

Prüfbericht-Nr.: 17048939 001 Auftrags-Nr.: 164034449 Seite 1 von 97 Test Report No.: Order No.: Page 1 of 97 Kunden-Referenz-Nr.: N/A Auftragsdatum: 20.04.2015 Client Reference No.: Order date: Auftraggeber: The Zen Factory Group (ASIA) Client: House 23, Hibiscus Path, Westwood, Palm Springs, Yuen Long, NT, Hong Kong Prüfgegenstand: Xbox One Media Remote and keyboard Test item: Bezeichnung / Typ-Nr.: NS-GXBOMRK101 Identification | Type No.:

Auftrags-Inhalt: **FCC Certification** Order content:

CFR47 FCC Part 15: Subpart C Section 15.249 Prüfgrundlage: CFR47 FCC Part 15: Subpart C Section 15.207 Test specification: CFR47 FCC Part 15: Subpart C Section 15.209 FCC KDB publication 447498 D01 v05r02

CFR FCC Part 15: Subpart B Section 15.107

Wareneingangsdatum; 20.04.2015 Date of receipt:

Prüfmuster-Nr.: A000187998 001~003 Test sample No.:

Prüfzeltraum: 20.05.2015 - 08.05.2015 Testing period:

Ort der Prüfung: Accurate Technology Co., Ltd. Place of testing:

Prüflaboratorium: TÜV Rheinland (Shenzhen) Testing laboratory: Co., Ltd.

Prüfergebnis*: **Pass** Test result*:

geprüft von / tested by: kontrolliert von I reviewed by:

Signature

04.06.2015 Tom Wang / Project Manager 04.06.2015 Winnie Hou / Technical Certifier Name / Stellung Name / Stellung Datum Unterschrift Datum Unterschrift Date Name / Position

Date

Name / Position

Signature

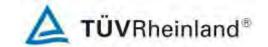
Sonstiges / Other: FCC ID: WP85P04006ZEN

-Remote FCC ID: WP85P04006 -Donale

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt Condition of the test item at delivery: Test item complete and undamaged

* Legende: 1 = sehr gut 3 = befriedigend 2 = gut 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(all) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet 1 = very good 3 = satisfactory Legend: 2 = good4 = sufficient 5 = poorP(ass) = passed a.m. test specification(s) F(all) = felled a.m. test specification(s) N/A = not applicable N/T = not tested

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervleifältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.



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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

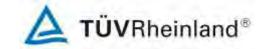
RESULT: Pass

5.1.4 CONDUCTED EMISSIONS

RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Pass



Products

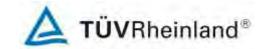
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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

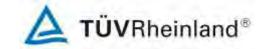
2.1 Test Facilities

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.



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2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

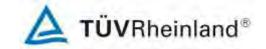
Kind of Equipment	Manufacturer	Туре	S/N	Calibrated until
Spurious emission a	nd Radiated emission			
Spectrum Analyzer	Rohde&Schwarz	FSV40	101495	2016-01-10
Test Receiver	Rohde & Schwarz	ESCS30	100307	2016-01-10
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2016-01-10
Loop Antenna	Schwarzbeck	FMZB1516	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-	3791	2016-01-10
·		01		
Radio Test Suite				
Receiver	Rohde & Schwarz	FSV40	101495	2016-01-10
Conducted Emission	1			
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 basics using in house standards or comparisons.



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2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

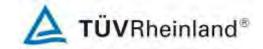
Parameter	Uncertainty
Radiated emission (below 30MHz)	< ± 3.08 dB
Radiated emission (30MHz-1GHz)	< ± 4.42 dB
Radiated emission (above 1GHz)	< ± 4.06 dB
Conducted Emission	< ± 2.23 dB

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.



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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.

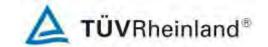
3.2 Ratings and System Details

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)	2402/2407/2414/2419/2422/2426/2436/2439/2441/244 5/2453/2459/2463/2466/2473/2480

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)	2402/2407/2414/2419/2422/2426/2436/2439/2441/244 5/2453/2459/2463/2466/2473/2480



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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

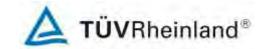
Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Operational Description

- Circuit Diagram
- Instruction Manual
- Rating Label

?ev.:1



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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.

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4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

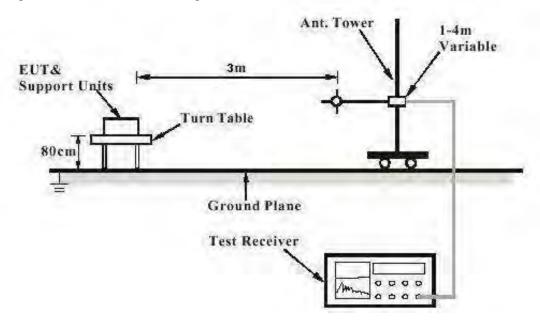
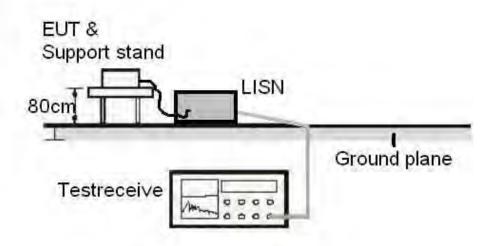
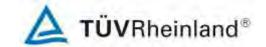


Diagram of Measurement Equipment Configuration for Conduction Measurement



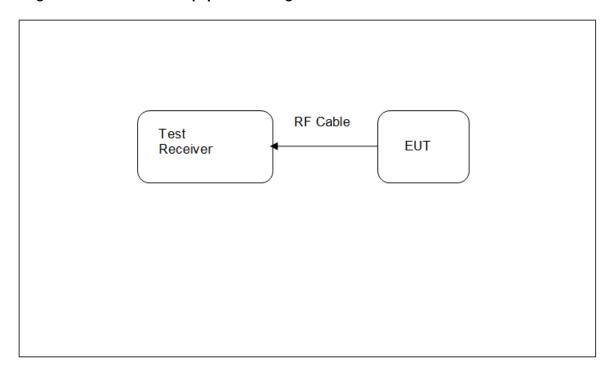


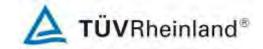
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Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement





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5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: Pass

Test standard : FCC Part 15.203

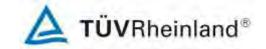
Clause 7.1.4 of RSS-Gen

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.



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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

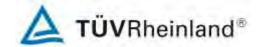
Test channel : Low/ Middle/ High

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.



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Test plot of Fundamental & Harmonics Radiated Emission--Remote



ACCURATE TECHNOLOGY CO., LTD.

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

Polarization:

Date: 15/05/06/

Distance: 3m

Engineer Signature:

Time:

Power Source: DC 3V

Vertical

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

18000.0 MHz

Job No.: lan2015 #1058

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz
Model: NS-GXBOMRK101

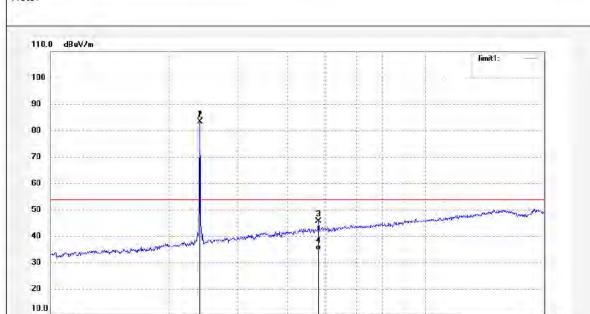
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

2000

3000

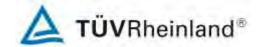
Note:

1000.000



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	1	1	peak			
2	2402.000	87.87	-7.45	80.42	1	J	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		p =1	

5000 6000 7000 8000 9000



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ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: lan2015 #1059

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

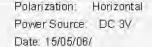
Temp.(C)/Hum.(%) 23 C/48%

EUT:

Mode: TX 2402MHz Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

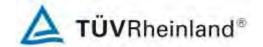
Note:



Time:

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	Freq.	Reading	Factor	Result	Limit	Margin	Detector	Height	Degree	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	(cm)	(deg.)	Tremelt.
	2402.000	94.88	-7.45	87.43	1	1	peak			

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	1	1	peak		-	
2	2402,000	92,35	-7.45	84.90	1	1	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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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 #1063

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz Model: NS-GXBOMRK101

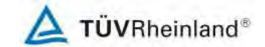
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:

Polarization: Vertical Power Source: DC 3V Date: 15/05/08/

Time:

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T	Freq.	Reading	Factor	Result	Limit	Margin	Botosto.	Height	Degree	Bassauts
j.	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	(cm)	(deg.)	Remark
	2441.000	90,36	-7,35	83.01	1	1	peak		-	
-	2441.000	87 79	-7.35	80.44	- 1		AVG			



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ACCURATE TECHNOLOGY CO., LTD.

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

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

Polarization: Horizontal

Power Source: DC 3V

Date: 15/05/06/

Time:

Job No.: lan2015 #1064

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

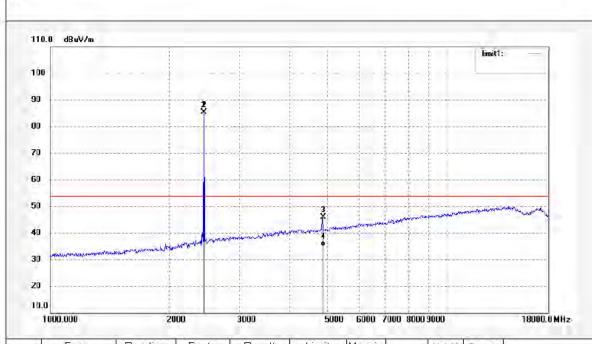
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

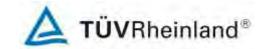
Note:

Mode: TX 2441MHz Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)



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	1	1-	peak				
2	2441.000	90.27	-7.35	82.92	1	1	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	1-1			



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F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503398

Job No.: lan2015 #1065

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

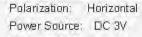
EUT:

Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



Date: 15/05/06/

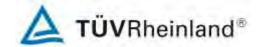
Time:

Engineer Signature:

Distance: 3m

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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	1	1	peak		1 1		
2	2480.000	93.75	-7.37	86.38	1	1	AVG	-1	1		- 1
3	4960.033	45.64	0.52	46.16	74,00	-27.84	peak	- 1			
4	4960.033	34.32	0.52	34.84	54.00	-19.16	AVG				



Products

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ATC.

