

Prüfbericht-Nr.: <i>Test Report No.:</i>	17043197 001	Auftrags-Nr.: <i>Order No.:</i>	164021099	Seite 1 von 21 Page 1 of 21
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	05.09.2014	
Auftraggeber: <i>Client:</i>	The Zen Factory Group (ASIA) House 23, Hibiscus Path, Westwood, Palm Springs, Yuen Long, NT, Hong Kong			
Prüfgegenstand: <i>Test item:</i>	Media Remote for PlayStation®4			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	NS-GPS4RC101			
Auftrags-Inhalt: <i>Order content:</i>	FCC Certification			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.249 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109 FCC KDB publication 447498 D01 v05r02			
Wareneingangsdatum: <i>Date of receipt:</i>	23.09.2014			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000110547 001-002			
Prüfzeitraum: <i>Testing period:</i>	24.09.2014 - 30.09.2014			
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by: 		kontrolliert von / reviewed by: 		
21.10.2014	Tom Wang / Assistant Project Manager	21.10.2014	Sam Lin / Technical Certifier	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
				Unterschrift <i>Signature</i>
Sonstiges / Other: FCC ID: WP85B04001ZEN --Remote FCC ID: WP85B04001 --Dongle				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				



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

Contents

1.	GENERAL REMARKS	4
1.1	COMPLEMENTARY MATERIALS	4
2.	TEST SITES	4
2.1	TEST FACILITIES	4
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	5
2.3	TRACEABILITY	5
2.4	CALIBRATION	5
2.5	MEASUREMENT UNCERTAINTY.....	6
2.6	LOCATION OF ORIGINAL DATA.....	6
2.7	STATUS OF FACILITY USED FOR TESTING.....	6
3.	GENERAL PRODUCT INFORMATION	7
3.1	PRODUCT FUNCTION AND INTENDED USE.....	7
3.2	RATINGS AND SYSTEM DETAILS	7
3.3	INDEPENDENT OPERATION MODES	8
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	8
3.5	SUBMITTED DOCUMENTS	8
4.	TEST SET-UP AND OPERATION MODES	9
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	9
4.2	TEST OPERATION AND TEST SOFTWARE	9
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	9
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....	9
4.5	TEST SETUP DIAGRAM	10
5.	TEST RESULTS	11
5.1	TRANSMITTER REQUIREMENT & TEST SUITES	11
5.1.1	<i>Antenna Requirement</i>	<i>11</i>
5.1.2	<i>Fundamental & Harmonics Radiated Emission</i>	<i>12</i>
5.1.3	<i>Radiated spurious emissions outside band</i>	<i>13</i>
5.1.4	<i>Conducted emissions.....</i>	<i>14</i>
6.	SAFETY HUMAN EXPOSURE.....	15
6.1	RADIO FREQUENCY EXPOSURE COMPLIANCE.....	15
6.1.1	<i>Electromagnetic Fields.....</i>	<i>15</i>
7.	PHOTOGRAPHS OF THE TEST SET-UP	16
8.	LIST OF TABLES	21
9.	LIST OF PHOTOGRAPHS	21

1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:
Appendix 1: Test Results

2. Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

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

FCC Registration No.: 752051

IC OATS Registration No.: 5077A-2

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

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Transmitter spurious emissions				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-11
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-11
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-11
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-11
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2015-01-11
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	2015-01-11
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	2015-01-11
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	2015-01-11
50Ω Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015-01-11
Radiated Emission				
Spectrum Analyzer	Agilent	E7405A	MY45115511	2015-01-11
Test Receiver	Rohde & Schwarz	ESCS30	100307	2015-01-11
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	2015-01-11
Loop Antenna	Schwarzbeck	FMZB1516	1516131	2015-01-11
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	2015-01-11
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	2015-01-11
Pre-Amplifier	Rohde & Schwarz	CBLU118354 0-01	3791	2015-01-11

2.3 Traceability

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

2.4 Calibration

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

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

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

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

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

3. General Product Information

3.1 Product Function and Intended Use

The system is a wireless PS4 remote control composed of one remote and one USB dongle. It operates at 2.4GHz ISM frequency band.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of Remote

Technical Specification	Value
Type Designation	NS-GPS4RC101
FCC ID	WP85B04001ZEN
Operating Frequency band	2403 – 2480MHz
Channel number	16
Measured Maximum Output Power(mW)	0.065
Operation Voltage	DC 3V via 2* AAA batteries
Modulation	GFSK
Antenna type	Internal antenna
Antenna Gain	0dBi
Channel frequency(MHz)	2403/2409/2416/2421/2424/2428/2438/2441/2444/2447/2461/2465/2468/2475/2480

Table 4: Technical Specification of Dongle

Technical Specification	Value
Type Designation	NS-GPS4RC101
FCC ID	WP85B04001
Operating Frequency band	2403 – 2480MHz
Channel number	16
Measured Maximum Output Power(mW)	0.0036
Operation Voltage	DC 5V via USB port
Modulation	GFSK
Antenna type	Internal antenna
Antenna Gain	0dBi
Channel frequency(MHz)	2403/2409/2416/2421/2424/2428/2438/2441/2444/2447/2461/2465/2468/2475/2480

3.3 Independent Operation Modes

The basic operation modes are:

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

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

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

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

4.2 Test Operation and Test Software

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

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories.

