7.53	42.01	74.00	-31.99	peak			
6	2390.240	44.68	-7.53	37.15	54.00	-16.85	AVG			



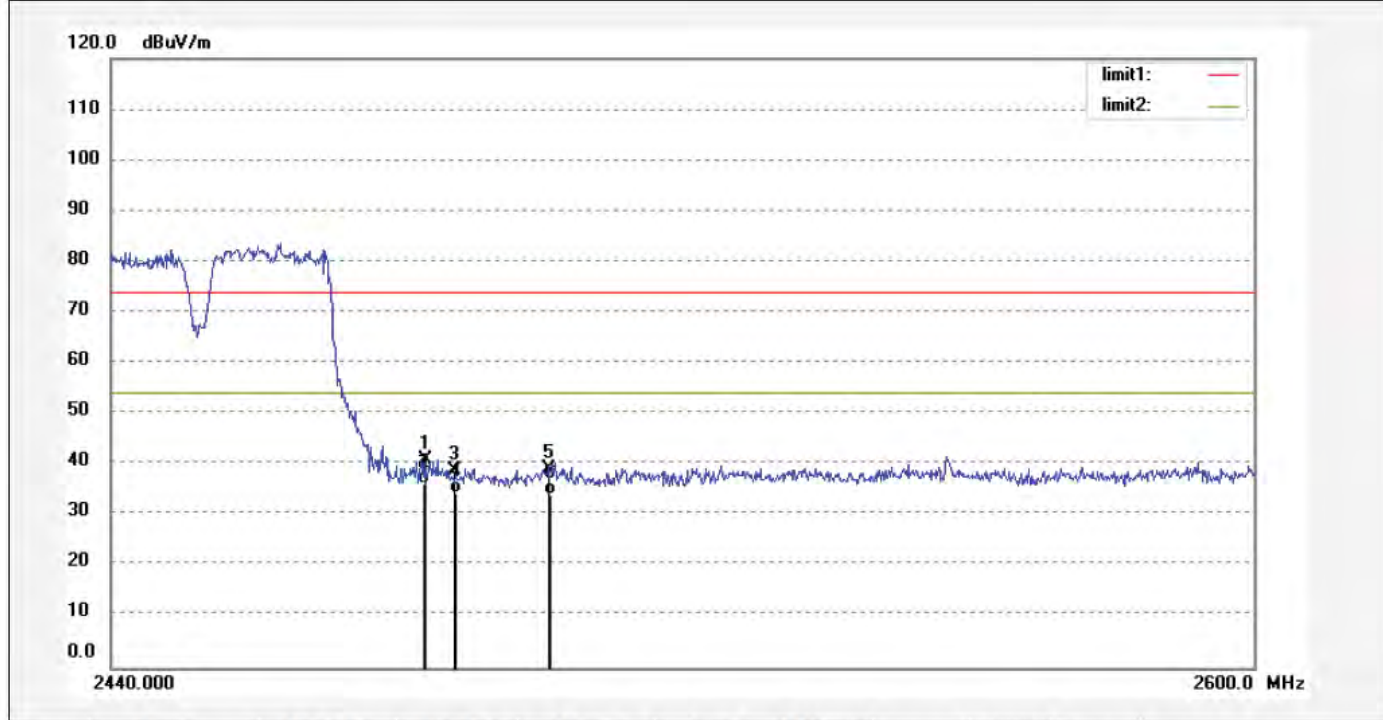
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1993	Polarization: Vertical
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 13/14/51
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 9(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.000	48.37	-7.37	41.00	74.00	-33.00	peak			
2	2483.000	43.58	-7.37	36.21	54.00	-17.79	AVG			
3	2487.000	46.33	-7.38	38.95	74.00	-35.05	peak			
4	2487.000	41.68	-7.38	34.30	54.00	-19.70	AVG			
5	2500.000	46.62	-7.40	39.22	74.00	-34.78	peak			
6	2500.000	41.35	-7.40	33.95	54.00	-20.05	AVG			



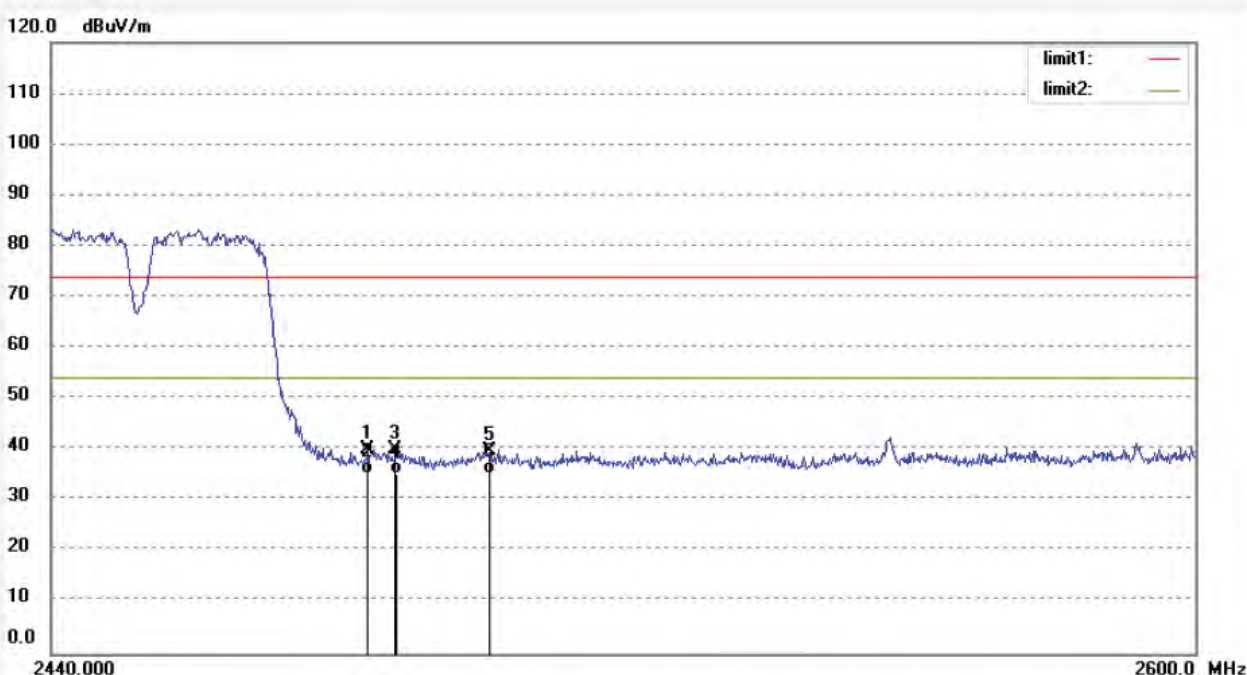
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1994	Polarization: Horizontal
Standard: FCC 15C PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/07/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 13/19/34
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 9(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899

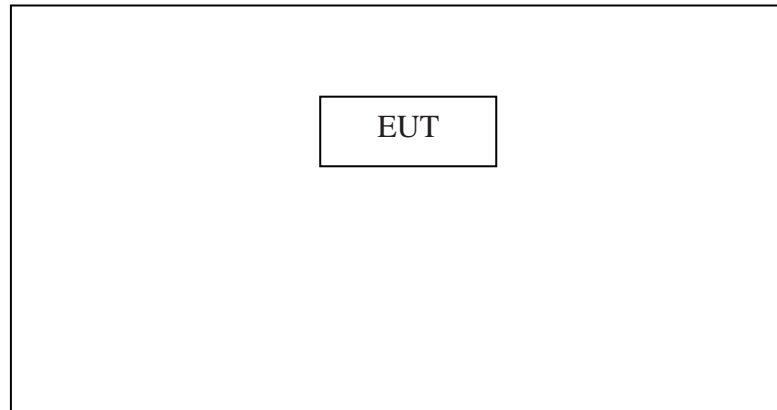


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.150	47.50	-7.37	40.13	74.00	-33.87	peak			
2	2483.150	42.57	-7.37	35.20	54.00	-18.80	AVG			
3	2487.000	47.49	-7.38	40.11	74.00	-33.89	peak			
4	2487.000	42.69	-7.38	35.31	54.00	-18.69	AVG			
5	2500.000	47.21	-7.40	39.81	74.00	-34.19	peak			
6	2500.000	42.66	-7.40	35.26	54.00	-18.74	AVG			

9. RADIATED SPURIOUS EMISSION TEST

9.1. Block Diagram of Test Setup

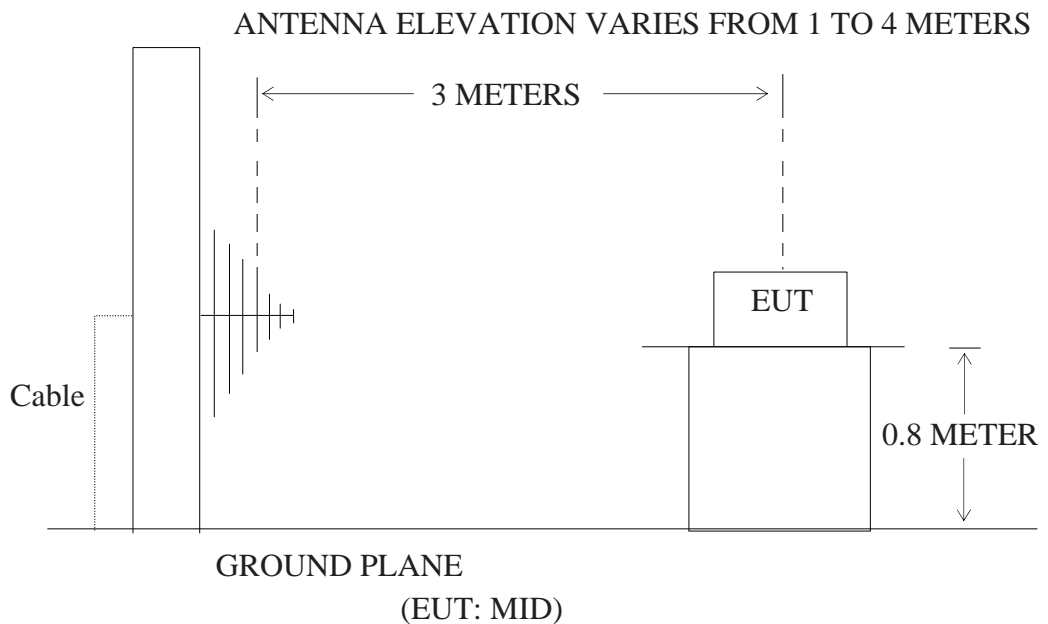
9.1.1. Block diagram of connection between the EUT and peripherals



Setup: Transmitting mode

(EUT: MID)

9.1.2. Semi-Anechoic Chamber Test Setup Diagram



9.2.The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

9.3.Restricted bands of operation

9.3.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

²Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

9.4.Configuration of EUT on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

9.4.1.MID (EUT)

Model Number : PC7011
 Serial Number : N/A
 Manufacturer : ShenZhen Natural Sound Electronics Co., Ltd

9.5.Operating Condition of EUT

9.5.1.Setup the EUT and simulator as shown as Section 9.1.

9.5.2.Turn on the power of all equipment.

9.5.3.Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

9.6.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The worst-case data rate for this channel to be 1Mbps for 802.11b mode and 6Mbps for 802.11g mode and 300Mbps for 802.11n mode, based on previous with 802.11 WLAN product design architectures.

The bandwidth of test receiver is set at 9 kHz in below 30MHz. and set at 120 kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The frequency range from 9 kHz to 25GHz is checked.

The final measurement in band 9-90 kHz, 110-490 kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

9.7. The Field Strength of Radiation Emission Measurement Results

PASS.

Date of Test:	Sep 6, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC7011	Power Supply:	AC 120V/60HZ
Test Mode:	802.11b Channel Low 2412MHz	Test Engineer:	Bob

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
602.9287	13.44	25.59	39.03	46.00	-6.97	Vertical
862.8015	11.04	28.64	38.68	46.00	-6.32	Vertical
945.3336	11.39	29.46	40.85	46.00	-5.15	Vertical
421.3287	15.80	23.16	38.96	46.00	-7.04	Horizontal
815.6352	12.59	28.02	40.61	46.00	-5.39	Horizontal
935.4214	11.01	29.26	40.27	46.00	-5.73	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	Sep 6, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC7011	Power Supply:	AC 120V/60HZ
Test Mode:	802.11b Channel Middle 2437MHz	Test Engineer:	Bob

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
605.0509	16.02	25.64	41.66	46.00	-4.34	Vertical
716.2038	13.40	27.05	40.45	46.00	-5.45	Vertical
887.3978	11.71	28.77	40.48	46.00	-5.52	Vertical
644.5531	13.43	26.08	39.51	46.00	-6.49	Horizontal
747.0467	13.62	27.57	41.19	46.00	-4.81	Horizontal
850.7603	11.67	28.36	40.03	46.00	-5.97	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	Sep 6, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC7011	Power Supply:	AC 120V/60HZ
Test Mode:	802.11b Channel High 2462MHz	Test Engineer:	Bob

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
565.9776	15.02	25.27	40.29	46.00	-5.71	Vertical
644.5531	14.28	26.08	40.36	46.00	-5.64	Vertical
850.7603	12.11	28.36	40.47	46.00	-5.53	Vertical
644.5531	14.60	26.08	40.68	46.00	-5.32	Horizontal
747.0467	12.50	27.57	40.07	46.00	-5.93	Horizontal
850.7603	12.28	28.36	40.64	46.00	-5.36	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	Sep 6, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC7011	Power Supply:	AC 120V/60HZ
Test Mode:	802.11g Channel Low 2412MHz	Test Engineer:	Bob

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
565.9776	14.29	25.27	39.56	46.00	-6.44	Vertical
605.0509	14.25	25.64	39.89	46.00	-6.11	Vertical
686.6342	12.79	26.37	39.16	46.00	-6.84	Vertical
421.3287	15.17	23.16	38.33	46.00	-7.67	Horizontal
815.6352	12.54	28.02	40.56	46.00	-5.44	Horizontal
887.3978	11.59	28.77	40.36	46.00	-5.64	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	Sep 6, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC7011	Power Supply:	AC 120V/60HZ
Test Mode:	802.11g Channel Middle 2437MHz	Test Engineer:	Bob