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

Polarization: Vertical

Power Source: DC 3V

Date: 15/05/06/

Distance: 3m

Engineer Signature:

Time:

Job No :: lan2015 #1068

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

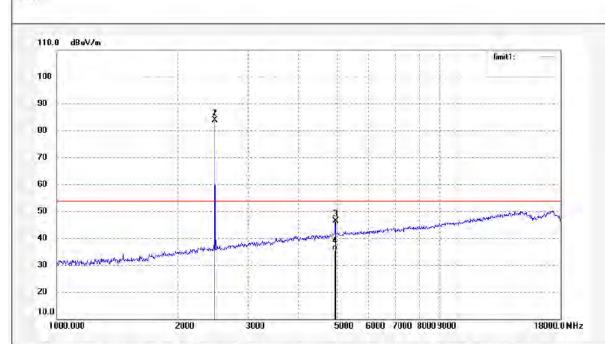
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

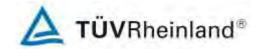
Mode: TX 2480MHz
Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

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	- 1	1	peak			
2	2480.000	88.79	-7.37	81.42	1	1	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			



Products

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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:+86-0755-26503396

Polarization: Vertical

Power Source: DC 5V Date: 15/05/07/

Engineer Signature:

Distance: 3m

Time:

Job No.: lan2015 #1069

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

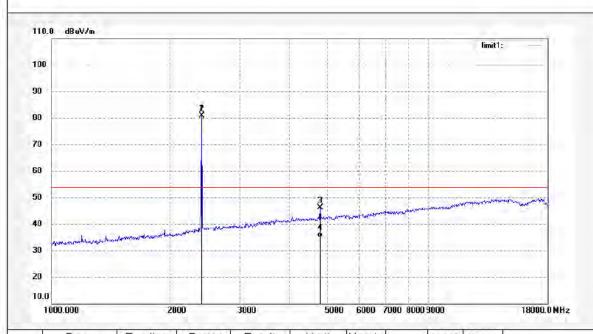
EUT:

Mode: TX 2402MHz

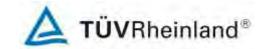
Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

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	1	1	peak			
2	2402.000	86.45	-7.45	79.00	1	1	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			



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-28503396

Job No.: lan2015 #1070

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

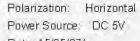
EUT:

Mode: TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:

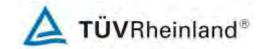


Date: 15/05/07/

Time:

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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	1	1	peak	1 1			
2	2402.000	86.46	-7.45	79.01	T	1	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				



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: lan2015 #1073

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

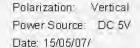
Temp.(C)/Hum.(%) 23 C/48%

EUT:

Mode: TX 2441MHz Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

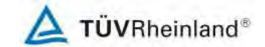
Note:



Time: Engineer Signature:

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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	1	1	peak			
2	2441.000	86.57	-7.35	79.22	1	1	AVG	ji Ti	1	
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	1		



Products

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Test Report No.



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 #1074

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz Model: NS-GXBOMRK101

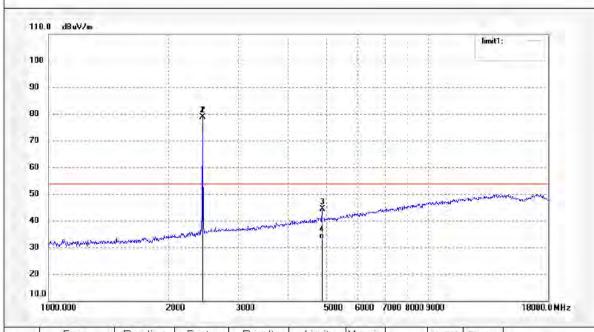
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

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)	(dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	86.35	-7.35	79.00	1	1	peak	9	-	
2	2441.000	84.60	-7.35	77.25	= T	1	AVG			
3	4882.015	44.20	0.14	44.34	74.00	-29.66	peak		1	
4	4882.015	33.04	0.14	33.18	54.00	-20.82	AVG			



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: lan2015 #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)

Note:

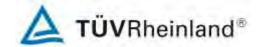
Polarization: Horizontal Power Source: DC 5V

Date: 15/05/07/

Time:

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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	F	1	peak			
2	2480.000	83.44	-7.37	76.07	F	1	AVG			
3	4960.017	44.41	0.52	44.93	74.00	-29.07	peak			
4	4960.017	34.17	0.52	34.69	54.00	-19.31	AVG			



Products

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ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: lan2015 #1076

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

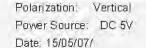
Temp.(C)/Hum.(%) 23 C/48%

EUT:

Mode: TX 2480MHz
Model: NS-GXBOMRK101

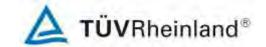
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



Time:

	dBuV/m									
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1000	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1000	Freq.	Reading	Factor	Result		Margin (dB)	Detector peak	Height (cm)		Remark
1 000	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		(dB)	Detector	Height (cm)		Remark
1000	Freq. (MHz) 2480.000	Reading (dBuV/m) 88.11	Factor (dB) -7.37	Result (dBuV/m) 80.74		(dB) /	peak	Height (cm)		Remark



Products

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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

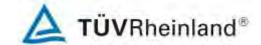
Input voltage : DC 3V for remote via AAA batteries

DC 5V for dongle via USB port

Operation mode : A
Ambient temperature : 23°C
Relative humidity : 48%
Atmospheric pressure : 101kPa

Rev.:1

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



Products

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Test Report No.

Test Plots of Radiated spurious emissions outside band-Romote

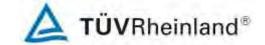
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: M/N:NS-GXBCMRK101
Menufacturer: THE ZEN FACTORY GROUP (ASIA)
Operating Condition: TX 2402MHz
Test Site: 145hielding Room
Operator: LAN
Test Specification: DC 3V
Comment: X
Start of Test: 2015-5-8 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step Detoctor Meas, IF Transducer Frequency Frequency Width Time Bandw.
9.0 kHz 150.0 kHz 100.0 Hz QuagiPeak 1.0 s 200 Hz 1516M

Level [dBu/Vm] 150 ; 100 80 60 20 20 H 30k, 40k; 60k; 1006 2008 300k 100k 700k 1M 3M: 4M 6M 104 300 Frequency [Hz] HER A-CHE-ST PAR - 110 LERS-1



Products

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Test Report No.

ACCURATE TECHNOLOGY CO., LTD

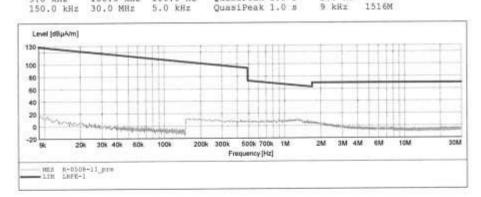
FCC Class B 3m Radiated

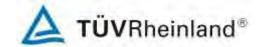
M/N:NS-GXBOMRK101

Manufacturer: THE ZEN PACTORY GROUP (ASIA)
Operating Condition: TX 2402MHz
Test Site: 1#Shielding Room
Operator: LAN

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.
Frequency Frequency Width Time
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s Transducer Bandw. 200 Hz





Products

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ACCURATE TECHNOLOGY CO., LTD

MANUSACTURE:

M/N:NS-GXBOMRK101

THE ZEN PACTORY GROUP (ASIA)

Operating Condition: TK 2402MH2

Test Site;

Test Site;

Test Specification:

Test Specification:

DC 3V

Comment:

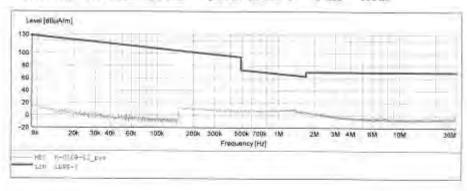
Start of Test:

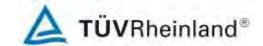
2015-5-8

TP Transducer

Bandw.

SCAN TABLE: "LPRE Fin"
Short Description: SUB_STD_VTERM2 1.70
Start Stop Step Detector Meas.
Frequency Frequency Width Time
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 200 Hr 9 kHz 1516M 1516M





Products

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Test Report No.

ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

M/N:NS-GXBOMRK101 Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Operating Condition: TX 2441MHz
Test Site: 1#Shielding Room

LAN Operator:

Test Specification: DC 3V

Comment: Start of Test:

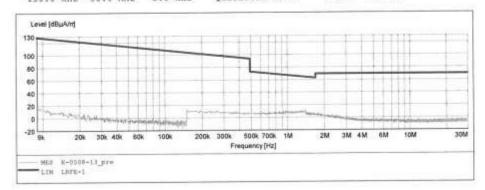
2015-5-8 /

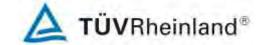
SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step

_SUB_STD_VTERM2 1.70

Transducer

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





Products

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ACCURATE TECHNOLOGY CO., LTD

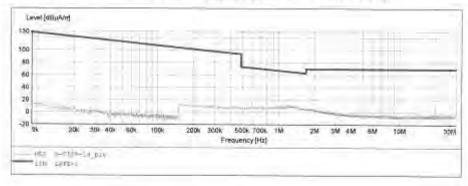
FCC Class B 3m Radiated

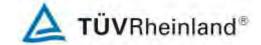
EUT; M/N:NS-GREOMRK101
Kanufacturer: THE ZEN FACTORY GROUP (ASIA)
Operating Condition: TX 2441MR2
Test Site: 145hielding Room
Decrator: IAN

Test Site: Pashedding Apon Dperator: LAN Test Specification: DC 3V Comment: Y Start of Test: 2015-5-E /

SCAN TABLE: "LFRE Fin"
Short Description;
Start Stop Step _SUB_STD_VTERMI 1.70 Detector Meas, Time TP Transducer Bandw.