Table 5: Accessories and Auxiliary Equipment

Description	Manufacturer	Part No.	S/N
Notebook PC	Lenovo	ThinkPad X240	--
Printer	HP	laserjet 1015	CNFG030424

4.4 Countermeasures to achieve EMC Compliance

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

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

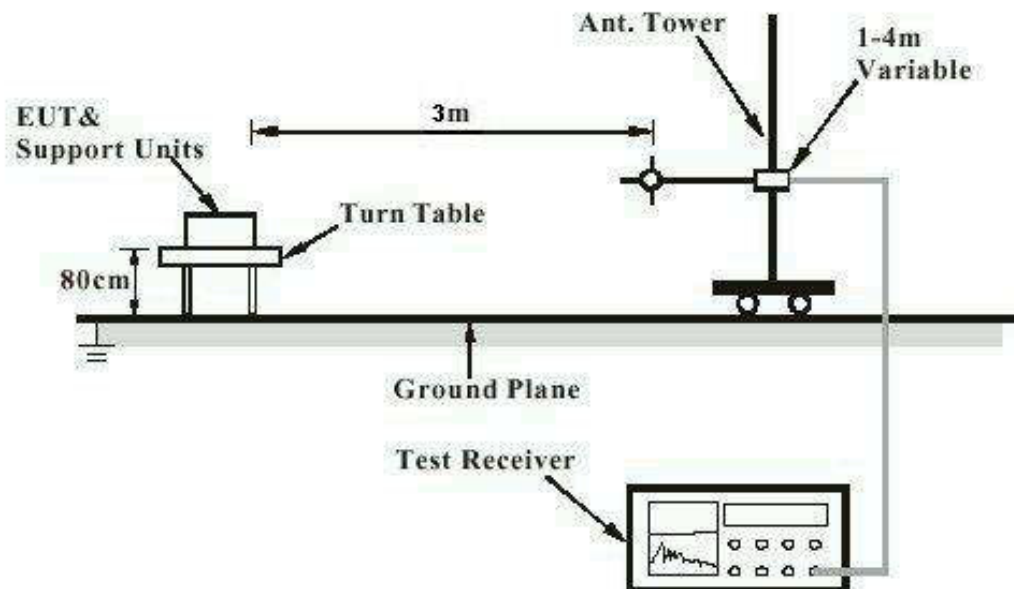
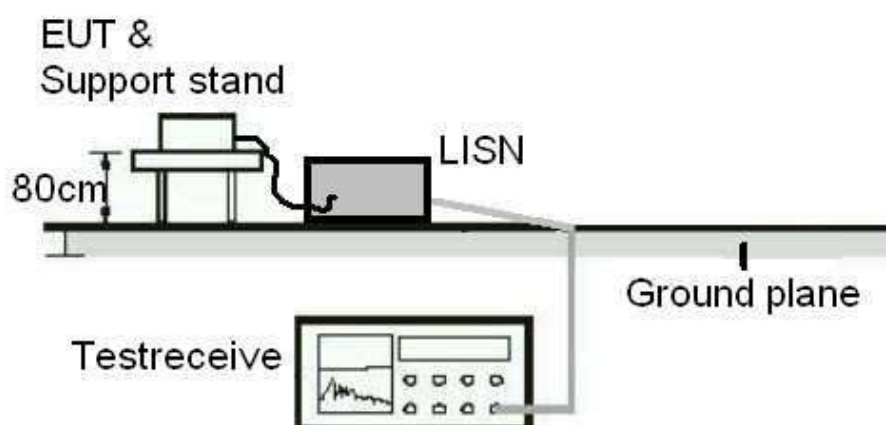


Diagram of Measurement Equipment Configuration for Conduction Measurement



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 0dBi 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.

Prüfbericht - Nr.: 17043197 001

Test Report No.

Seite 12 von 21

Page 12 of 21

5.1.2 Fundamental & Harmonics Radiated Emission**RESULT:****Pass**

Date of testing : 2014-09-25
Test standard : FCC part 15.249(a)
Clause A2.9(a) of RSS-210
Basic standard : ANSI C63.4: 2003
Limits : FCC part 15.249(a)
Clause A2.9(a) of RSS-210
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 test plots in Appendix 1.

5.1.3 Radiated spurious emissions outside band**RESULT:****Pass**

Date of testing	:	2014-09-25
Test standard	:	FCC Part 15.209(a) FCC Part 15.249(d) Clause 2.2 of RSS-210
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.009 – 25000MHz*
Limits	:	FCC Part 15.209(a) FCC Part 15.249(d) Clause 7.2.5 of RSS-Gen
Kind of test site	:	3m Semi-Anechoic Chamber

Test Setup

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

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

5.1.4 Conducted emissions

RESULT:**Pass**

Date of testing	:	2014-09-26
Test standard	:	FCC Part 15.207 RSS-Gen Clause 7.2.4
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207 Table 4 of RSS-Gen
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 in Appendix 1.

6. Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Pass**

Test standard : RSS-102 Issue 4 March 2010
FCC KDB Publication 447498 D01 v05r02

The separation distance of the remote should be 5mm. The measured maximum peak output power of the remote is 0.065mW, 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 v05r01.

The separation distance of the USB dongle should be 5mm. The measured maximum peak output power of the dongle is 0.0036mW, 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 v05r01.