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
498.7303	16.33	23.98	40.31	46.00	-5.69	Vertical
565.9776	15.86	25.27	41.13	46.00	-4.87	Vertical
644.5531	14.95	26.08	41.03	46.00	-4.97	Vertical
389.9874	16.70	21.88	38.58	46.00	-7.42	Horizontal
850.7603	11.78	28.36	40.14	46.00	-5.86	Horizontal
925.6132	11.26	29.16	40.42	46.00	-5.58	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	Sep 6, 2012	Temperature:	25°C
EUT:	MID	Humidity:	50%
Model No.:	PC7011	Power Supply:	AC 120V/60HZ
Test Mode:	802.11g Channel High 2462MHz	Test Engineer:	Bob

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)		Factor(dB) Corr.	Result (dBμV/m)		Limit (dBμV/m)		Margin (dB)		Polarization
	QP			QP		QP		QP		
-	-	-	-	-	-	-	-	-	-	X
-	-	-	-	-	-	-	-	-	-	Y
-	-	-	-	-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)		Factor Corr. (dB)	Result (dBμV/m)		Limit (dBμV/m)		Margin (dB)		Polarization
	QP			QP		QP		QP		
565.9773	15.66		25.27	40.93		46.00		-5.07		Vertical
686.6342	14.60		26.37	40.97		46.00		-5.03		Vertical
850.7603	12.50		28.36	40.86		46.00		-5.14		Vertical
747.0467	12.99		27.57	40.56		46.00		-5.44		Horizontal
779.2179	13.02		27.83	40.85		46.00		-5.15		Horizontal
850.7603	13.03		28.36	41.39		46.00		-4.61		Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>Sep 6, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
	<u>802.11n Channel Low 2412MHz</u>		
Test Mode:	<u>(20MHz)</u>	Test Engineer:	<u>Bob</u>

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
498.7302	13.56	23.98	37.54	46.00	-8.46	Vertical
605.0507	13.75	25.64	39.39	46.00	-6.61	Vertical
815.6352	9.46	28.02	37.48	46.00	-8.52	Vertical
421.3287	14.17	23.16	37.33	46.00	-8.67	Horizontal
815.6352	12.04	28.02	40.06	46.00	-5.94	Horizontal
887.3976	12.59	28.77	41.36	46.00	-4.64	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

Date of Test:	<u>Sep 6, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
	<u>802.11n Channel Middle 2437MHz</u>		
Test Mode:	<u>(20MHz)</u>	Test Engineer:	<u>Bob</u>

For Below 30MHz

Frequency (MHz)	Reading (dB μ V/m)	Factor(dB) Corr.	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
498.7303	14.85	23.98	38.83	46.00	-7.17	Vertical
644.5531	14.63	26.08	40.71	46.00	-5.29	Vertical
850.7603	12.92	28.36	41.28	46.00	-4.72	Vertical
421.3287	16.41	23.16	39.57	46.00	-6.43	Horizontal
815.6352	14.81	23.55	38.36	46.00	-7.64	Horizontal
887.3976	10.67	28.02	38.69	46.00	-7.31	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>Sep 6, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
	<u>802.11n Channel High 2462MHz</u>		
Test Mode:	<u>(20MHz)</u>	Test Engineer:	<u>Bob</u>

For Below 30MHz

Frequency (MHz)	Reading (dBµV/m)		Factor(dB) Corr.	Result (dBµV/m)		Limit (dBµV/m)	Margin (dB)	Polarization
	QP			QP				
-	-	-	-	-	-	-	-	X
-	-	-	-	-	-	-	-	Y
-	-	-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBµV/m)		Factor Corr. (dB)	Result (dBµV/m)		Limit (dBµV/m)	Margin (dB)	Polarization
	QP			QP				
565.9776	14.87		25.27	40.14		46.00	-5.86	Vertical
686.6342	13.67		26.37	40.04		46.00	-5.96	Vertical
850.7603	12.19		28.36	40.55		46.00	-5.45	Vertical
644.5531	14.93		26.08	41.01		46.00	-4.99	Horizontal
686.6342	14.47		26.37	40.84		46.00	-5.16	Horizontal
850.7603	12.27		28.36	40.63		46.00	-5.37	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBµV/m)		Factor Corr. (dB)	Result(dBµV/m)		Limit(dBµV/m)		Margin(dBµV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

Date of Test:	<u>Sep 6, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
Test Mode:	<u>802.11n Channel Low 2422MHz (40MHz)</u>	Test Engineer:	<u>Bob</u>

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
602.9287	12.43	25.59	38.01	46.00	-7.99	Vertical
644.5534	13.94	26.08	40.02	46.00	-5.98	Vertical
850.7603	11.81	28.36	40.17	46.00	-5.83	Vertical
644.5531	11.76	26.08	37.84	46.00	-8.16	Horizontal
779.2179	11.58	27.83	39.41	46.00	-6.59	Horizontal
850.7603	11.27	28.36	39.63	46.00	-6.37	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

Date of Test:	<u>Sep 6, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
	<u>802.11n Channel Middle 2437MHz</u>		
Test Mode:	<u>(40MHz)</u>	Test Engineer:	<u>Bob</u>

For Below 30MHz

Frequency (MHz)	Reading (dB μ V/m)	Factor(dB) Corr.	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dB μ V/m)	Factor Corr. (dB)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
565.9446	14.43	25.27	39.70	46.00	-6.30	Vertical
747.0467	10.72	27.57	38.29	46.00	-7.71	Vertical
925.6132	9.53	29.16	38.69	46.00	-7.31	Vertical
605.0509	13.42	25.64	39.06	46.00	-6.94	Horizontal
644.5531	14.83	26.08	40.91	46.00	-5.09	Horizontal
850.7603	12.04	28.36	40.40	46.00	-5.60	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dB μ V/m)		Factor Corr. (dB)	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB μ V/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**

Date of Test:	<u>Sep 6, 2012</u>	Temperature:	<u>25°C</u>
EUT:	<u>MID</u>	Humidity:	<u>50%</u>
Model No.:	<u>PC7011</u>	Power Supply:	<u>AC 120V/60HZ</u>
	<u>802.11n Channel High 2452MHz</u>		
Test Mode:	<u>(40MHz)</u>	Test Engineer:	<u>Bob</u>

For Below 30MHz

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
-	-	-	-	-	-	X
-	-	-	-	-	-	Y
-	-	-	-	-	-	Z

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
565.0563	12.33	28.36	40.37	46.00	-8.40	Vertical
605.3214	12.24	25.64	37.88	46.00	-8.12	Vertical
850.0475	12.01	28.36	40.37	46.00	-5.63	Vertical
644.5531	13.90	26.08	39.98	46.00	-6.02	Horizontal
850.7603	12.42	28.36	40.78	46.00	-5.22	Horizontal
887.3978	11.53	28.77	40.30	46.00	-5.70	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dBμV/m)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.**2. *: Denotes restricted band of operation.**



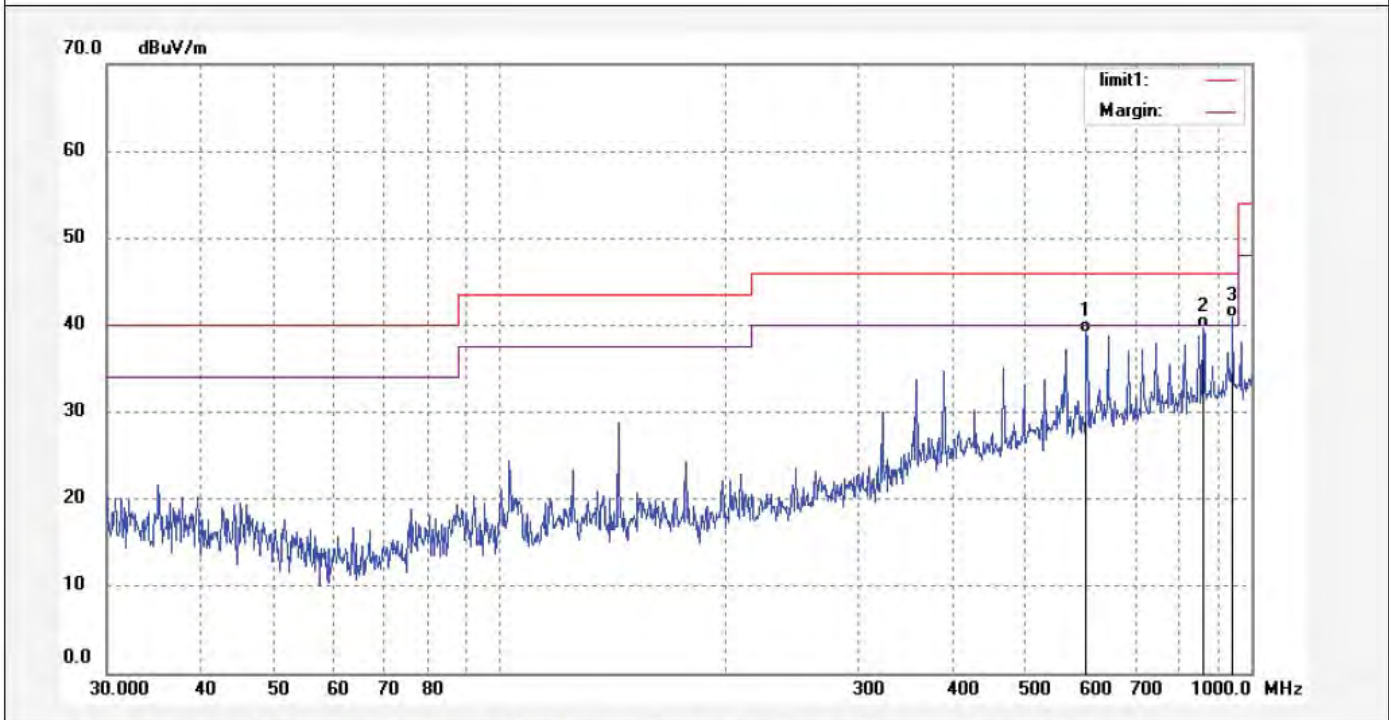
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1924	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/23/36
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	602.9287	13.44	25.59	39.03	46.00	-6.97	QP			
2	862.8015	11.04	28.64	39.68	46.00	-6.32	QP			
3	945.3336	11.39	29.46	40.85	46.00	-5.15	QP			



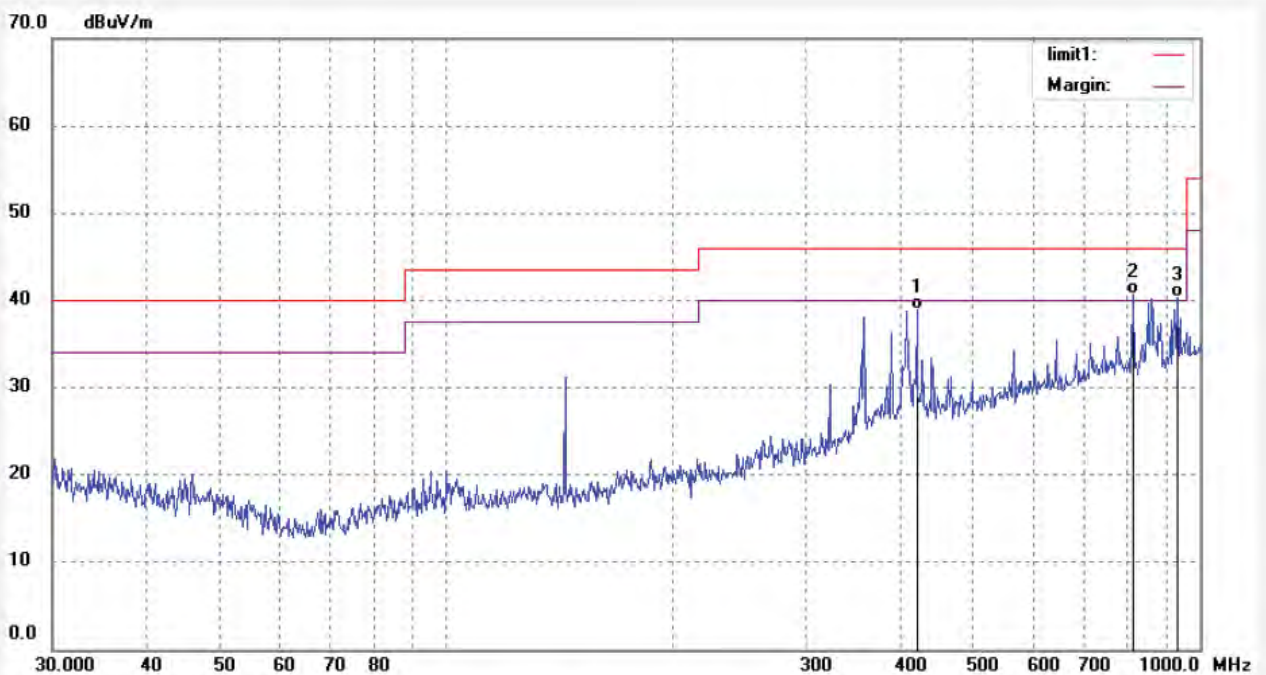
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1925 Standard: FCC Class B 3M Radiated Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 51 % EUT: MID Mode: TX Channel 1(802.11b) Model: PC7011 Manufacturer: Natural Sound	Polarization: Horizontal Power Source: AC 120V/60Hz Date: 12/09/06/ Time: 10/26/18 Engineer Signature: Bob Distance: 3m
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Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	421.3287	15.80	23.16	38.96	46.00	-7.04	QP			
2	815.6352	12.59	28.02	40.61	46.00	-5.39	QP			
3	935.4214	11.01	29.26	40.27	46.00	-5.73	QP			



