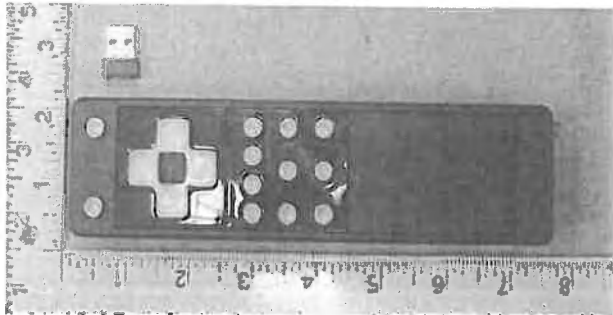

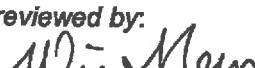


<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>17048939 001</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>164034449</b>	<b>Seite 1 von 97</b> <i>Page 1 of 97</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	<b>N/A</b>	<b>Auftragsdatum:</b> <i>Order date:</i>	<b>20.04.2015</b>	
<b>Auftraggeber:</b> <i>Client:</i>	<b>The Zen Factory Group (ASIA)</b> House 23, Hibiscus Path, Westwood, Palm Springs, Yuen Long, NT, Hong Kong			
<b>Prüfgegenstand:</b> <i>Test item:</i>	<b>Xbox One Media Remote and keyboard</b>			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	<b>NS-GXBOMRK101</b>			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	<b>FCC Certification</b>			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.249 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 FCC KDB publication 447498 D01 v05r02 CFR FCC Part 15: Subpart B Section 15.107			
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	<b>20.04.2015</b>			
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	<b>A000187998 001~003</b>			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	<b>20.05.2015 - 08.05.2015</b>			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	<b>Accurate Technology Co., Ltd.</b>			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	<b>TÜV Rheinland (Shenzhen) Co., Ltd.</b>			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	<b>Pass</b>			
<b>geprüft von / tested by:</b> 		<b>kontrolliert von / reviewed by:</b> 		
<b>04.06.2015</b>	<b>Tom Wang / Project Manager</b>	<b>04.06.2015</b>	<b>Winnie Hou / Technical Certifier</b>	
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>
				<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges / Other:</b> FCC ID: WP85P04006ZEN      -Remote FCC ID: WP85P04006        -Dongle				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>		<b>Prüfmuster vollständig und unbeschädigt</b> <i>Test item complete and undamaged</i>		
<p>* Legende:    1 = sehr gut      2 = gut      3 = befriedigend      4 = ausreichend      5 = mangelhaft  P(ass) = entspricht o.g. Prüfgrundlage(n)    F(ail) = entspricht nicht o.g. Prüfgrundlage(n)    N/A = nicht anwendbar    N/T = nicht getestet</p> <p>Legend:    1 = very good      2 = good      3 = satisfactory      4 = sufficient      5 = poor  P(ass) = passed a.m. test specification(s)    F(ail) = failed a.m. test specification(s)    N/A = not applicable    N/T = not tested</p>				
<p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b>  <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				

## TEST SUMMARY

### 5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

### 5.1.2 FUNDAMENTAL & HARMONICS RADIATED EMISSION

RESULT: Pass

### 5.1.3 RADIATED SPURIOUS EMISSIONS OUTSIDE BAND

RESULT: Pass

### 5.1.4 CONDUCTED EMISSIONS

RESULT: Pass

### 6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Pass

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## 1. General Remarks

### 1.1 Complementary Materials

None.

## 2. Test Sites

### 2.1 Test Facilities

Accurate Technology Co., Ltd.

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

FCC Registration No.: 752051

IC OATS Registration No.: 5077A-2

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

## 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment**

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
<b>Spurious emission and Radiated emission</b>				
Spectrum Analyzer	Rohde&Schwarz	FSV40	101495	2016-01-10
Test Receiver	Rohde & Schwarz	ESCS30	100307	2016-01-10
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2016-01-10
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2016-01-10
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2016-01-10
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	2016-01-10
Pre-Amplifier	Rohde & Schwarz	CBLU1183540-01	3791	2016-01-10
<b>Radio Test Suite</b>				
Receiver	Rohde & Schwarz	FSV40	101495	2016-01-10
<b>Conducted Emission</b>				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2016-01-10
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2016-01-10
L.I.S.N.	Rohde & Schwarz	ESH3-Z5	100310	2016-01-10
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2016-01-10
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2016-01-10
RF Coaxial Cable	SUHNER	N-2m	No.3	2016-01-10

## 2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

**Table 2: Measurement Uncertainty**

Parameter	Uncertainty
Radiated emission (below 30MHz)	$< \pm 3.08 \text{ dB}$
Radiated emission (30MHz-1GHz)	$< \pm 4.42 \text{ dB}$
Radiated emission (above 1GHz)	$< \pm 4.06 \text{ dB}$
Conducted Emission	$< \pm 2.23 \text{ dB}$

## 2.6 Location of Original Data

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

## 2.7 Status of Facility Used for Testing

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

### 3. General Product Information

#### 3.1 Product Function and Intended Use

The system is Xbox One multimedia remote control composed of one remote and one USB dongle. It operates at 2.4GHz ISM frequency band.

The test samples are engineering samples

For details refer to the User Manual and Circuit Diagram.

#### 3.2 Ratings and System Details

**Table 3: Technical Specification of Remote**

Technical Specification	Value
Operating Frequency band	2402 – 2480MHz
Channel number	16
Measured Maximum Output Power(mW)	0.23
Operation Voltage	DC 3V via 2* AAA batteries
Modulation	GFSK
Antenna type	Internal antenna
Antenna Gain	-1dBi
Channel frequency(MHz)	2402/2407/2414/2419/2422/2426/2436/2439/2441/2445/2453/2459/2463/2466/2473/2480

**Table 4: Technical Specification of Dongle**

Technical Specification	Value
Operating Frequency band	2402 – 2480MHz
Channel number	16
Measured Maximum Output Power(mW)	0.05
Operation Voltage	DC 5V via USB port
Modulation	GFSK
Antenna type	Internal antenna
Antenna Gain	-1dBi
Channel frequency(MHz)	2402/2407/2414/2419/2422/2426/2436/2439/2441/2445/2453/2459/2463/2466/2473/2480

### 3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Wireless mode
  - 1. Remote transmitting
  - 2. Dongle transmitting
- B. Off

### 3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

### 3.5 Submitted Documents

- |                           |                      |
|---------------------------|----------------------|
| - Bill of Material        | - Circuit Diagram    |
| - PCB Layout              | - Instruction Manual |
| - Operational Description | - Rating Label       |



## 4. Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

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

### 4.2 Test Operation and Test Software

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

### 4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories.

**Table 5: Accessories and Auxiliary Equipment**

Description	Manufacturer	Part No.	S/N
Notebook PC	Lenovo	4290-RT8	--
Printer	HP	laserjet 1015	CNFG030424

### 4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

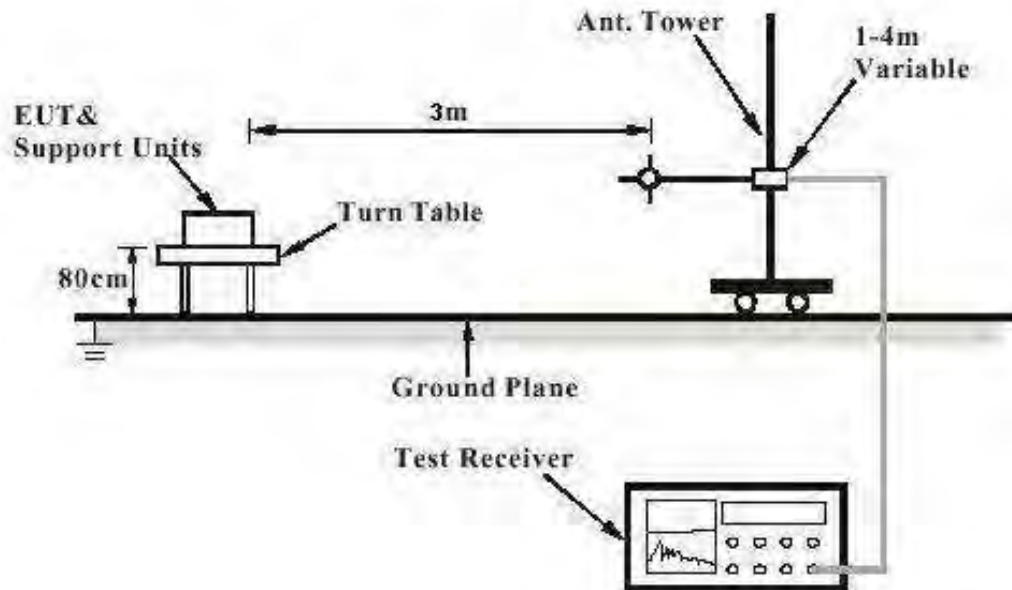
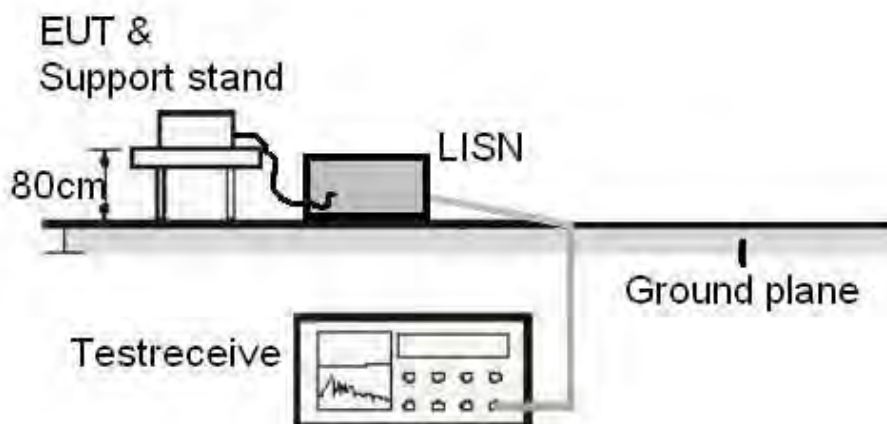
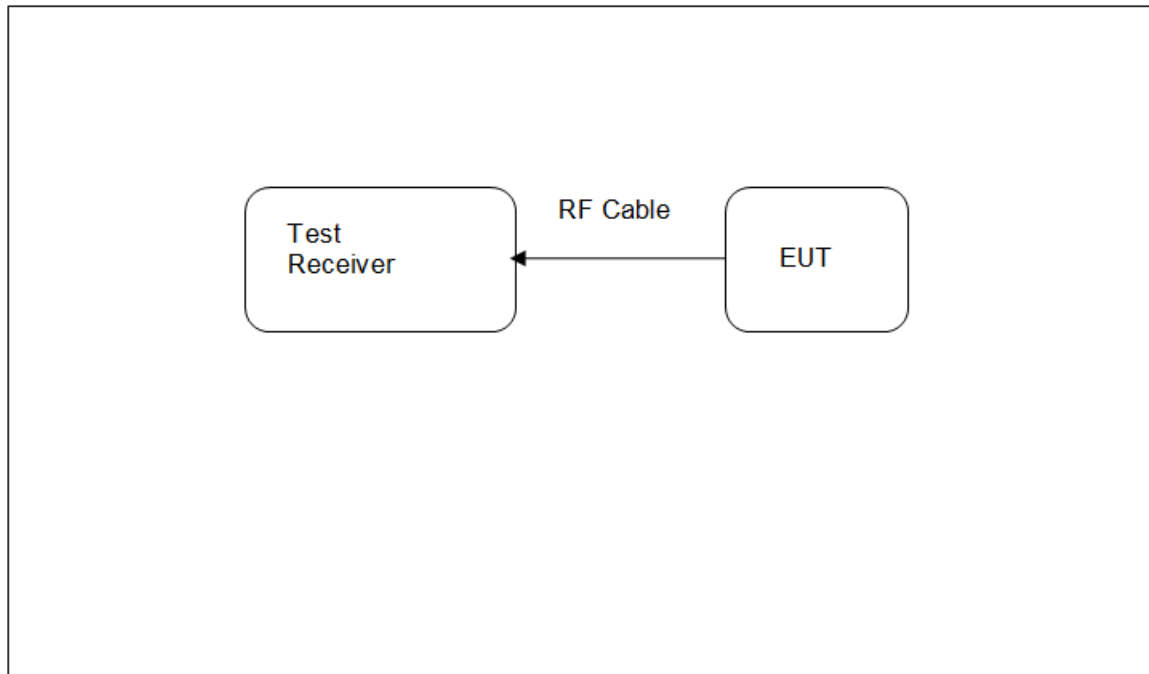


Diagram of Measurement Equipment Configuration for Conduction Measurement



**Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement**



## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**RESULT:****Pass**

Test standard	:	FCC Part 15.203 Clause 7.1.4 of RSS-Gen
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal antenna, the maximum directional gain of antenna is -1dBi for remote and dongle, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT photos for details.

## 5.1.2 Fundamental & Harmonics Radiated Emission

**RESULT:****Pass**

Date of testing	:	2015-05-06
Test standard	:	FCC part 15.249(a)
Basic standard	:	ANSI C63.4: 2003
Limits	:	FCC part 15.249(a)
Kind of test site	:	3m Semi-Anechoic Chamber

**Test setup**

Test channel	:	Low/ Middle/ High
Input voltage	:	DC 3V for remote via AAA batteries DC 5V for dongle via USB port
Operation mode	:	A
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to following test plots.

**Test plot of Fundamental & Harmonics Radiated Emission--Remote**

**ACCURATE TECHNOLOGY CO., LTD.**

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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Ian2015 #1058

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3V

Test item: Radiation Test

Date: 15/05/06/

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

Time:

EUT:

Engineer Signature:

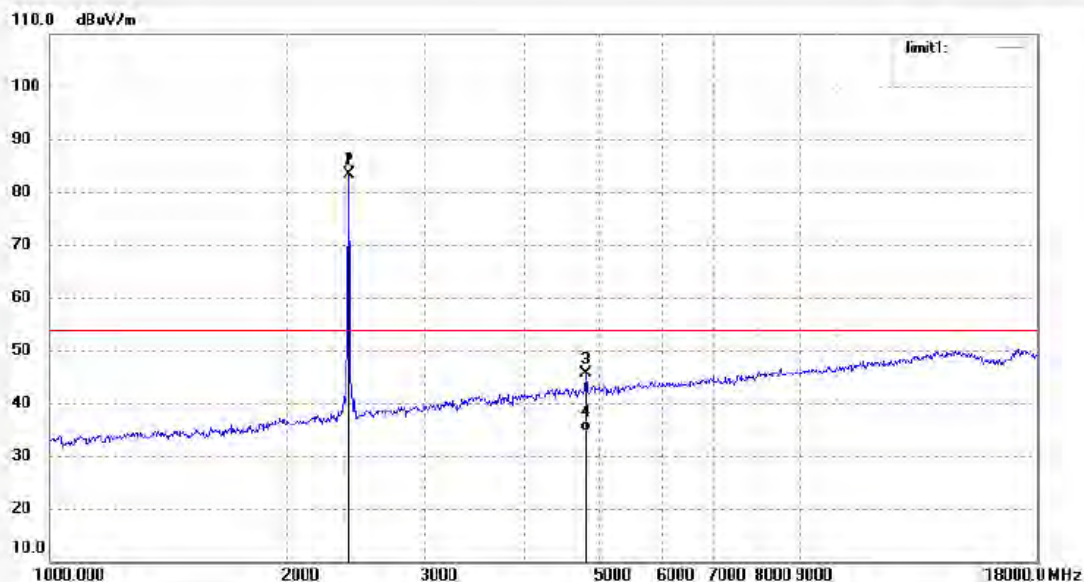
Mode: TX 2402MHz

Distance: 3m

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	90.75	-7.45	83.30	/	/	peak			
2	2402.000	87.87	-7.45	80.42	/	/	AVG			
3	4804.010	46.04	-0.30	45.74	74.00	-28.26	peak			
4	4804.010	34.85	-0.30	34.55	54.00	-19.45	AVG			


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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: lan2015 #1059

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

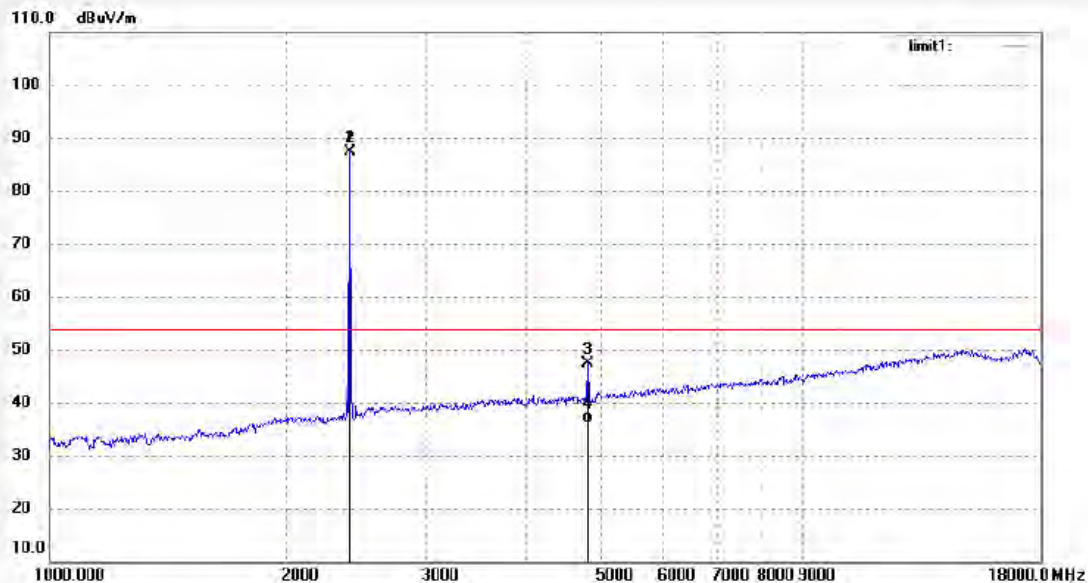
Date: 15/05/08/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	94.88	-7.45	87.43	/	/	peak			
2	2402.000	92.35	-7.45	84.90	/	/	AVG			
3	4804.011	47.57	-0.30	47.27	74.00	-26.73	peak			
4	4804.011	38.42	-0.30	38.12	54.00	-17.88	AVG			




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Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Ian2015 #1063

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(°C)/Hum.(%) 23 °C / 48 %

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 3V

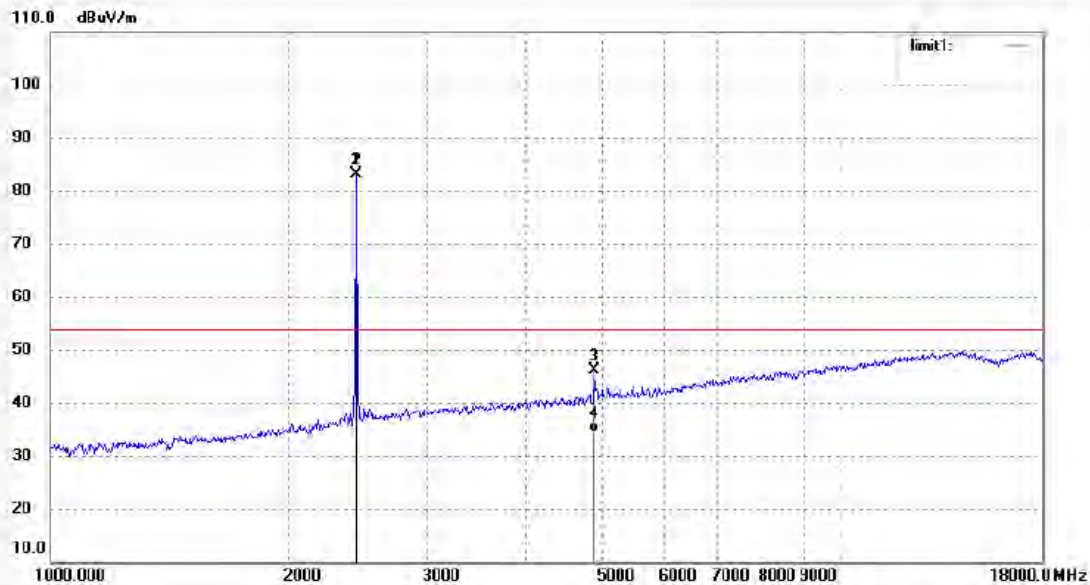
Date: 15/05/06/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	80.36	-7.35	83.01	/	/	peak			
2	2441.000	87.79	-7.35	80.44	/	/	AVG			
3	4882.015	45.99	0.14	46.13	74.00	-27.87	peak			
4	4882.015	34.28	0.14	34.42	54.00	-19.58	AVG			




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Job No.: Ian2015 #1064

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

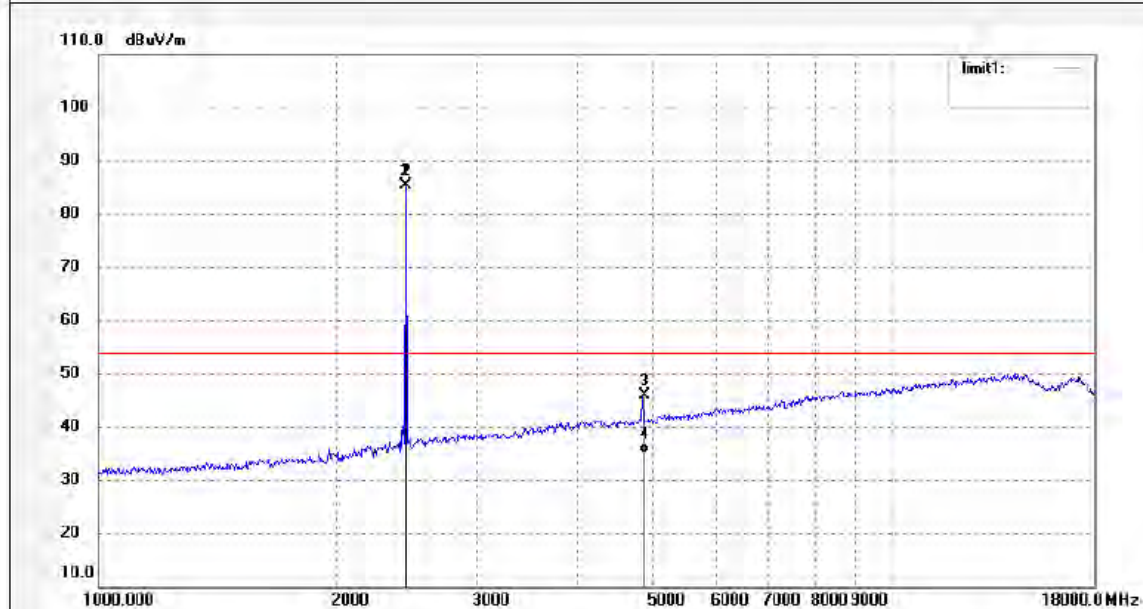
Date: 15/05/06/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	92.80	-7.35	85.45	/	/	peak			
2	2441.000	90.27	-7.35	82.92	/	/	AVG			
3	4882.028	45.72	0.14	45.86	74.00	-28.14	peak			
4	4882.028	34.64	0.14	34.78	54.00	-19.22	AVG			


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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Jan2015 #1065