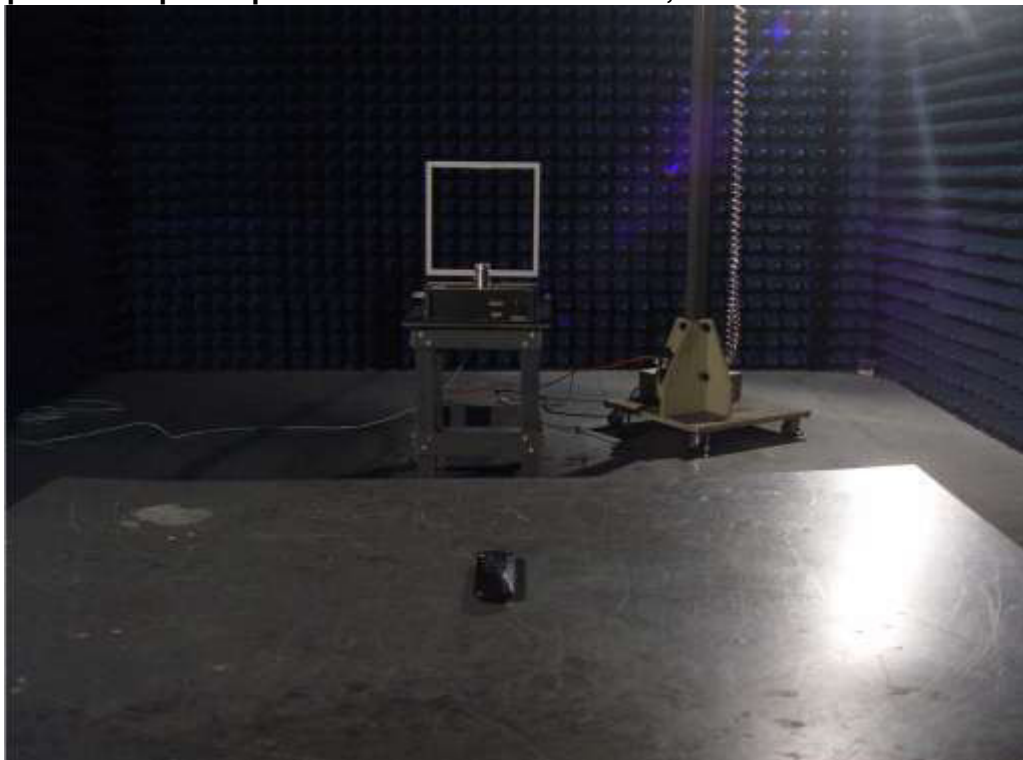
And the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 4 as well.

7. Photographs of the Test Set-Up

Photograph 1: Set-up for Conducted Emissions



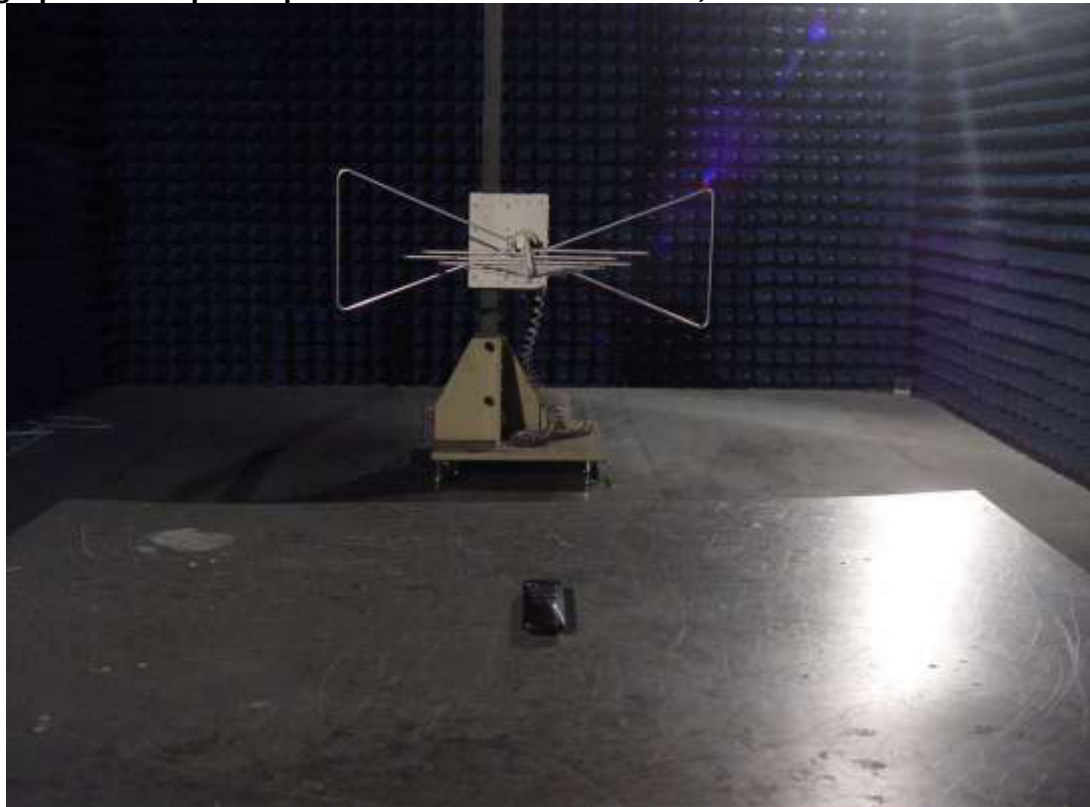
Photograph 2: Set-up for Spurious Emissions of Remote, below 30MHz