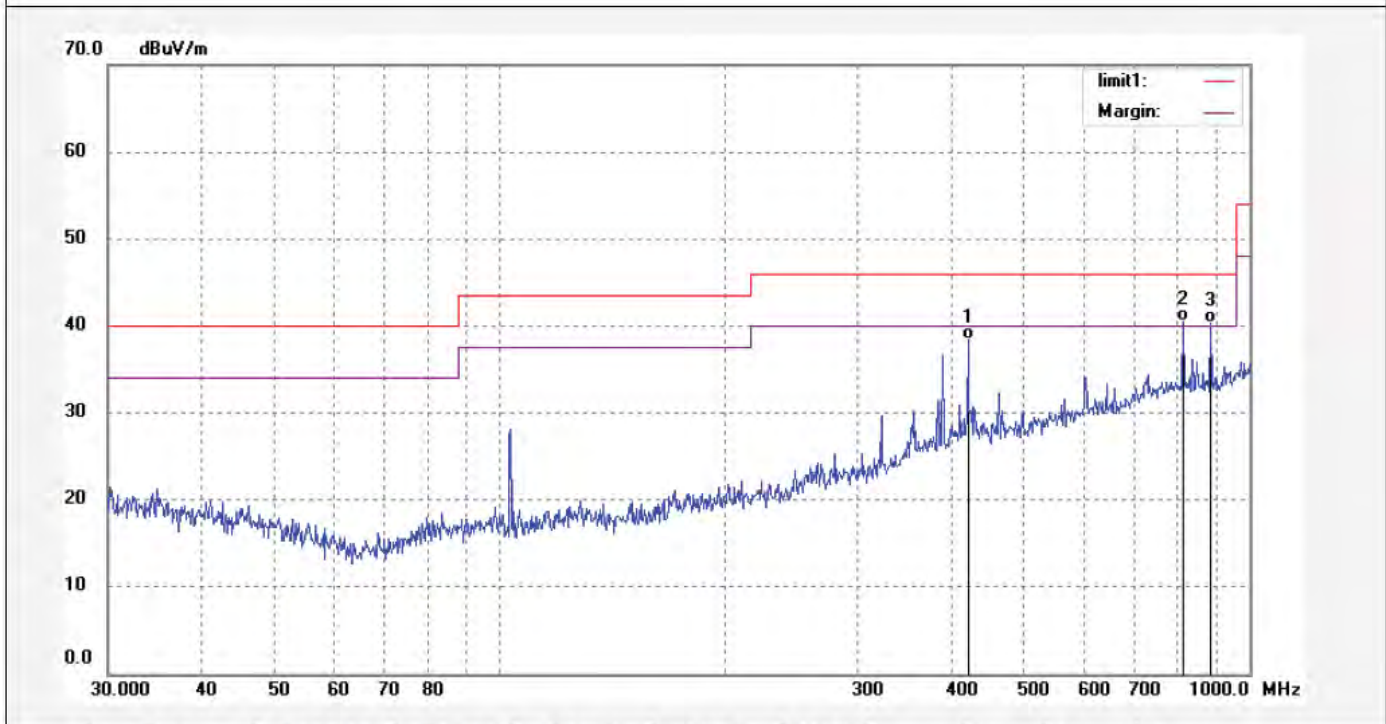
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1926	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/29/35
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	421.3287	15.17	23.16	38.33	46.00	-7.67	QP			
2	815.6352	12.54	28.02	40.56	46.00	-5.44	QP			
3	887.3978	11.59	28.77	40.36	46.00	-5.64	QP			



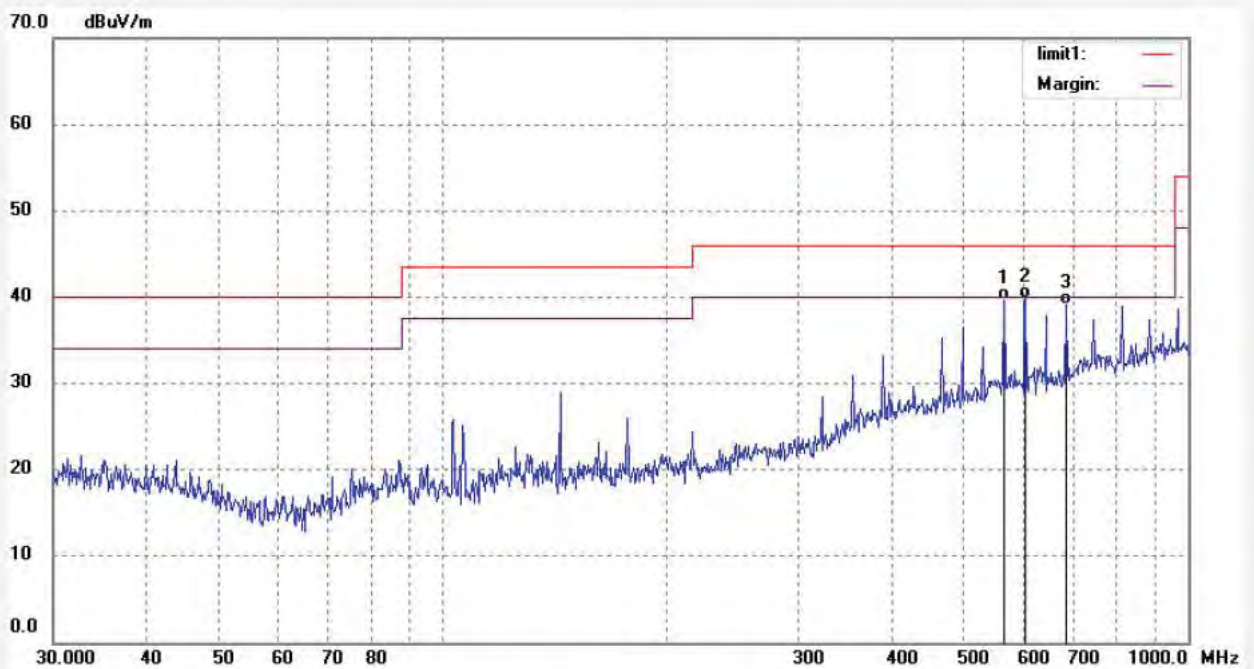
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
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Job No.: Bob #1927	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/32/09
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	14.29	25.27	39.56	46.00	-6.44	QP			
2	605.0509	14.25	25.64	39.89	46.00	-6.11	QP			
3	686.6342	12.79	26.37	39.16	46.00	-6.84	QP			



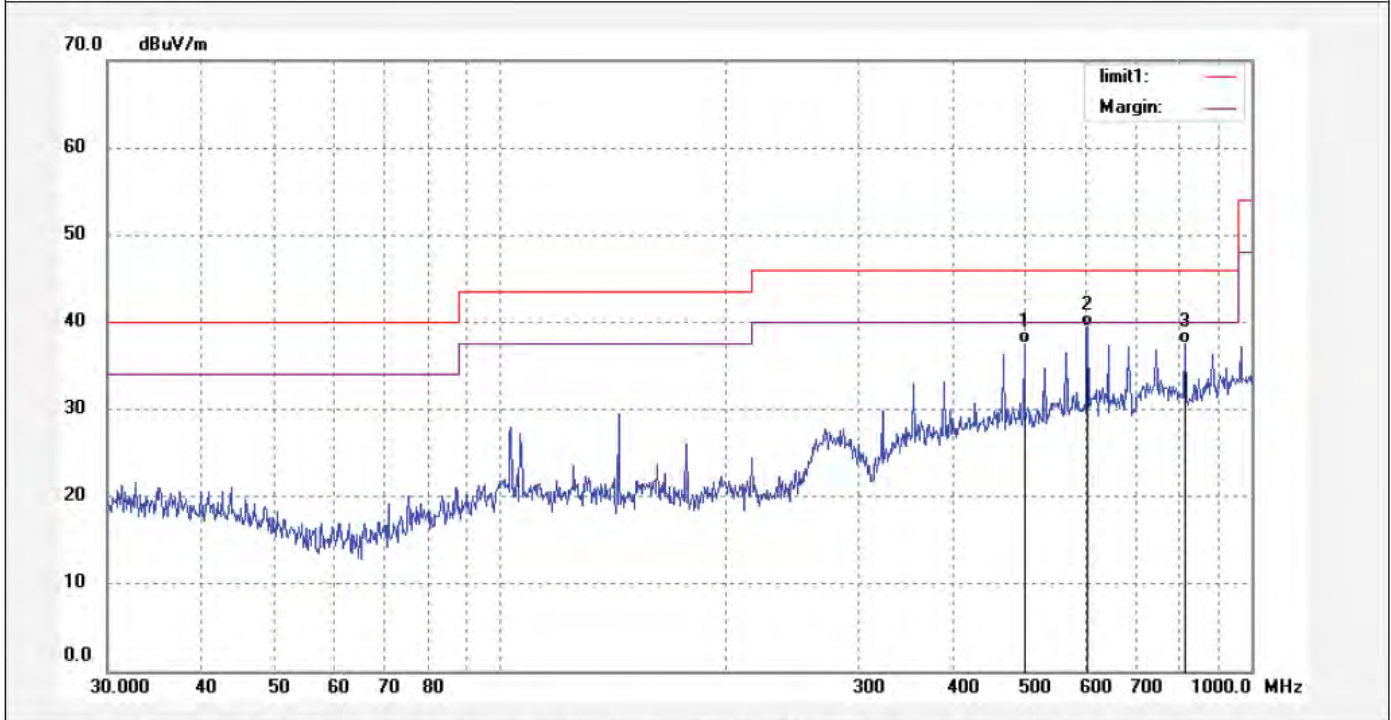
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
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Job No.: Bob #1928	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/35/09
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	498.7302	13.56	23.98	37.54	46.00	-8.46	QP			
2	605.0507	13.75	25.64	39.39	46.00	-6.61	QP			
3	815.6352	9.46	28.02	37.48	46.00	-8.52	QP			



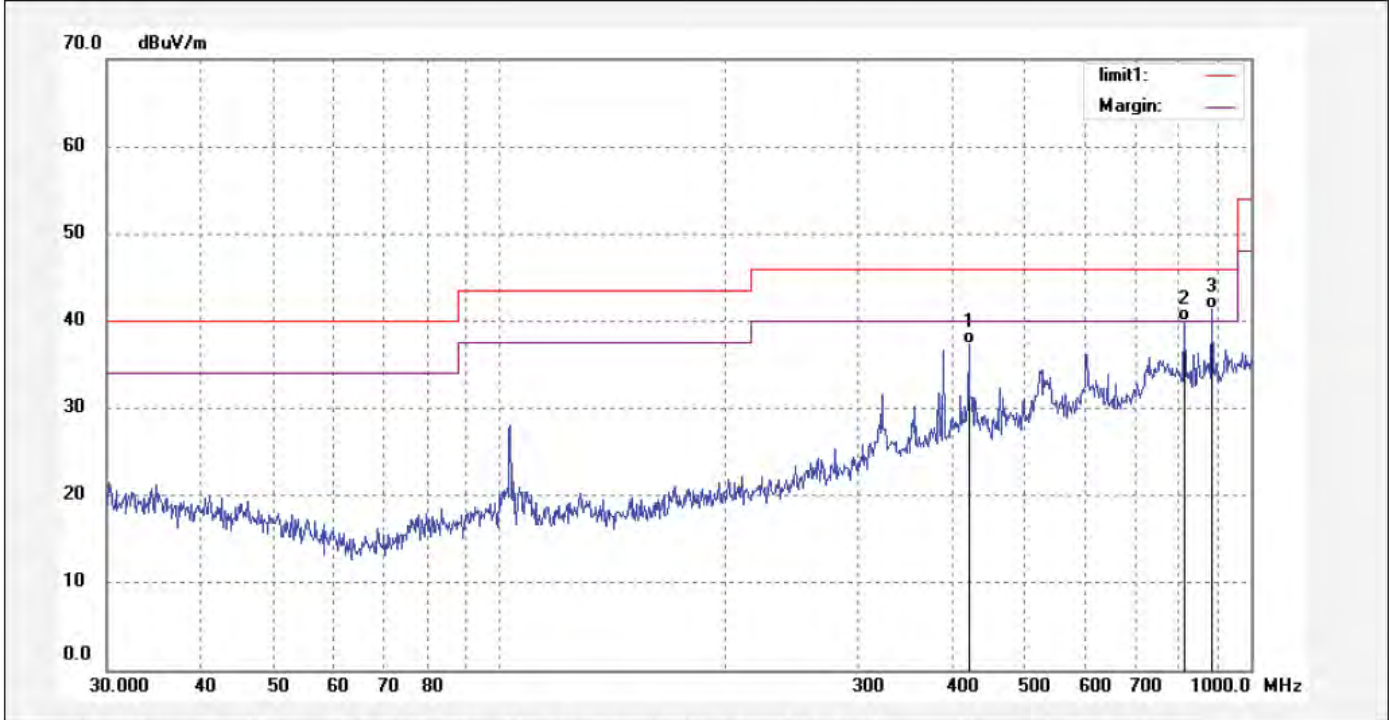
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1929	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/38/35
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 1(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	421.3287	14.17	23.16	37.33	46.00	-8.67	QP			
2	815.6352	12.04	28.02	40.06	46.00	-5.94	QP			
3	887.3976	12.59	28.77	41.36	46.00	-4.64	QP			