Frequency Frequency Width Time 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 200 Hz 9 kHz 1516M 1516M





Products

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ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

M/N:NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

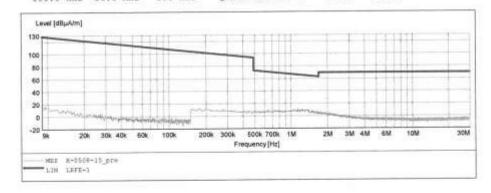
Operating Condition: TX 2441MHz Test Site: 1#Shielding Room

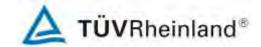
Operator: Test Specification: DC 3V

Comment: Start of Test: 2015-5-8 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Step _SUB_STD_VTERM2 1.70 Detector Meas. Transducer

Bandw. Frequency Frequency Width Time 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 200 Hz 1516M 9 kHz 1516M





Products

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Test Report No.

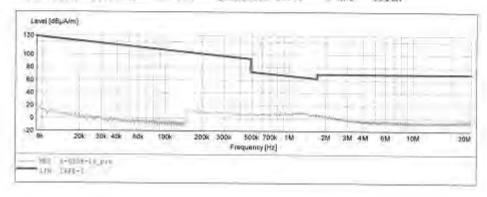
ACCURATE TECHNOLOGY CO., LTD

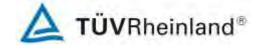
FCC Class B 3m Radiated

BUT: M/N:NS-GXBOMRE101
Manufactures: THE ZEN PACTORY GROUP (ASIA)
Operating Condition: TX 2480MMZ
Test Siter 145bielding Room
Operator: LAN
Test Specification: DC 3V

Comment: X Start of Test: 2015-5-8 /

SCAN TABLE: "LPRE Fin"
Short Description:
Start Stop Step Detector Meas. IF Transducer
Frequency Fraquency Width
9.0 kHz 150.0 kHz 100.0 Hz QuasiFeak 1.0 s 200 Hz 1516M





Products

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Test Report No.

ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

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

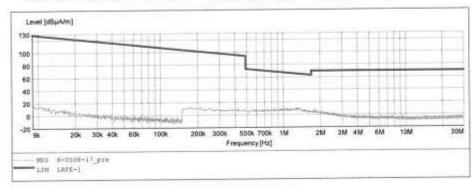
Comment: Start of Test:

2015-5-8 /

SCAN TABLE: "LFRE Fin"
Short Description:
Start Stop Ste

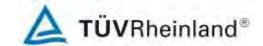
Bandw.

CAN TABLE: "LFRE Fin"
Short Description: SUB_STD_VTERM2 1.70
Start Stop Step Detector Meas.
Frequency Frequency Width Time
9.0 kHz 150.0 kHz 100.0 Hz QuasiFeak 1.0 s
150.0 kHz 30.0 MHz 5.0 kHz QuasiFeak 1.0 s 200 Hz 1516M 9 kHz 1516M



TF

Transducer



Products

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ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

M/N:NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Operating Condition: TX 2490MHz
Test Site: I#Shielding Room

LAN Test Specification: DC 3V

Conment: Start of Test:

2 2015-5-8 /

SCAN TABLE: "LPRE Fin"
Short Description:
Start Stop Step Transducer

Bandw.

CAN TABLE: "LFRE Fin"

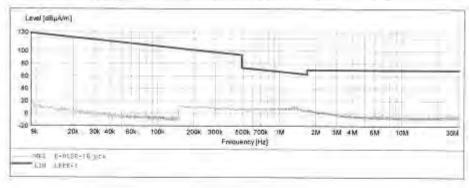
Short Description: SUB STD VTERM2 1.70

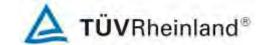
Start Stop Step Detector Meas.

Frequency Frequency Width Time

9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s

150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 300 Hz 9 kHz 1516M 1516M





Products

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ACCURATE TECHNOLOGY CO., LTD.

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

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

Polarization: Horizontal

Power Source: DC 3V

Date 15/05/07/ Time:

Distance: 3m

Engineer Signature

Job No.: lan2015 #1129

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

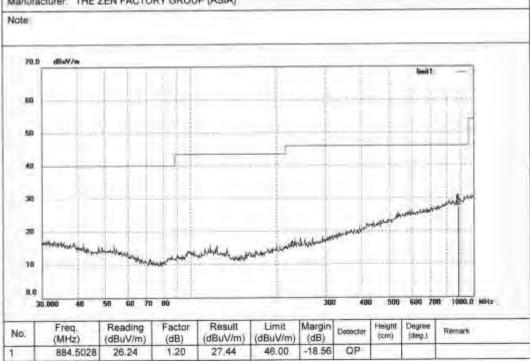
Temp.(C)/Hum.(%) 23 C/48 %

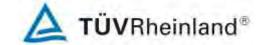
EUT:

Mode: TX 2402MHz

NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)





Products

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ACCURATE TECHNOLOGY CO., LTD.

F1.Bldg.A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel +86-0755-26503290 Fax:+86-0755-26503396

Polanzation: Vertical

Power Source: DC 3V

Date: 15/05/07/

Distance: 3m

Engineer Signature:

Time:

Job No. lan2015 #1130

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

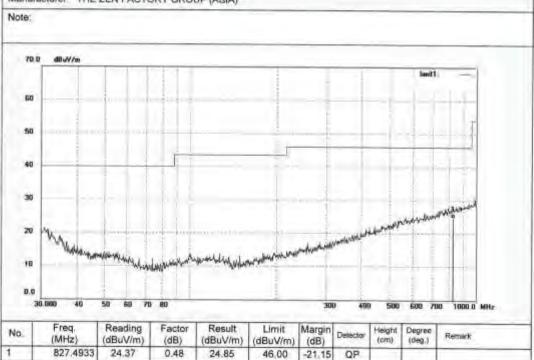
EUT: Mode:

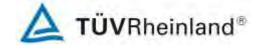
TX 2402MHz

Model NS-GXBOMRK101

Manufacturer. THE ZEN FACTORY GROUP (ASIA)

2MHz





Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Polarization Vertical

Power Source: DC 3V

Date: 15/05/07/

Distance: 3m

Engineer Signature:

Time:

Job No.: lan2015 #1131

Standard: FCC Class B 3M Radiated

Test item. Radiation Test

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

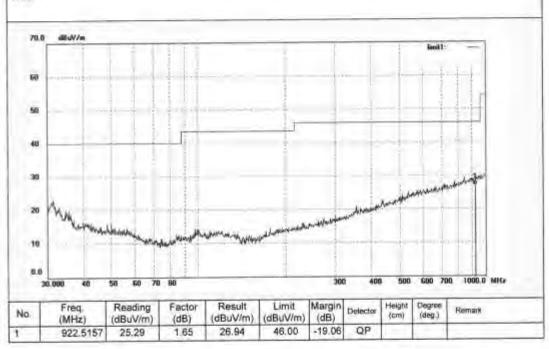
EUT:

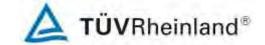
Mode TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Vote:





Products

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ACCURATE TECHNOLOGY CO., LTD.

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

Polarization:

Date: 15/05/07/

Distance: 3m

Engineer Signature:

Time:

Power Source: DC 3V

Horizontal

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

Job No. lan2015 #1132

Standard FCC Class B 3M Radiated

Test item: Radiation Test

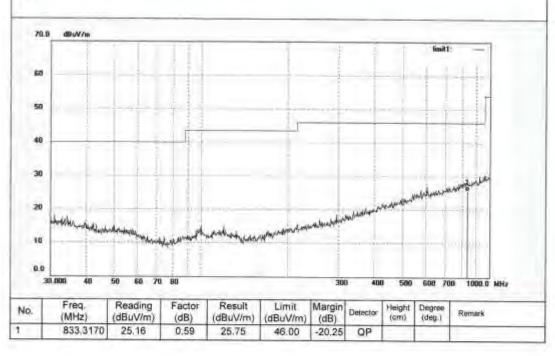
Temp.(C)/Hum.(%) 23 C/48%

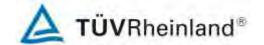
EUT

Mode TX 2441MHz NS-GXBOMRK101

Model: Manufacturer THE ZEN FACTORY GROUP (ASIA)







Products

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ATC ®

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

Polarization. Horizontal

Power Source: DC 3V

Date 15/05/07/

Distance 3m

Engineer Signature:

Time

Job No.: lan2015 #1133

Standard FCC Class B 3M Radiated

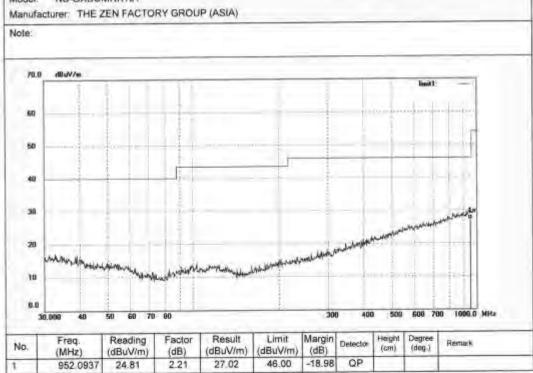
Test item: Radiation Test

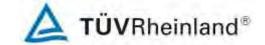
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

Mode TX 2480MHz

Model: NS-GXBOMRK101





Products

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ACCURATE TECHNOLOGY CO., LTD.