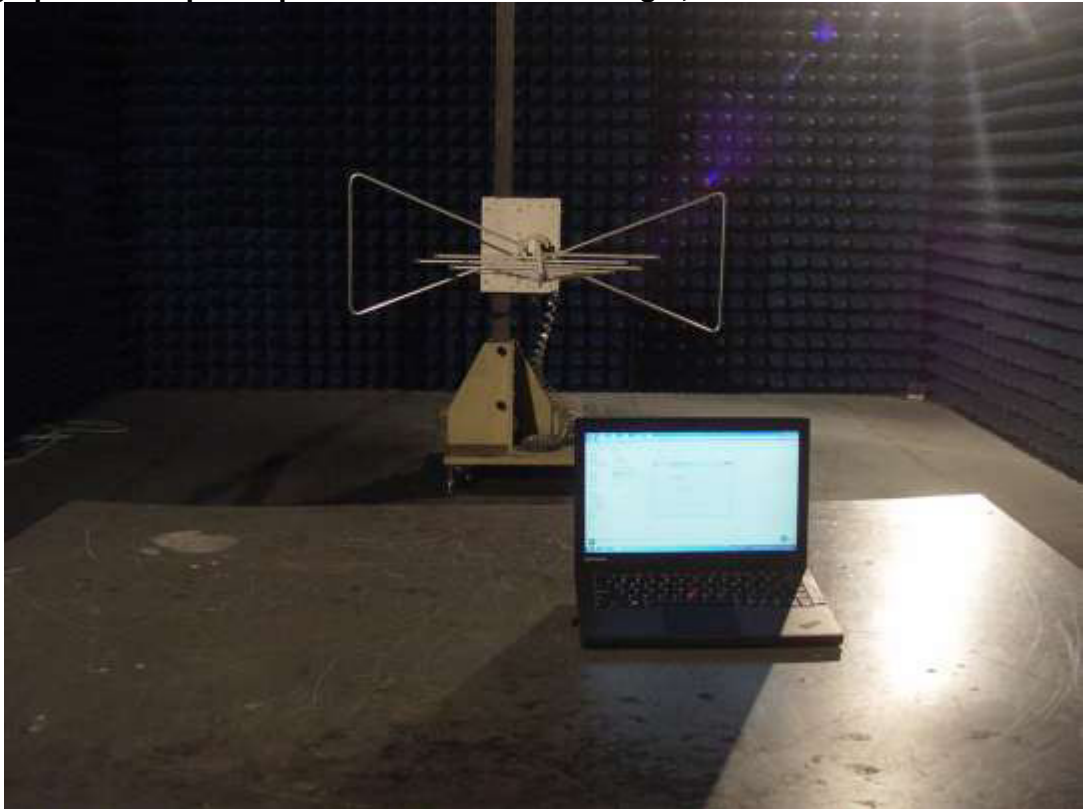
Photograph 3: Set-up for Spurious Emissions of dongle, below 30MHz



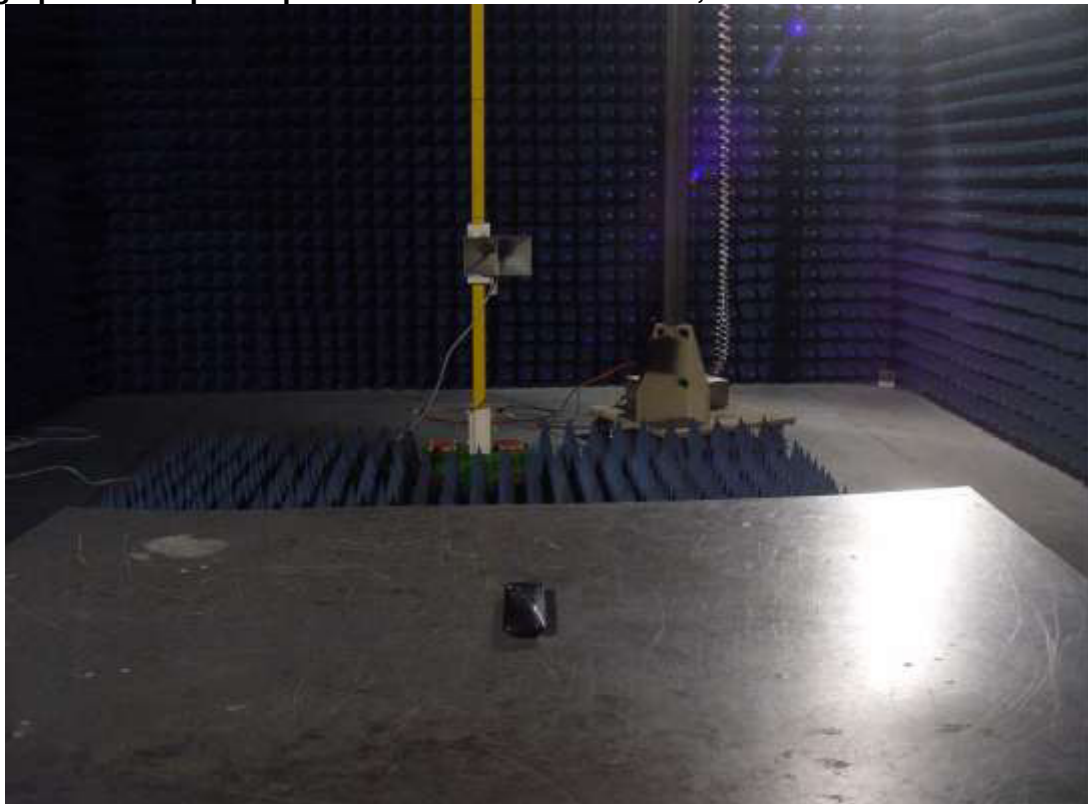
Photograph 4: Set-up for Spurious Emissions of Remote, 30MHz - 1GHz