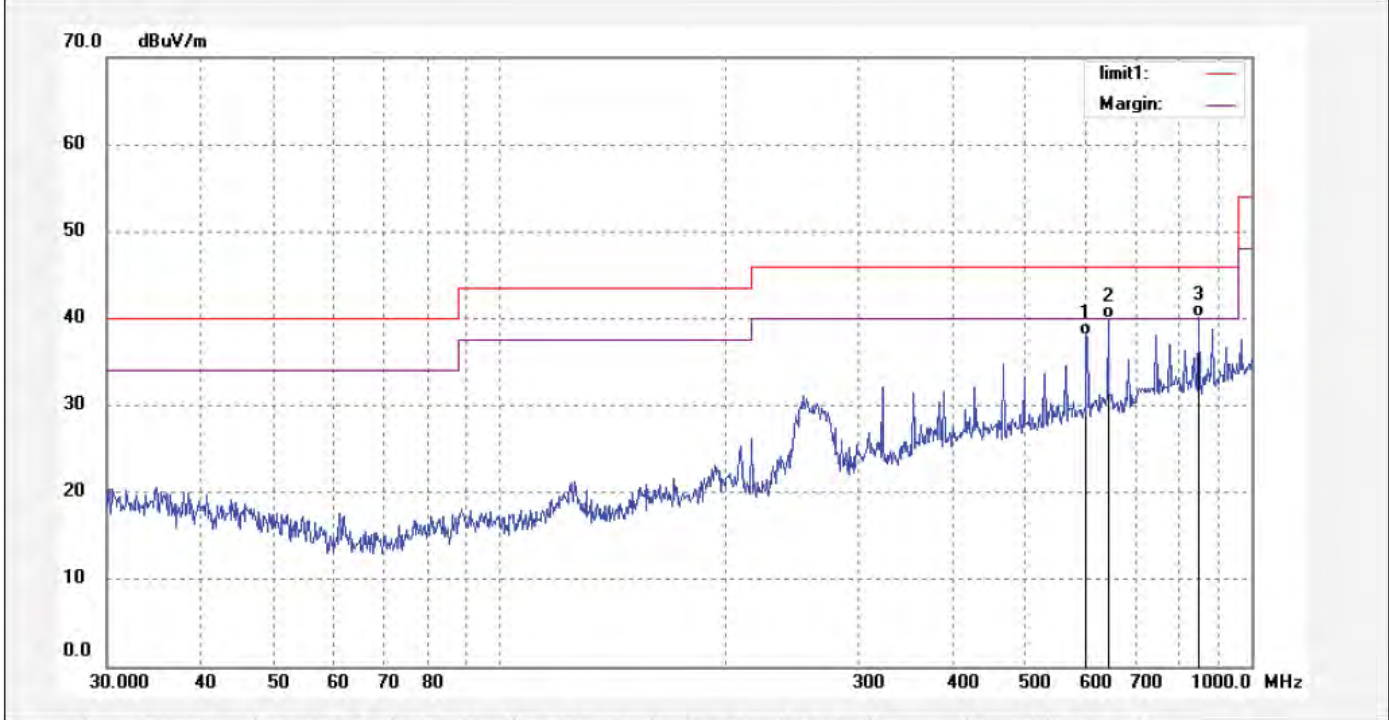
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
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Job No.: Bob #2009	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:44:26
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 3(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	602.9287	12.42	25.59	38.01	46.00	-7.99	QP			
2	644.5531	13.94	26.08	40.02	46.00	-5.98	QP			
3	850.7603	11.81	28.36	40.17	46.00	-5.83	QP			



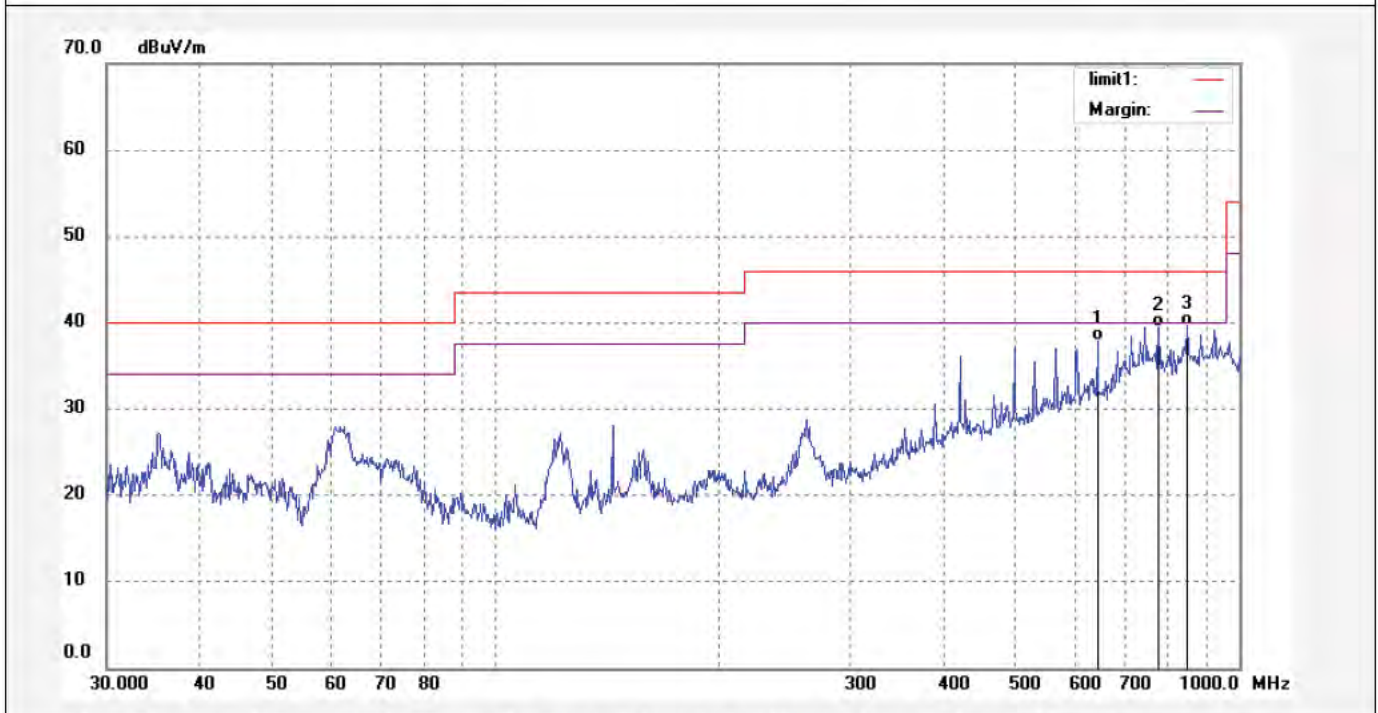
ACCURATE TECHNOLOGY CO., LTD.

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Site: 966 chamber
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Job No.: Bob #2010	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:47:05
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 3(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	11.76	26.08	37.84	46.00	-8.16	QP			
2	779.2179	11.58	27.83	39.41	46.00	-6.59	QP			
3	850.7603	11.27	28.36	39.63	46.00	-6.37	QP			



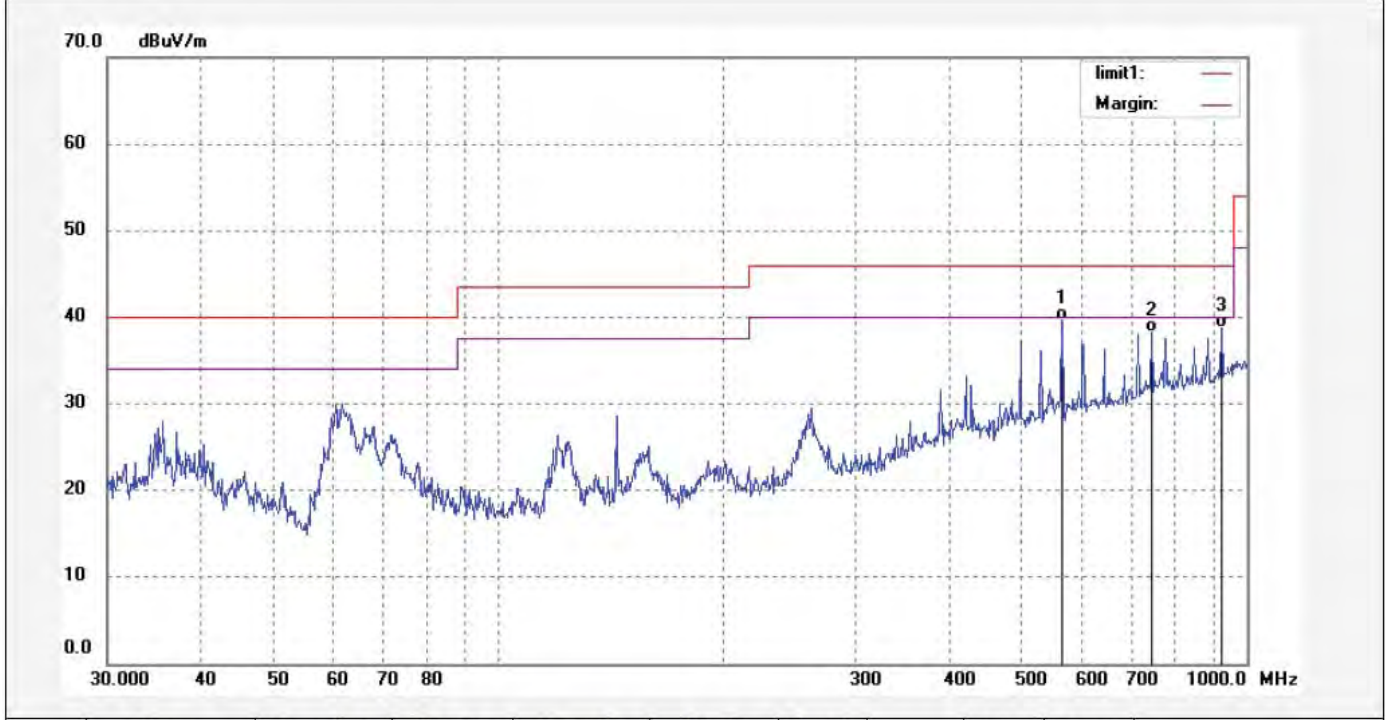
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Site: 966 chamber
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Job No.: Bob #2011	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:50:46
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	14.43	25.27	39.70	46.00	-6.30	QP			
2	747.0467	10.72	27.57	38.29	46.00	-7.71	QP			
3	925.6132	9.53	29.16	38.69	46.00	-7.31	QP			



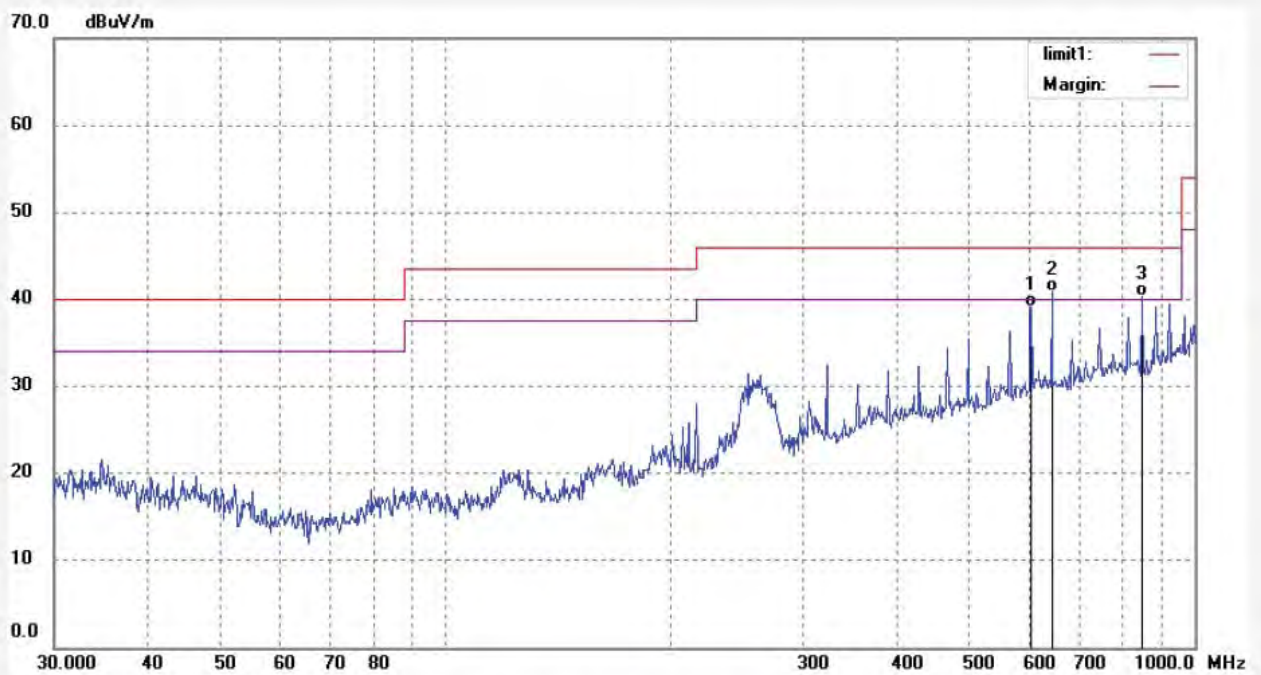
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2012	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:53:21
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	605.0509	13.42	25.64	39.06	46.00	-6.94	QP			
2	644.5531	14.83	26.08	40.91	46.00	-5.09	QP			
3	850.7603	12.04	28.36	40.40	46.00	-5.60	QP			



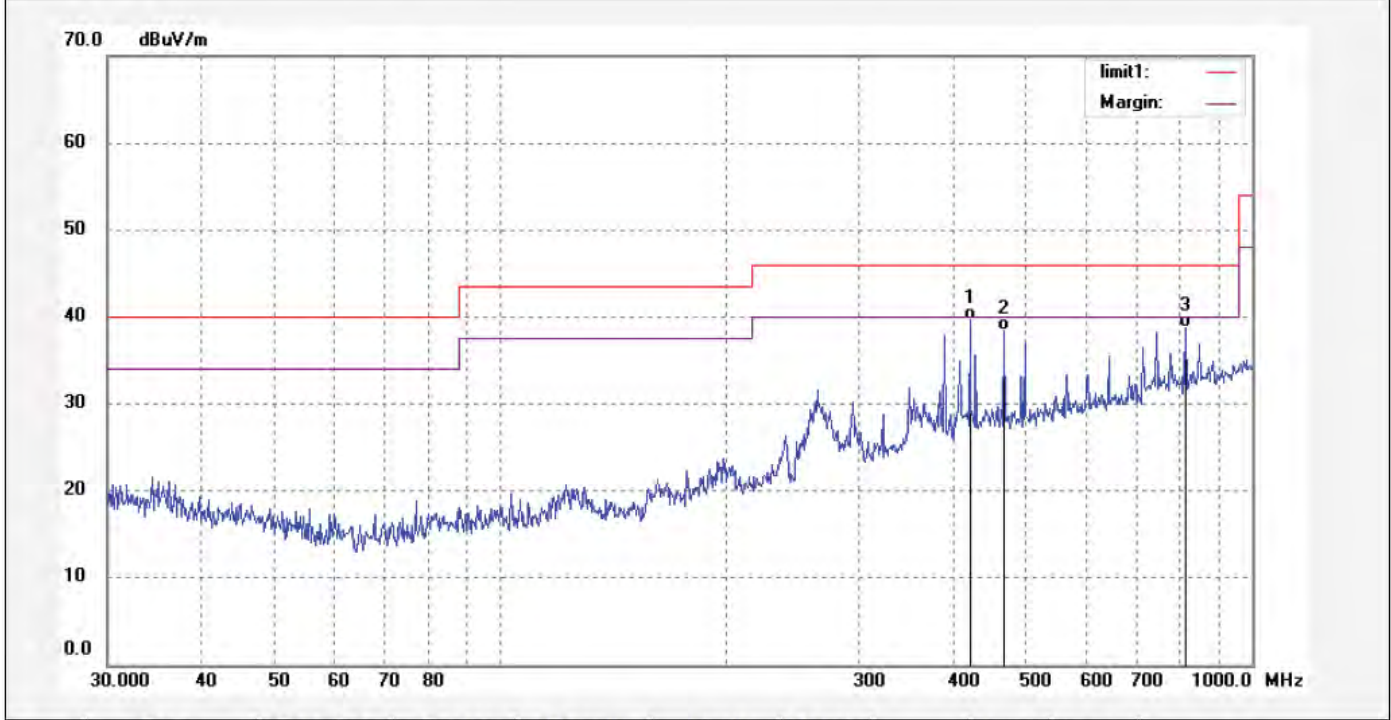
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1930	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/41/46
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATEATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	421.3287	16.41	23.16	39.57	46.00	-6.43	QP			
2	468.1650	14.81	23.55	38.36	46.00	-7.64	QP			
3	815.6352	10.67	28.02	38.69	46.00	-7.31	QP			