F1.Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: lan2015 #1134

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz

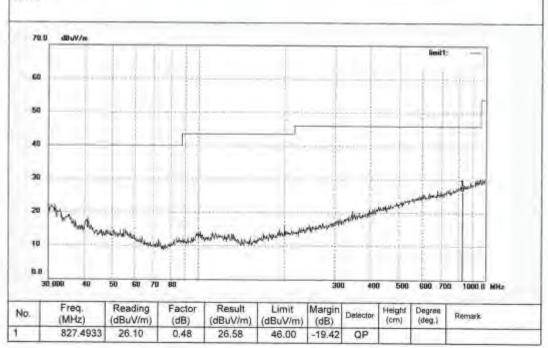
Model NS-GXBOMRK101

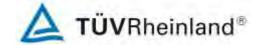
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Polarization: Vertical Power Source DC 3V Date: 15/05/07/

Time

Engineer Signature Distance 3m





Products

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ATC.

ACCURATE TECHNOLOGY CO., LTD.

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

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

Polarization:

Date: 15/05/06/

Distance: 3m

Engineer Signature:

Time

Power Source: DC 3V

Vertical

Job No. lan2015 #1058

Standard: FCC Class B 3M Radiated

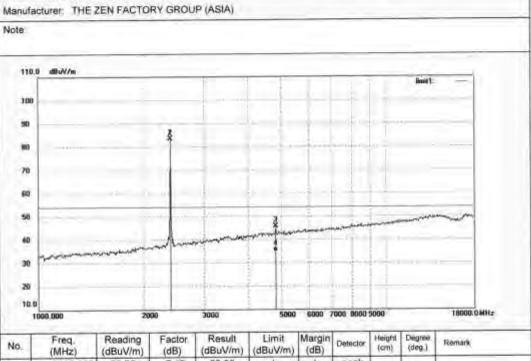
Test item: Radiation Test

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

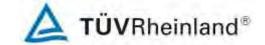
EUT.

Mode TX 2402MHz

Model NS-GXBOMRK101



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	1.	1	peak				
2	2402.000	87.87	-7.45	80.42	1	1	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				



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P,R,China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Polarization: Horizontal

Power Source: DC 3V

Date 15/05/06/

Distance: 3m

Engineer Signature

Time:

Job No. lan2015.#1059

Standard FCC Class B 3M Radiated

Test item: Radiation Test

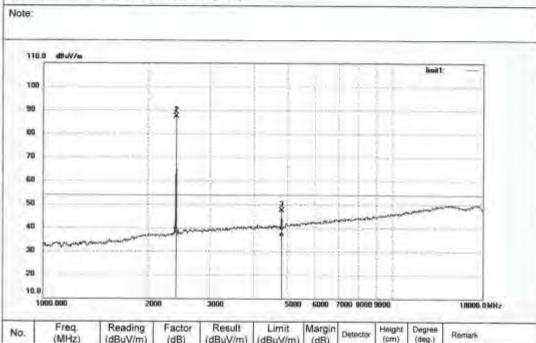
Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Mode

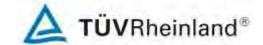
TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)



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	1	1	peak				
2	2402.000	92.35	-7.45	84.90	1	1	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				



Products

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ATO 8

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 #1063

Standard: FCC Class B 3M Radiated

Test item: Radiation Test.

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

EUT:

Mode: TX 2441MHz Model: NS-GXBOMRK101

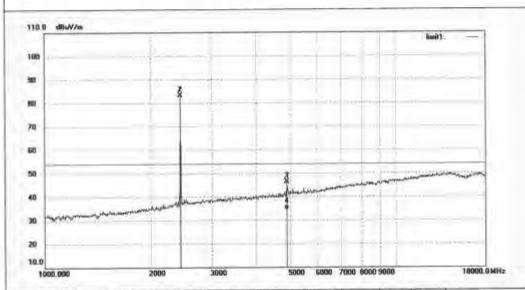
Manufacturer. THE ZEN FACTORY GROUP (ASIA)

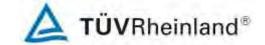
Polarization Vertical Power Source DC 3V

Date: 15/05/06/

Time.

Engineer Signature
Distance: 3m





Products

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ACCURATE TECHNOLOGY CO., LTD.

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

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

Polarization: Horizontal

Power Source: DC 3V

Date: 15/05/06/

Distance: 3m

Engineer Signature:

Time:

lan2015 #1064

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

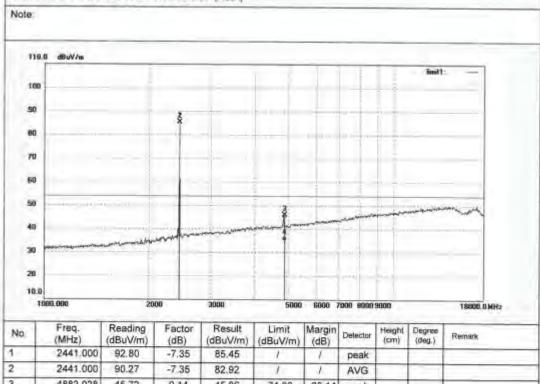
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

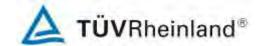
Mode: TX 2441MHz

Model NS-GXBOMRK101

Manufacturer THE ZEN FACTORY GROUP (ASIA)



No.	Freq. (MHz)	(dBuV/m)	Factor (dB)	(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	2441.000	92.80	-7.35	85.45	1	1	peak				
2	2441.000	90.27	-7.35	82.92	1	1	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				



Products

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ATC S

ACCURATE TECHNOLOGY CO., LTD.

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

Horizontal

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

Job No.: lan2015 #1065

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT.

Mode: TX 2480MHz

4960.033

4

34.32

Model NS-

NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Date: 15/05/06/ Time:

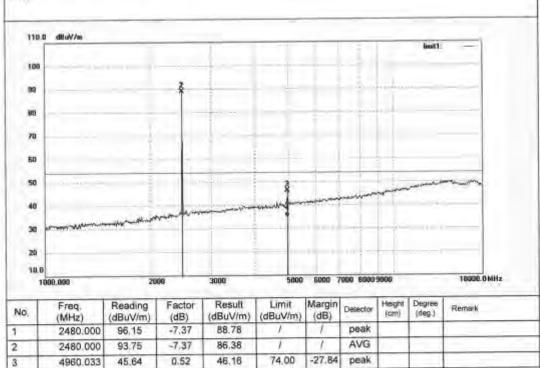
Polarization:

Engineer Signature:

Power Source: DC 3V

Distance: 3m

Note:



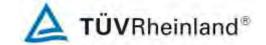
-19,16

54.00

AVG

0.52

34.84



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd. Science & Industry Park,Nanshan Shenzhen,P,R,China Site: 2# Chamber Tel +86-0755-26503290 Fax:+86-0755-26503396

Job No.: lan2015 #1066

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Mode:

TX 2480MHz

Model: NS-GXBOMRK101

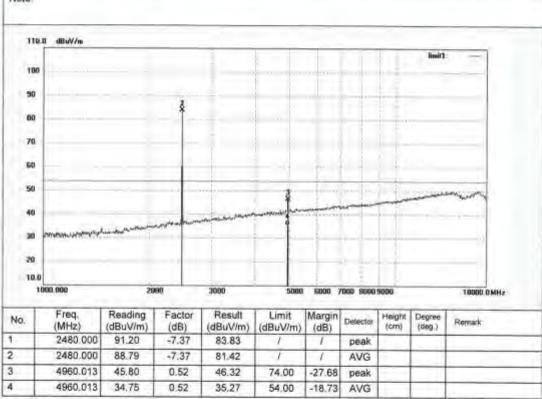
Manufacturer THE ZEN FACTORY GROUP (ASIA)

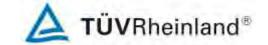
Polarization: Vertical Power Source: DC 3V

Date 15/05/06/ Time

Engineer Signature

Distance: 3m





Products

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ATA⁸

ACCURATE TECHNOLOGY CO., LTD.

Rd, Tel +86-0755-26503290 China Fax +86-0755-26503396

Polarization: Horizontal

Power Source DC 3V

Date: 15/05/07/

Distance: 3m

Engineer Signature

Time

Site: 2# Chamber

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

Job No. lan2015 #1099

Standard FCC Class B 3M Radiated

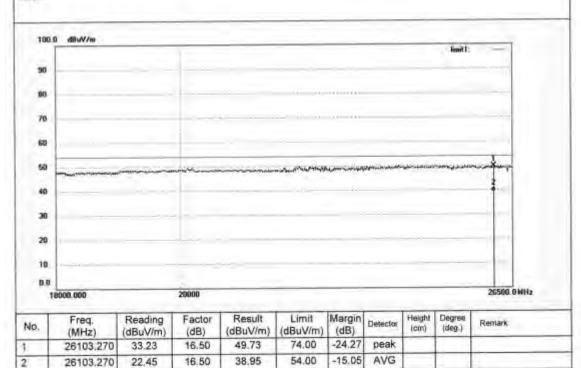
Test item: Radiation Test

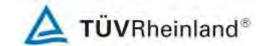
Temp.(C)/Hum.(%) 23 C / 48 %

EUT

Mode: TX 2402MHz Model: NS-GXBOMRK101

Manufacturer. THE ZEN FACTORY GROUP (ASIA)





Products

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ACCURATE TECHNOLOGY CO., LTD.

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

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

Job No.: lan2015 #1100

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT

Mode: TX 2402MHz

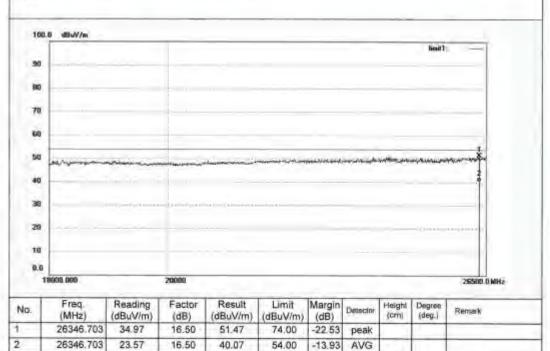
Model NS-GXBOMRK101

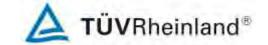
Manufacturer THE ZEN FACTORY GROUP (ASIA)

Polarization: Power Source: DC 3V Date: 15/05/07/

Engineer Signature: Distance: 3m

Vertical





Products

Prüfbericht - Nr.: Test Report No.