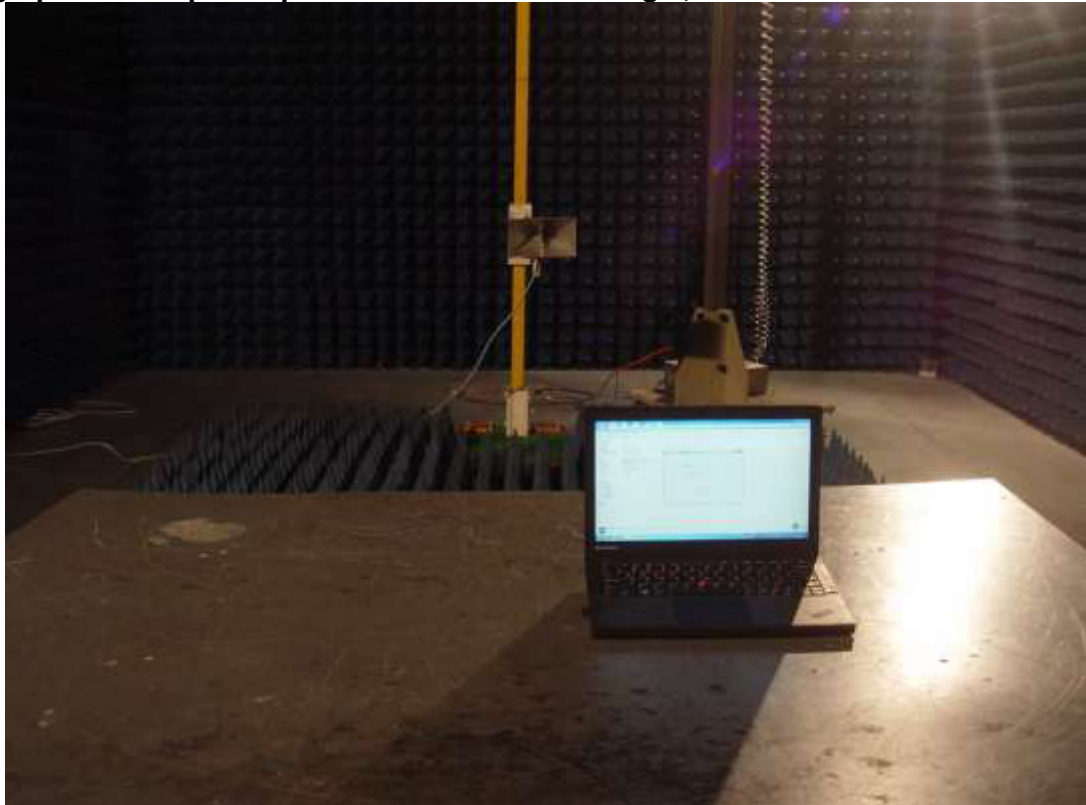
Photograph 5: Set-up for Spurious Emissions of dongle, 30MHz - 1GHz



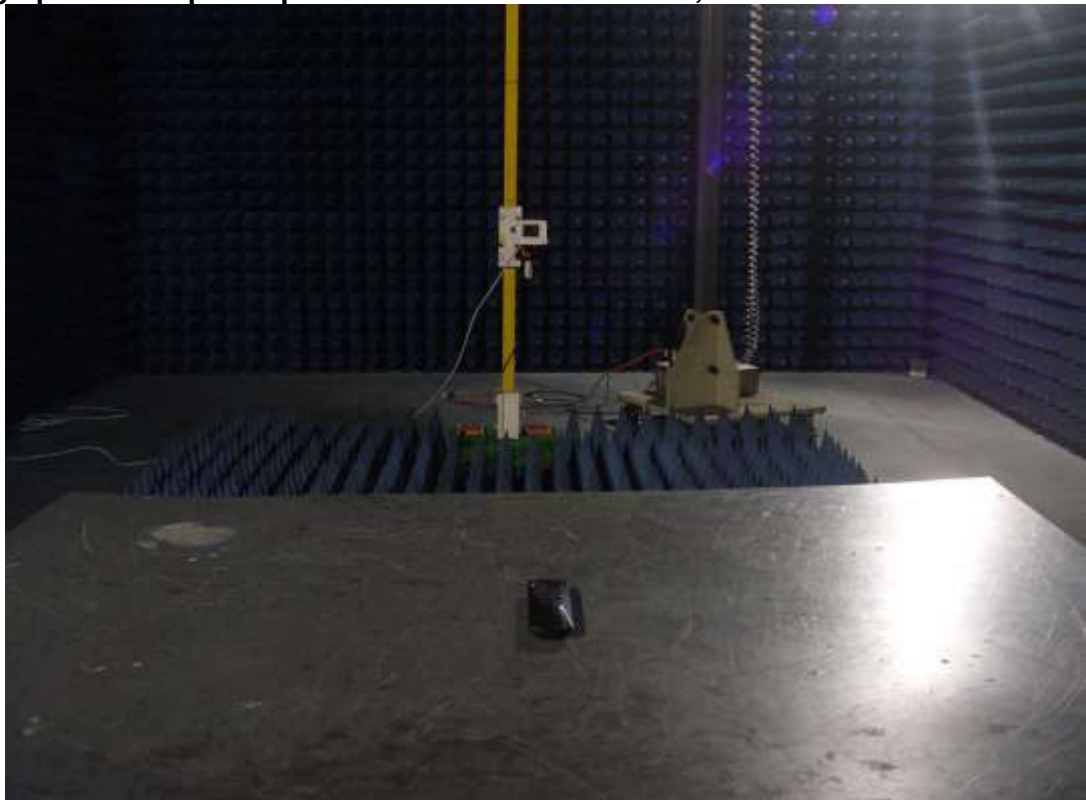
Photograph 6: Set-up for Spurious Emissions of Remote, 1GHz – 18GHz