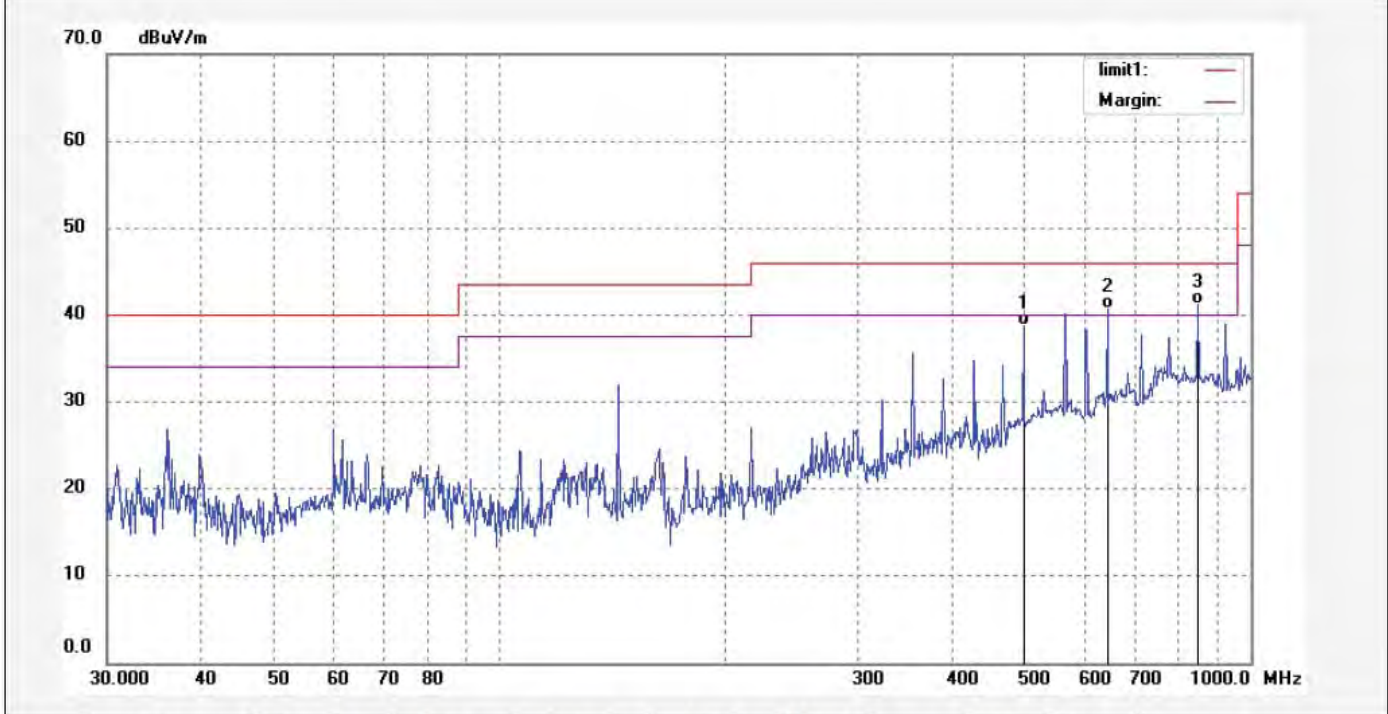
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1931	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/44/24
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	498.7303	14.85	23.98	38.83	46.00	-7.17	QP			
2	644.5531	14.63	26.08	40.71	46.00	-5.29	QP			
3	850.7603	12.92	28.36	41.28	46.00	-4.72	QP			



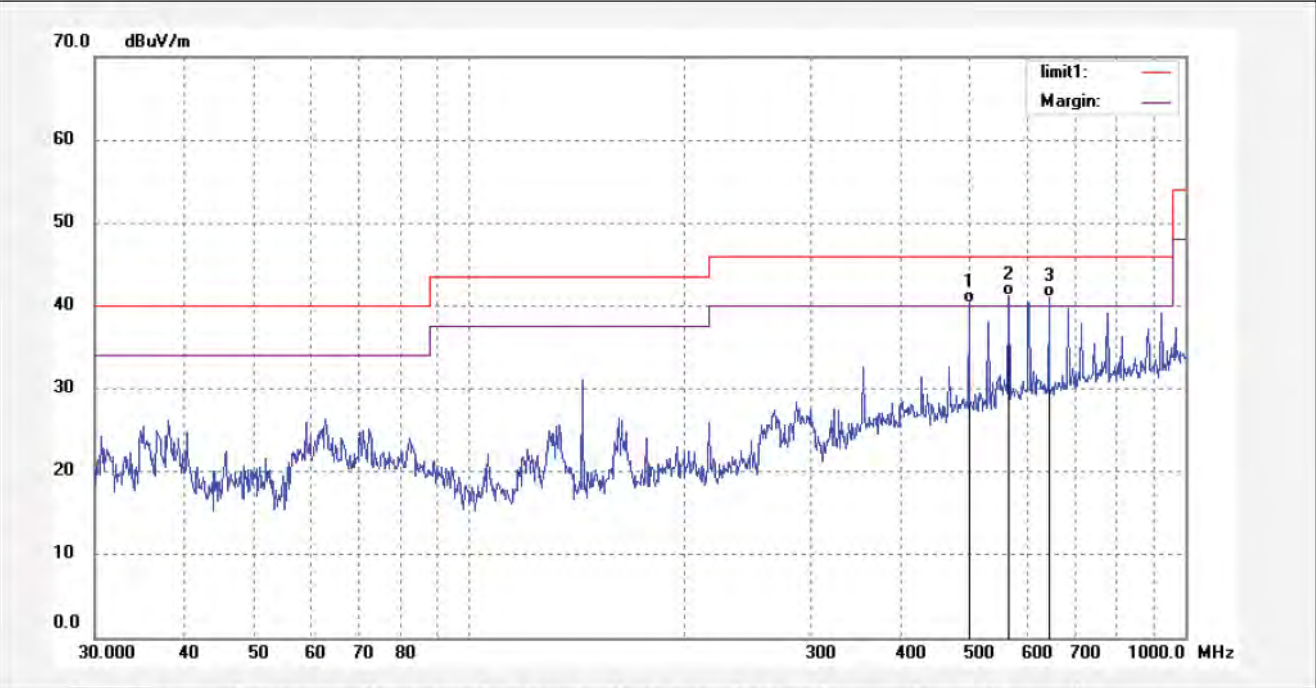
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1932	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/47/22
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11g)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	498.7303	16.33	23.98	40.31	46.00	-5.69	QP			
2	565.9776	15.86	25.27	41.13	46.00	-4.87	QP			
3	644.5531	14.95	26.08	41.03	46.00	-4.97	QP			



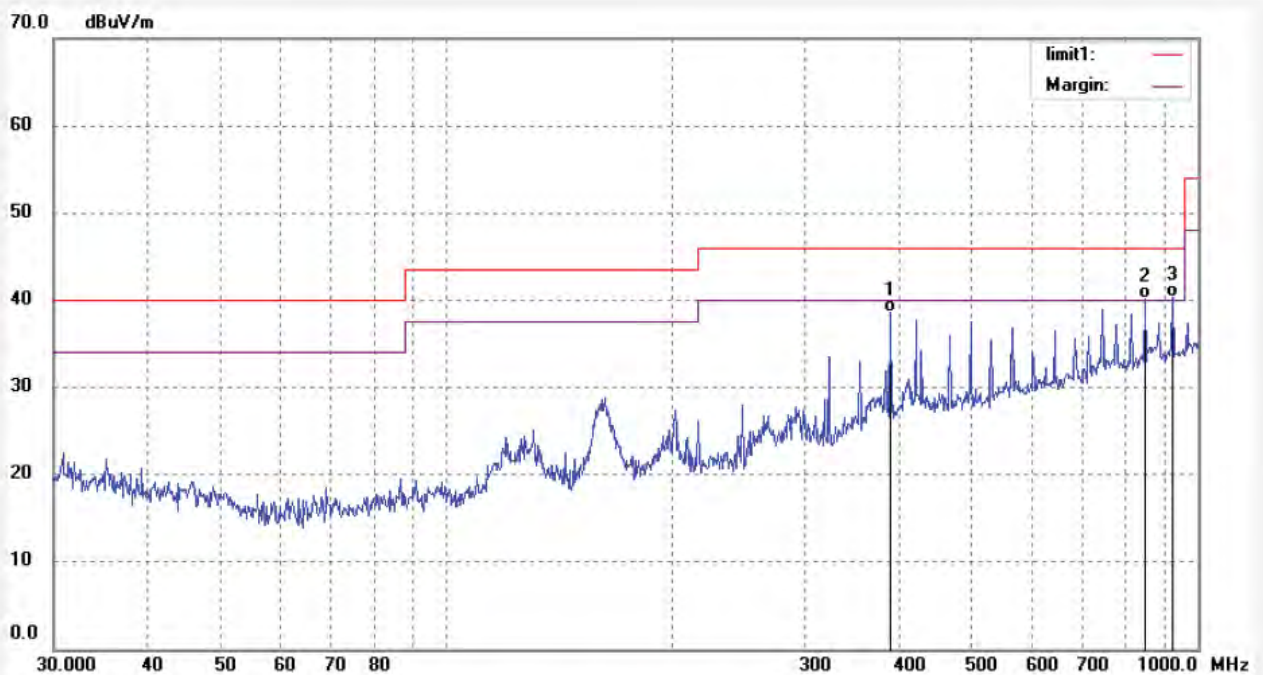
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1933	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/50/02
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11g)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	389.9874	16.70	21.88	38.58	46.00	-7.42	QP			
2	850.7603	11.78	28.36	40.14	46.00	-5.86	QP			
3	925.6132	11.26	29.16	40.42	46.00	-5.58	QP			



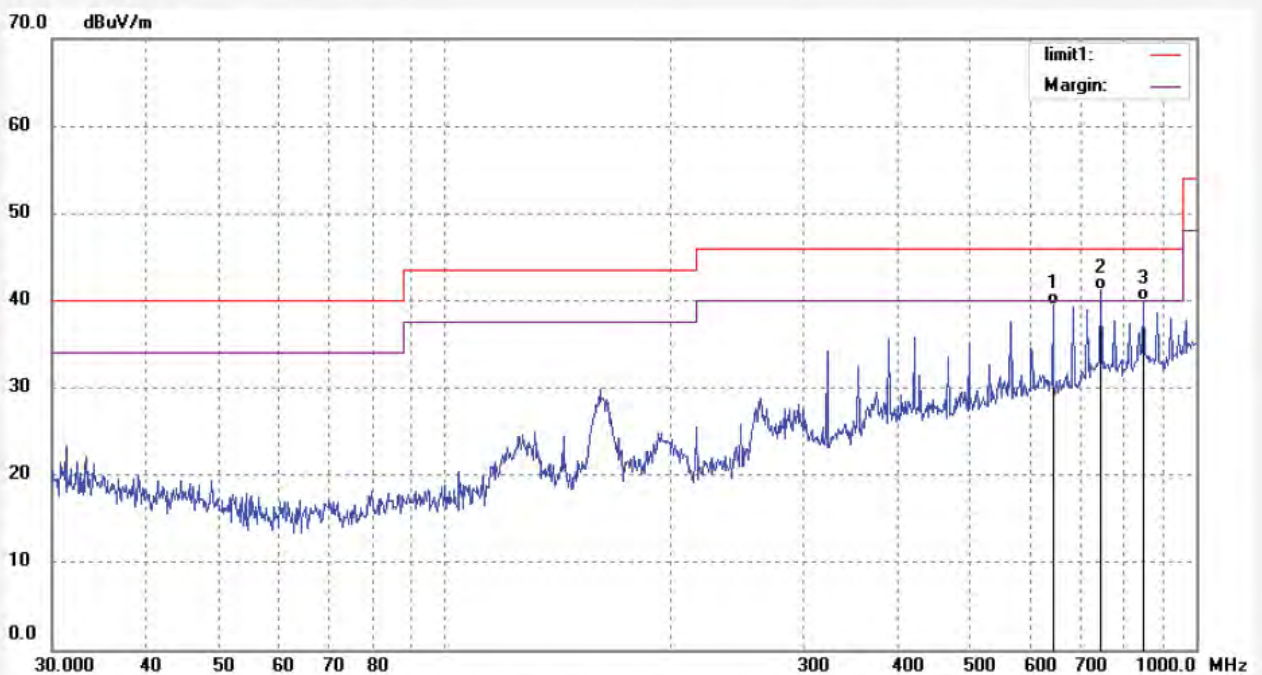
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1934	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/53/45
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11b)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	13.43	26.08	39.51	46.00	-6.49	QP			
2	747.0467	13.62	27.57	41.19	46.00	-4.81	QP			
3	850.7603	11.67	28.36	40.03	46.00	-5.97	QP			