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

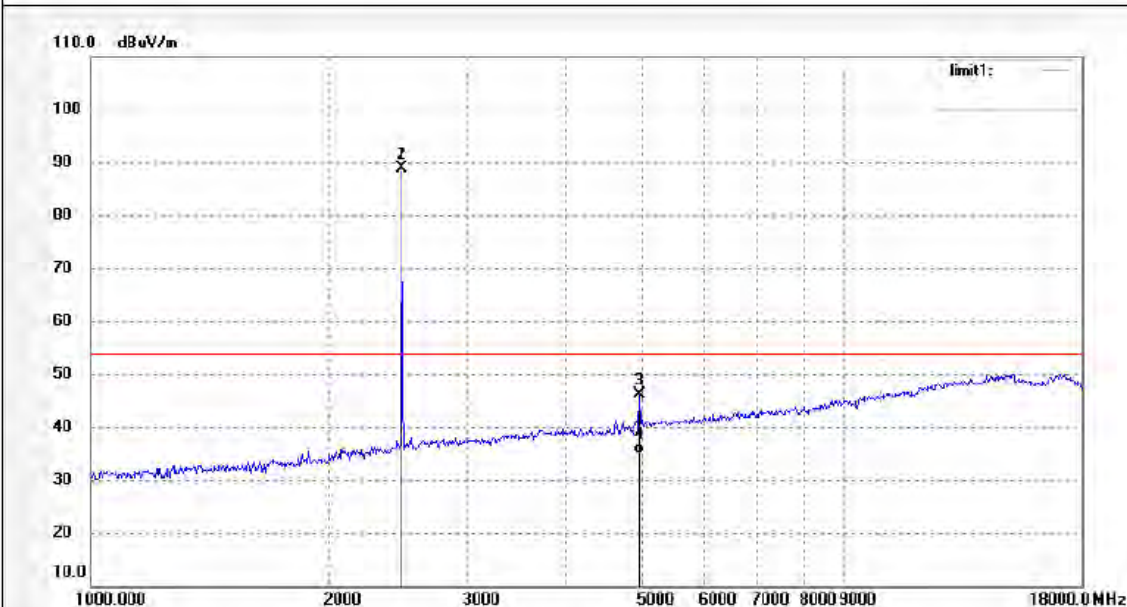
Date: 15/05/06/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	96.15	-7.37	88.78	/	/	peak			
2	2480.000	93.75	-7.37	86.38	/	/	AVG			
3	4980.033	45.84	0.52	46.16	74.00	-27.84	peak			
4	4980.033	34.32	0.52	34.84	54.00	-19.16	AVG			


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Ian2015 #1068

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 3V

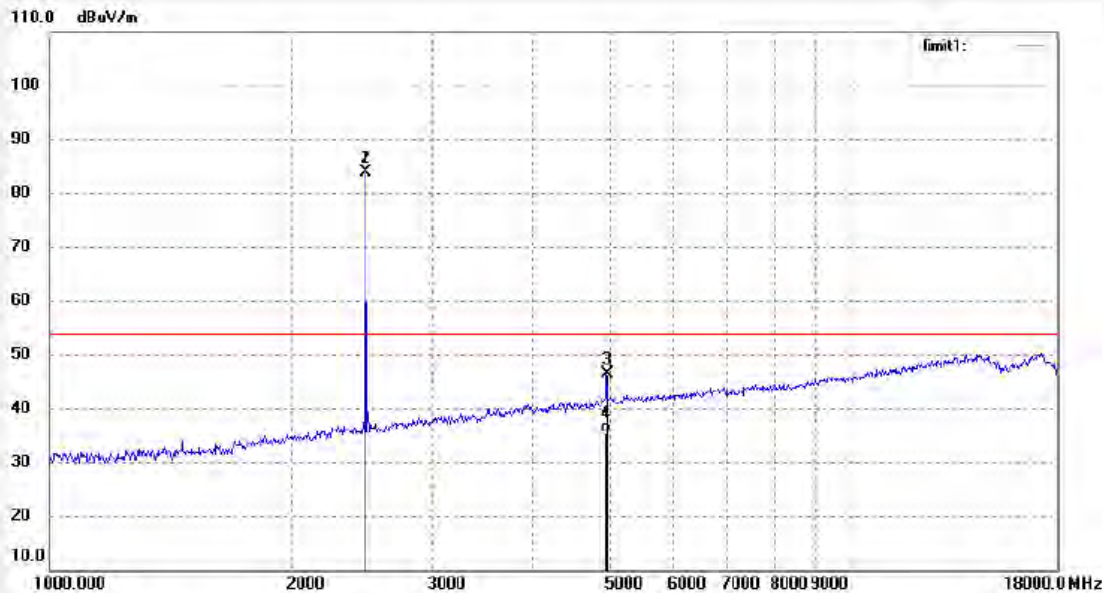
Date: 15/05/06/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	81.20	-7.37	83.83	/	/	peak			
2	2480.000	88.79	-7.37	81.42	/	/	AVG			
3	4980.013	45.80	0.52	46.32	74.00	-27.68	peak			
4	4980.013	34.75	0.52	35.27	54.00	-18.73	AVG			



**Test plot of Fundamental & Harmonics Radiated Emission—Dongle**

**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503398

Job No.: Jan2015 #1069

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

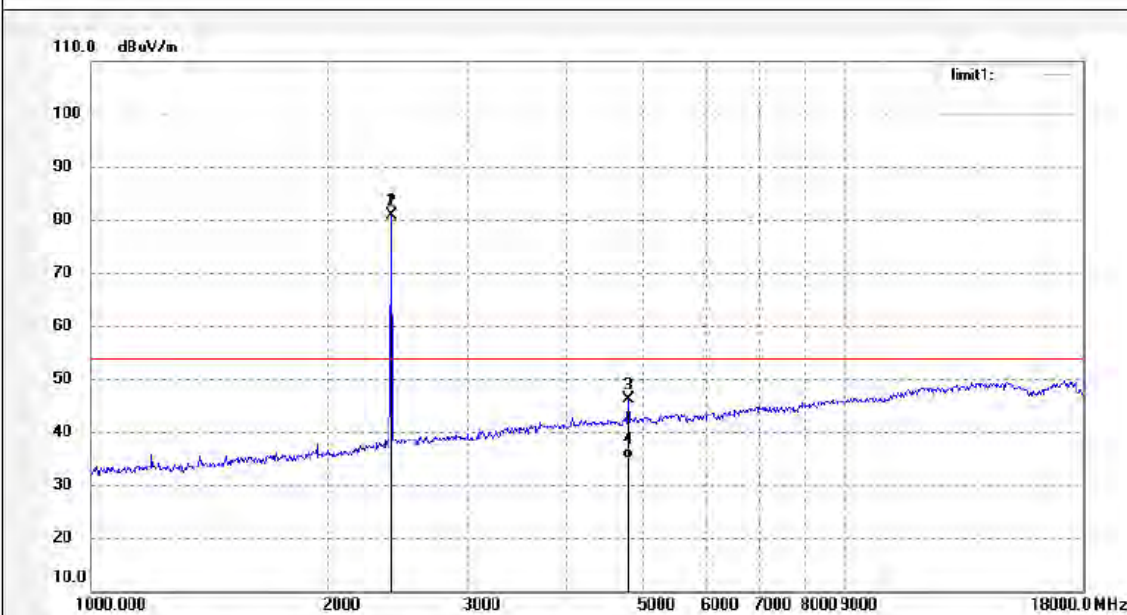
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	88.30	-7.45	80.85	/	/	peak			
2	2402.000	86.45	-7.45	79.00	/	/	AVG			
3	4804.025	46.43	-0.30	46.13	74.00	-27.87	peak			
4	4804.025	35.12	-0.30	34.82	54.00	-19.18	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel:+86-0755-26503280

Fax: +86-0755-26503398

Job No.: lan2015 #1070

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 5V

Test item: Radiation Test

Date: 15/05/07/

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

Time:

EUT:

Engineer Signature:

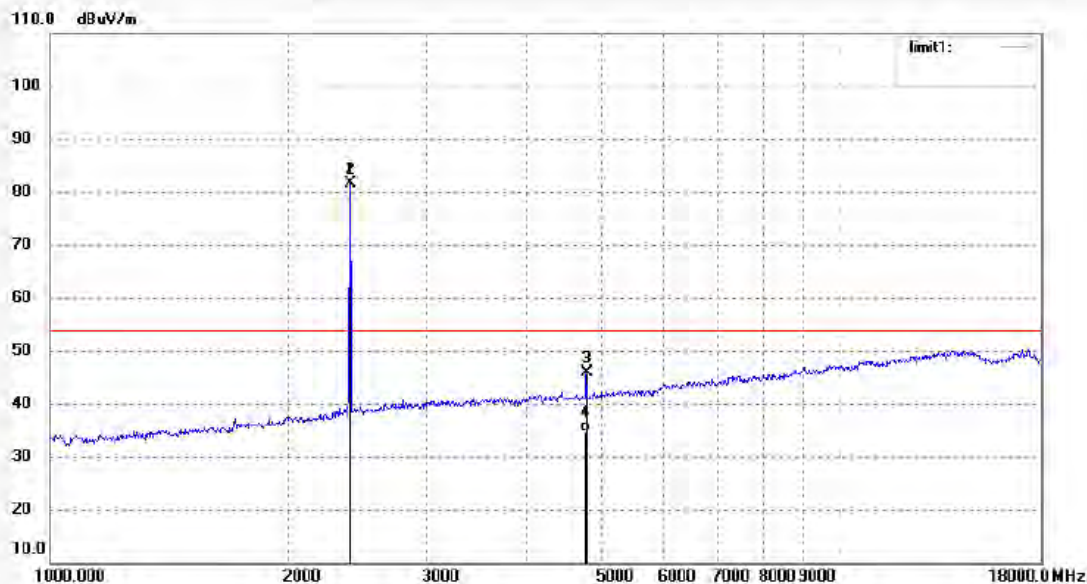
Mode: TX 2402MHz

Distance: 3m

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	89.08	-7.45	81.63	/	/	peak			
2	2402.000	86.46	-7.45	79.01	/	/	AVG			
3	4804.019	46.10	-0.30	45.80	74.00	-28.20	peak			
4	4804.019	35.04	-0.30	34.74	54.00	-19.26	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503398

Job No.: lan2015 #1073

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

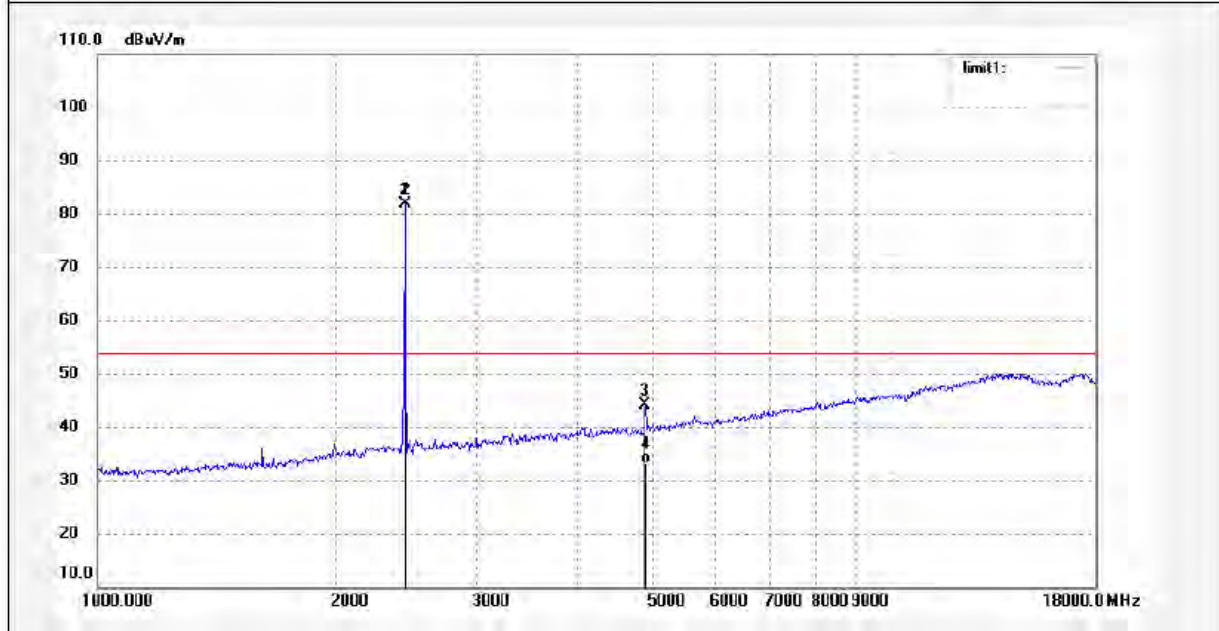
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	88.13	-7.35	81.78	/	/	peak			
2	2441.000	88.57	-7.35	79.22	/	/	AVG			
3	4882.023	44.11	0.14	44.25	74.00	-29.75	peak			
4	4882.023	33.04	0.14	33.18	54.00	-20.82	AVG			




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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: lan2015 #1074

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

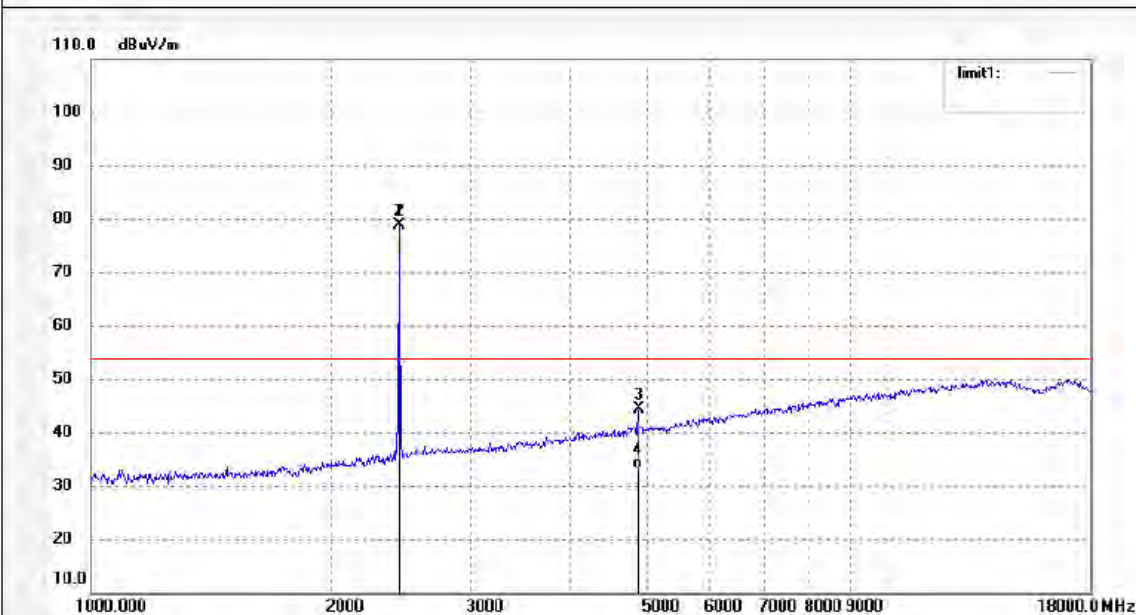
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	86.35	-7.35	79.00	/	/	peak			
2	2441.000	84.60	-7.35	77.25	/	/	AVG			
3	4882.015	44.20	0.14	44.34	74.00	-29.66	peak			
4	4882.015	33.04	0.14	33.18	54.00	-20.82	AVG			


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

Site: 2# Chamber

Tel: +86-0755-28503290

Fax: +86-0755-28503396

Job No.: Jan2015 #1075

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

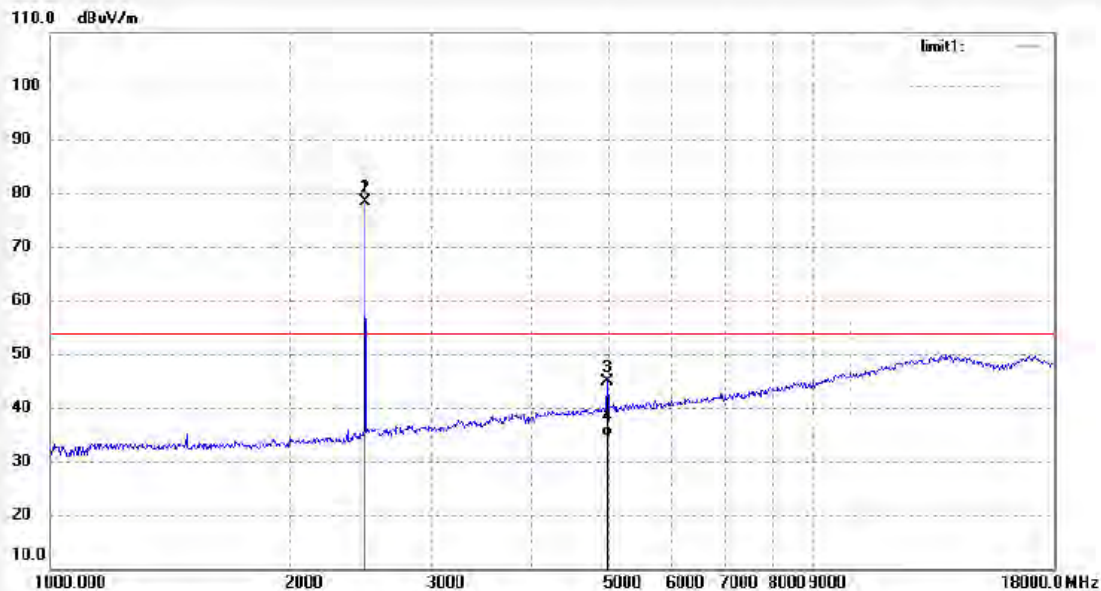
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	85.84	-7.37	78.47	/	/	peak			
2	2480.000	83.44	-7.37	76.07	/	/	AVG			
3	4980.017	44.41	0.52	44.93	74.00	-29.07	peak			
4	4980.017	34.17	0.52	34.69	54.00	-19.31	AVG			




**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel: +86-0755-26503280

Fax: +86-0755-26503396

Job No.: Ian2015 #1078

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

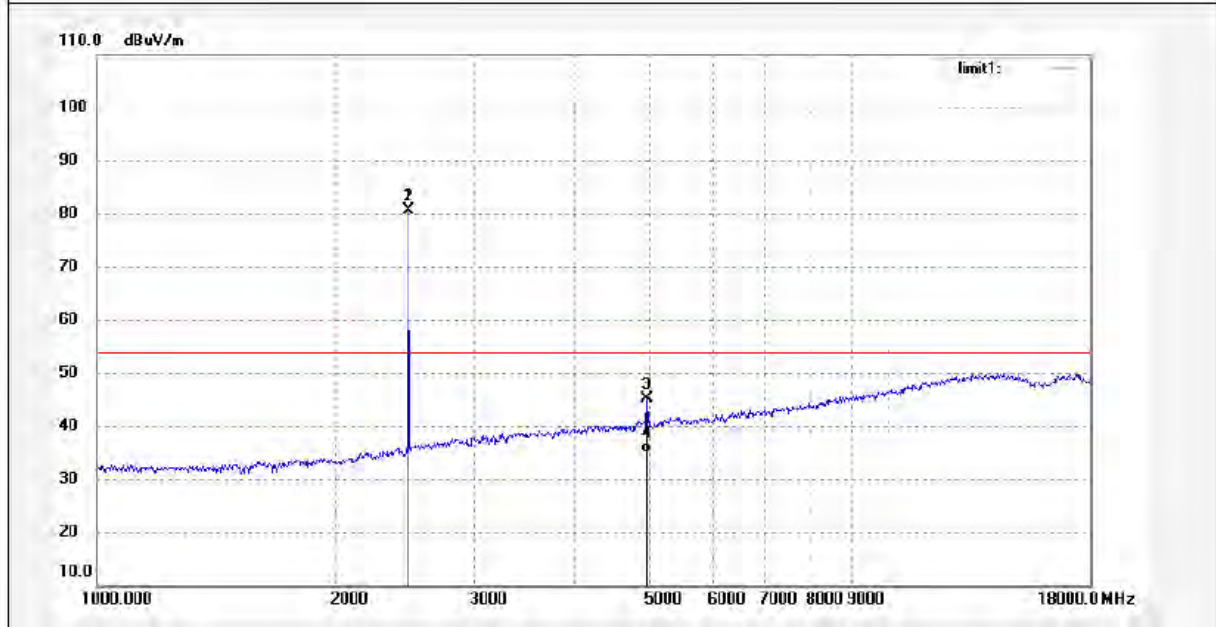
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	88.11	-7.37	80.74	/	/	peak			
2	2480.000	88.51	-7.37	79.14	/	/	AVG			
3	4950.031	44.56	0.47	45.03	74.00	-28.97	peak			
4	4950.031	34.53	0.47	35.00	54.00	-19.00	AVG			

### 5.1.3 Radiated spurious emissions outside band

**RESULT:****Pass**

Date of testing	:	2015-05-06 -2015-05-08
Test standard	:	FCC Part 15.209(a) FCC Part 15.249(d)
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.009 – 25000MHz*
Limits	:	FCC Part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber

**Test Setup**

Test channel	:	Low/ Middle/ High
Input voltage	:	DC 3V for remote via AAA batteries DC 5V for dongle via USB port
Operation mode	:	A
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

\*- The EUT's highest frequency generated and used is 2480MHz; hence the highest scan frequency is up to 25GHz.

**Test Plots of Radiated spurious emissions outside band-Romote**

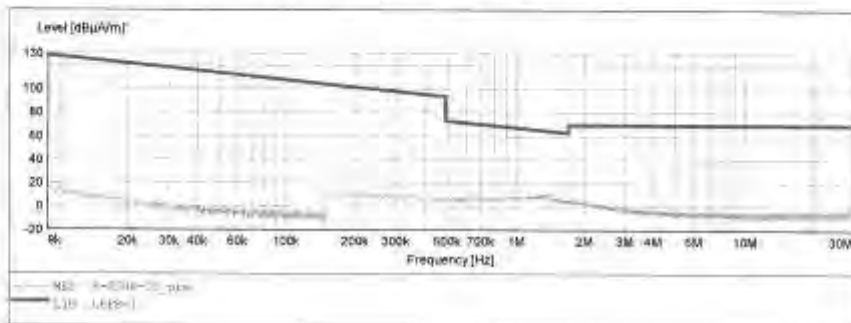
**ACCURATE TECHNOLOGY CO.,LTD**

**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBCMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2402MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specifications: DC 3V  
 Comment: X  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Pin"**

Short Description:			SUB_STD_VTERM2 1.70		
Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw. Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz 1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz 1516M

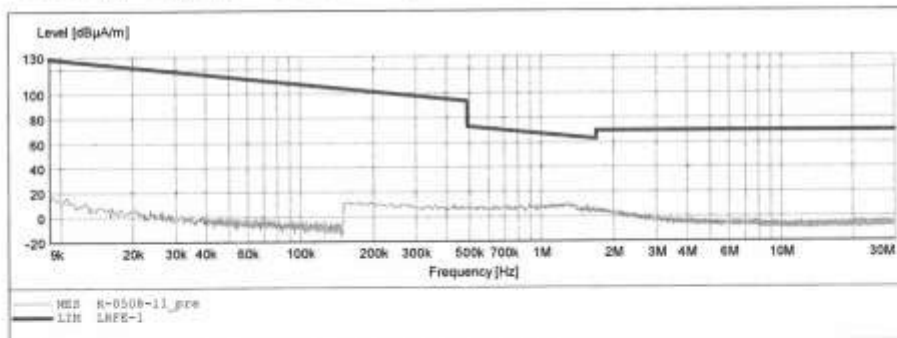


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2402MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 3V  
 Comment: Y  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

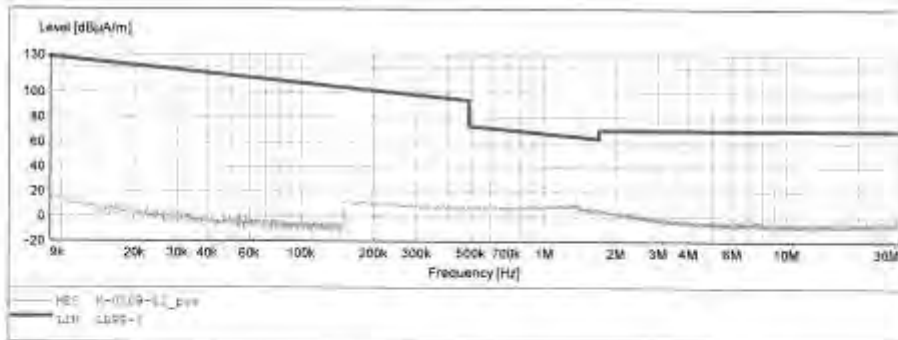


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: M/N:MS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2402MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 3V  
 Comment: E  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