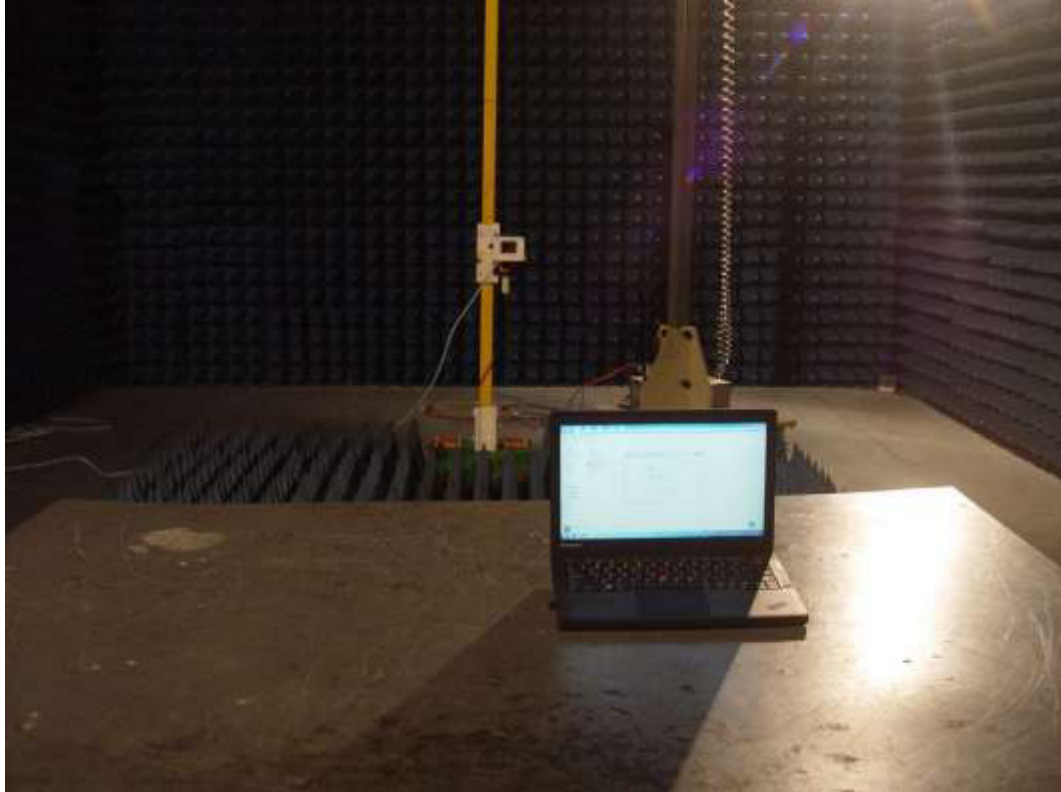
Photograph 7: Set-up for Spurious Emissions of dongle, 1GHz – 18GHz



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



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



8. List of Tables

Table 1: List of Test and Measurement Equipment	5
Table 2: Measurement Uncertainty	6
Table 3: Technical Specification of Remote	7
Table 4: Technical Specification of Dongle	7
Table 5: Accessories and Auxiliary Equipment	9

9. List of Photographs

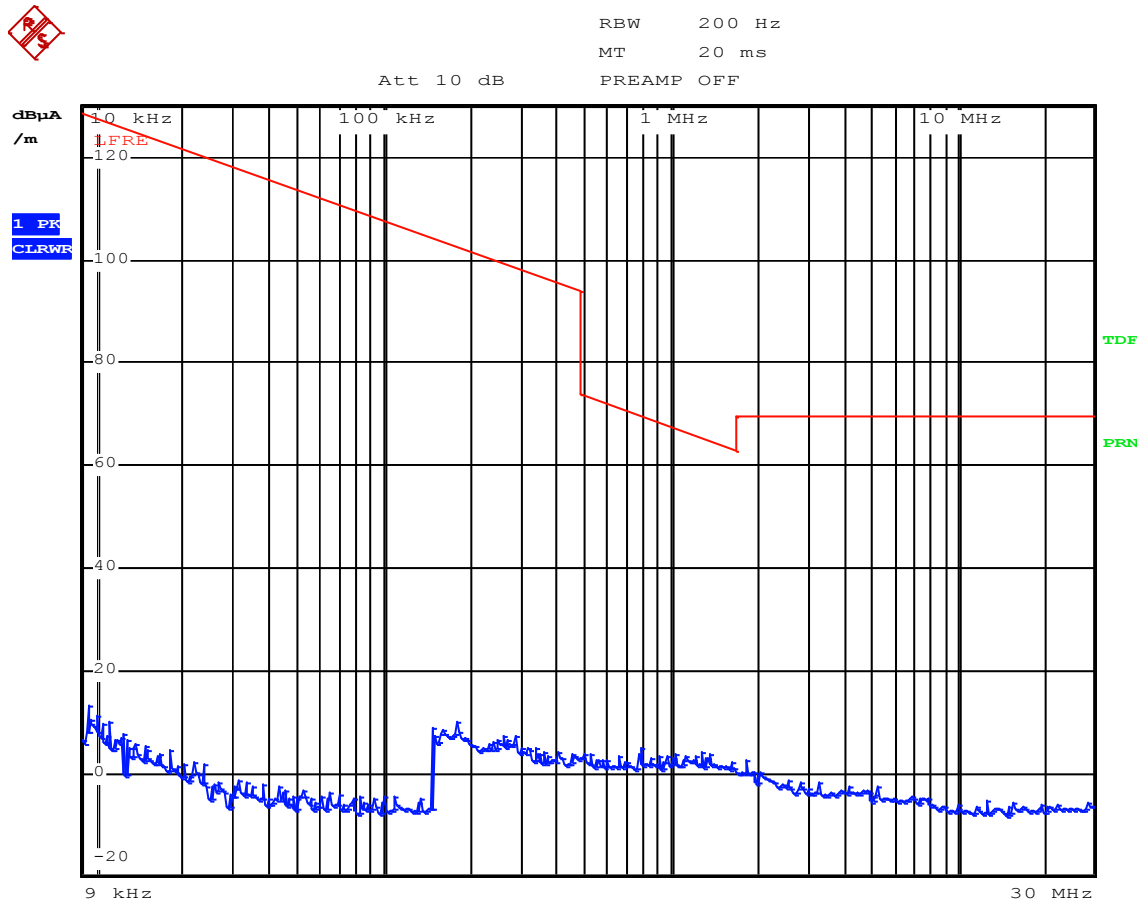
Photograph 1: Set-up for Conducted Emissions	16
Photograph 2: Set-up for Spurious Emissions of Remote, below 30MHz	16
Photograph 3: Set-up for Spurious Emissions of dongle, below 30MHz	17
Photograph 4: Set-up for Spurious Emissions of Remote, 30MHz - 1GHz	17
Photograph 5: Set-up for Spurious Emissions of dongle, 30MHz - 1GHz	18
Photograph 6: Set-up for Spurious Emissions of Remote, 1GHz - 18GHz	18
Photograph 7: Set-up for Spurious Emissions of dongle, 1GHz - 18GHz	19
Photograph 8: Set-up for Spurious Emissions of Remote, 18GHz - 25GHz	19
Photograph 9: Set-up for Spurious Emissions of dongle, 18GHz - 25GHz	20