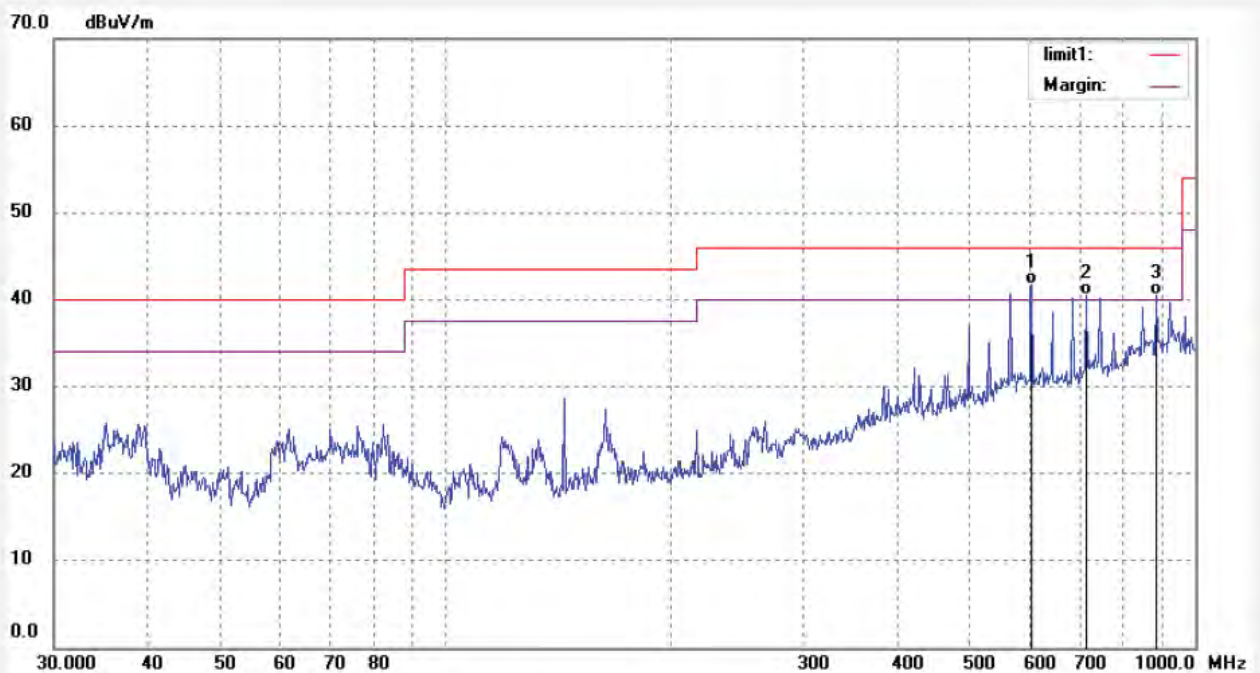
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1935	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/55/23
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11b)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	605.0509	16.02	25.64	41.66	46.00	-4.34	QP			
2	716.2038	13.40	27.05	40.45	46.00	-5.55	QP			
3	887.3978	11.71	28.77	40.48	46.00	-5.52	QP			



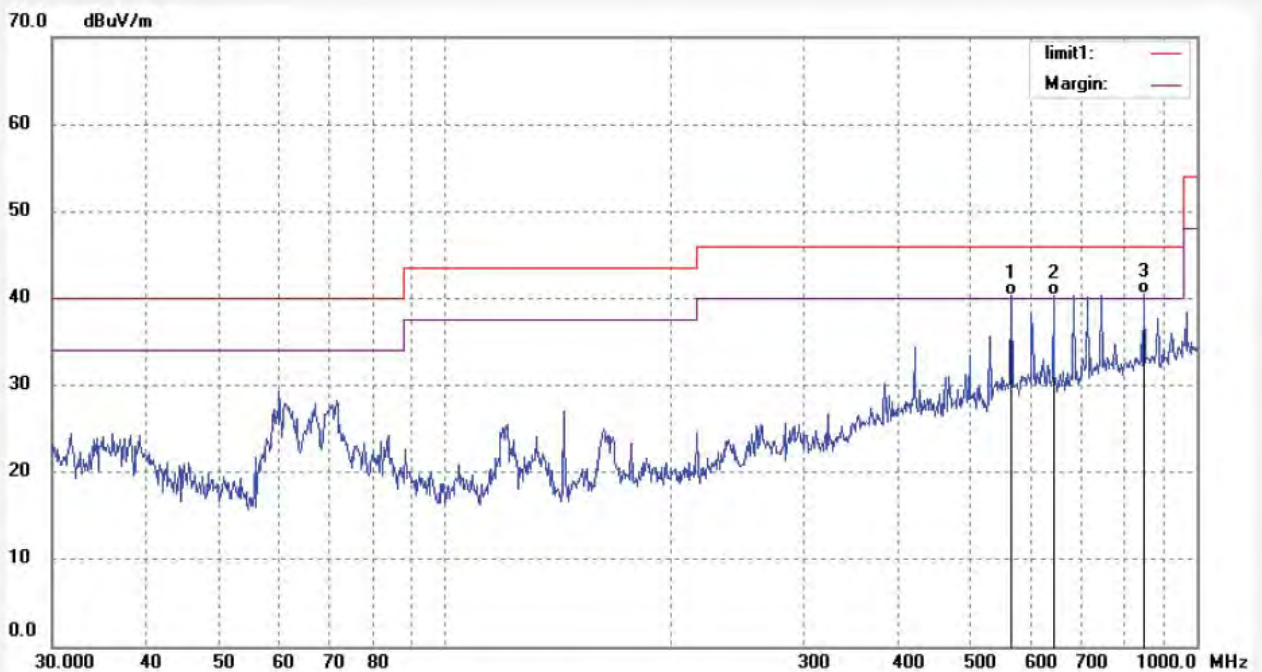
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1936	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 10/58/06
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	15.02	25.27	40.29	46.00	-5.71	QP			
2	644.5531	14.28	26.08	40.36	46.00	-5.64	QP			
3	850.7603	12.11	28.36	40.47	46.00	-5.53	QP			



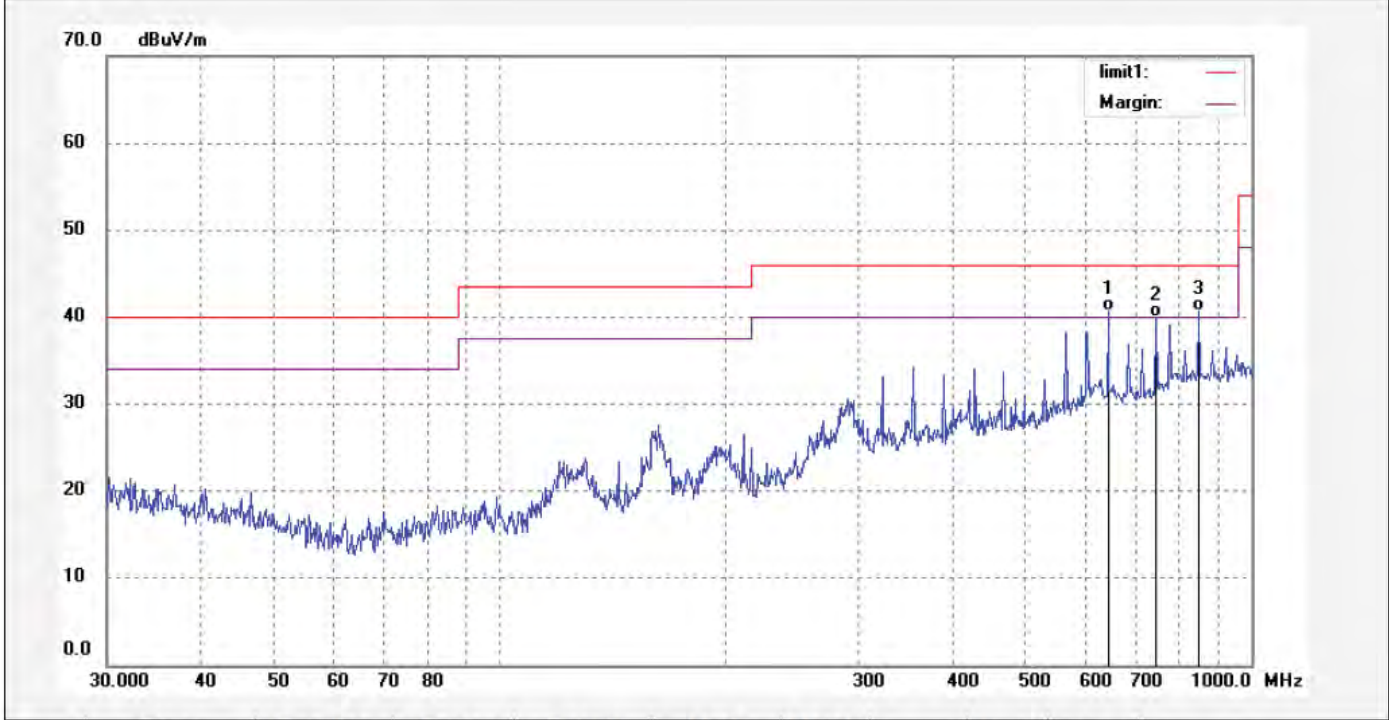
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1937	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 11/02/39
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	14.60	26.08	40.68	46.00	-5.32	QP			
2	747.0467	12.50	27.57	40.07	46.00	-5.93	QP			
3	850.7603	12.28	28.36	40.64	46.00	-5.36	QP			



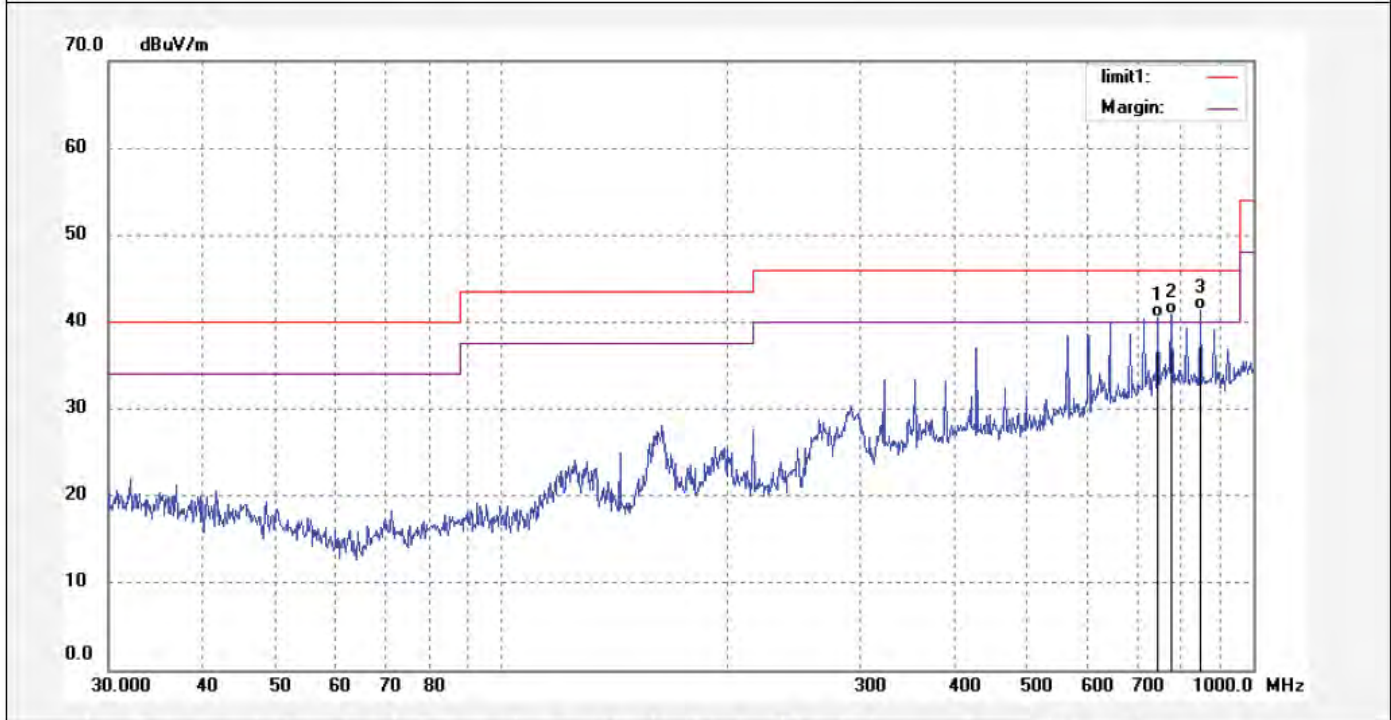
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1938	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 11/05/16
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	747.0467	12.99	27.57	40.56	46.00	-5.44	QP			
2	779.2179	13.02	27.83	40.85	46.00	-5.15	QP			
3	850.7603	13.03	28.36	41.39	46.00	-4.61	QP			