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ATC*

ACCURATE TECHNOLOGY CO., LTD.

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

Polarization:

Date: 15/05/07/

Distance: 3m

Engineer Signature:

Time:

Power Source: DC 3V

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

Job No.: lan2015 #1101

Standard: FCC Class B 3M Radiated

Test item Radiation Test

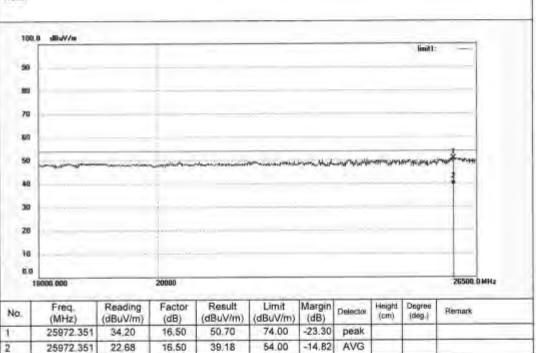
Temp.(C)/Hum.(%) 23 C / 48 %

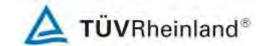
EUT:

Mode TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer THE ZEN FACTORY GROUP (ASIA)





Products

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ACCURATE TECHNOLOGY CO., LTD.

F1, Bldg, A. Changyuan New Material Port Keyuan Rd, Science & Industry Park, Nanshan Shenzhen, P. R. China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Polarization: Horizontal

Power Source: DC 3V

Date: 15/05/07/

Distance: 3m

Engineer Signature

Job No.: Jan2015 #1102

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

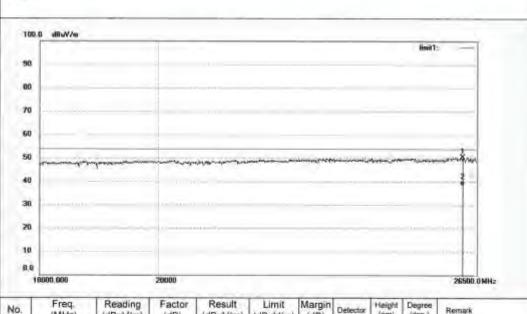
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

Mode: TX 2441MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)





Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P,R,China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Polarization Horizontal

Power Source: DC 3V

Date: 15/05/07/

Distance 3m

Engineer Signature

Time.

Job No. Ian2015 #1103

Standard: FCC Class B 3M Radiated

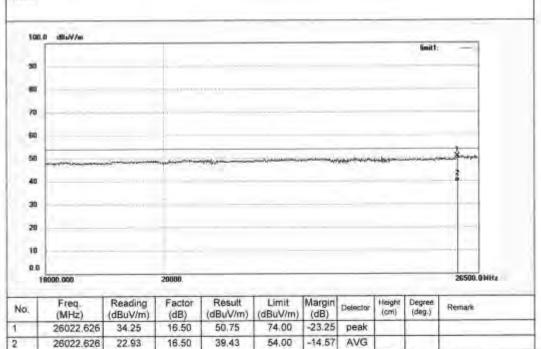
Test item: Radiation Test

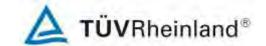
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

Mode: TX 2480MHz Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)





Products

Prüfbericht - Nr.: Test Report No.

17048939 001

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ATTA[®]

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

Polarization Vertical

Power Source DC 3V

Date: 15/05/07/

Distance: 3m

Engineer Signature

Time

Job No: lan2015 #1104

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

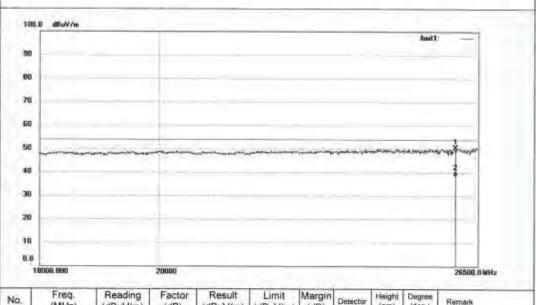
Temp.(C)/Hum (%) 23 C / 48 %

EUT.

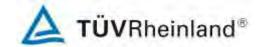
Mode: TX 2480MHz

Model NS-GXBOMRK101

Manufacturer THE ZEN FACTORY GROUP (ASIA)



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				



Products

Prüfbericht - Nr.: Test Report No.

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ACCURATE TECHNOLOGY CO., LTD.

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

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

Polarization: Horizontal

Power Source: DC 3V

Date: 15/05/06/

Distance: 3m

Engineer Signature:

Time:

Job No.: lan2015 #1060

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

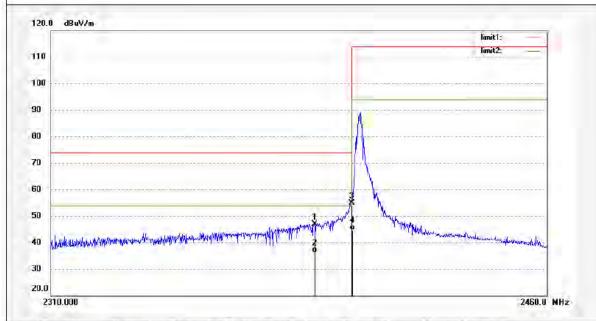
Temp.(C)/Hum.(%) 23 C/48%

EUT:

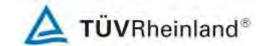
Mode: TX 2402MHz Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)





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	-7.48	44.51	54.00	-9.49	AVG			



Products

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17048939 001

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ACCURATE TECHNOLOGY CO., LTD.

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

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

Polarization: Vertical

Power Source: DC 3V Date: 15/05/08/

Time:

Job No.: lan2015 #1061

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

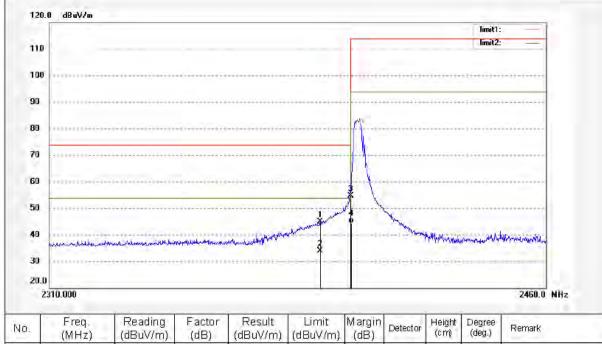
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

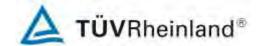
TX 2402MHz Mode:

Manufacturer: THE ZEN FACTORY GROUP (ASIA)





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		- 1		
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		1.		
4	2400.000	51.75	-7.46	44.29	54.00	-9.71	AVG		2.1		



Products

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17048939 001

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ATO 8

ACCURATE TECHNOLOGY CO., LTD.

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

Polarization: Horizontal

Power Source: DC 3V

Date: 15/05/06/

Distance: 3m

Engineer Signature:

Time:

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

Job No.: lan2015 #1068

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

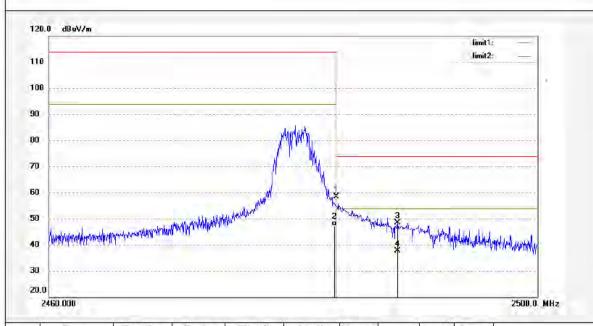
Temp.(C)/Hum.(%) 23 C/48%

EUT:

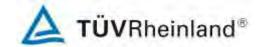
Mode: TX 2480MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)



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	65.73	-7,37	58.36	74.00	-15.64	peak			
2	2483.500	54.44	-7,37	47.07	54.00	-6.93	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			



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: lan2015 #1067

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

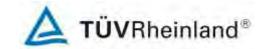
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:

Polarization: Vertical Power Source: DC 3V Date: 15/05/06/ Time:

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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	62.88	-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				



Products

 Prüfbericht - Nr.:
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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 /

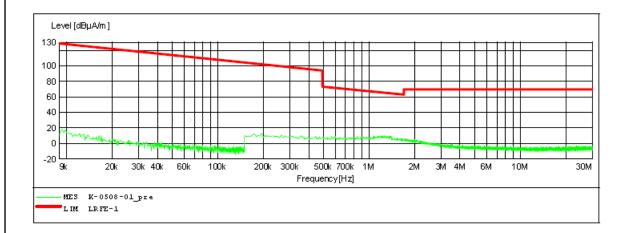
SCAN TABLE: "LFRE Fin"

150.0 kHz 30.0 MHz

Short Description: SUB STD VTERM2 1.70

5.0 kHz

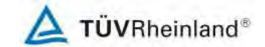
Start Stop Step Detector Meas. IF Transducer Frequency Frequency Width Time Bandw.
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz 1516M



QuasiPeak 1.0 s

9 kHz

1516M



Products

Prüfbericht - Nr.: 17048939 001 Seite 59 von 97 Page 59 of 97 Test Report No.

ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: M/N:NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Operating Condition: TX 2402MHz

1#Shielding Room Test Site:

Operator: LAN Test Specification: DC 5V Comment:

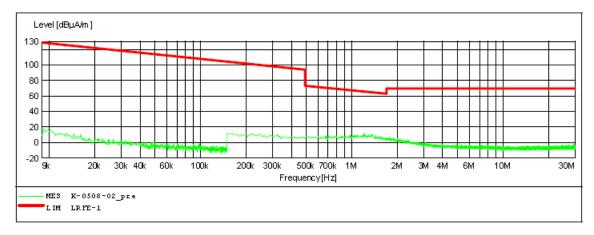
2015-5-8 / Start of Test:

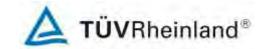
SCAN TABLE: "LFRE Fin"

Short Description: SUB STD VTERM2 1.70

Transducer

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





Products

Prüfbericht - Nr.: 17048939 001 Seite 60 von 97 Page 60 of 97 Test Report No.

ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: M/N: NS-GXBOMRK101

THE ZEN FACTORY GROUP (ASIA) Manufacturer:

Operating Condition: TX 2402MHz

1#Shielding Room

Operator: LAN Test Specification: DC 5V Comment:

Start of Test: 2015-5-8 /

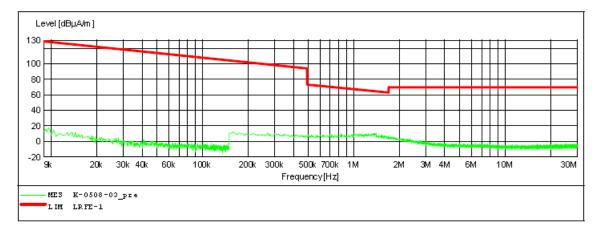
SCAN TABLE: "LFRE Fin" Short Description:

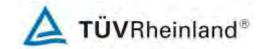
SUB STD VTERM2 1.70

IF Start Stop Transducer

Step Detector Meas. Bandw.

Frequency Frequency Width Time 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 200 Hz 1516M 9 kHz 1516M





Products

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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 /

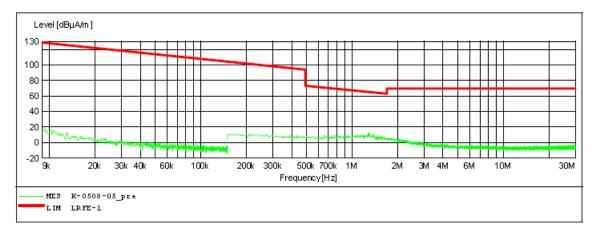
SCAN TABLE: "LFRE Fin"

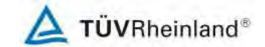
Short Description: SUB STD VTERM2 1.70

Start Stop Step Detector Meas. 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





Products

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ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

M/N:NS-GXBOMRK101

THE ZEN FACTORY GROUP (ASIA) Manufacturer:

Operating Condition: TX 2441MHz

Test Site: 1#Shielding Room

Operator: LAN Test Specification: DC 5V

Comment:

2015-5-8 / Start of Test:

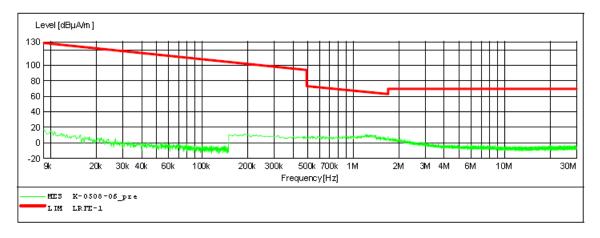
SCAN TABLE: "LFRE Fin"

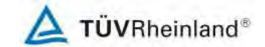
SUB STD VTERM2 1.70 Short Description:

Detector Meas. Step IF Start Stop 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





Products

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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

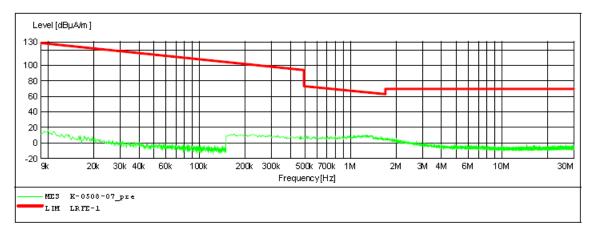
Start of Test: 2015-5-8 /

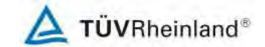
SCAN TABLE: "LFRE Fin" Short Description:

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





Products

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ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

M/N: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Operating Condition: TX 2480MHz

1#Shielding Room Test Site:

Operator: LAN Test Specification: DC 5V Comment:

Start of Test: 2015-5-8 /

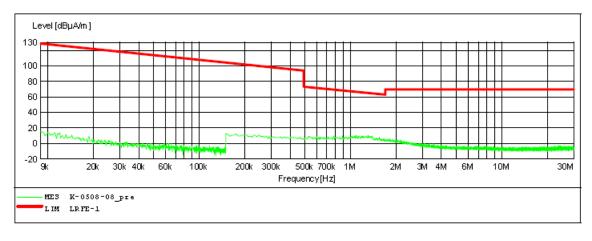
SCAN TABLE: "LFRE Fin"

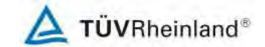
SUB STD VTERM2 1.70 Short Description:

Start Stop Step Detector Meas. IF Transducer

Time Bandw.

Frequency Frequency Width Time 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





Products

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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 /

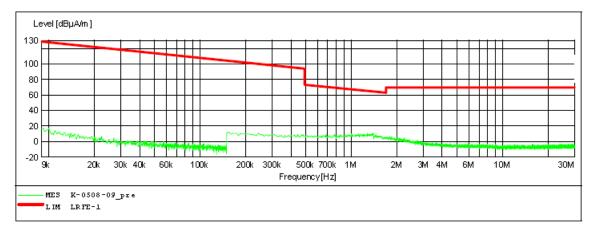
SCAN TABLE: "LFRE Fin"

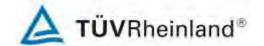
Short Description: SUB STD VTERM2 1.70

Start Stop Step Detector Meas. 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





Products

Prüfbericht - Nr.:

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Test Report No.



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 #1123

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2402MHz Model: NS-GXBOMRK101

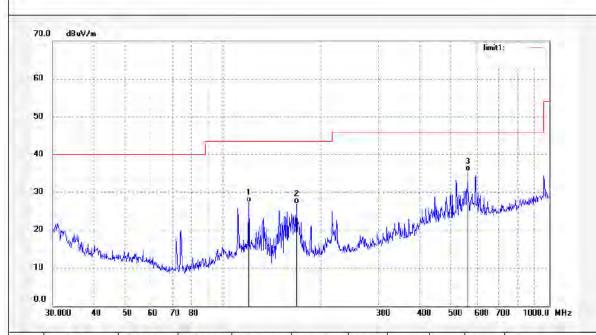
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Vertical Polarization: Power Source: DC 5V

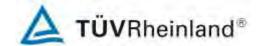
Date: 15/05/07/

Time:

Engineer Signature: Distance: 3m



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	-16.08	QP				
2	167.8241	41.12	-14.02	27.10	43.50	-16.40	QP				
3	562.6624	39.05	-3.42	35.63	46.00	-10.37	QP			_	= 1/2



Products

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17048939 001

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: lan2015 #1124

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

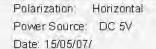
Temp.(C)/Hum.(%) 23 C/48%

EUT:

Mode: TX 2402MHz Model: NS-GXBOMRK101

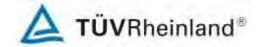
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



Time:

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10 0.0			Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)					



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: lan2015 #1125

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2441MHz
Model: NS-GXBOMRK101

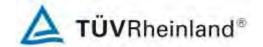
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:

Polarization: Horizontal Power Source: DC 5V

Date: 15/05/07/ Time:

70.0	dBuV/m									
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10 0.0 3				Result (dBuV/m)	Limit (dBuV/m)		3	1		
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Products

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17048939 001

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: lan2015 #1126

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)

Note:

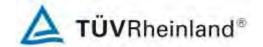
Polarization: Vertical Power Source: DC 5V

Date: 15/05/07/

Time:

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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	- 7 7	7 74	
2	519.0647	39.24	-4.36	34.88	46.00	-11.12	QP	4 (- 11	
3	593.0497	37.39	-3.03	34.36	46.00	-11.64	QP	4.7		



Products

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17048939 001

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: Jan2015 #1127

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)

Note:

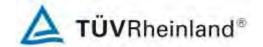
Polarization: Vertical Power Source: DC 5V

Date: 15/05/07/

Time:

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No.	Freq. (MHz)	(dBuV/m)	Factor (dB)	(dBuV/m)	(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	2 1	.2 11	
3	595.1327	37.84	-3.02	34.82	46.00	-11.18	QP		T 1	



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Polarization: Horizontal

Power Source: DC 5V

Date: 15/05/07/

Distance: 3m

Engineer Signature.

Time:

Job No.: lan2015 #1128

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

Mode: TX 2480MHz Model: NS-GXBOMRK101

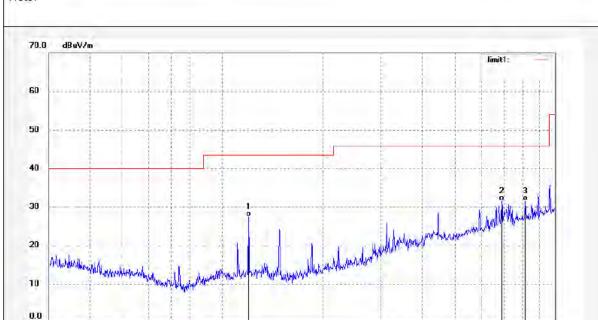
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

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Note:

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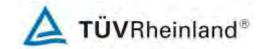
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.8555	40.70	-13.15	27.55	43.50	-15.95	QP			
2	691.9867	33.43	-1.90	31.53	46.00	-14.47	QP	-		
3	815.9678	31.28	0.27	31.55	46.00	-14.45	QP			

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Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Polarization: Vertical

Power Source: DC 5V

Date: 15/05/07/

Distance: 3m

Engineer Signature

Time:

Job No.: lan2015 #1069

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

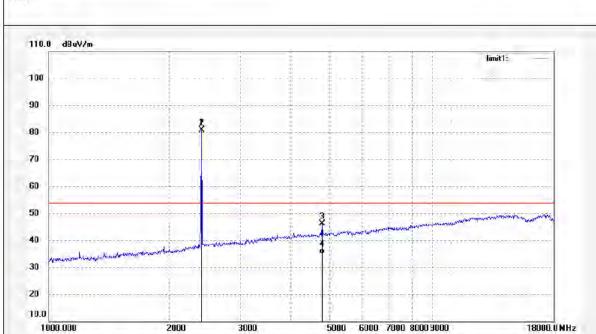
Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Mode:

TX 2402MHz

Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)



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	T.	J	peak			
2	2402.000	86.45	-7,45	79,00	f	1	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	-		



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: 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)

Note:

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4804.019

35.04

-0.30

34.74

Polarization: Horizontal Power Source: DC 5V

Date: 15/05/07/

Time:

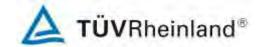
Engineer Signature: Distance: 3m

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20 10,1	Freq.	Reading	Factor	Result	Limit	Margin		Height	Degree (deg.)	
10,1	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit	Margin	Detector	Height	Degree (deg.)	