Contents

1	Test figures of radiated spurious emission outside band of Remote, 9 KHz-30MHz.....	2
2	Test figures of radiated spurious emission outside band of Remote, 30MHz-1GHz	11
3	Test figures of radiated spurious emission outside band of Remote, 1GHz-18GHz.....	17
4	Test figures of radiated spurious emission outside band of Remote, 18GHz-25GHz.....	23
5	Test figures of radiated spurious emission of remote, band edge, 30MHz-1GHz	29
6	Test figures of radiated spurious emission outside band of Dongle, 9 KHz-30MHz	33
7	Test figures of radiated spurious emission outside band of Dongle, 30MHz-1GHz.....	42
8	Test figures of radiated spurious emission outside band of Dongle, 1GHz-18GHz	48
9	Test figures of radiated spurious emission outside band of Dongle, 18GHz-25GHz.....	54
10	Test figures of radiated spurious emission of Dongle, Band edge	60
11	Test figures of conducted emission	64

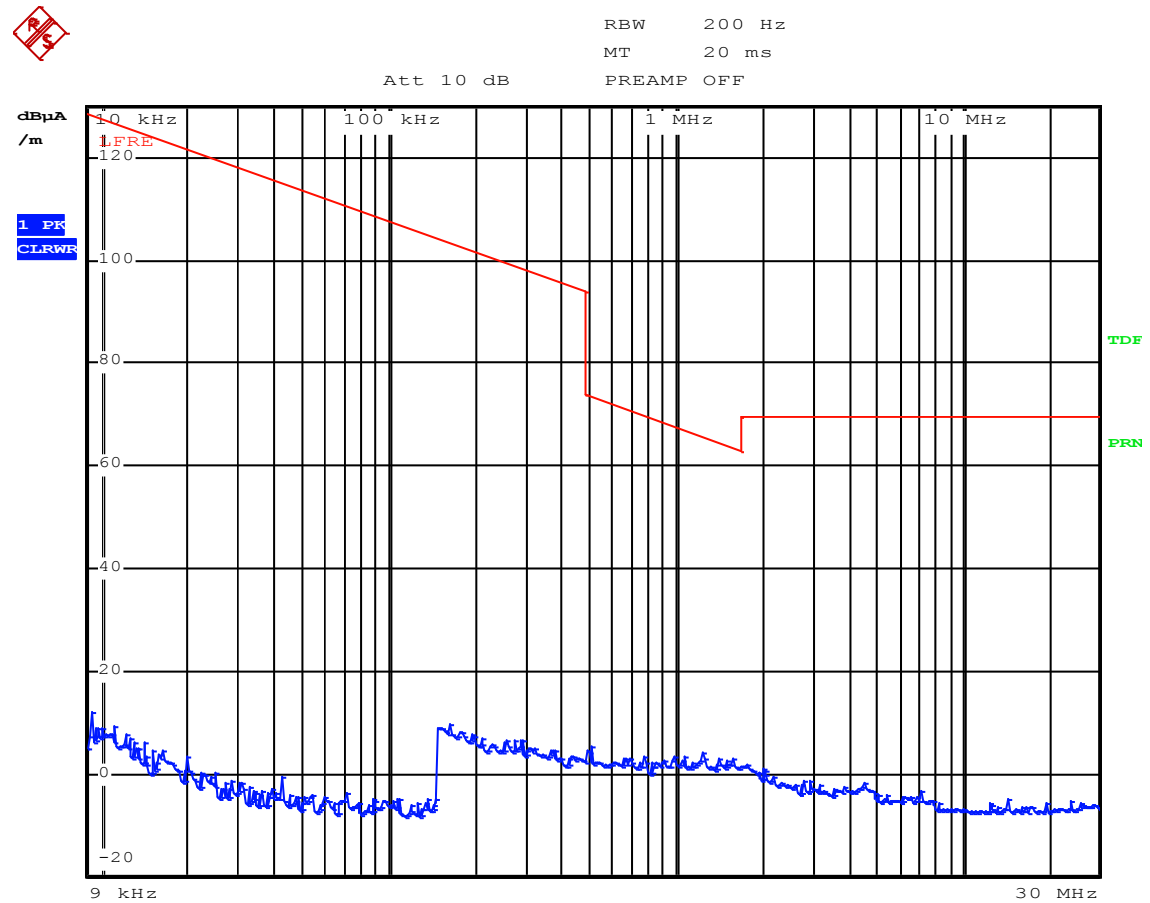
1 Test figures of radiated spurious emission outside band of Remote, 9 KHz-30MHz