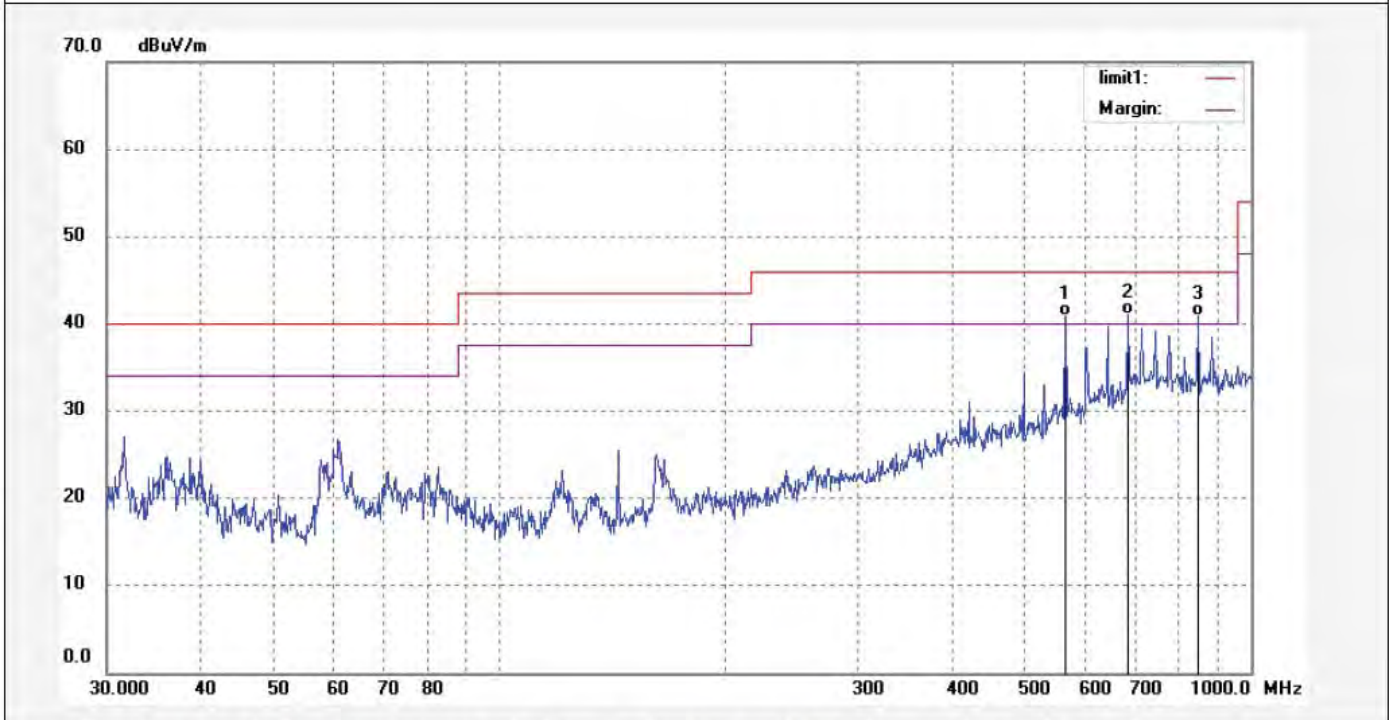
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1939	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 11/08/46
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	15.66	25.27	40.93	46.00	-5.07	QP			
2	686.6342	14.60	26.37	40.97	46.00	-5.03	QP			
3	850.7603	12.50	28.36	40.86	46.00	-5.14	QP			



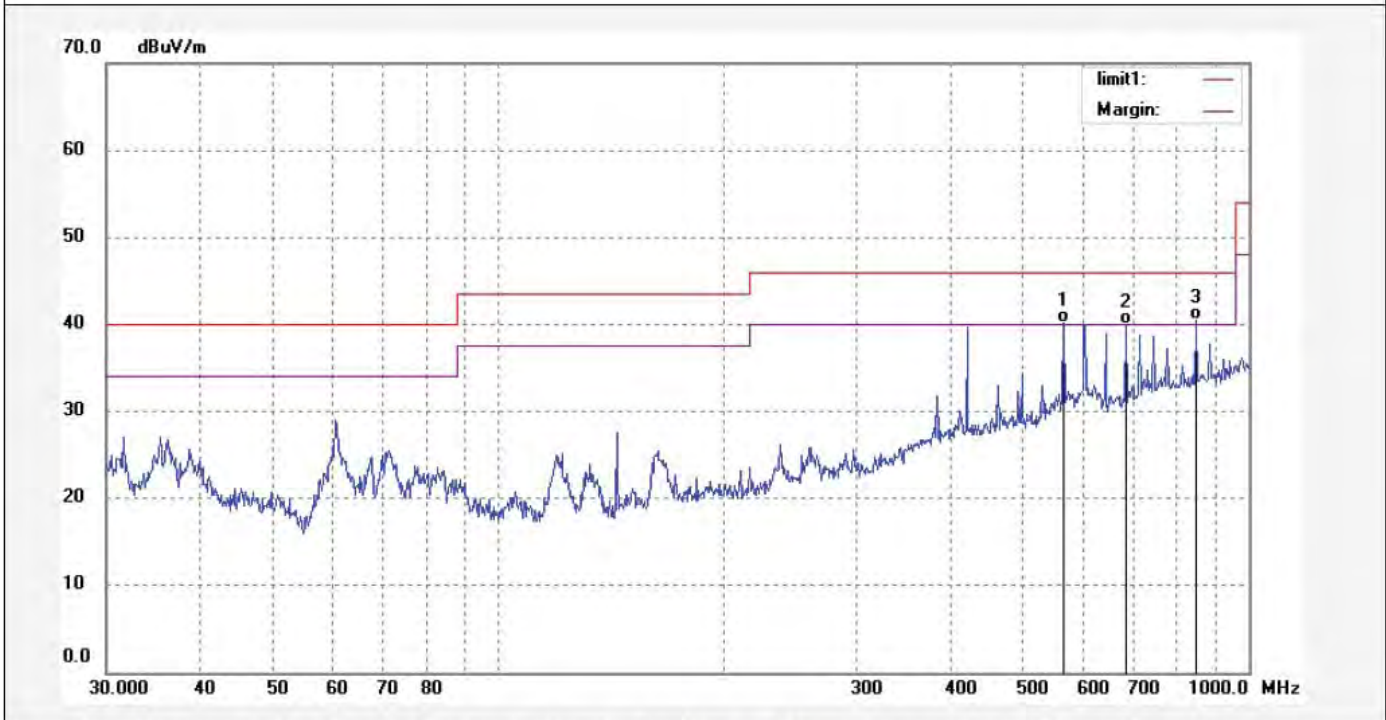
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1940	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 11/11/21
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	14.87	25.27	40.14	46.00	-5.86	QP			
2	686.6342	13.67	26.37	40.04	46.00	-5.96	QP			
3	850.7603	12.19	28.36	40.55	46.00	-5.45	QP			



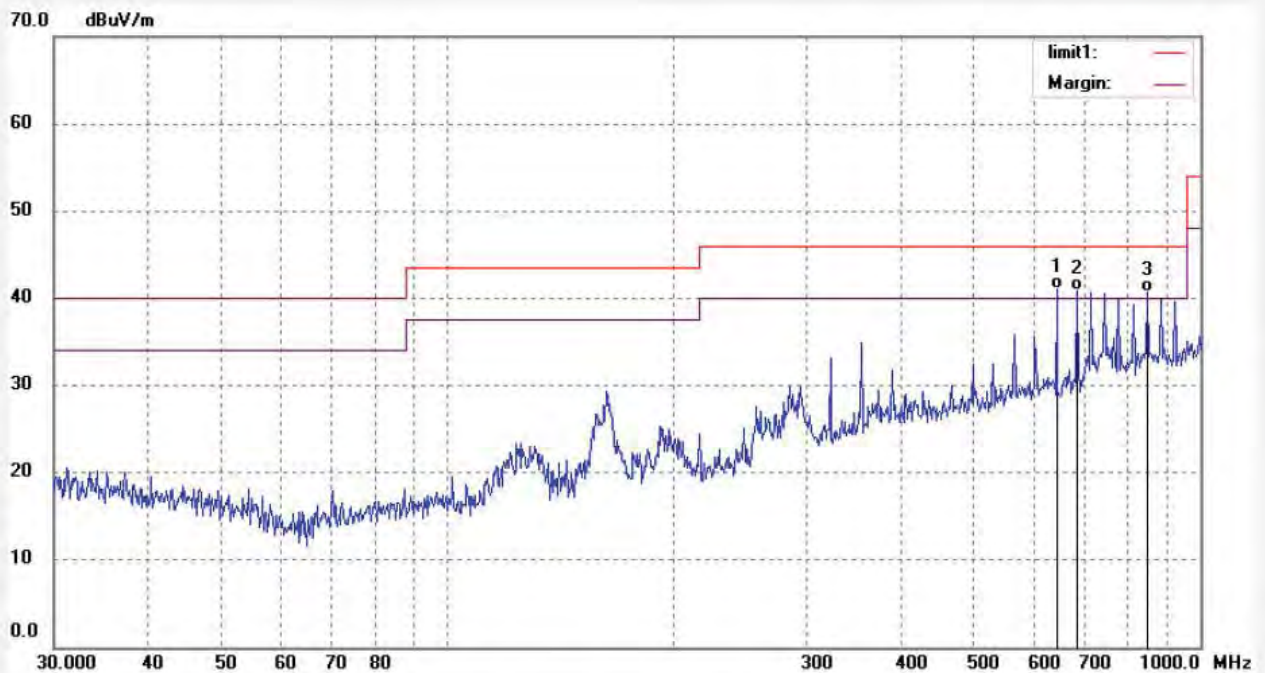
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #1941	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 11/14/57
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 11(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	14.93	26.08	41.01	46.00	-4.99	QP			
2	686.6342	14.47	26.37	40.84	46.00	-5.16	QP			
3	850.7603	12.27	28.36	40.63	46.00	-5.37	QP			



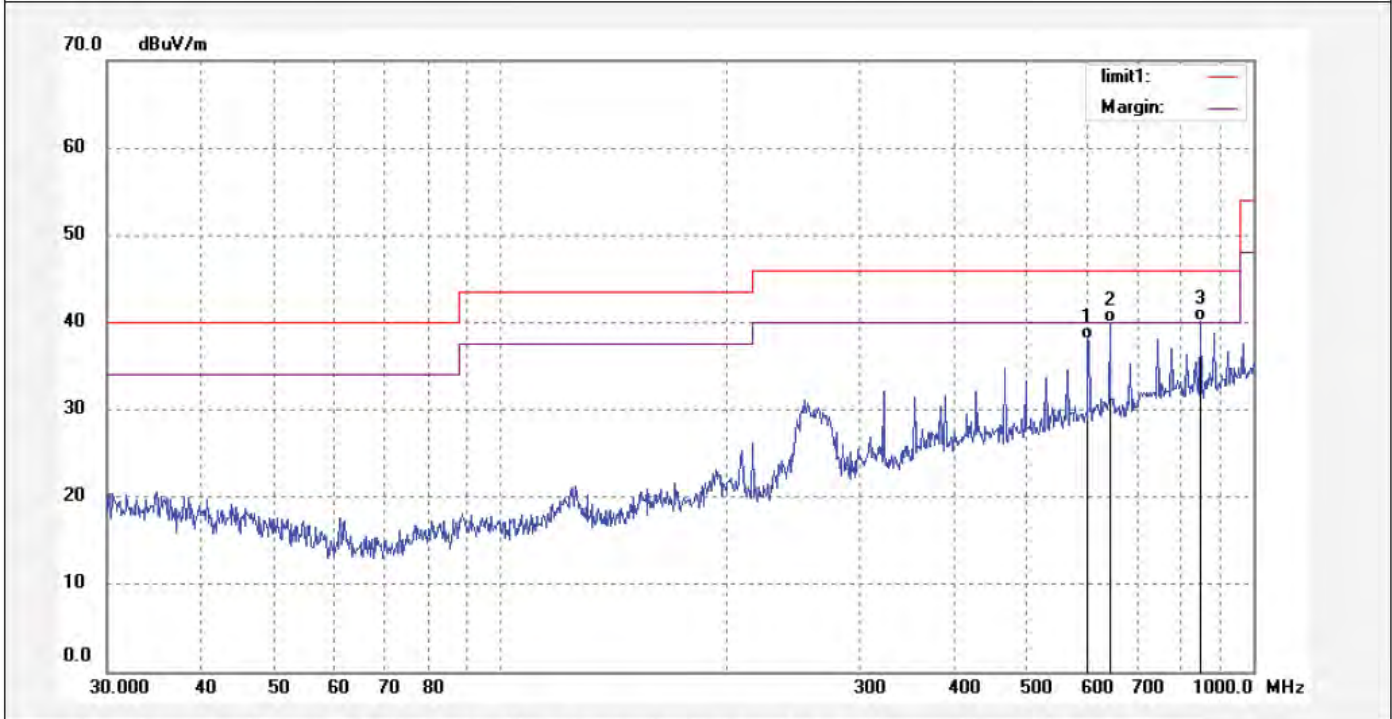
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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2009	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:44:26
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 3(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	602.9287	12.42	25.59	38.01	46.00	-7.99	QP			
2	644.5531	13.94	26.08	40.02	46.00	-5.98	QP			
3	850.7603	11.81	28.36	40.17	46.00	-5.83	QP			



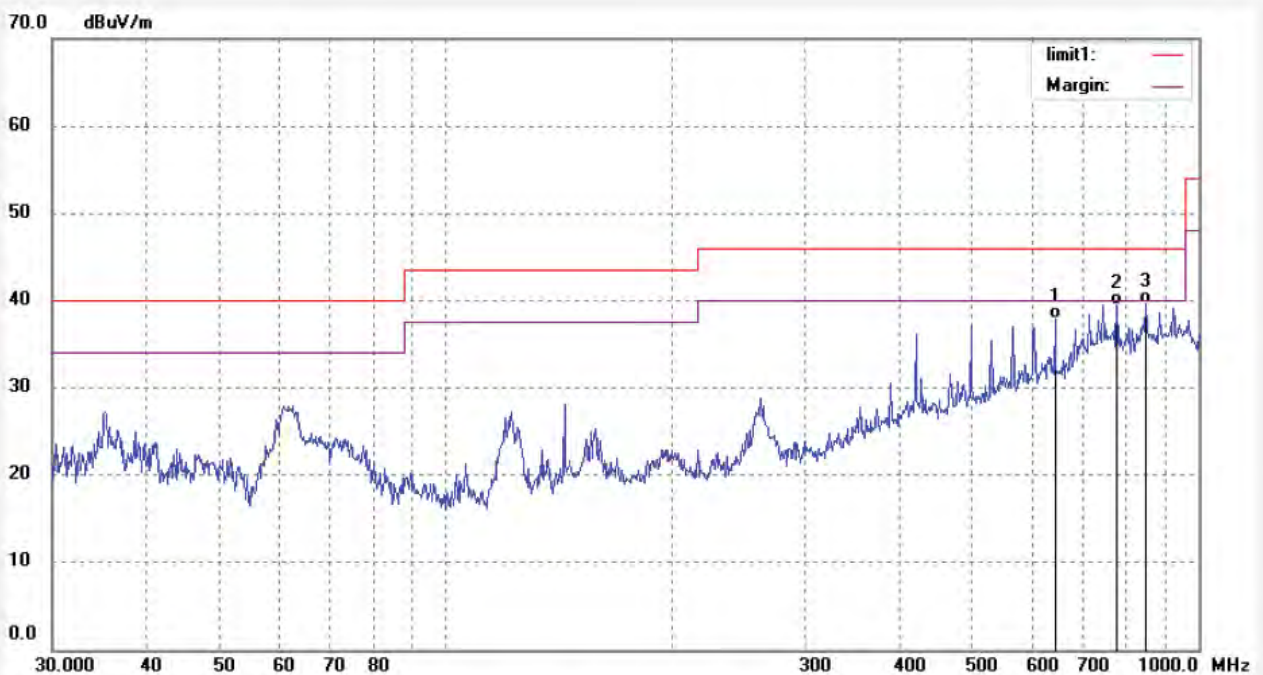
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2010	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:47:05
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 3(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	11.76	26.08	37.84	46.00	-8.16	QP			
2	779.2179	11.58	27.83	39.41	46.00	-6.59	QP			
3	850.7603	11.27	28.36	39.63	46.00	-6.37	QP			