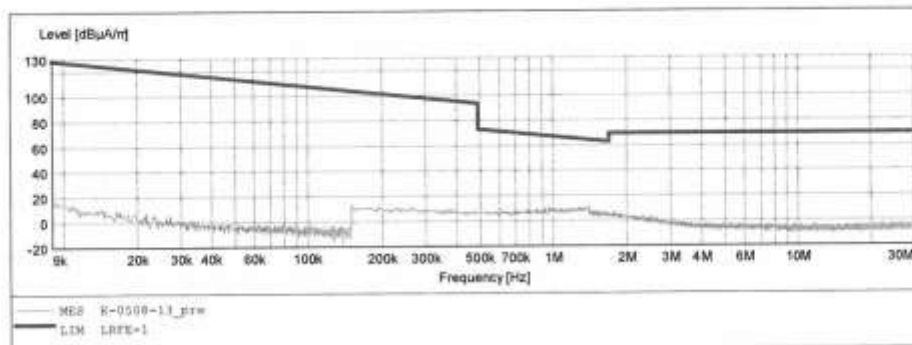


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2441MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 3V  
 Comment: X  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

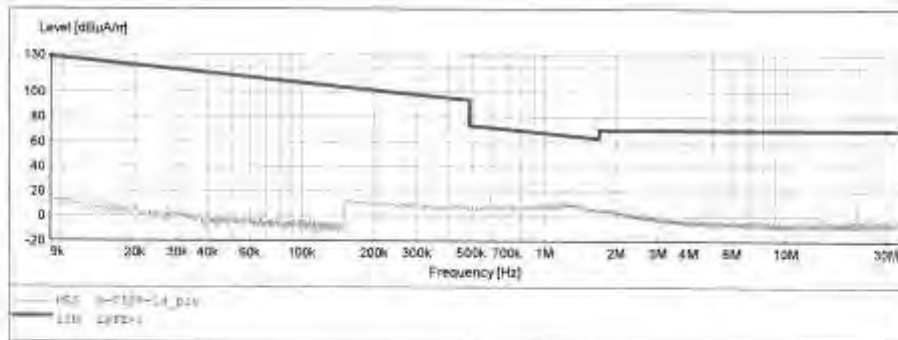


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: R/N:NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2441MHz  
 Test Site: 14Shielding Room  
 Operator: IAN  
 Test Specification: DC 3V  
 Comment: Y  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LPRE Fin"**

Short Description:			SUB STD VTERM 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

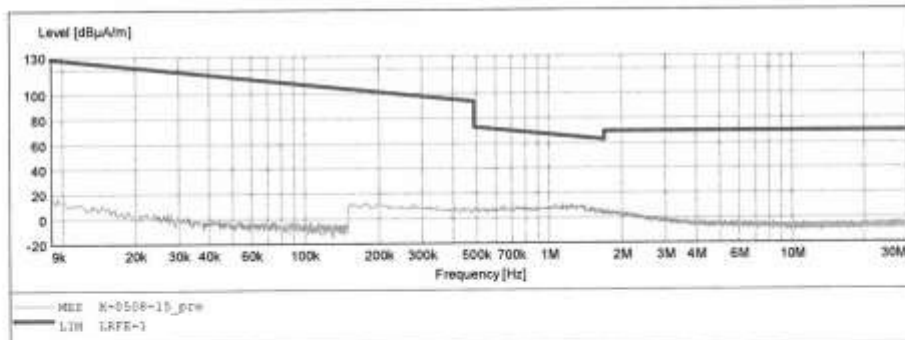


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EOT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2441MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 3V  
 Comment: Z  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



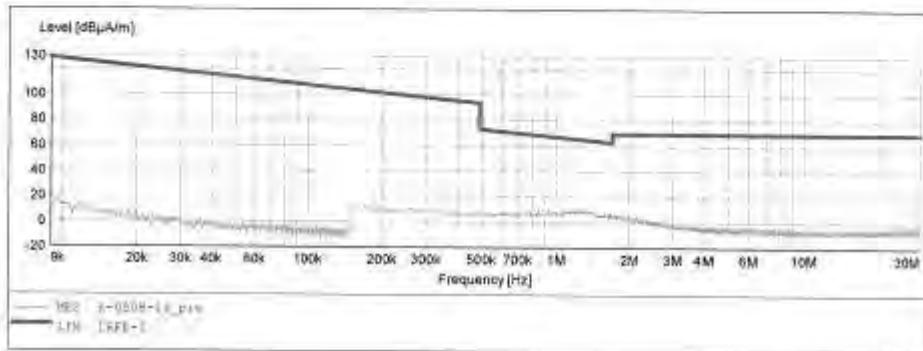


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2480MHz  
 Test Site: 1#Shielding Room  
 Operator: LAM  
 Test Specification: DC 3V  
 Comment: X  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:				SUB_STD_VTERM2 1,70		
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

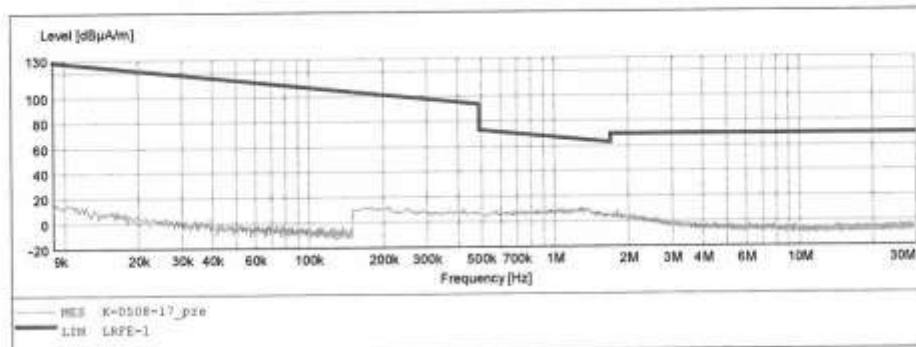


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2480MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 3V  
 Comment: Y  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
Frequency	Frequency	Width				
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



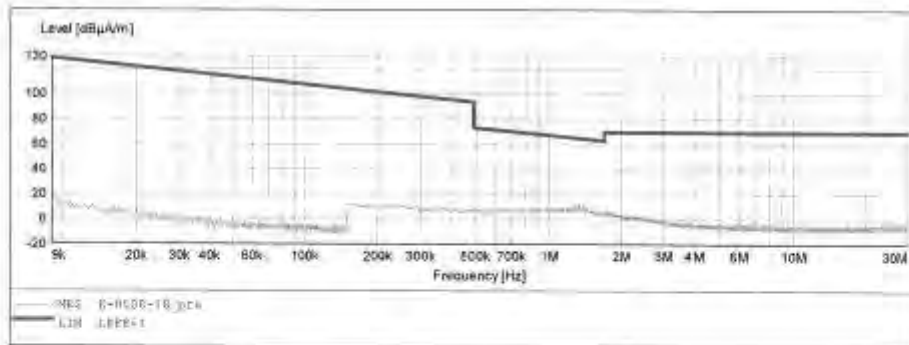
**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: M/N:NB-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2400MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 3V  
 Comment: 3  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
Frequency 9.0 kHz	Frequency 150.0 kHz	Width 100.0 Hz	QuasiPeak 1.0 s		200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak 1.0 s		9 kHz	1516M




**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Jan2015 #1129

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

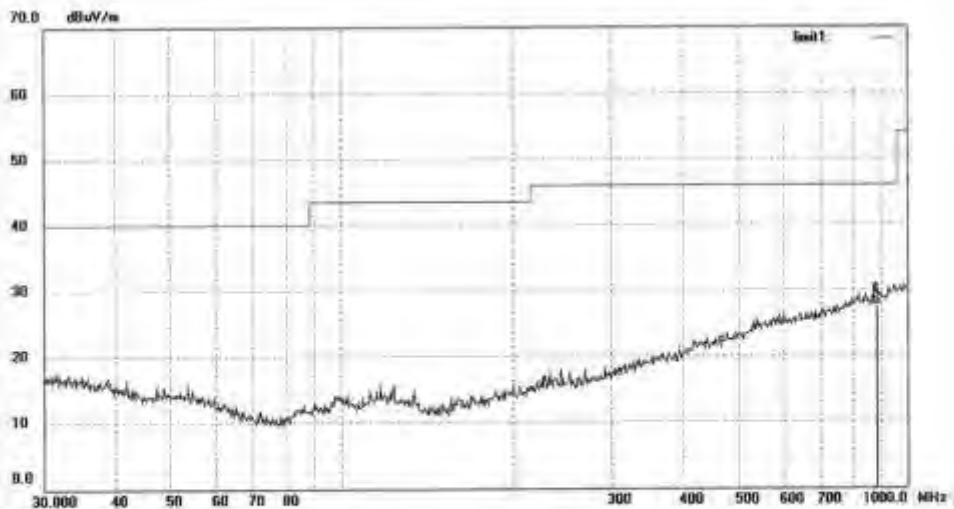
Date: 15/05/07

Time:

Engineer Signature:

Distance: 3m

Note



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	884.5028	26.24	1.20	27.44	46.00	-18.56	QP			


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: lan2015 #1130  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.(°C)/Hum.(%) 23 °C / 45 %  
EUT:  
Mode: TX 2402MHz  
Model: NS-GXBOMRK101  
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 3V

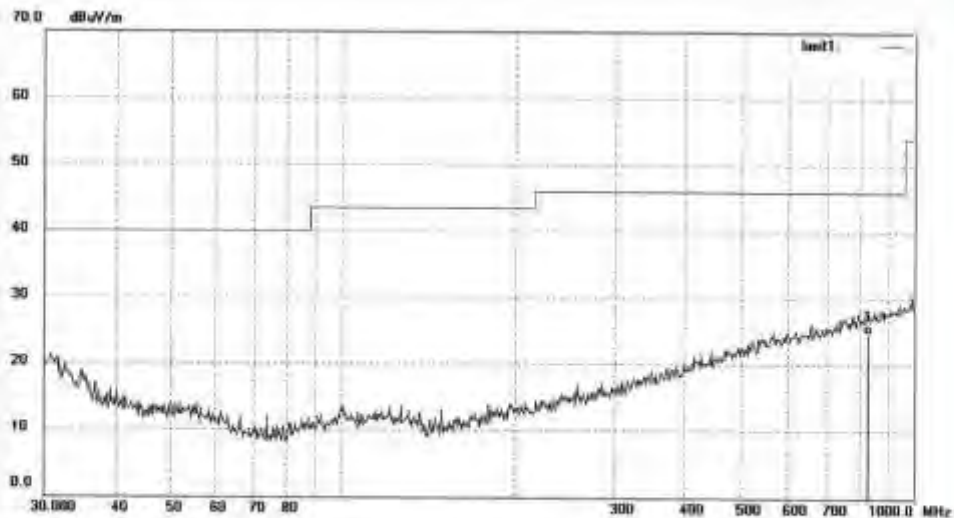
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	827.4933	24.37	0.48	24.85	46.00	-21.15	QP			


**ACCURATE TECHNOLOGY CO., LTD.**

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

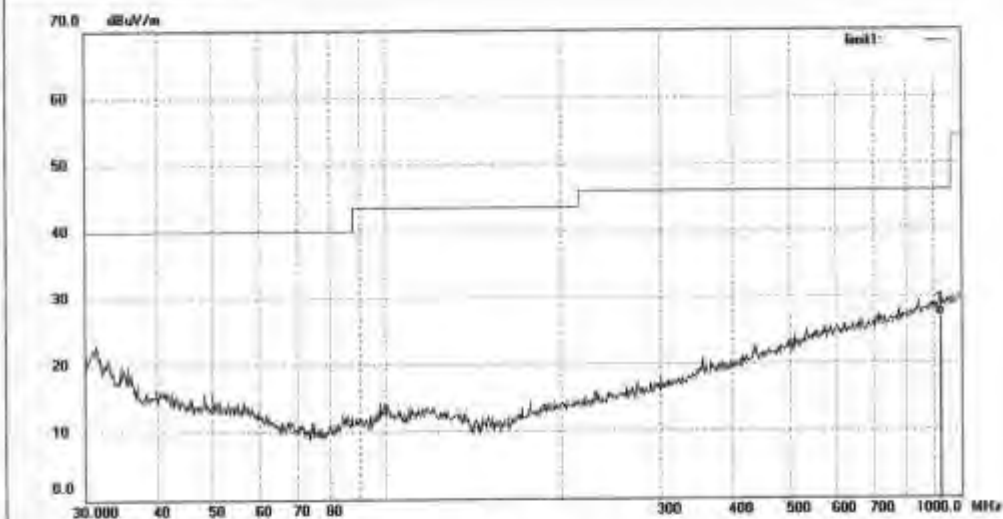
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian2015 #1131	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 15/05/07/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT:	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: NS-GXBOMRK101	
Manufacturer: THE ZEN FACTORY GROUP (ASIA)	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	922.5157	25.29	1.65	26.94	46.00	-19.06	QP			




**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

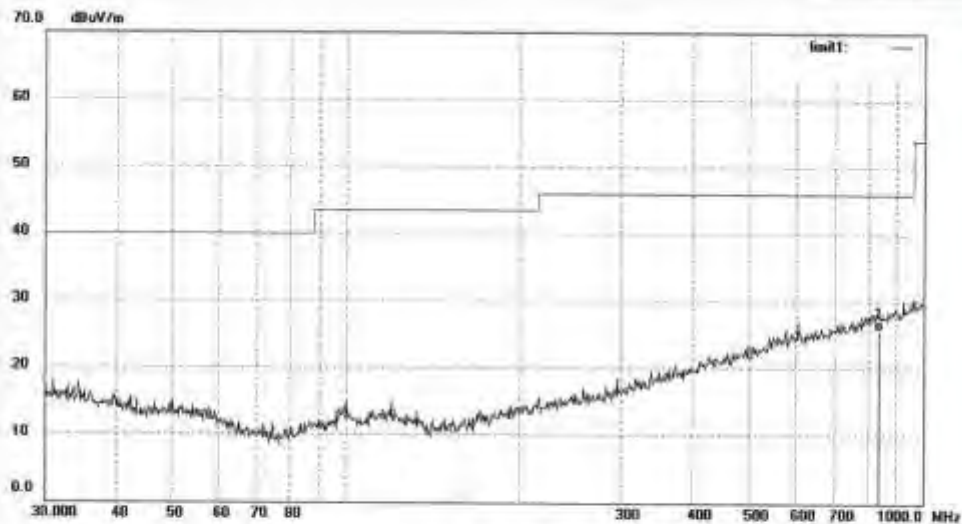
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Jan2015 #1132  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT  
Mode: TX 2441MHz  
Model: NS-GXBOMRK101  
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal  
Power Source: DC 3V  
Date: 15/05/07/  
Time:  
Engineer Signature:  
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	833.3170	25.16	0.59	25.75	46.00	-20.25	QP			


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

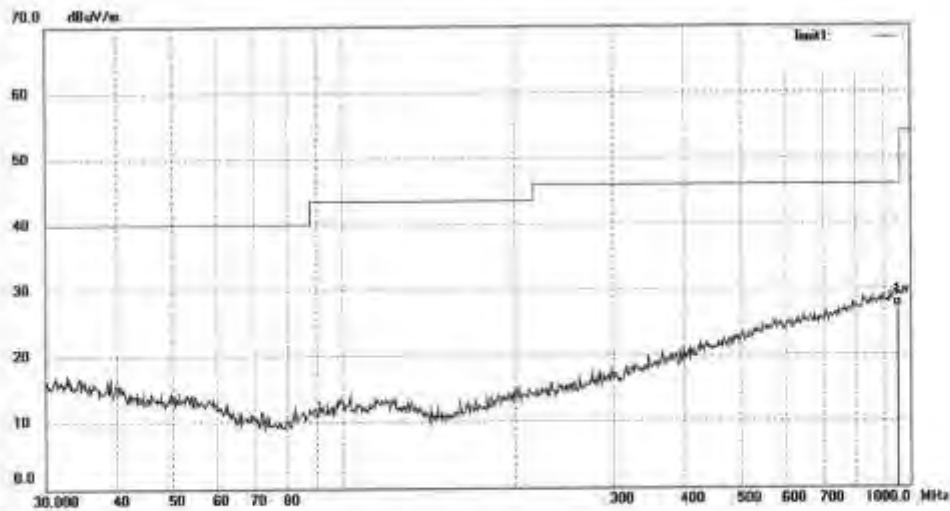
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian2015 #1133  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT:  
Mode: TX 2480MHz  
Model: NS-GXBOMRK101  
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal  
Power Source: DC 3V  
Date: 15/05/07/  
Time:  
Engineer Signature:  
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	952.0937	24.81	2.21	27.02	46.00	-18.98	QP			




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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Jan2015 #1134

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 3V

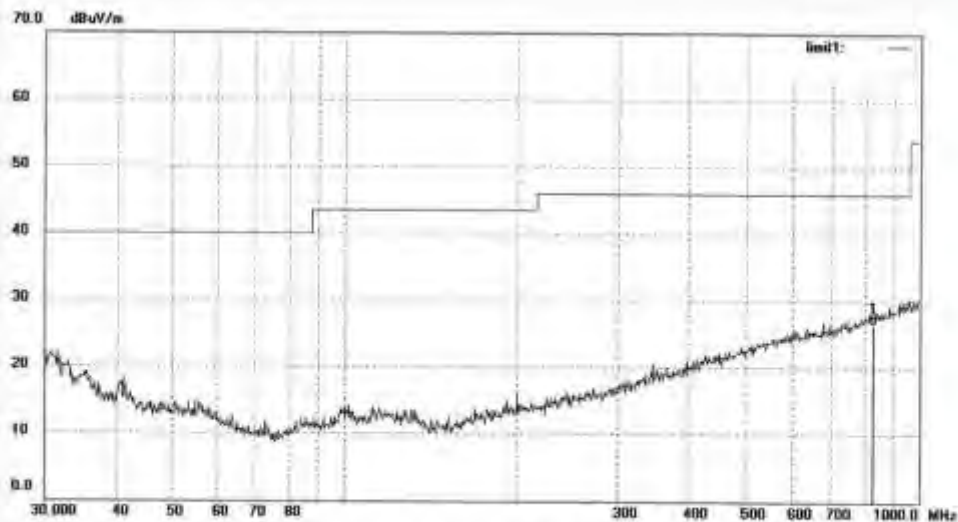
Date: 15/05/07/

Time

Engineer Signature:

Distance 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	827.4933	26.10	0.48	26.58	46.00	-19.42	QP			


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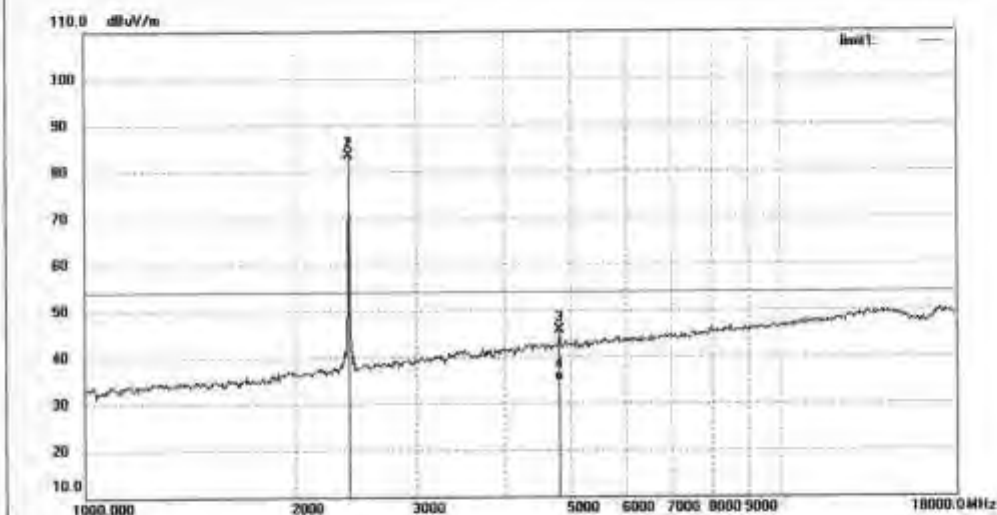
Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Jan2015 #1058	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 15/05/06/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT:	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: NS-GXBOMRK101	
Manufacturer: THE ZEN FACTORY GROUP (ASIA)	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	90.75	-7.45	83.30	/	/	peak			
2	2402.000	87.87	-7.45	80.42	/	/	AVG			
3	4804.010	46.04	-0.30	45.74	74.00	-28.26	peak			
4	4804.010	34.85	-0.30	34.55	54.00	-19.45	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Jan2015 #1059

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

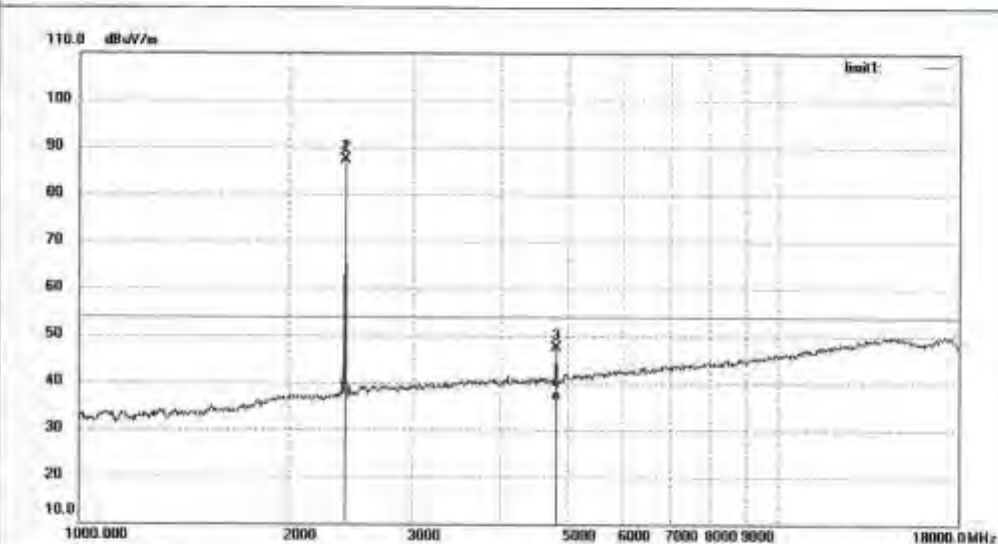
Date: 15/05/06/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	94.88	-7.45	87.43	/	/	peak			
2	2402.000	92.35	-7.45	84.90	/	/	AVG			
3	4804.011	47.57	-0.30	47.27	74.00	-26.73	peak			
4	4804.011	36.42	-0.30	36.12	54.00	-17.88	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax: +86-0755-26503396

Job No.: lan2015 #1063

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 3V

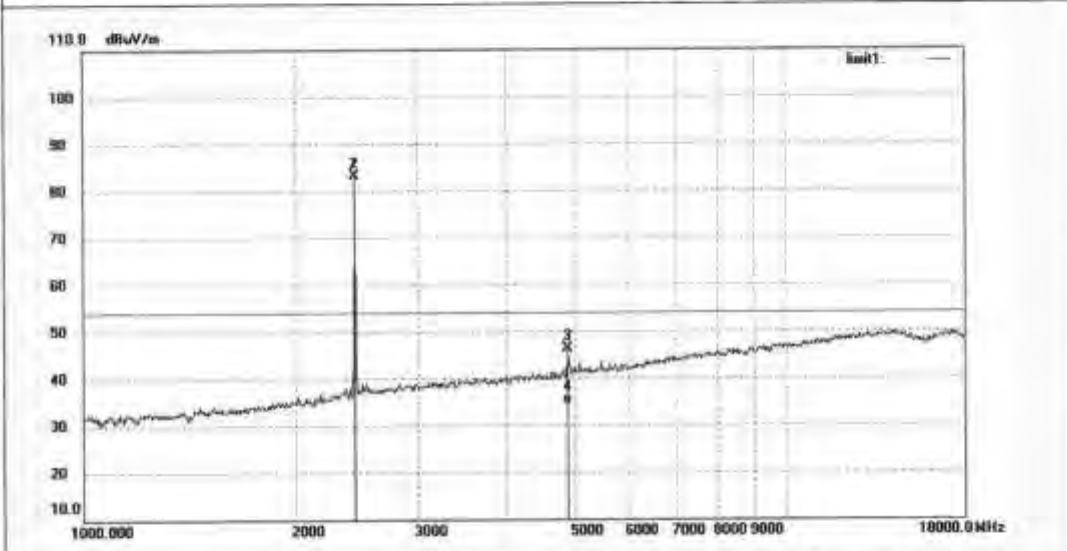
Date: 15/05/06/

Time:

Engineer Signature

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	90.36	-7.35	83.01	/	/	peak			
2	2441.000	87.79	-7.35	80.44	/	/	AVG			
3	4882.015	45.99	0.14	46.13	74.00	-27.87	peak			
4	4882.015	34.28	0.14	34.42	54.00	-19.58	AVG			