54.00

-19.26

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Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: 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)

Note:

Polarization: Vertical Power Source: DC 5V Date: 15/05/07/

Time:

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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	1	1	peak			
2	2441.000	86.57	-7.35	79.22	1	1	AVG	1	1	
3	4882.023	44.11	0.14	44.25	74,00	-29.75	peak		1	
4	4882.023	33,04	0.14	33,18	54,00	-20.82	AVG			



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: lan2015 #1074

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

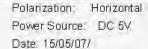
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

Mode: TX 2441MHz Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



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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	1	1	peak	14-41	1	
2	2441.000	84.60	-7.35	77.25	1	1	AVG		11	
3	4882.015	44.20	0.14	44.34	74.00	-29.66	peak		1 = 1	
4	4882.015	33.04	0.14	33.18	54.00	-20.82	AVG			



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: lan2015 #1075

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

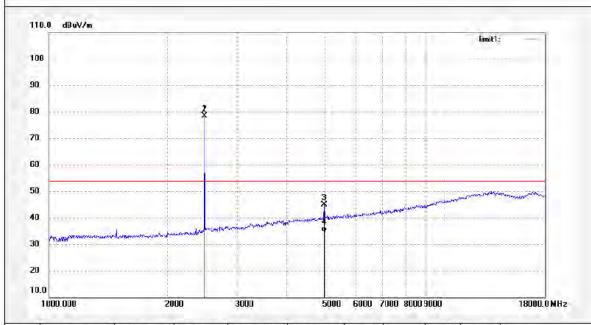
Mode: TX 2480MHz Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

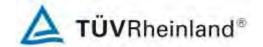
Polarization; Horizontal Power Source: DC 5V Date: 15/05/07/

Time:

Engineer Signature; Distance: 3m



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	1	1.	peak	1 1	11	
2	2480,000	83.44	-7,37	76.07	1	.F	AVG			-
3	4960.017	44.41	0.52	44.93	74.00	-29,07	peak			
4	4960.017	34.17	0.52	34.69	54.00	-19.31	AVG		19	



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: Jan2015 #1076

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

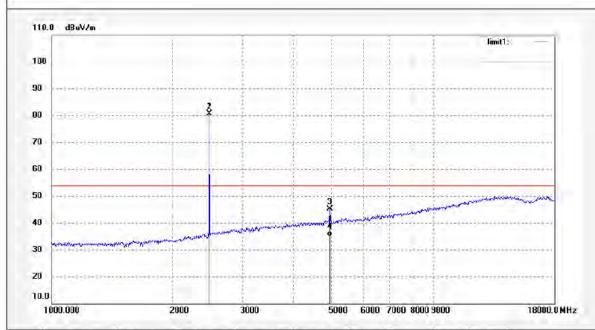
Mode: TX 2480MHz
Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

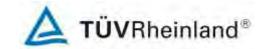
Polarization: Vertical Power Source: DC 5V Date: 15/05/07/

Time:

Engineer Signature: Distance: 3m



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	1	1	peak			
2	2480.000	86.51	-7.37	79.14	1	1	AVG		1 1	
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			



Products

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ACCURATE TECHNOLOGY CO., LTD.

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

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

Polarization: Vertical Power Source: DC 5V

Date: 15/05/07/

Distance: 3m

Engineer Signature

Time:

Job No .: lan2015 #1105

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

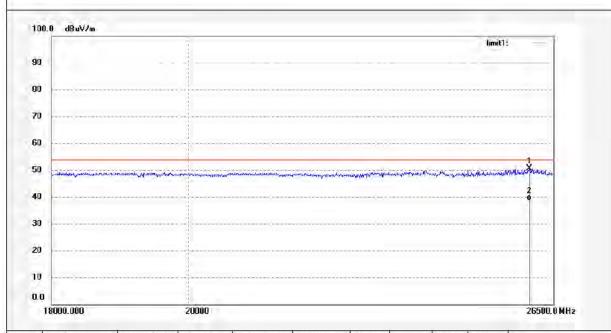
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

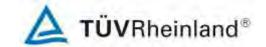
Mode: TX 2402MHz NS-GXBOMRK101 Model:

Manufacturer: THE ZEN FACTORY GROUP (ASIA)





Na:	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			



Products

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ACCURATE TECHNOLOGY CO., LTD.

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

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

Polarization: Horizontal

Power Source: DC 5V

Date: 15/05/07/

Distance: 3m

Engineer Signature:

Time:

Job No.: lan2015 #1106

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

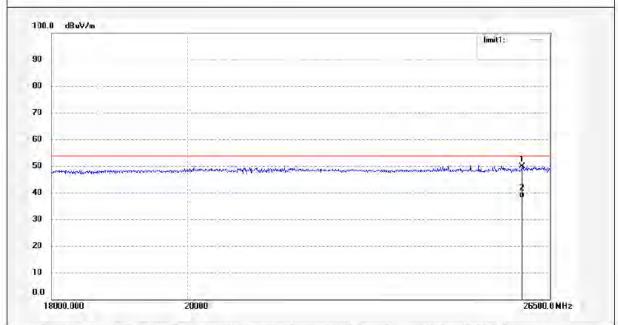
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

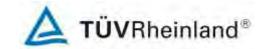
Mode: TX 2402MHz Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)





No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (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				



Products

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Polarization: Horizontal

Power Source: DC 5V

Date: 15/05/07/

Distance: 3m

Engineer Signature:

Time:

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)

Note:

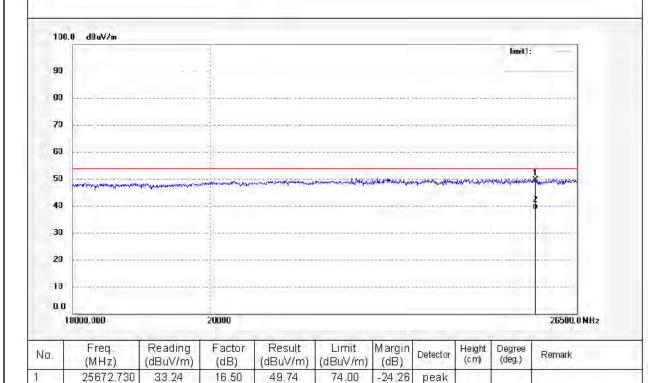
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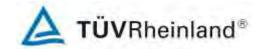
38.67



54.00

-15.33

AVG



Products

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17048939 001

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ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-28503396

Job No.: lan2015 #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)

Note:

Polarization: Vertical Power Source: DC 5V Date: 15/05/07/

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20 10 0.0 1	8000.000 Freq. (MHz)	Reading (dBuV/m)	20000 Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	26500.0 MHz
10 0.0 1	Freq.	Reading (dBuV/m) 34.38	Factor		Limit (dBuV/m) 74.00	Margin (dB) -23.12	4-37734-7	Height (cm)	Degree (deg.)	



Products

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Test Report No.



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 #1109

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

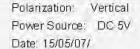
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

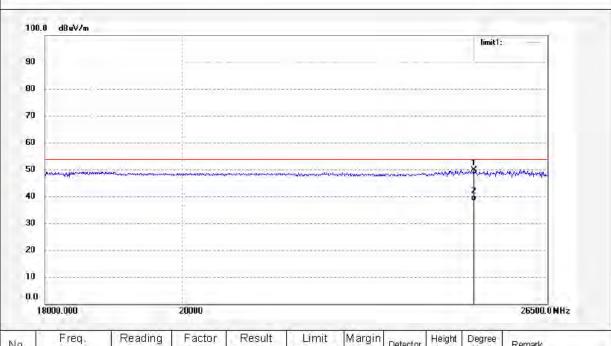
Mode: TX 2480MHz Model: NS-GXBOMRK101

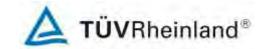
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



Time:





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F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: Jan2015 #1110

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT:

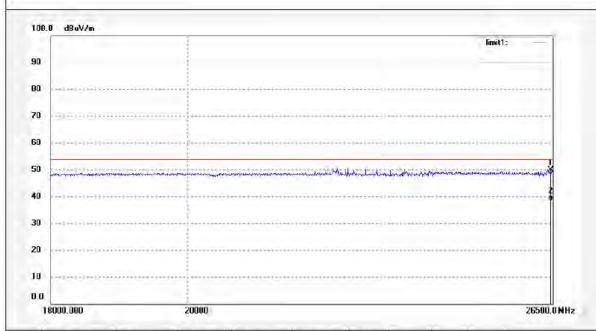
Mode: TX 2480MHz Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

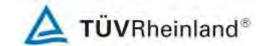
Polarization: Horizontal Power Source: DC 5V Date: 15/05/07/

Time:

Engineer Signature: Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
11	26469.269	33,29	16.50	49.79	74.00	-24.21	peak	1	1 1	
2	26469 269	21.85	16.50	38.35	54.00	-15.65	AVG	1 7		