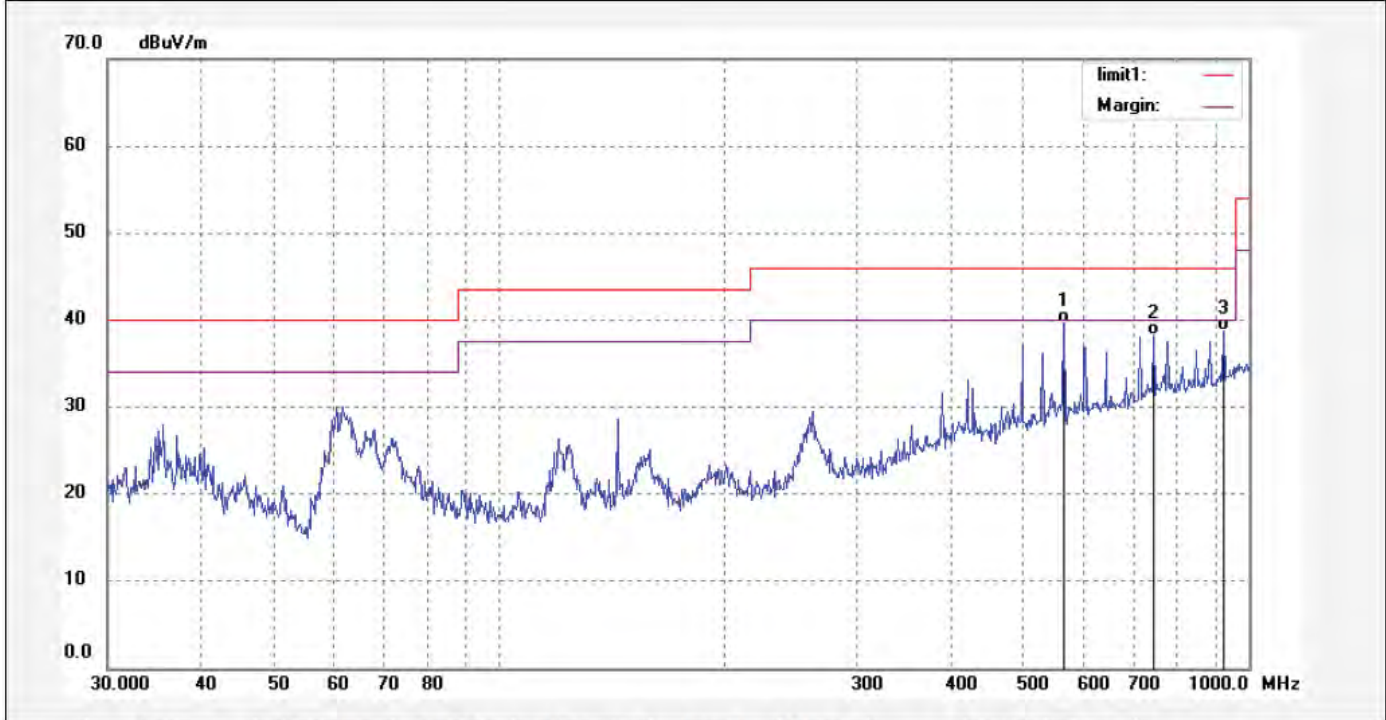
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2011	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:50:46
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	14.43	25.27	39.70	46.00	-6.30	QP			
2	747.0467	10.72	27.57	38.29	46.00	-7.71	QP			
3	925.6132	9.53	29.16	38.69	46.00	-7.31	QP			



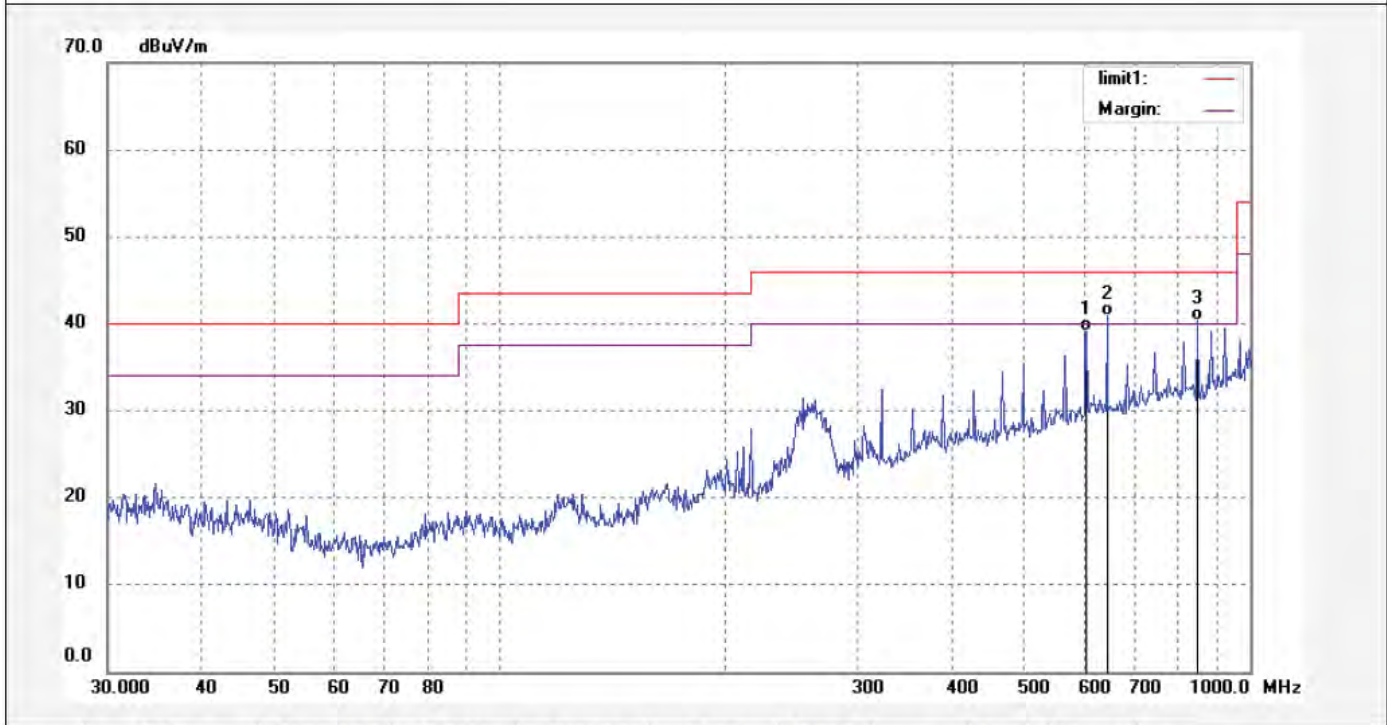
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2012	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:53:21
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 6(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	605.0509	13.42	25.64	39.06	46.00	-6.94	QP			
2	644.5531	14.83	26.08	40.91	46.00	-5.09	QP			
3	850.7603	12.04	28.36	40.40	46.00	-5.60	QP			



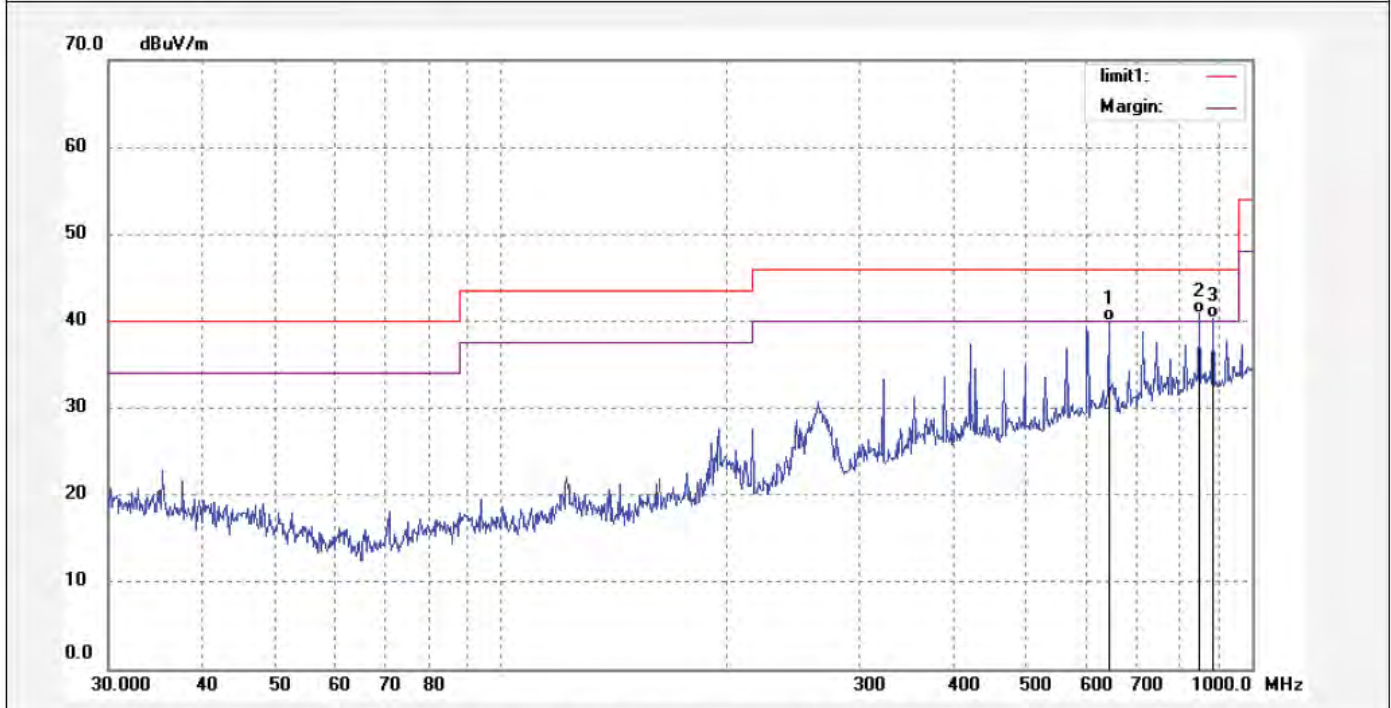
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2013	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:56:56
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 9(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	644.5531	13.90	26.08	39.98	46.00	-6.02	QP			
2	850.7603	12.42	28.36	40.78	46.00	-5.22	QP			
3	887.3978	11.53	28.77	40.30	46.00	-5.70	QP			



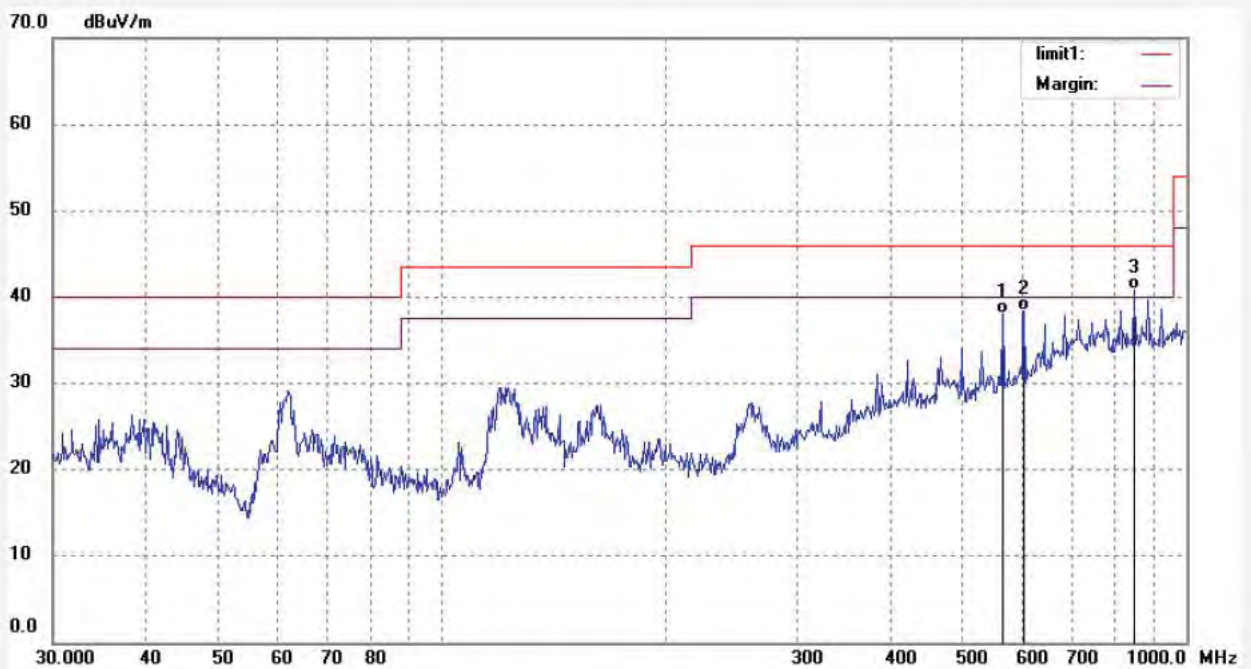
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Bob #2014	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 12/09/06/
Temp.(C)/Hum.(%) 25 C / 51 %	Time: 20:59:39
EUT: MID	Engineer Signature: Bob
Mode: TX Channel 9(802.11n)	Distance: 3m
Model: PC7011	
Manufacturer: Natural Sound	

Note: Report NO.:ATE20121899



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	565.9776	12.78	25.27	38.05	46.00	-7.95	QP			
2	605.0509	12.69	25.64	38.33	46.00	-7.67	QP			
3	850.7603	12.46	28.36	40.82	46.00	-5.18	QP			