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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Jan2015 #1064

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

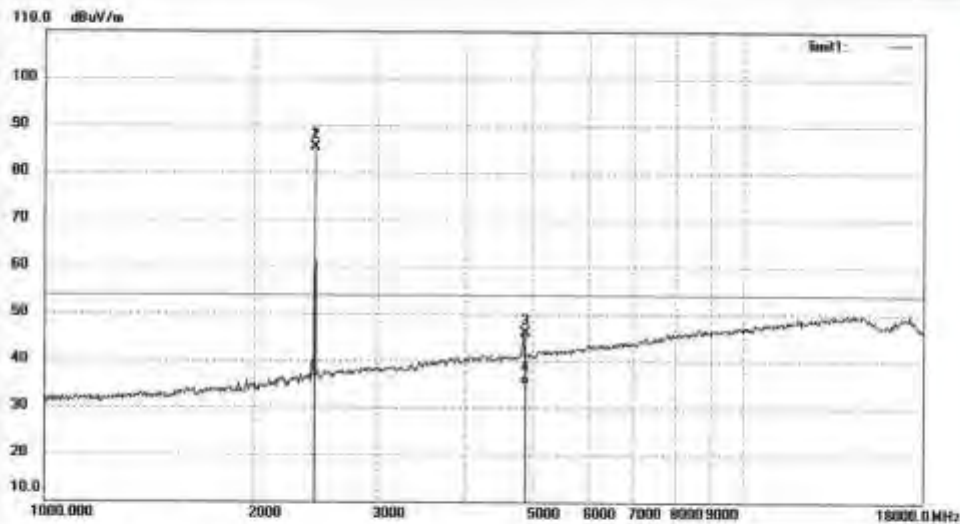
Date: 15/05/06/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	92.80	-7.35	85.45	/	/	peak			
2	2441.000	90.27	-7.35	82.92	/	/	AVG			
3	4882.028	45.72	0.14	45.86	74.00	-28.14	peak			
4	4882.028	34.64	0.14	34.78	54.00	-19.22	AVG			


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Fax:+86-0755-26503396

Job No.: lan2015 #1065

Standard: FCC Class B 3M Radiated

Test Item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

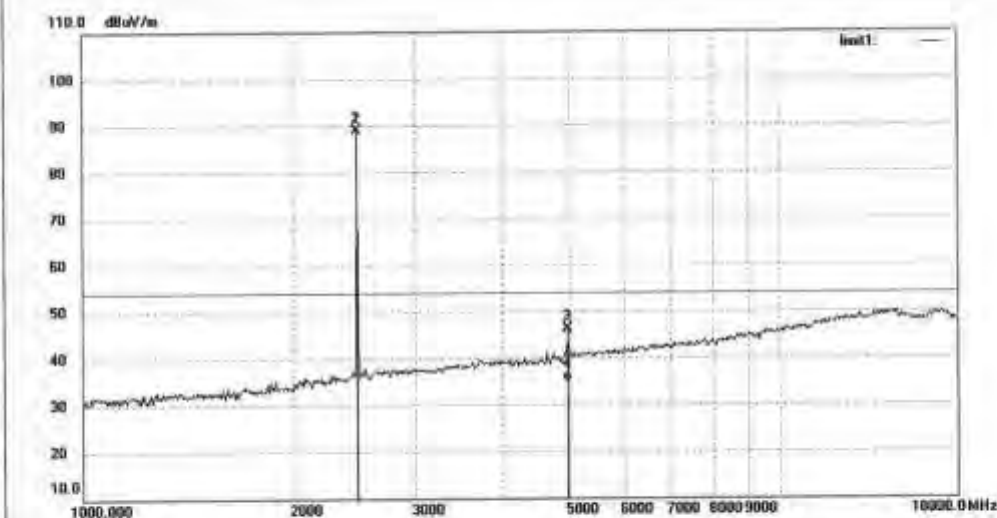
Date: 15/05/06/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	96.15	-7.37	88.78	/	/	peak			
2	2480.000	93.75	-7.37	86.38	/	/	AVG			
3	4960.033	45.64	0.52	46.16	74.00	-27.84	peak			
4	4960.033	34.32	0.52	34.84	54.00	-19.16	AVG			


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Site: 2# Chamber

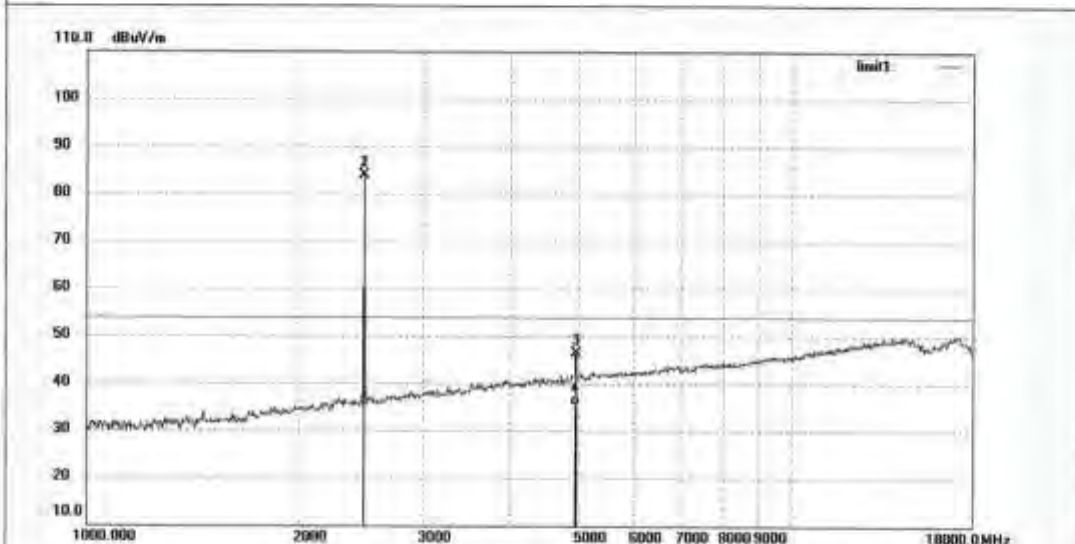
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Ian2015 #1066  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT:  
Mode: TX 2480MHz  
Model: NS-GXBOMRK101  
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical  
Power Source: DC 3V  
Date: 15/05/06/  
Time:  
Engineer Signature:  
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	91.20	-7.37	83.83	/	/	peak			
2	2480.000	88.79	-7.37	81.42	/	/	AVG			
3	4960.013	45.80	0.52	46.32	74.00	-27.68	peak			
4	4960.013	34.75	0.52	35.27	54.00	-18.73	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: lan2015 #1099

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

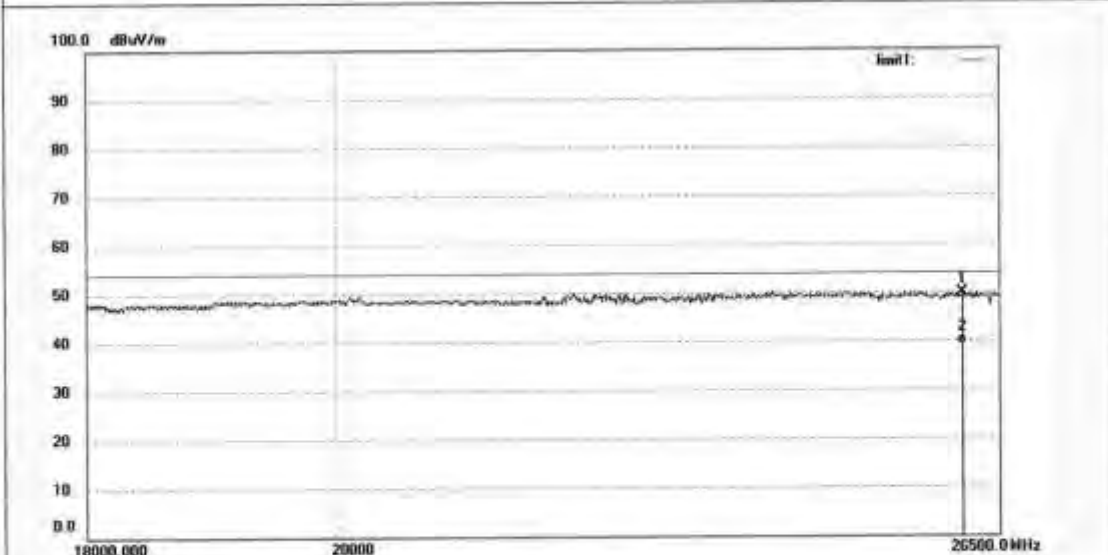
Date: 15/05/07/

Time

Engineer Signature

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26103.270	33.23	16.50	49.73	74.00	-24.27	peak			
2	26103.270	22.45	16.50	38.95	54.00	-15.05	AVG			




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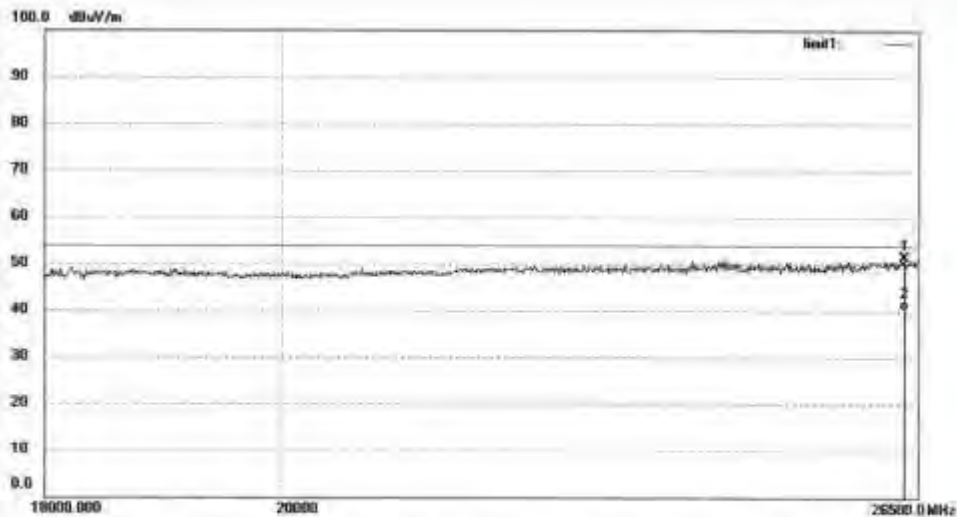
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: lan2015 #1100	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 15/05/07/
Temp ( C)/Hum.(%) 23 C / 48 %	Time:
EUT	Engineer Signature:
Mode: TX 2402MHz	Distance: 3m
Model: NS-GXBOMRK101	
Manufacturer: THE ZEN FACTORY GROUP (ASIA)	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26346.703	34.97	16.50	51.47	74.00	-22.53	peak			
2	26346.703	23.57	16.50	40.07	54.00	-13.93	AVG			


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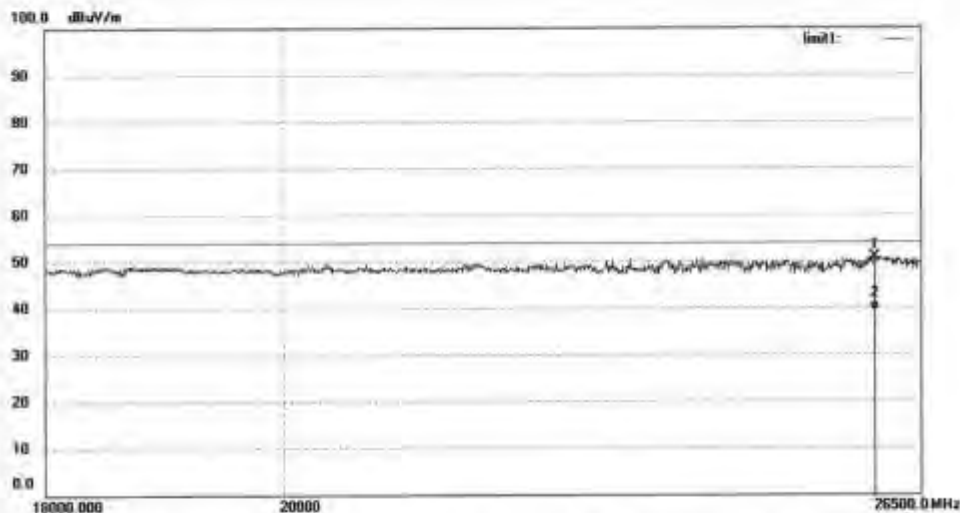
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: lan2015 #1101	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 15/05/07/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT:	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: NS-GXBOMRK101	
Manufacturer: THE ZEN FACTORY GROUP (ASIA)	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25972.351	34.20	16.50	50.70	74.00	-23.30	peak			
2	25972.351	22.68	16.50	39.18	54.00	-14.82	AVG			


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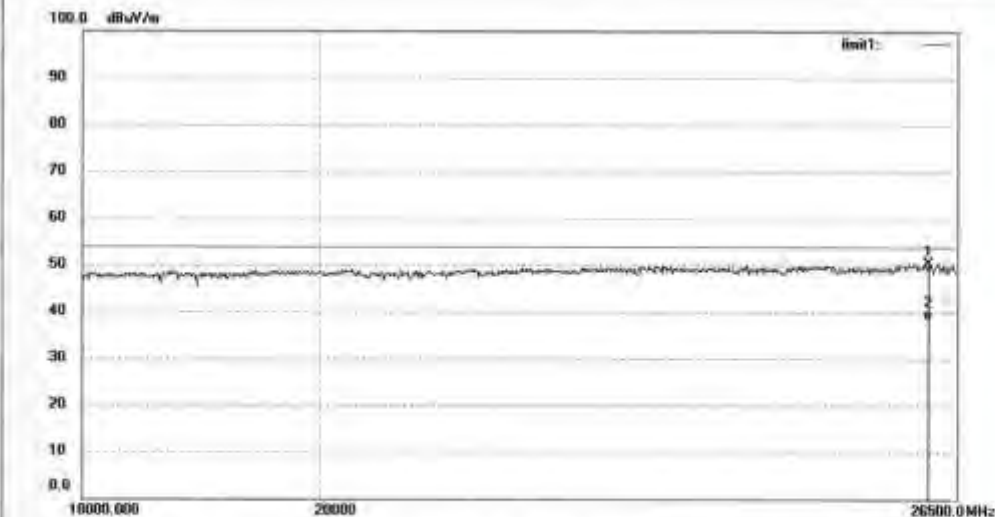
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Jan2015 #1102	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 15/05/07/
Temp.( C)/Hum.(%) 23 C / 48 %	Time:
EUT:	Engineer Signature:
Mode: TX 2441MHz	Distance: 3m
Model: NS-GXBOMRK101	
Manufacturer: THE ZEN FACTORY GROUP (ASIA)	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26163.916	33.95	16.50	50.45	74.00	-23.55	peak			
2	26163.916	21.88	16.50	38.38	54.00	-15.62	AVG			


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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Jan2015 #1103

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

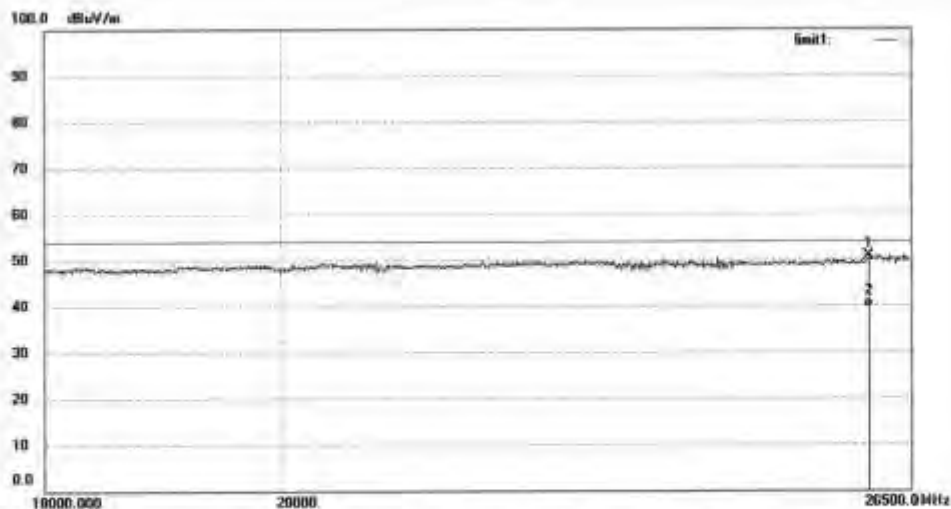
Date: 15/05/07/

Time:

Engineer Signature

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26022.626	34.25	16.50	50.75	74.00	-23.25	peak			
2	26022.626	22.93	16.50	39.43	54.00	-14.57	AVG			


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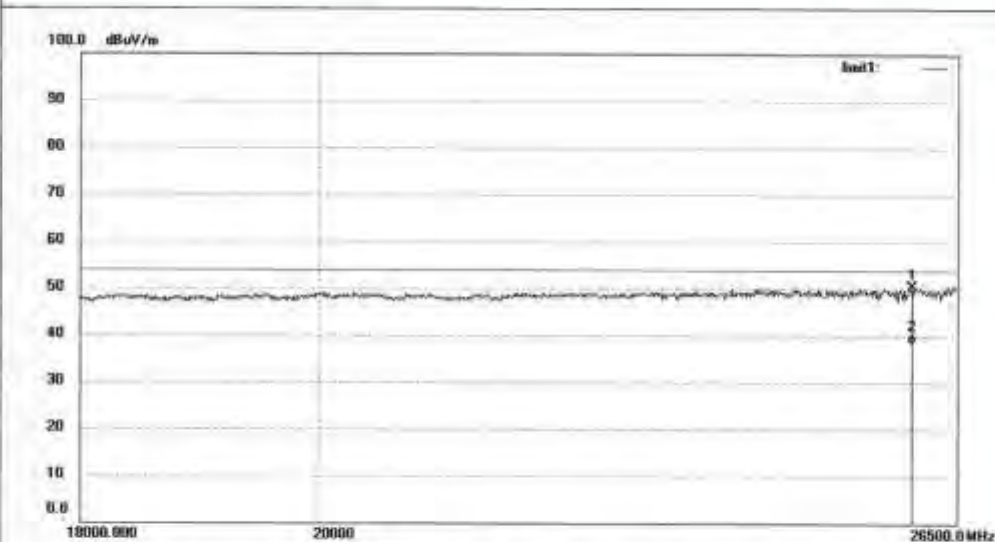
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: lan2015 #1104	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3V
Test item: Radiation Test	Date: 15/05/07/
Temp.( C)/Hum.(%) 23 C / 48 %	Time
EUT:	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: NS-GXBOMRK101	
Manufacturer: THE ZEN FACTORY GROUP (ASIA)	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25982.398	33.90	16.50	50.40	74.00	-23.60	peak			
2	25982.398	21.86	16.50	38.36	54.00	-15.64	AVG			




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Site: 2# Chamber

Tel: +86-0755-26503280

Fax: +86-0755-26503396

Job No.: Jan2015 #1060

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

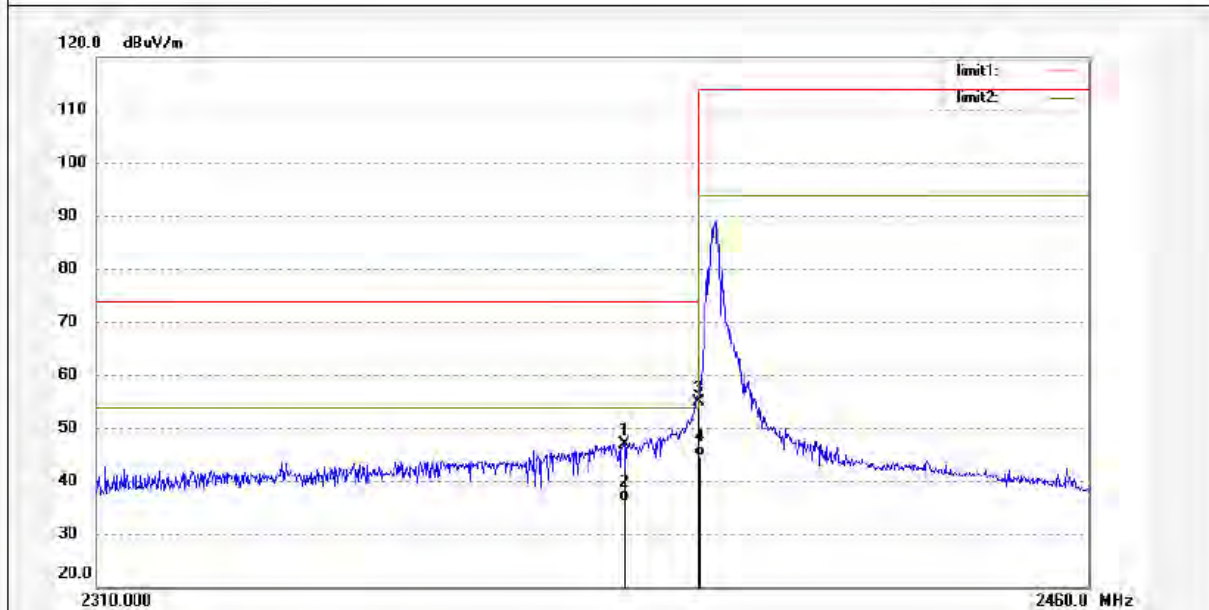
Date: 15/05/08/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2388.600	54.34	-7.54	46.80	74.00	-27.20	peak			
2	2388.600	43.73	-7.54	36.19	54.00	-17.81	AVG			
3	2400.000	62.40	-7.46	54.94	74.00	-19.06	peak			
4	2400.000	51.97	-7.46	44.51	54.00	-9.49	AVG			


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Site: 2# Chamber

Tel: +86-0755-28503290

Fax: +86-0755-28503396

Job No.: Ian2015 #1081

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 3V

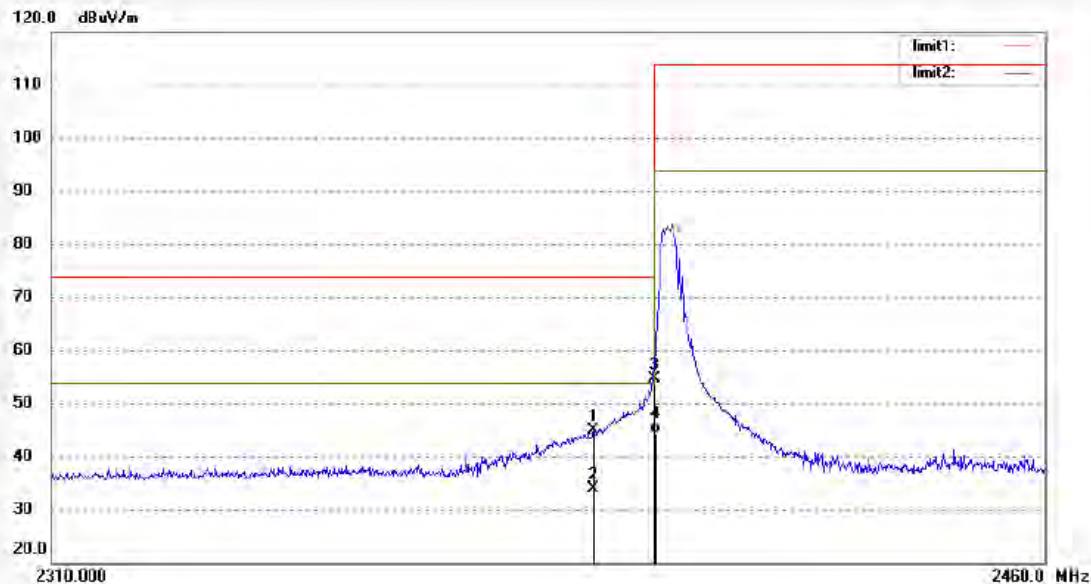
Date: 15/05/06/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.850	52.41	-7.52	44.89	74.00	-29.11	peak			
2	2390.850	41.38	-7.52	33.86	74.00	-40.14	AVG			
3	2400.000	62.21	-7.46	54.75	74.00	-19.25	peak			
4	2400.000	51.75	-7.46	44.29	54.00	-9.71	AVG			