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Job No.: lan2015 #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)

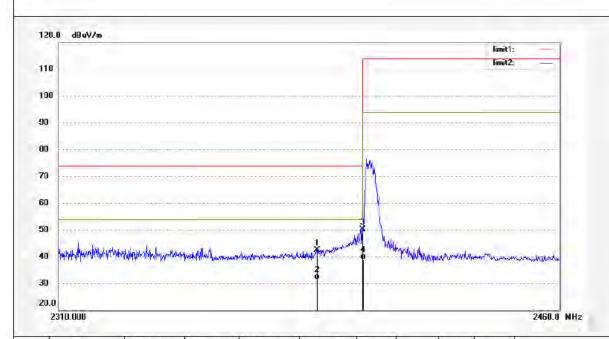
Time: Engineer Signature: Distance: 3m

Date: 15/05/07/

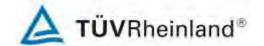
Power Source: DC 5V

Polarization:

Horizontal



Na.	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	9 1		
2	2386,350	38,85	-7.55	31.30	54.00	-22.70	AVG	-	-	
3	2400.000	57.69	-7.46	50,23	74.00	-23.77	peak			
4	2400,000	46.38	-7.48	38.92	54.00	-15.08	AVG		==1	



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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)

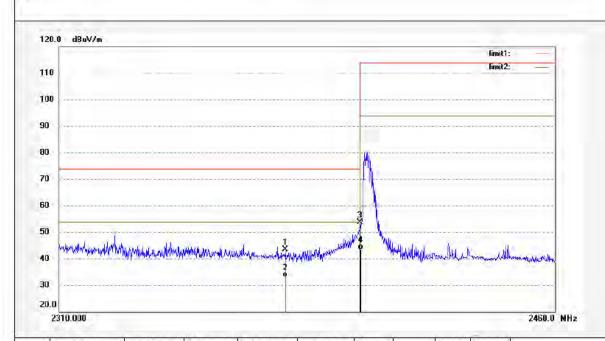
Polarization: Vertical Power Source: DC 5V

Time:

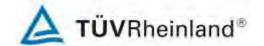
Engineer Signature: Distance: 3m

Date: 15/05/07/

N	ō	te	Š



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		1 1		
2	2377.500	40.61	-7.61	33.00	54.00	-21.00	AVG		1 11		I
3	2400,000	60.97	-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

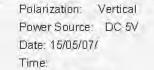
Temp.(C)/Hum.(%) 23 C / 48 %

EUT:

Mode: TX 2480MHz Model: NS-GXBOMRK101

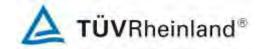
Manufacturer: THE ZEN FACTORY GROUP (ASIA)

Note:



	limit1:	-1
110	limit2:	
100		
90		
34		
80	dotto.	
70		
60		
50		
40 militari		CONTRACTOR AND
30		
20.0		

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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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 #1078

Standard: FCC Part 15 Band Edge (2.4G)

Test item: Radiation Test

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

EUT:

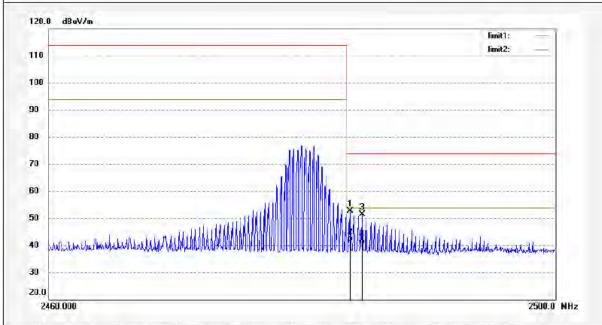
Mode: TX 2480MHz Model: NS-GXBOMRK101

Manufacturer: THE ZEN FACTORY GROUP (ASIA)

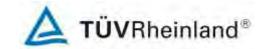
Polarization: Horizontal Power Source: DC 5V Date: 15/05/07/

Time:

Engineer Signature Distance: 3m



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	59.95	-7.38	52.57	74.00	-21.43	peak	1		
2	2483.760	48.67	-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			



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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

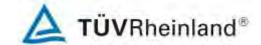
DC 5V for dongle via USB port

Operation mode : A.2

Earthing : Not connected

Ambient temperature : 23°C
Relative humidity : 48%
Atmospheric pressure : 101kPa

For details refer to test plots.



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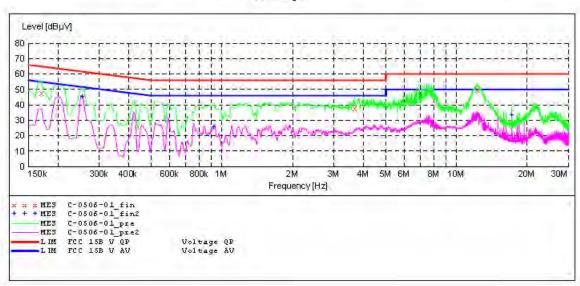
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Test Plots of Conducted Emission

SCAN TABLE: "V 150K-30MHz fin"
Short Description: _SUB_STD_VTERM2 1.70

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

Average

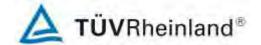


MEASUREMENT RESULT: "C-0506-01 fin"

5/6/2015							
Frequency MHz	Level dBµV	Transd dB	Limít 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 0.925000 17.175000	45.60 25.90 33.90	10.6 10.8 11.4	52 46 50	6.0 20.1 16.1	AV AV AV	N N	GND GND GND



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SCAN TABLE: "V 150K-30MHz fin"
Short Description: SUB_STD_VTERM2 1.70

Start Stop

Step

Detector Meas. IF

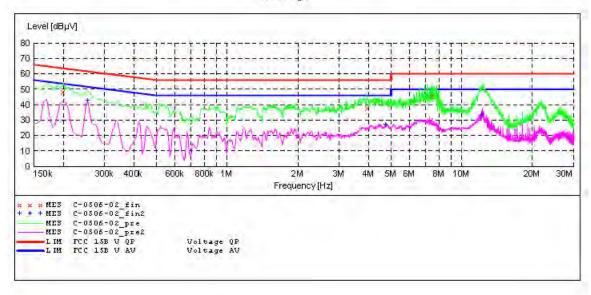
Transducer

Frequency Frequency Width 150.0 kHz 30.0 MHz 4.5 kHz

Time

Bandw. QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average



MEASUREMENT RESULT: "C-0506-02_fin"

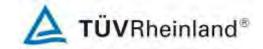
5/6/2015

13	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	OP	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	ь1	GND
12.225000	33.80	11.3	50	16.2	AV	L1	GND



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6. Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

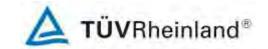
RESULT: Pass

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 ≤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 ≤50 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure. Guidance v05r02.





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7. Photographs of the Test Set-Up

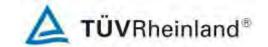
Photograph 1: Set-up for Conducted Emissions



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







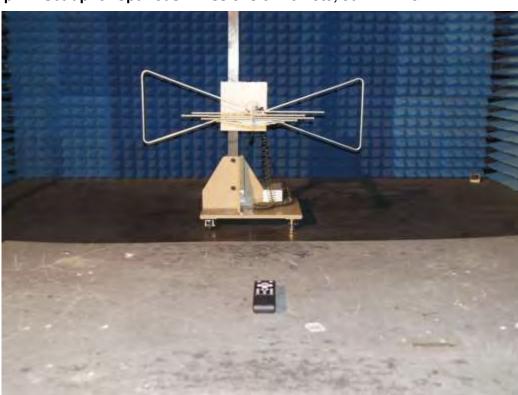
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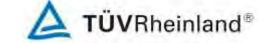
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Photograph 3: Set-up for Spurious Emissions of dongle, below 30MHz



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





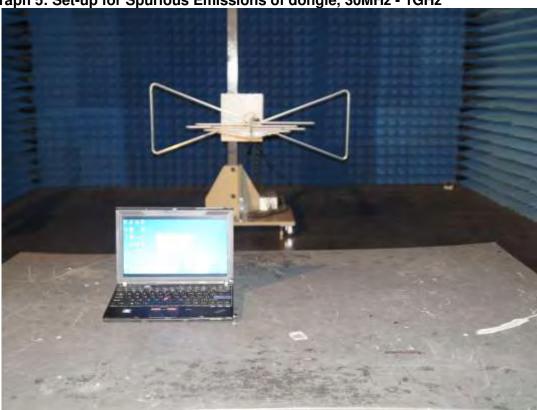
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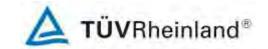
Photograph 5: Set-up for Spurious Emissions of dongle, 30MHz - 1GHz



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







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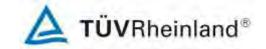
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Photograph 7: Set-up for Spurious Emissions of dongle, 1GHz – 18GHz



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





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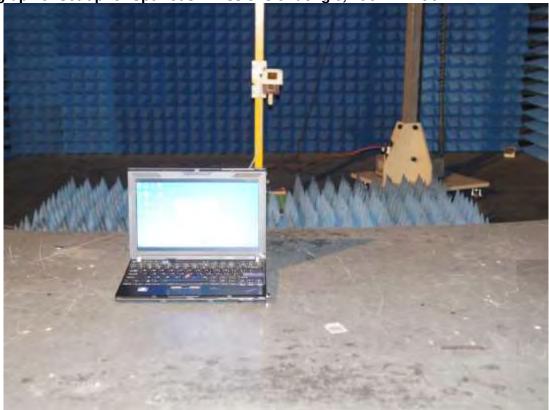
Prüfbericht - Nr.:

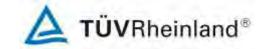
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Photograph 9: Set-up for Spurious Emissions of dongle, 18GHz – 25GHz





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Table 4: Technical Specification of Dongle	
Table 5: Accessories and Auxiliary Equipment	

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