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Tel: +86-0755-28503290

Fax: +86-0755-28503386

Job No.: Ian2015 #1088

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 3V

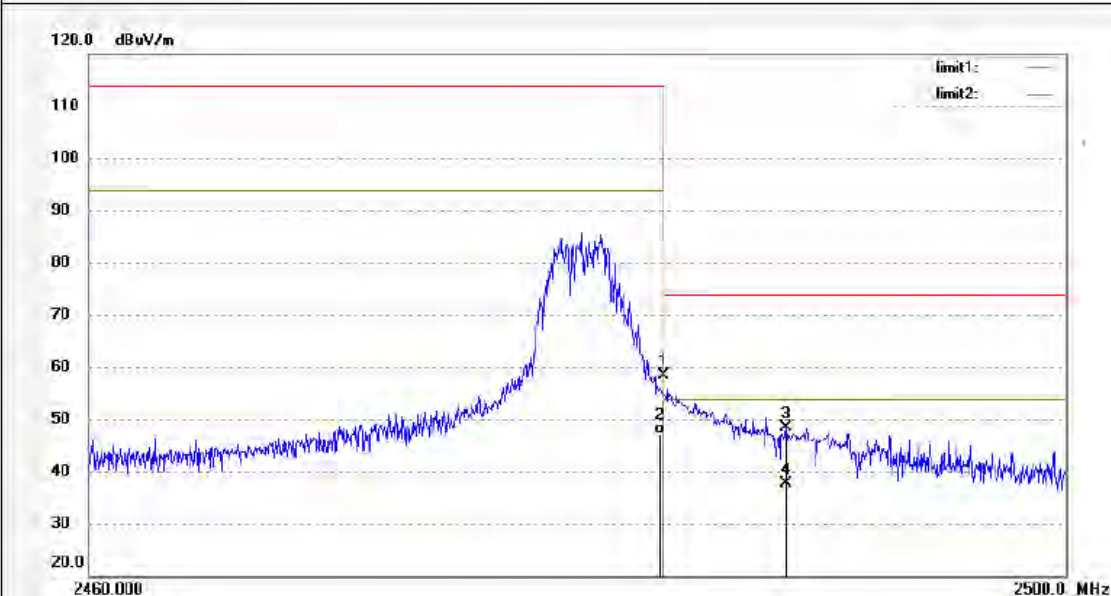
Date: 15/05/08/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	85.73	-7.37	58.36	74.00	-15.64	peak			
2	2483.500	54.44	-7.37	47.07	54.00	-8.93	AVG			
3	2488.520	55.85	-7.38	48.47	74.00	-25.53	peak			
4	2488.520	44.91	-7.38	37.53	74.00	-36.47	AVG			




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Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: lan2015 #1087

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 3V

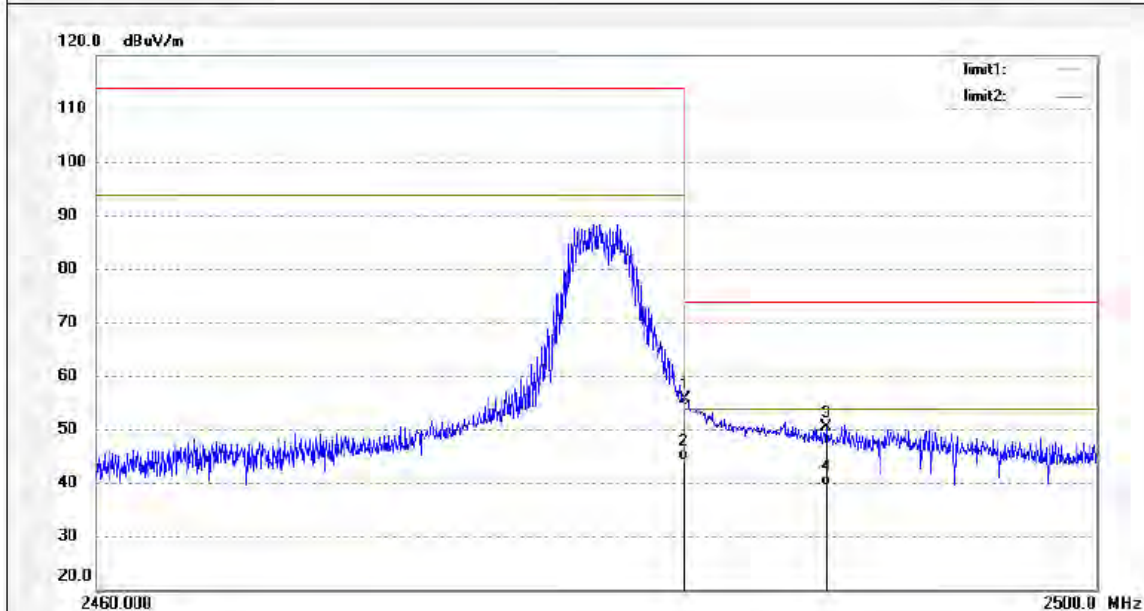
Date: 15/05/06/

Time:

Engineer Signature:

Distance: 3m

Note:



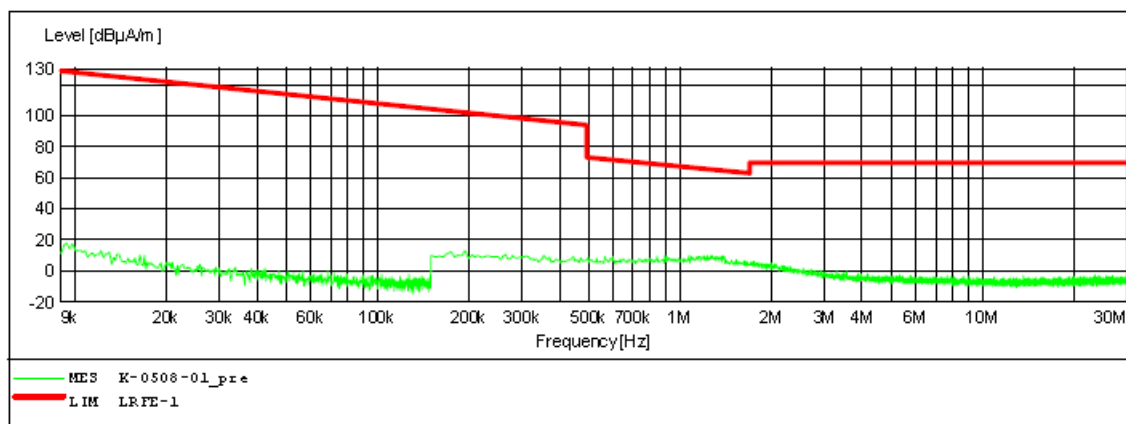
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	82.88	-7.37	55.51	74.00	-18.49	peak			
2	2483.500	51.45	-7.37	44.08	54.00	-9.92	AVG			
3	2489.160	57.84	-7.39	50.45	74.00	-23.55	peak			
4	2489.160	48.76	-7.39	39.37	54.00	-14.63	AVG			

**Test Plots of Radiated spurious emissions outside band-Dongle**
**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2402MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 5V  
 Comment: X  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

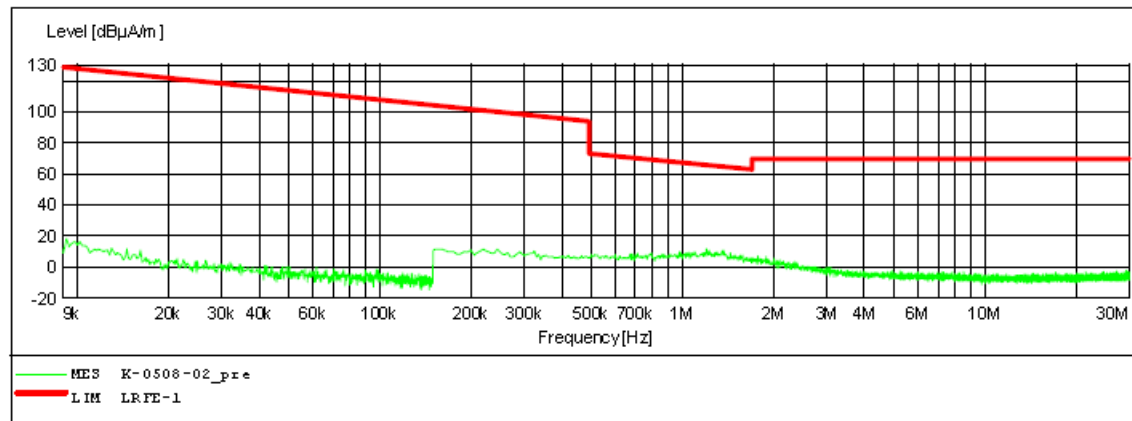


**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2402MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 5V  
 Comment: Y  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

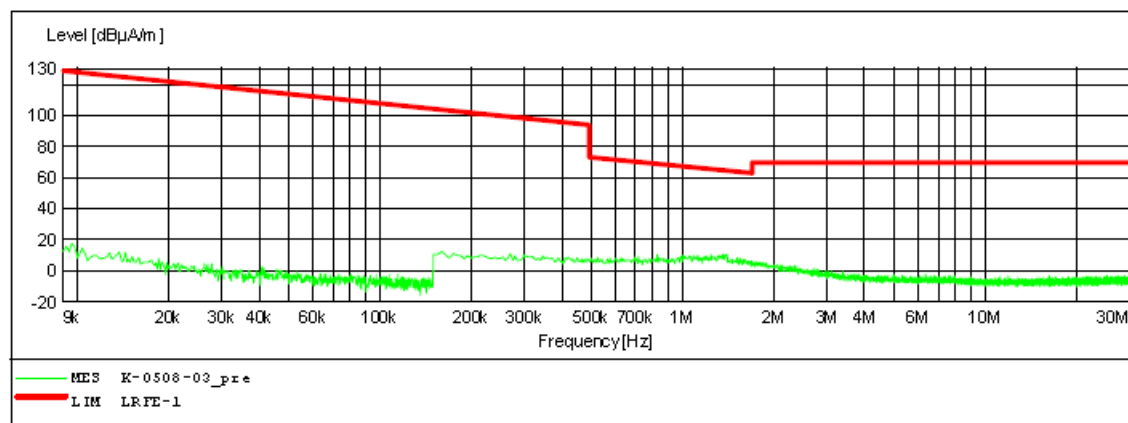


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2402MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 5V  
 Comment: Z  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

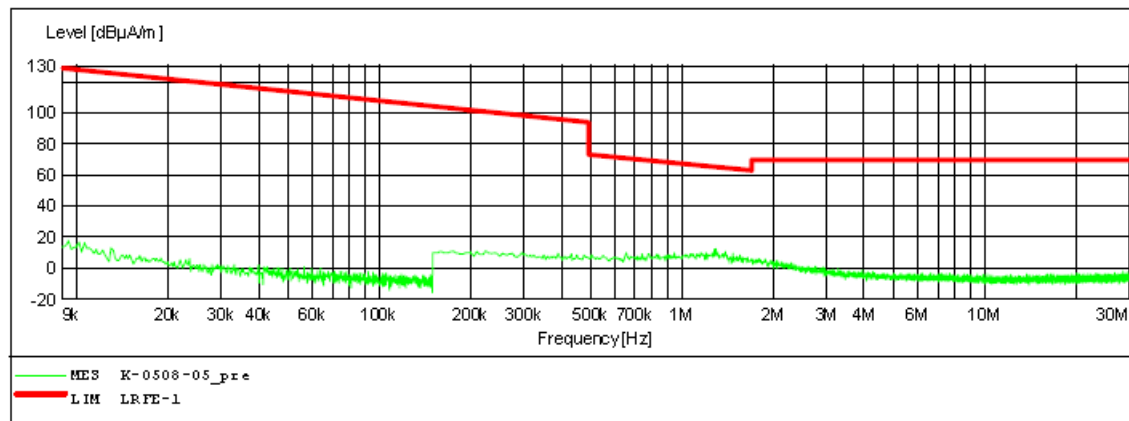


**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2441MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 5V  
 Comment: Y  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

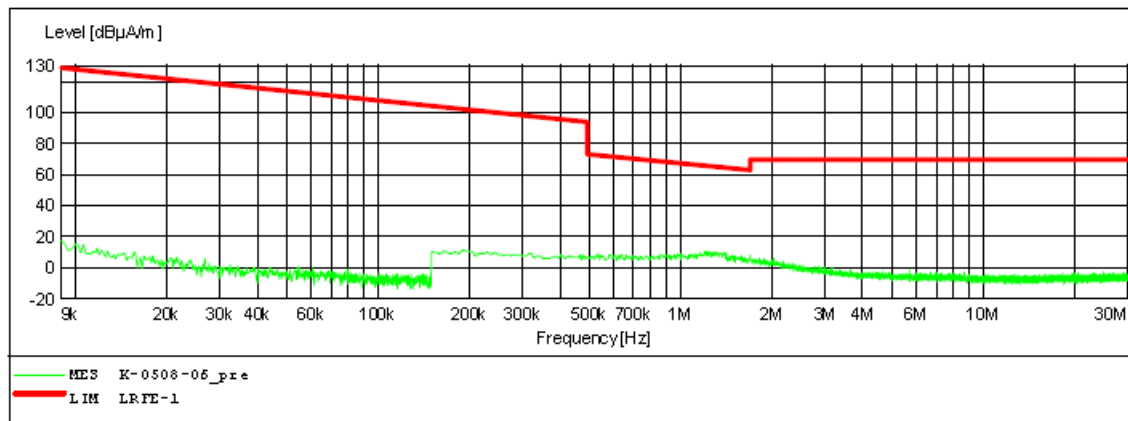


**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2441MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 5V  
 Comment: Z  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



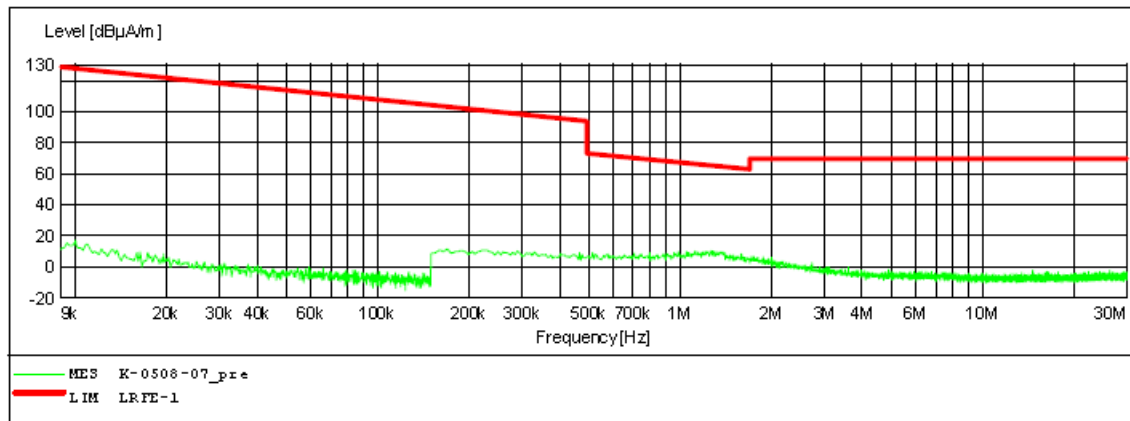


**ACCURATE TECHNOLOGY CO.,LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2480MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 5V  
 Comment: X  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

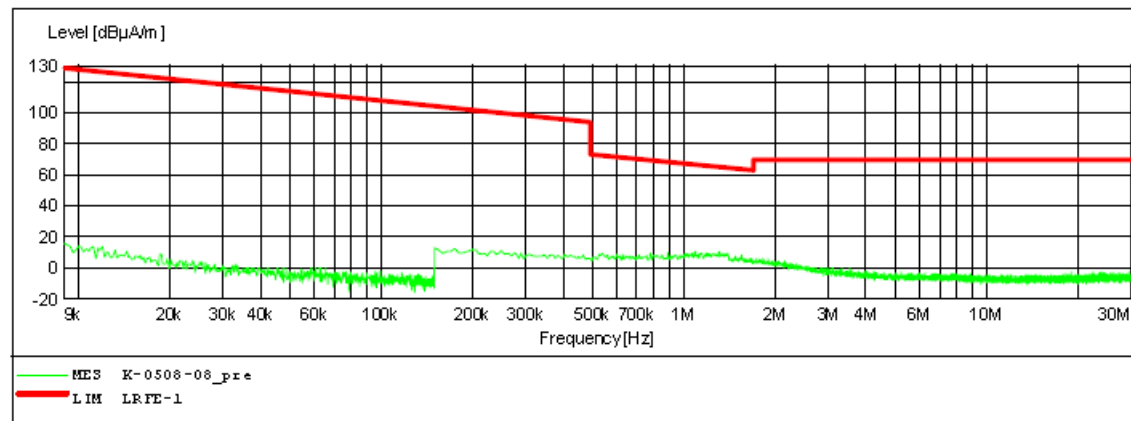


**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2480MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 5V  
 Comment: Y  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

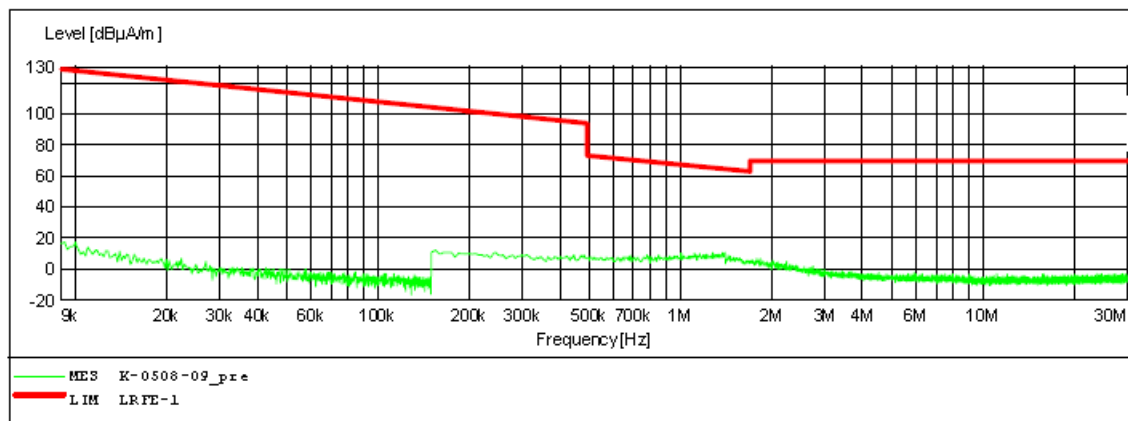


**ACCURATE TECHNOLOGY CO., LTD**
**FCC Class B 3m Radiated**

EUT: M/N: NS-GXBOMRK101  
 Manufacturer: THE ZEN FACTORY GROUP (ASIA)  
 Operating Condition: TX 2480MHz  
 Test Site: 1#Shielding Room  
 Operator: LAN  
 Test Specification: DC 5V  
 Comment: Z  
 Start of Test: 2015-5-8 /

**SCAN TABLE: "LFRE Fin"**

Short Description:			SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M




**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel:+86-0755-26503280

Fax:+86-0755-26503396

Job No.: lah2015 #1123

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

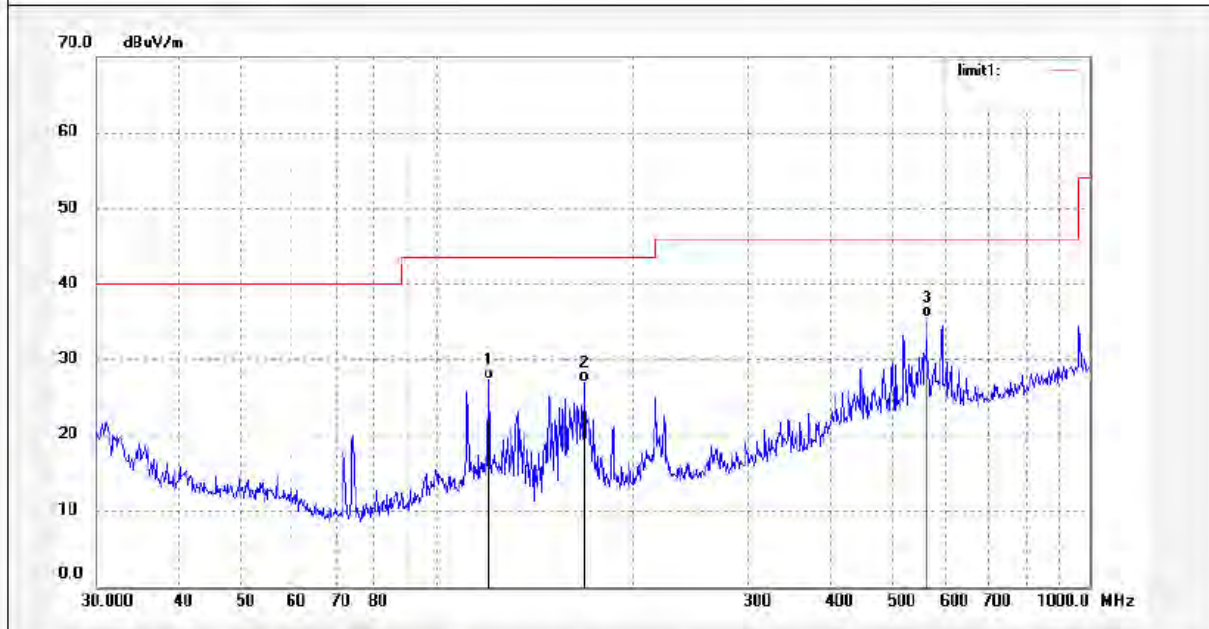
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.8555	40.59	-13.15	27.44	43.50	-16.06	QP			
2	187.8241	41.12	-14.02	27.10	43.50	-16.40	QP			
3	582.8824	39.05	-3.42	35.63	46.00	-10.37	QP			


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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503398

Job No.: Jan2015 #1124

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

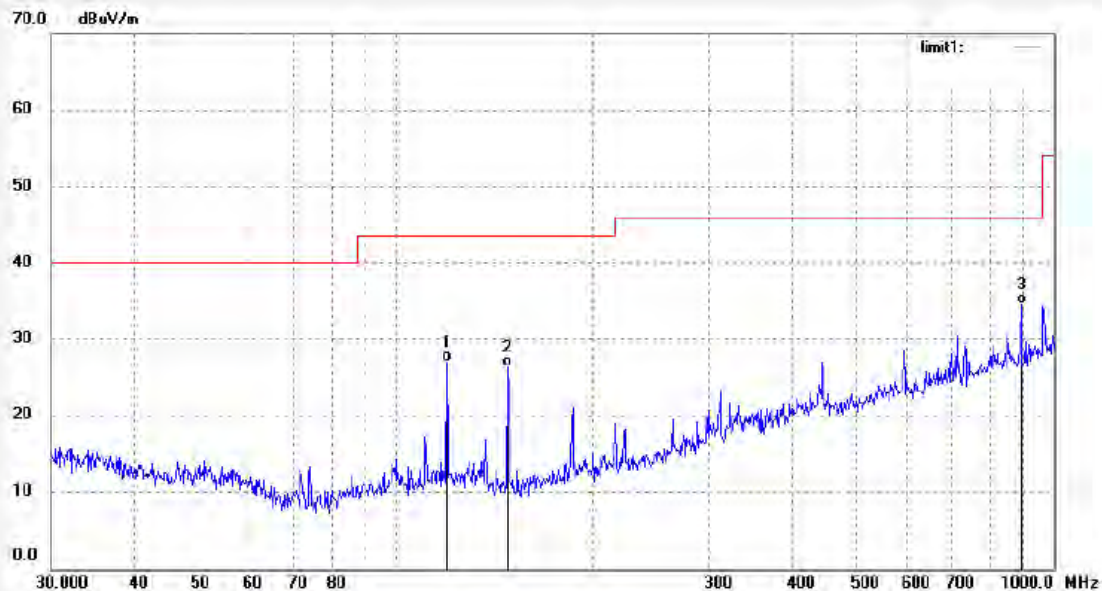
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.8555	40.25	-13.15	27.10	43.50	-16.40	QP			
2	147.9214	41.49	-15.19	26.30	43.50	-17.20	QP			
3	893.8587	33.23	1.26	34.49	46.00	-11.51	QP			




**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503398

Job No.: lan2015 #1125

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 5V

Test item: Radiation Test

Date: 15/05/07/

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

Time:

EUT:

Engineer Signature:

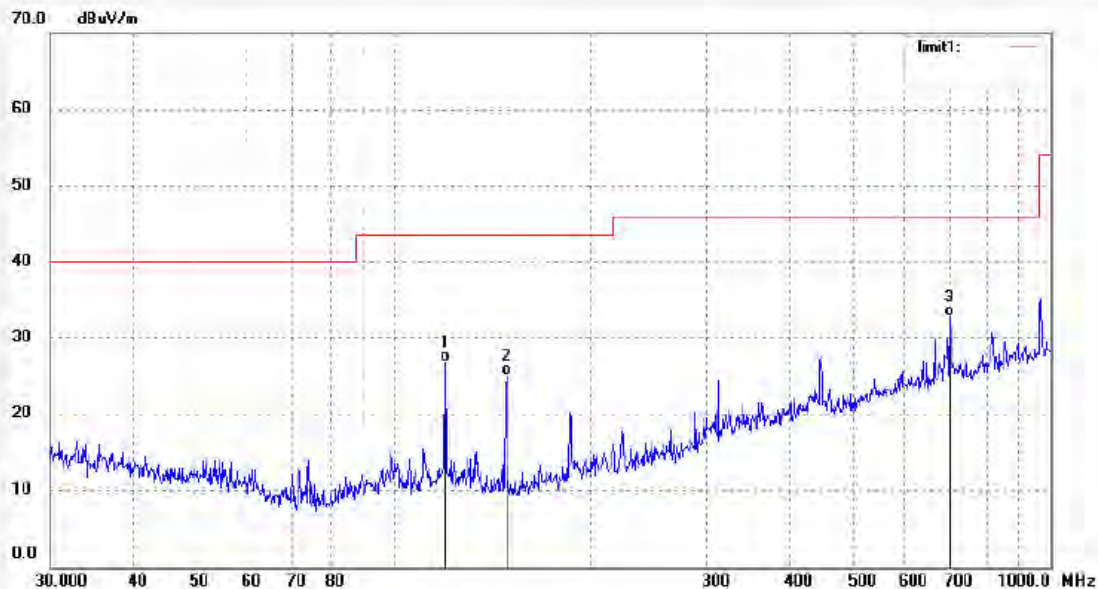
Mode: TX 2441MHz

Distance: 3m

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.8555	40.10	-13.15	26.95	43.50	-16.55	QP			
2	148.4410	40.27	-15.18	25.09	43.50	-18.41	QP			
3	701.7609	34.45	-1.72	32.73	46.00	-13.27	QP			




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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Ian2015 #1128

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

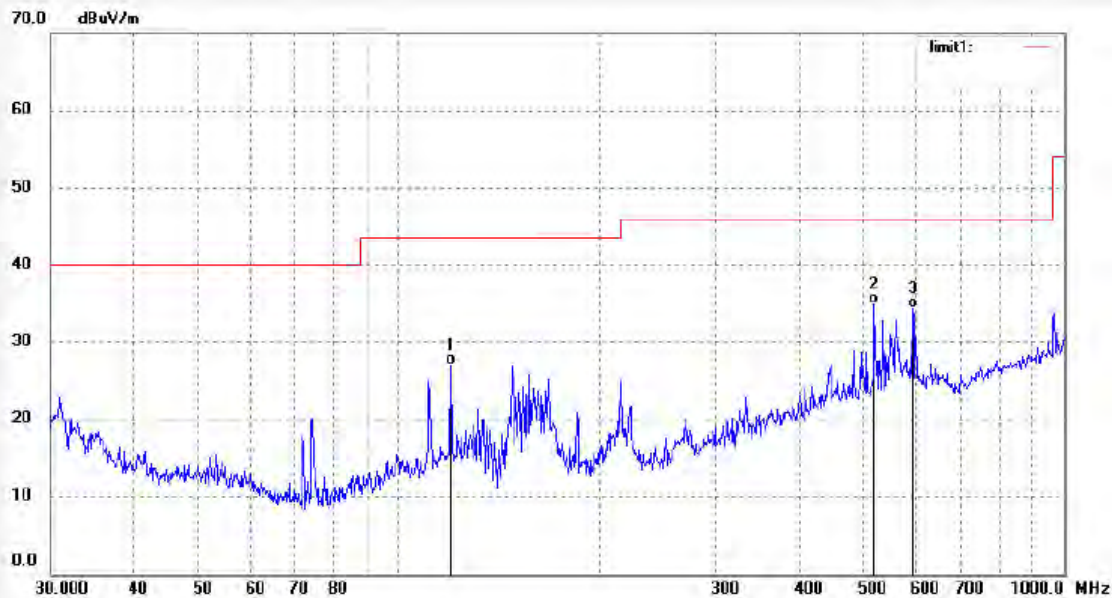
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Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.8555	40.25	-13.15	27.10	43.50	-16.40	QP			
2	519.0647	39.24	-4.36	34.88	46.00	-11.12	QP			
3	593.0497	37.39	-3.03	34.36	46.00	-11.64	QP			


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503398

Job No.: Jan2015 #1127

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 5V

Test item: Radiation Test

Date: 15/05/07/

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

Time:

EUT:

Engineer Signature:

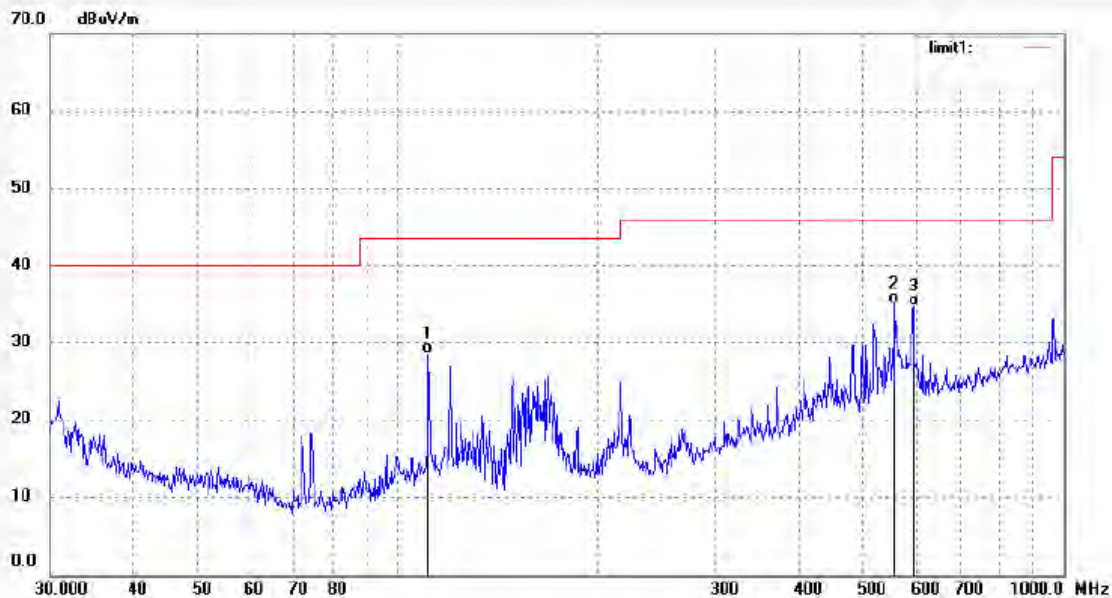
Mode: TX 2480MHz

Distance: 3m

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	110.9570	42.37	-13.75	28.62	43.50	-14.88	QP			
2	556.7744	38.55	-3.48	35.07	46.00	-10.93	QP			
3	595.1327	37.84	-3.02	34.82	46.00	-11.18	QP			


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Ian2015 #1128

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 5V

Test item: Radiation Test

Date: 15/05/07/

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

Time:

EUT:

Engineer Signature:

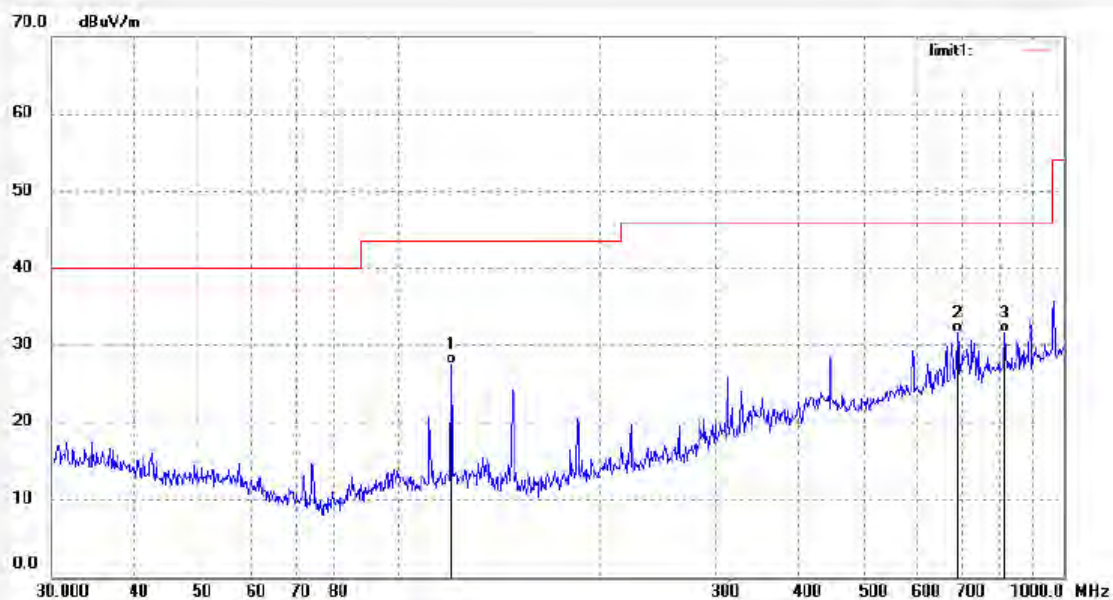
Mode: TX 2480MHz

Distance: 3m

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.8555	40.70	-13.15	27.55	43.50	-15.95	QP			
2	691.9867	33.43	-1.90	31.53	46.00	-14.47	QP			
3	815.9678	31.28	0.27	31.55	46.00	-14.45	QP			




**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Jan2015 #1069

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

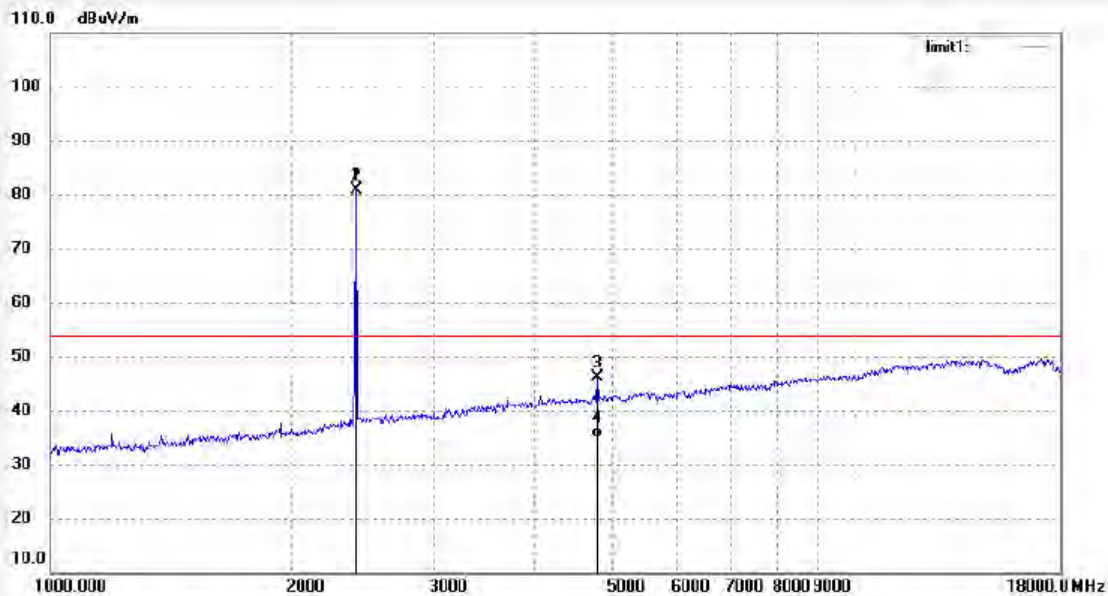
Date: 15/05/07/

Time:

Engineer Signature

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	88.30	-7.45	80.85	/	/	peak			
2	2402.000	88.45	-7.45	79.00	/	/	AVG			
3	4804.025	46.43	-0.30	46.13	74.00	-27.87	peak			
4	4804.025	35.12	-0.30	34.82	54.00	-19.18	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: lan2015 #1070

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

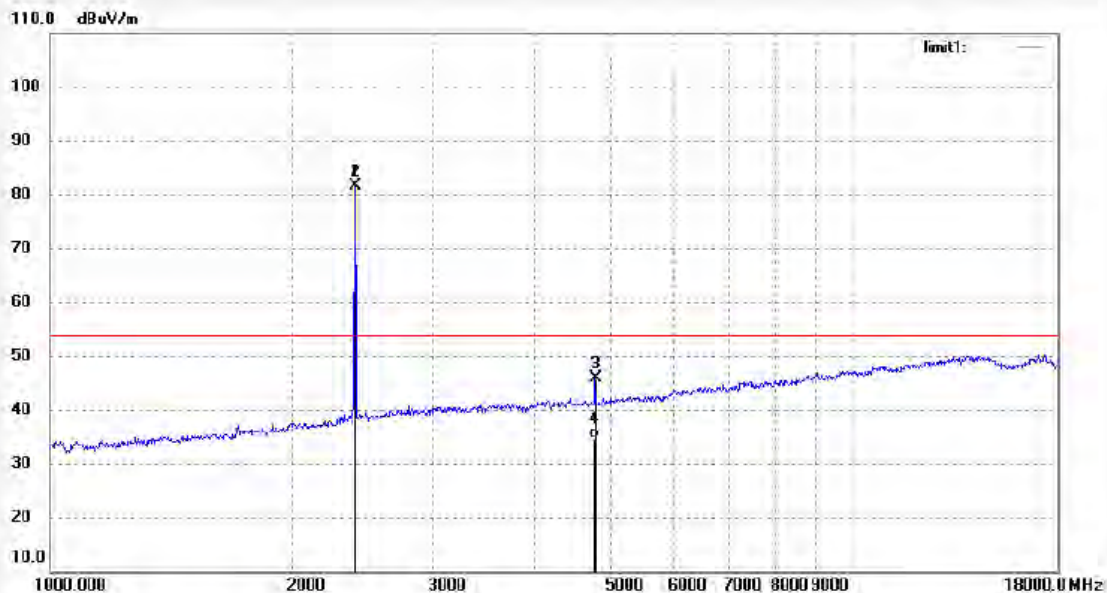
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	89.08	-7.45	81.63	/	/	peak			
2	2402.000	86.48	-7.45	79.01	/	/	AVG			
3	4804.019	46.10	-0.30	45.80	74.00	-28.20	peak			
4	4804.019	35.04	-0.30	34.74	54.00	-19.26	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: lan2015 #1073

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

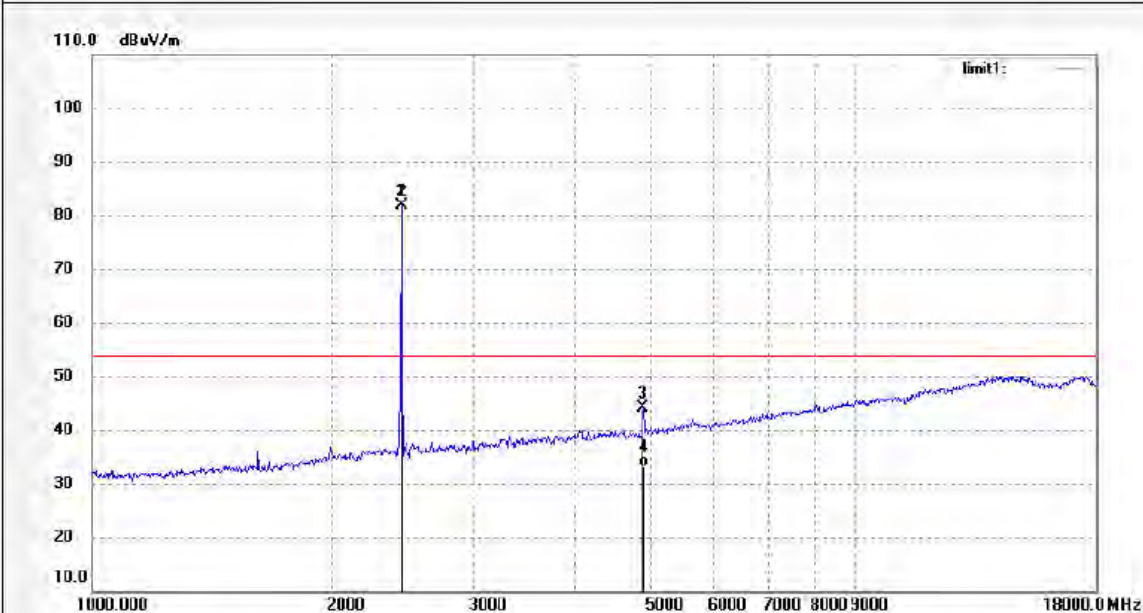
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Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	89.13	-7.35	81.78	/	/	peak			
2	2441.000	88.57	-7.35	79.22	/	/	AVG			
3	4882.023	44.11	0.14	44.25	74.00	-29.75	peak			
4	4882.023	33.04	0.14	33.18	54.00	-20.82	AVG			




**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel: +86-0755-28503290

Fax: +86-0755-28503398

Job No.: Jan2015 #1074

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

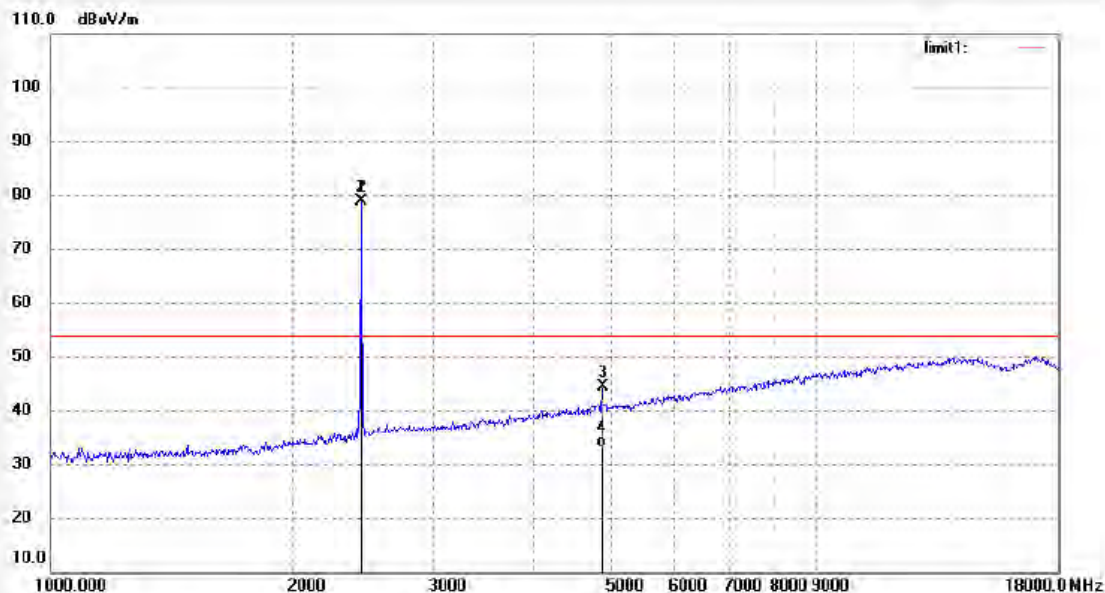
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	86.35	-7.35	79.00	/	/	peak			
2	2441.000	84.60	-7.35	77.25	/	/	AVG			
3	4882.015	44.20	0.14	44.34	74.00	-29.66	peak			
4	4882.015	33.04	0.14	33.18	54.00	-20.82	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: Jan2015 #1075

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

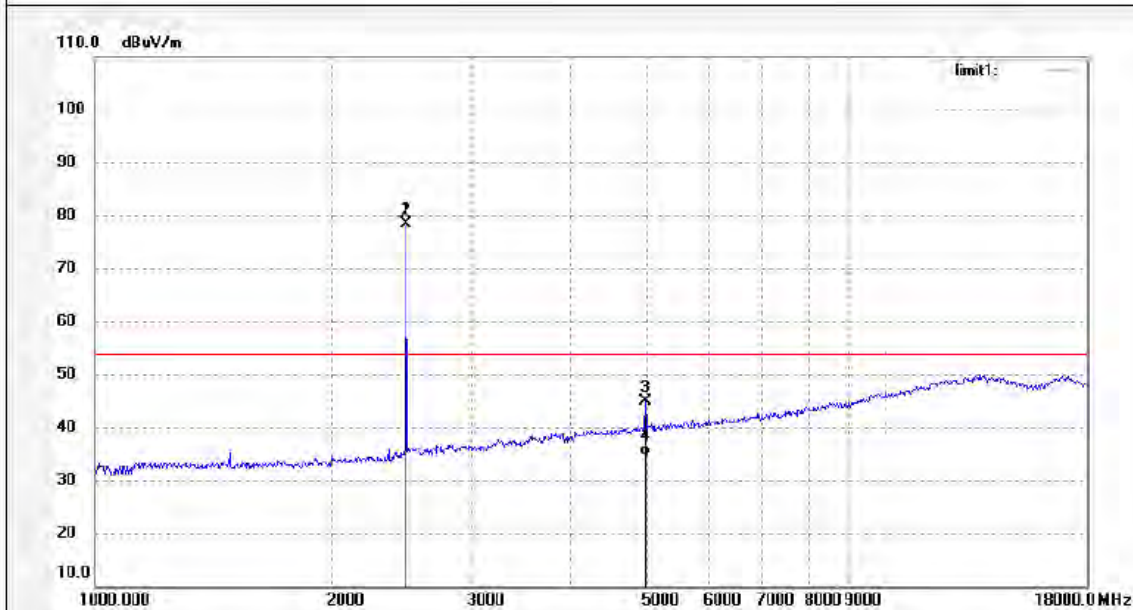
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Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	85.84	-7.37	78.47	/	/	peak			
2	2480.000	83.44	-7.37	76.07	/	/	AVG			
3	4980.017	44.41	0.52	44.93	74.00	-29.07	peak			
4	4980.017	34.17	0.52	34.69	54.00	-19.31	AVG			


**ACCURATE TECHNOLOGY CO., LTD.**

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Jan2015 #1076

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

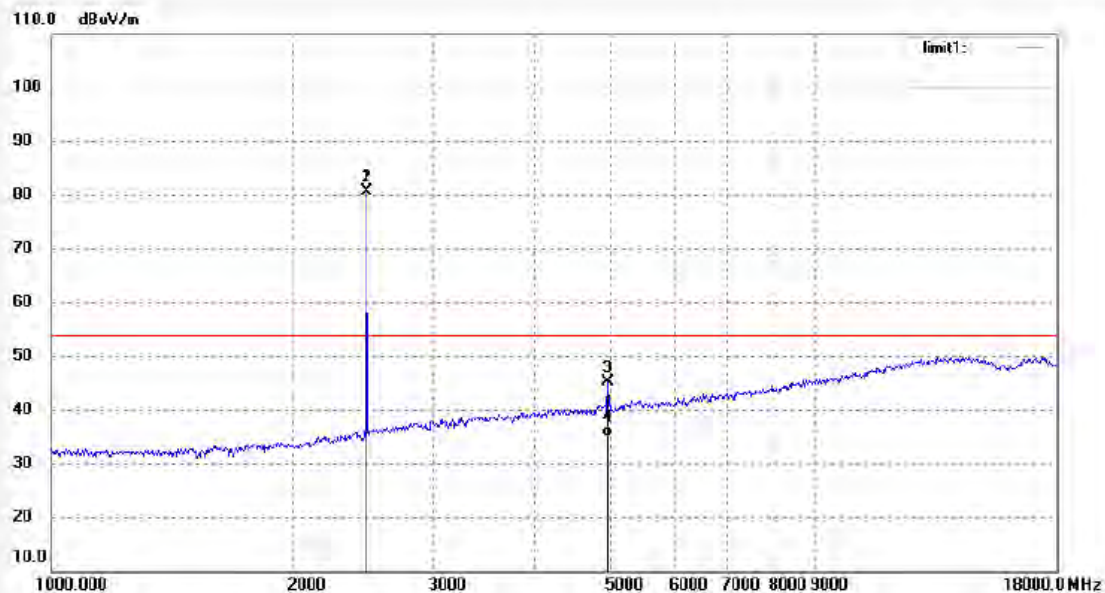
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	88.11	-7.37	80.74	/	/	peak			
2	2480.000	88.51	-7.37	79.14	/	/	AVG			
3	4950.031	44.56	0.47	45.03	74.00	-28.97	peak			
4	4950.031	34.53	0.47	35.00	54.00	-19.00	AVG			




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Fax: +86-0755-26503396

Job No.: lan2015 #1105

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

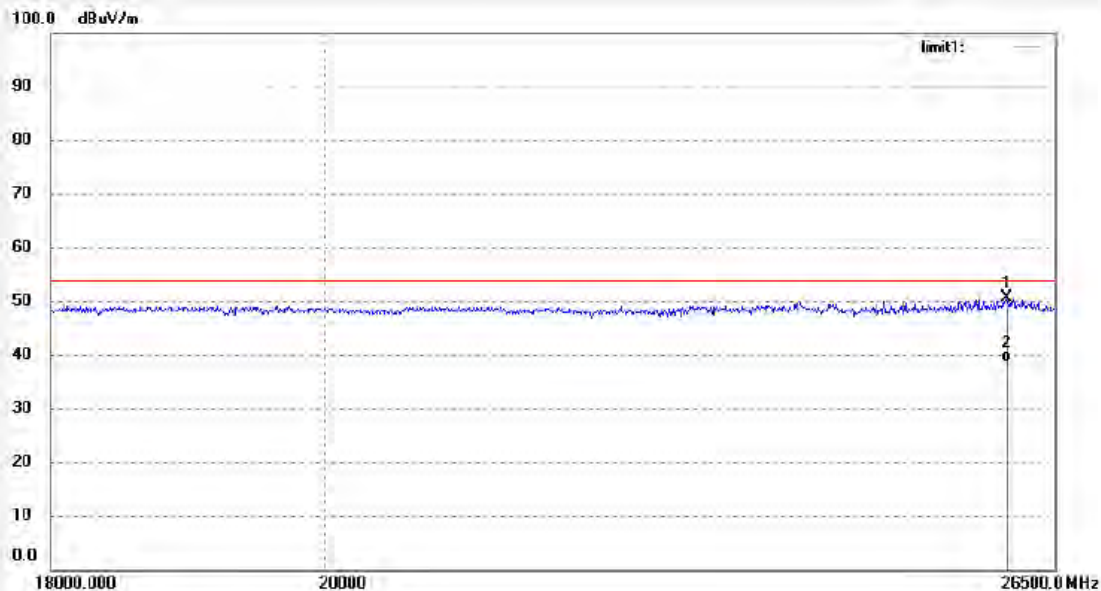
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26012.563	34.03	16.50	50.53	74.00	-23.47	peak			
2	26012.563	22.01	16.50	38.51	54.00	-15.49	AVG			


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Job No.: Jan2015 #1108

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

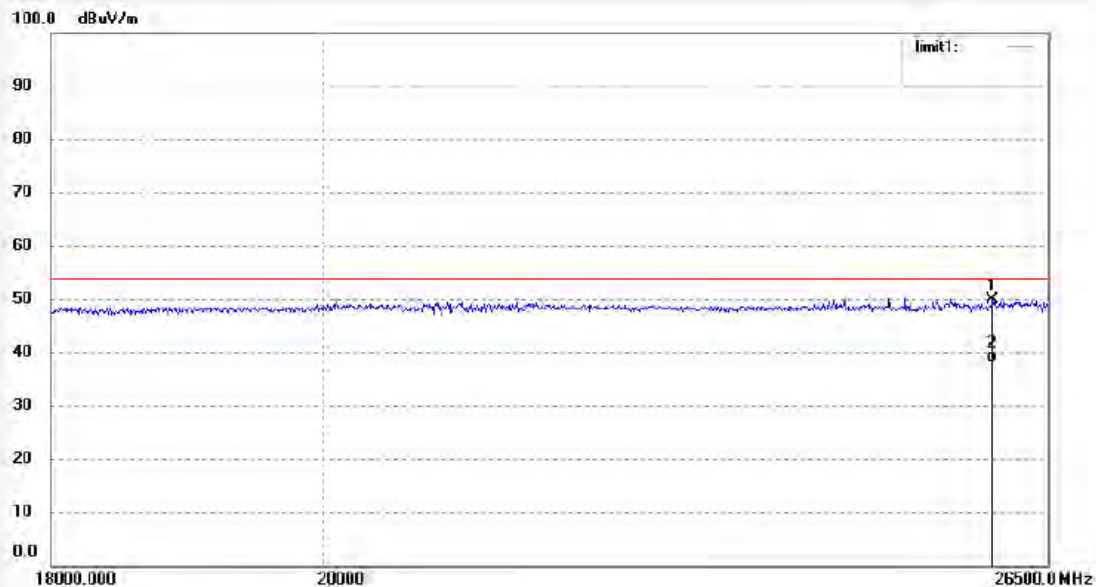
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25942.232	33.47	16.50	49.97	74.00	-24.03	peak			
2	25942.232	21.75	16.50	38.25	54.00	-15.75	AVG			


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Job No.: lan2015 #1107

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(°C)/Hum.(%) 23 °C / 48 %

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

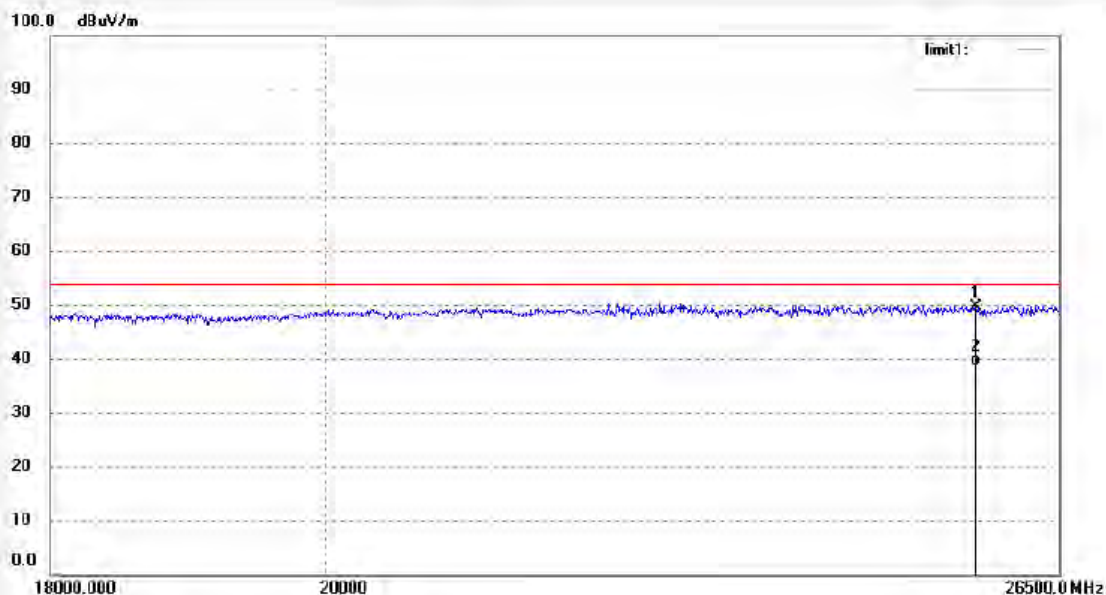
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25672.730	33.24	16.50	49.74	74.00	-24.26	peak			
2	25672.730	22.17	16.50	38.67	54.00	-15.33	AVG			




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Fax: +86-0755-26503396

Job No.: Ian2015 #1108

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

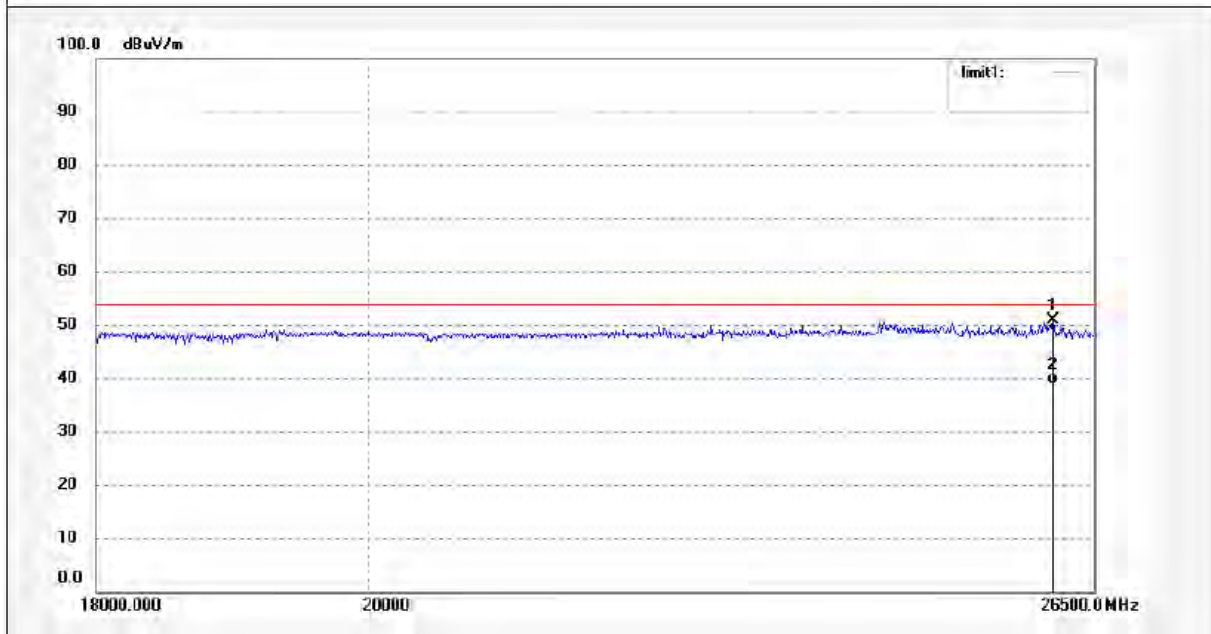
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26083.088	34.38	16.50	50.88	74.00	-23.12	peak			
2	26083.088	22.32	16.50	38.82	54.00	-15.18	AVG			


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Job No.: Jan2015 #1109

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( °C)/Hum.(%) 23 °C / 48 %

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

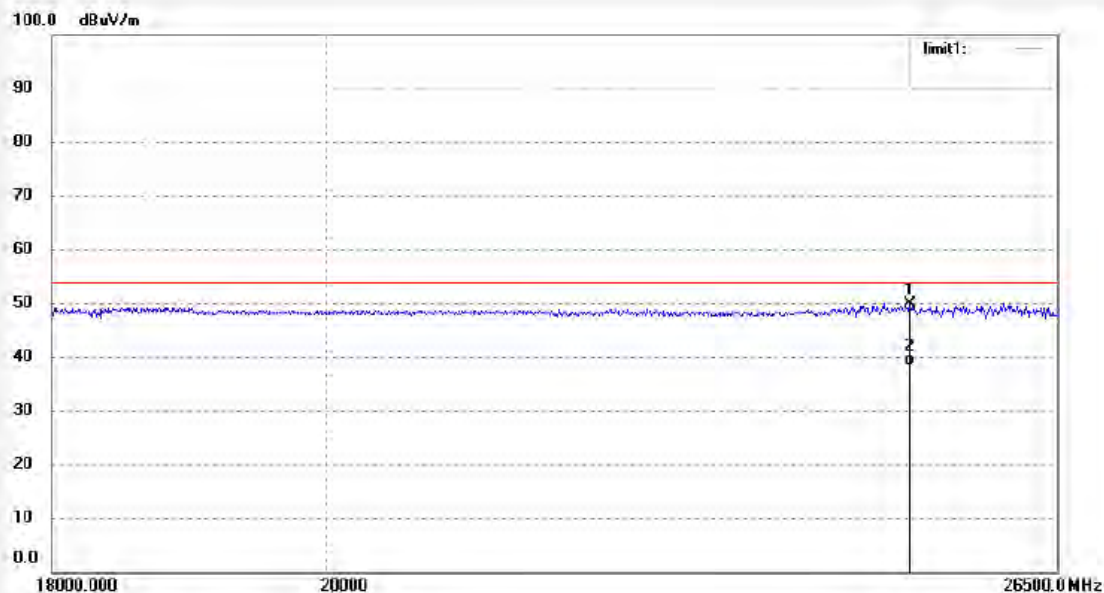
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25045.042	33.45	16.50	49.95	74.00	-24.05	peak			
2	25045.042	21.98	16.50	38.48	54.00	-15.52	AVG			


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Job No.: Jan2015 #1110

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

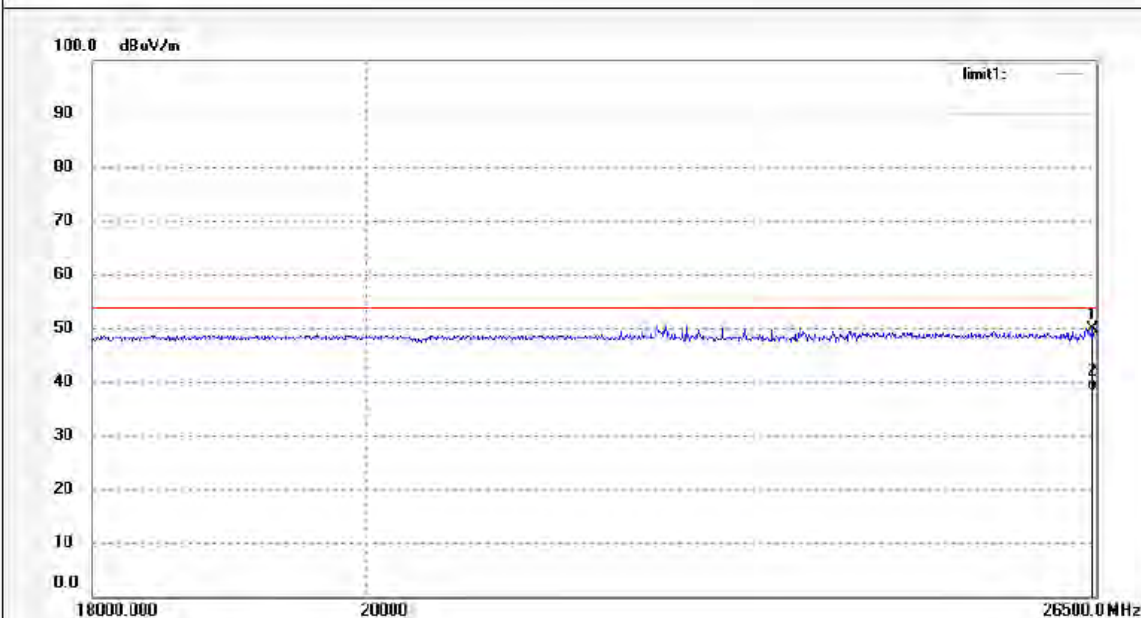
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26489.269	33.29	16.50	49.79	74.00	-24.21	peak			
2	26489.269	21.85	16.50	38.35	54.00	-15.65	AVG			


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Job No.: Jan2015 #1071

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

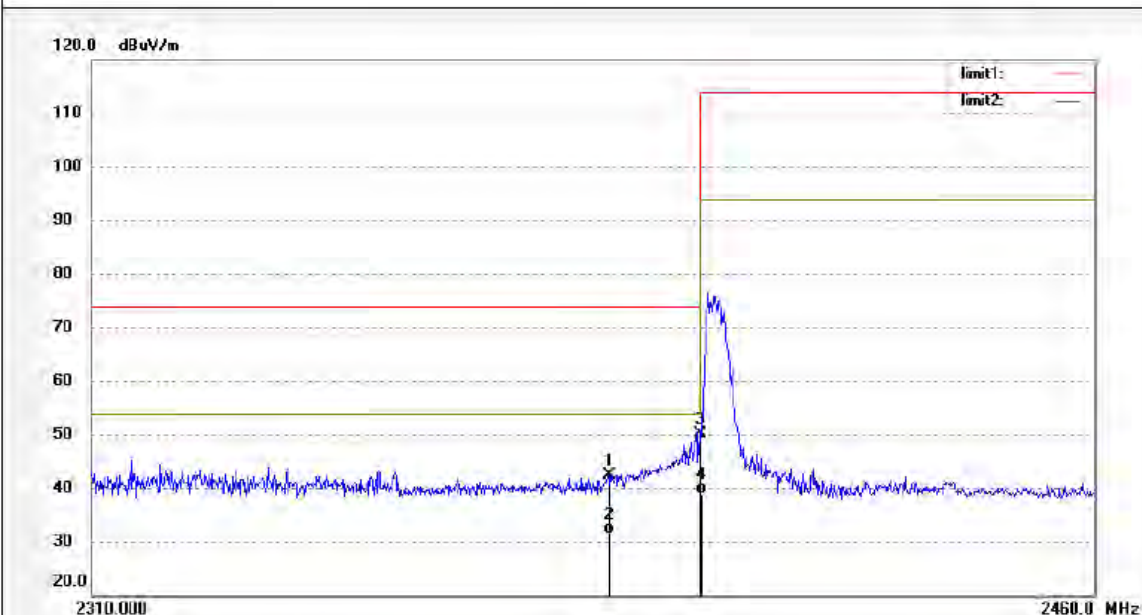
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2386.350	49.97	-7.55	42.42	74.00	-31.58	peak			
2	2386.350	38.85	-7.55	31.30	54.00	-22.70	AVG			
3	2400.000	57.89	-7.48	50.23	74.00	-23.77	peak			
4	2400.000	46.38	-7.48	38.92	54.00	-15.08	AVG			




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Job No.: lan2015 #1072

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

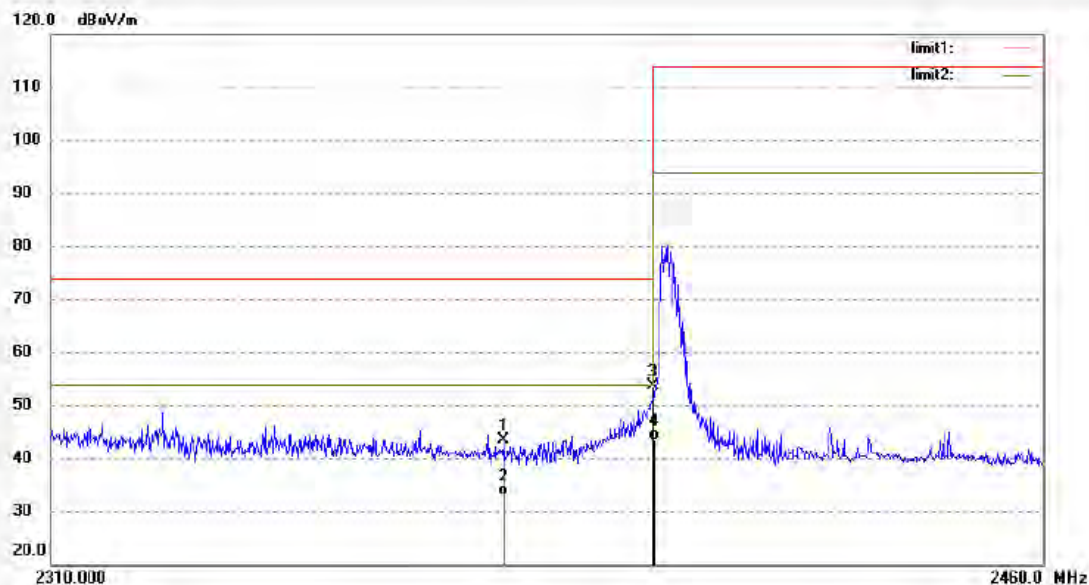
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2377.500	50.99	-7.61	43.38	74.00	-30.62	peak			
2	2377.500	40.61	-7.61	33.00	54.00	-21.00	AVG			
3	2400.000	80.97	-7.46	53.51	74.00	-20.49	peak			
4	2400.000	50.74	-7.46	43.28	54.00	-10.72	AVG			


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Job No.: lan2015 #1077

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical

Power Source: DC 5V

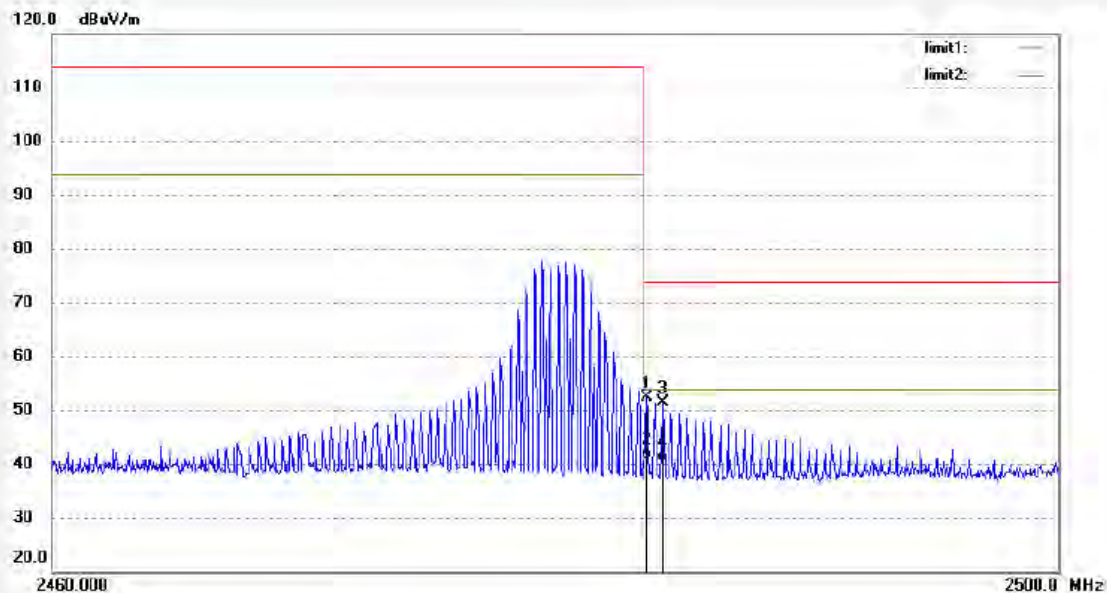
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.600	59.74	-7.37	52.37	74.00	-21.63	peak			
2	2483.600	48.37	-7.37	41.00	54.00	-13.00	AVG			
3	2484.240	58.78	-7.38	51.40	74.00	-22.60	peak			
4	2484.240	47.83	-7.38	40.45	54.00	-13.55	AVG			




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Job No.: lan2015 #1078

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Horizontal

Power Source: DC 5V

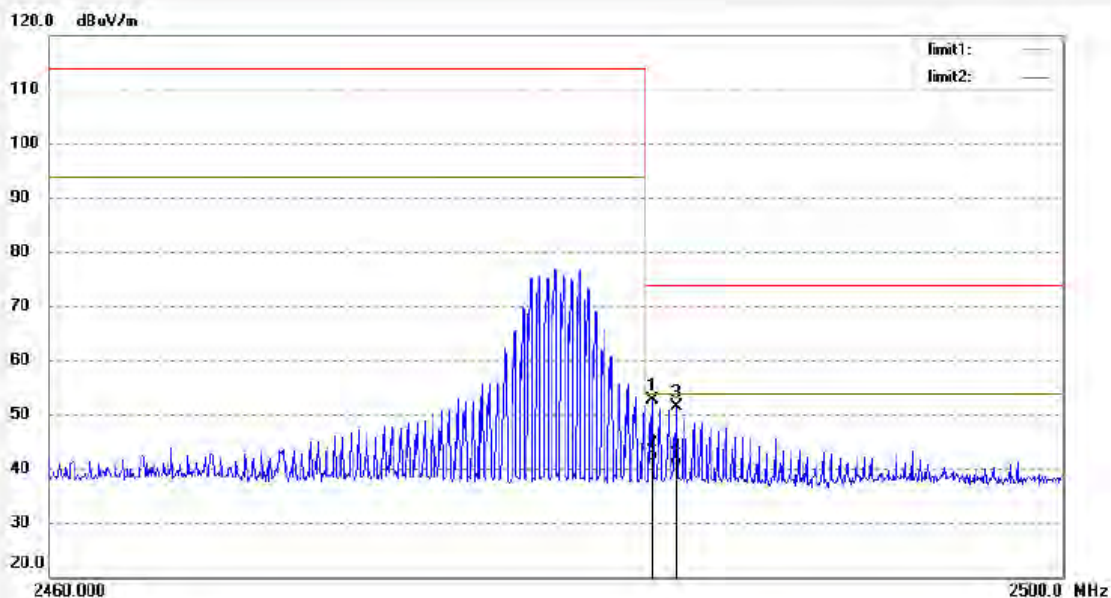
Date: 15/05/07/

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.760	59.85	-7.38	52.57	74.00	-21.43	peak			
2	2483.760	48.87	-7.38	41.29	54.00	-12.71	AVG			
3	2484.720	58.74	-7.38	51.36	74.00	-22.64	peak			
4	2484.720	47.68	-7.38	40.30	54.00	-13.70	AVG			

## 5.1.4 Conducted emissions

**RESULT:****Pass**

Date of testing	:	2015-05-06
Test standard	:	FCC Part 15.107 FCC Part 15.207
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207
Kind of test site	:	Shield room

**Test setup**

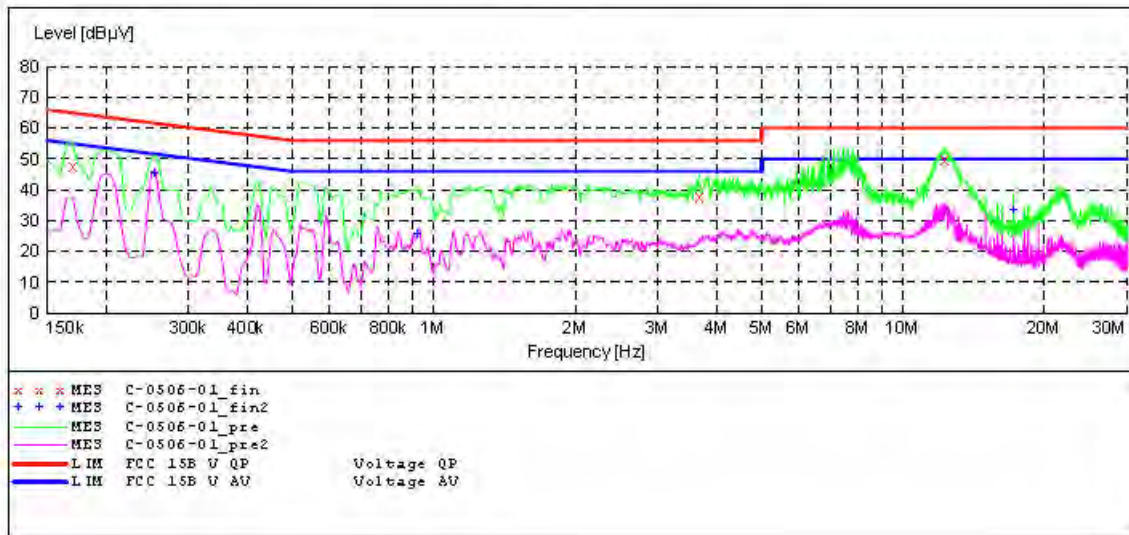
Input voltage	:	DC 3V for remote via AAA batteries DC 5V for dongle via USB port
Operation mode	:	A.2
Earthing	:	Not connected
Ambient temperature	:	23°C
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to test plots.

**Test Plots of Conducted Emission**
**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB STD VTERM2 1.70

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


**MEASUREMENT RESULT: "C-0506-01\_fin"**

5/6/2015

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170000	47.70	10.5	65	17.3	QP	N	GND
3.680000	37.80	11.1	56	18.2	QP	N	GND
12.225000	49.60	11.3	60	10.4	QP	N	GND

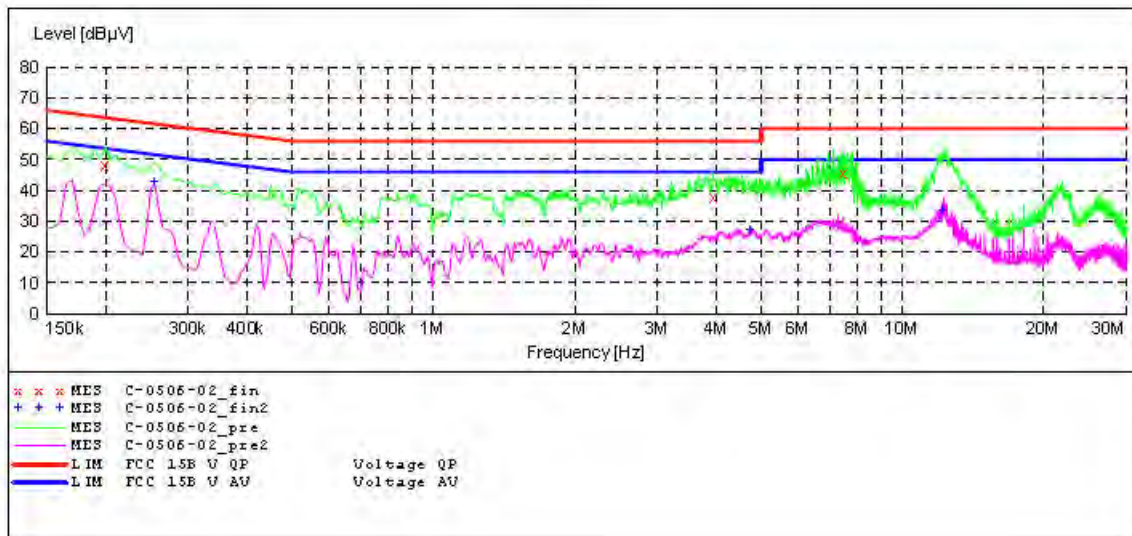
**MEASUREMENT RESULT: "C-0506-01\_fin2"**

5/6/2015

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.255000	45.60	10.6	52	6.0	AV	N	GND
0.925000	25.90	10.8	46	20.1	AV	N	GND
17.175000	33.90	11.4	50	16.1	AV	N	GND

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

Short Description: \_SUB\_STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average


**MEASUREMENT RESULT: "C-0506-02\_fin"**

5/6/2015

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.200000	48.20	10.5	64	15.4	QP	L1	GND
3.940000	37.60	11.1	56	18.4	QP	L1	GND
7.450000	45.60	11.2	60	14.4	QP	L1	GND

**MEASUREMENT RESULT: "C-0506-02\_fin2"**

5/6/2015

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.255000	42.80	10.6	52	8.8	AV	L1	GND
4.770000	27.60	11.1	46	18.4	AV	L1	GND
12.225000	33.80	11.3	50	16.2	AV	L1	GND

## 6. Safety Human Exposure

### 6.1 Radio Frequency Exposure Compliance

#### 6.1.1 Electromagnetic Fields

**RESULT:****Pass**

Test standard : FCC KDB Publication 447498 D01 v05r02

The separation distance of the remote should be 5mm. The measured maximum peak output power of the remote is 0.23mW, which is far below the SAR exclusion threshold level 10 mW (Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and  $\leq 50$  mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure. Guidance v05r02.

The separation distance of the USB dongle should be 5mm. The measured maximum peak output power of the dongle is 0.05mW, which is far below the SAR exclusion threshold level 10mW (Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and  $\leq 50$  mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure. Guidance v05r02.



## 7. Photographs of the Test Set-Up

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



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

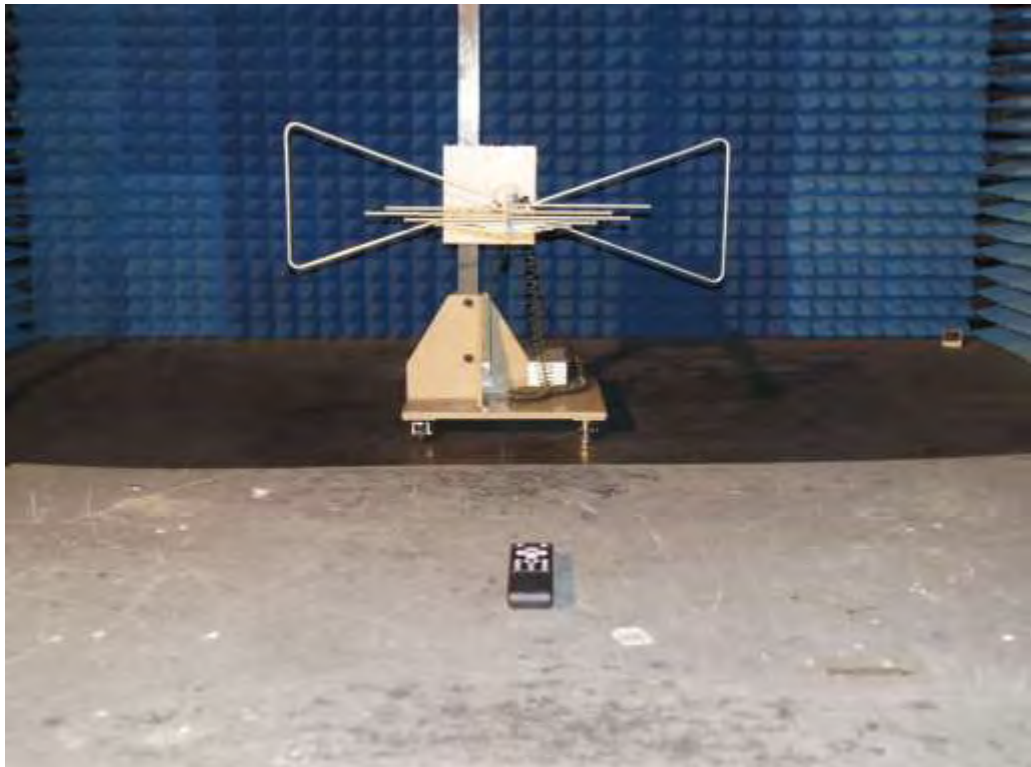




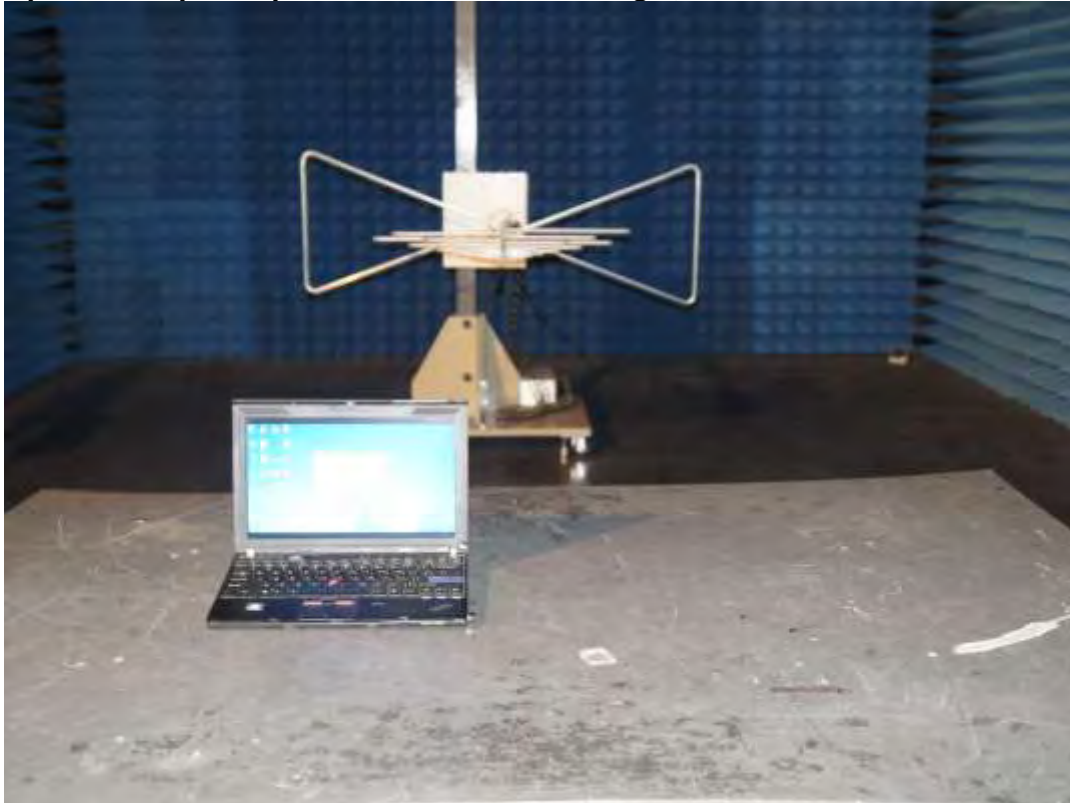
**Photograph 3: Set-up for Spurious Emissions of dongle, below 30MHz**



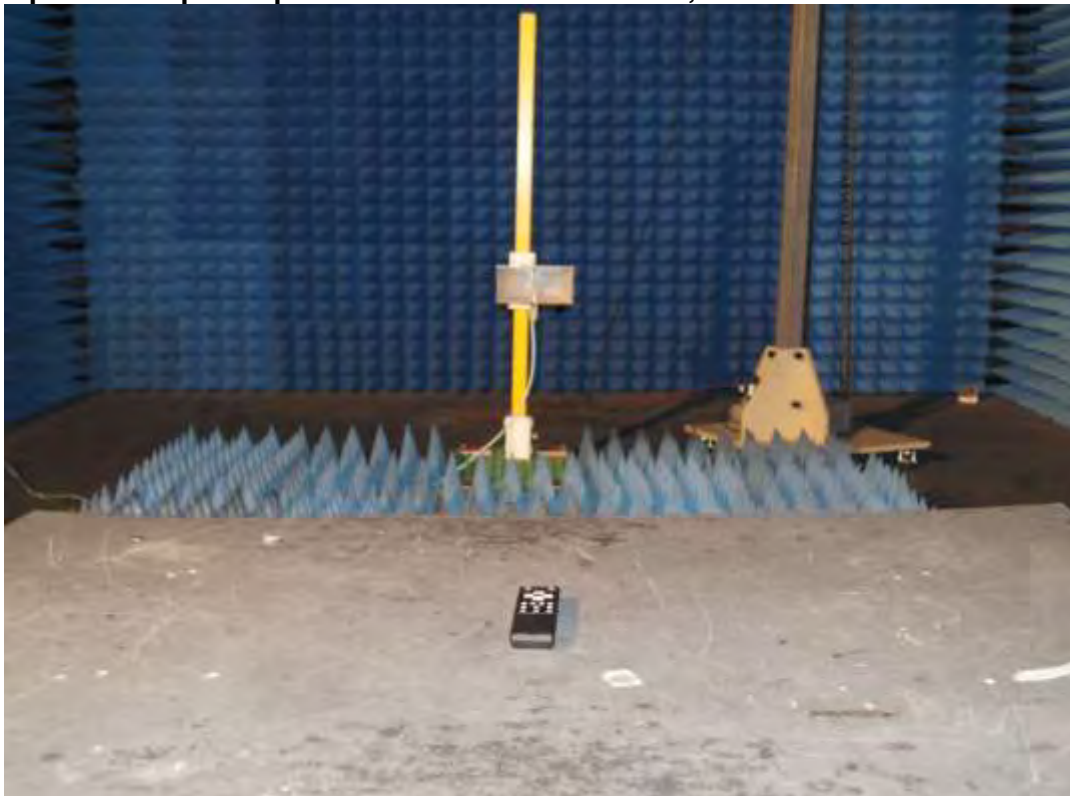
**Photograph 4: Set-up for Spurious Emissions of Remote, 30MHz - 1GHz**



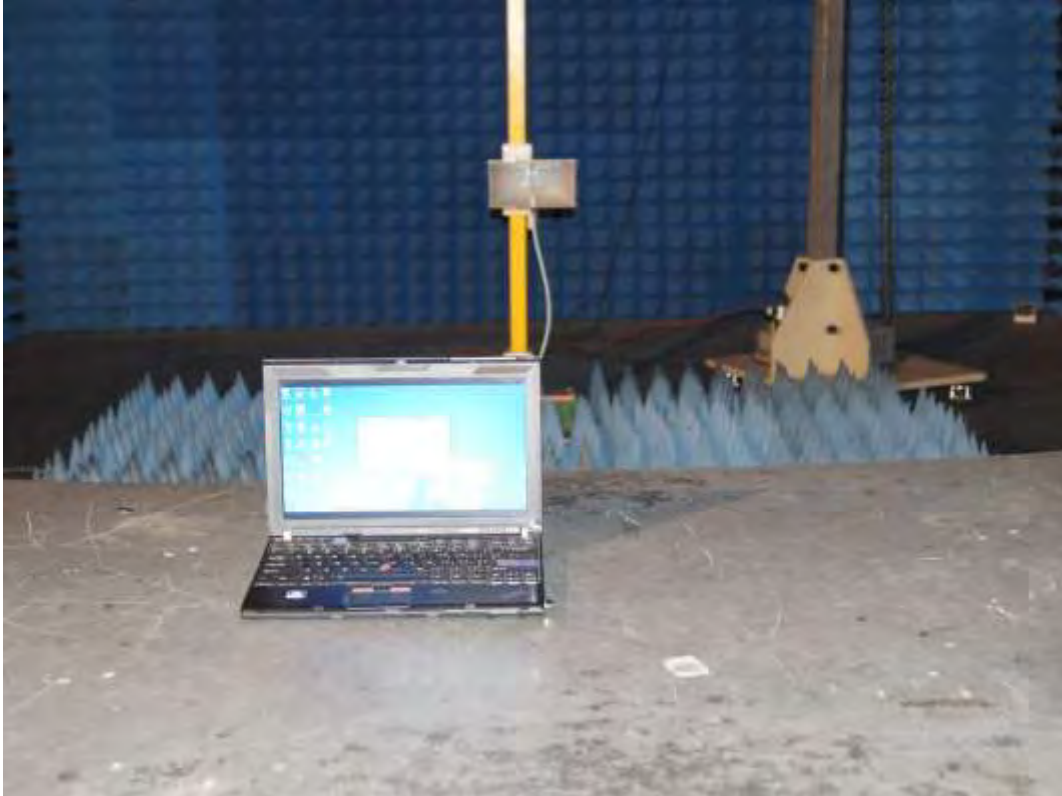
**Photograph 5: Set-up for Spurious Emissions of dongle, 30MHz - 1GHz**



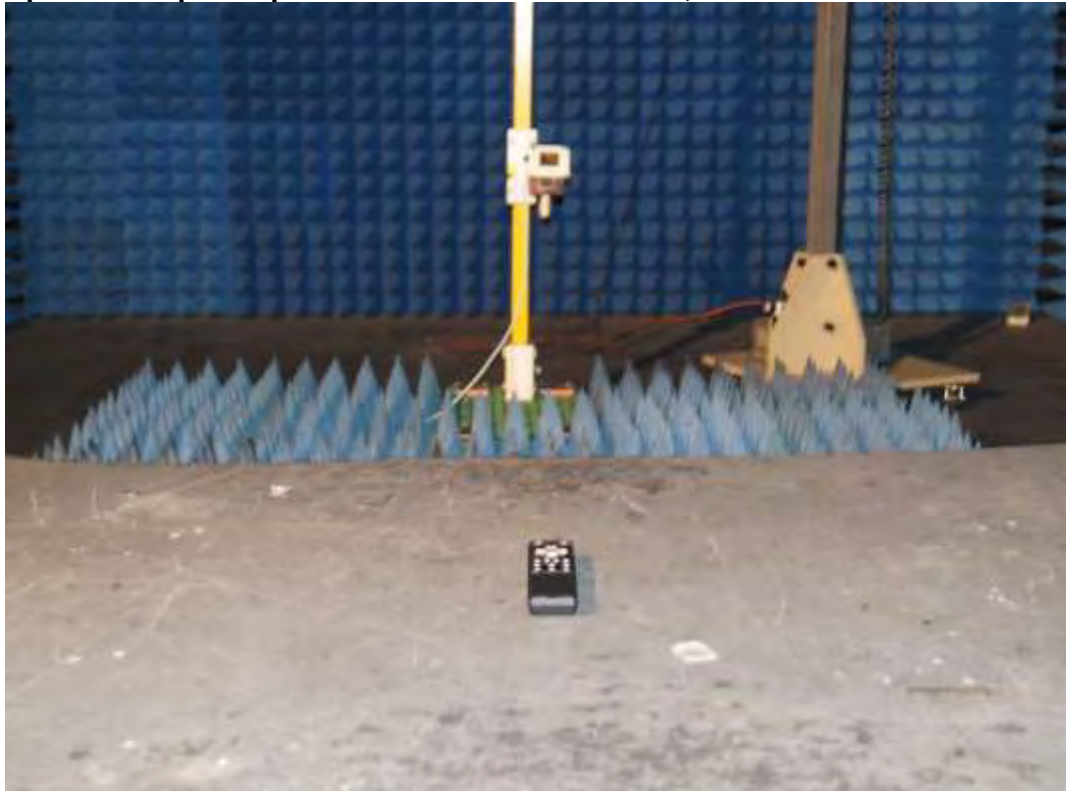
**Photograph 6: Set-up for Spurious Emissions of Remote, 1GHz – 18GHz**



**Photograph 7: Set-up for Spurious Emissions of dongle, 1GHz – 18GHz**

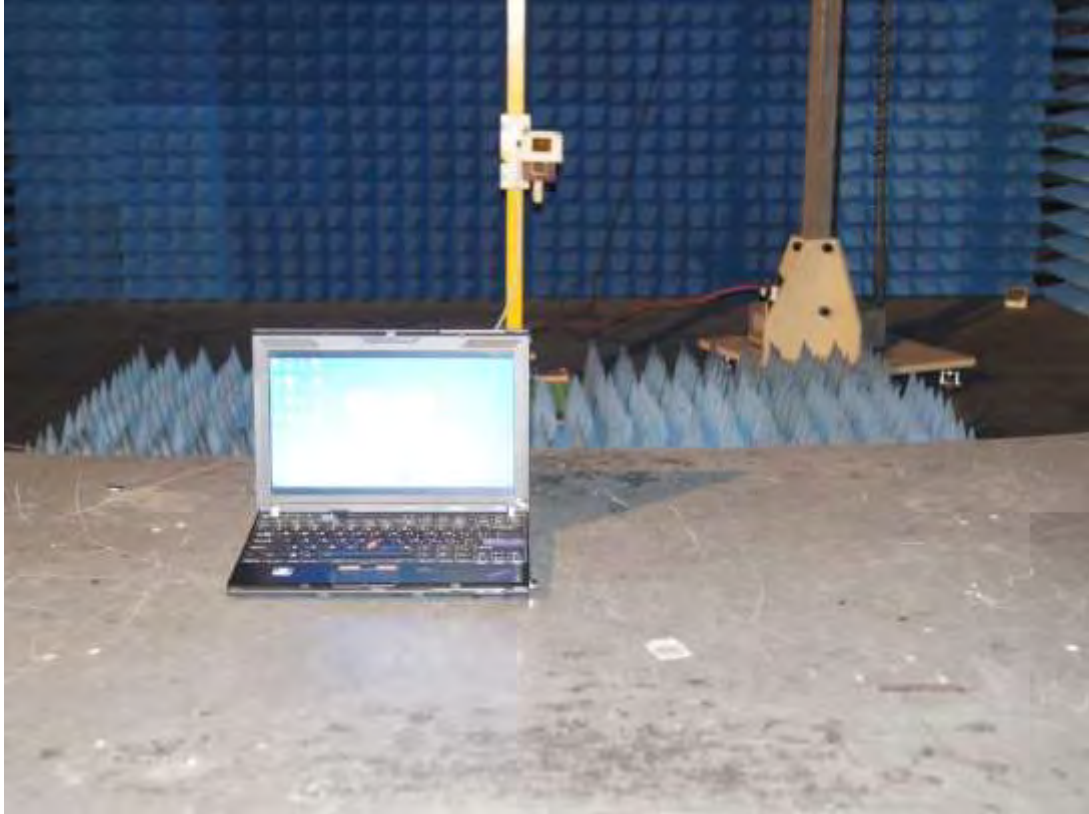


**Photograph 8: Set-up for Spurious Emissions of Remote, 18GHz – 25GHz**





**Photograph 9: Set-up for Spurious Emissions of dongle, 18GHz – 25GHz**



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