Low channel, X Axis



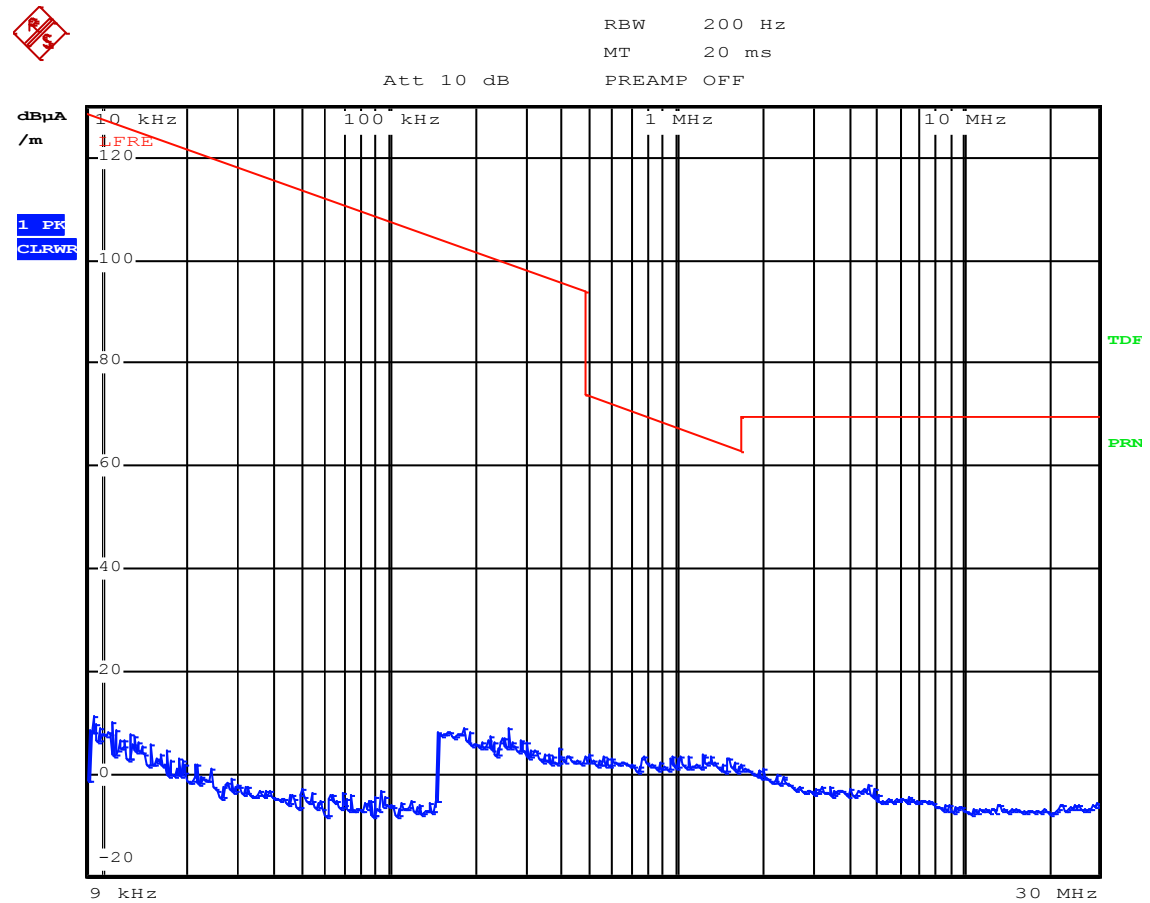
Date: 26.SEP.2014 20:41:59

Low channel, Y Axis



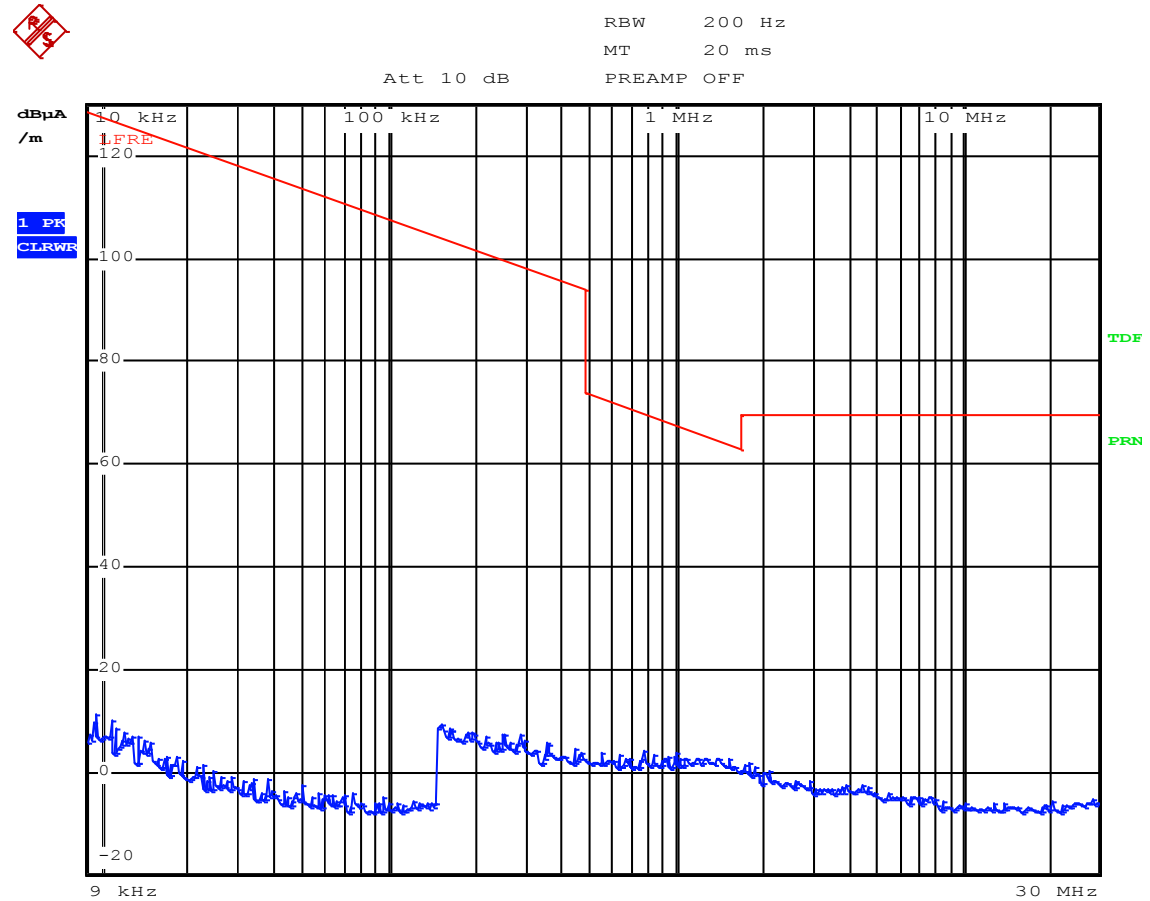
Date: 26.SEP.2014 20:36:00

Low channel, Z Axis



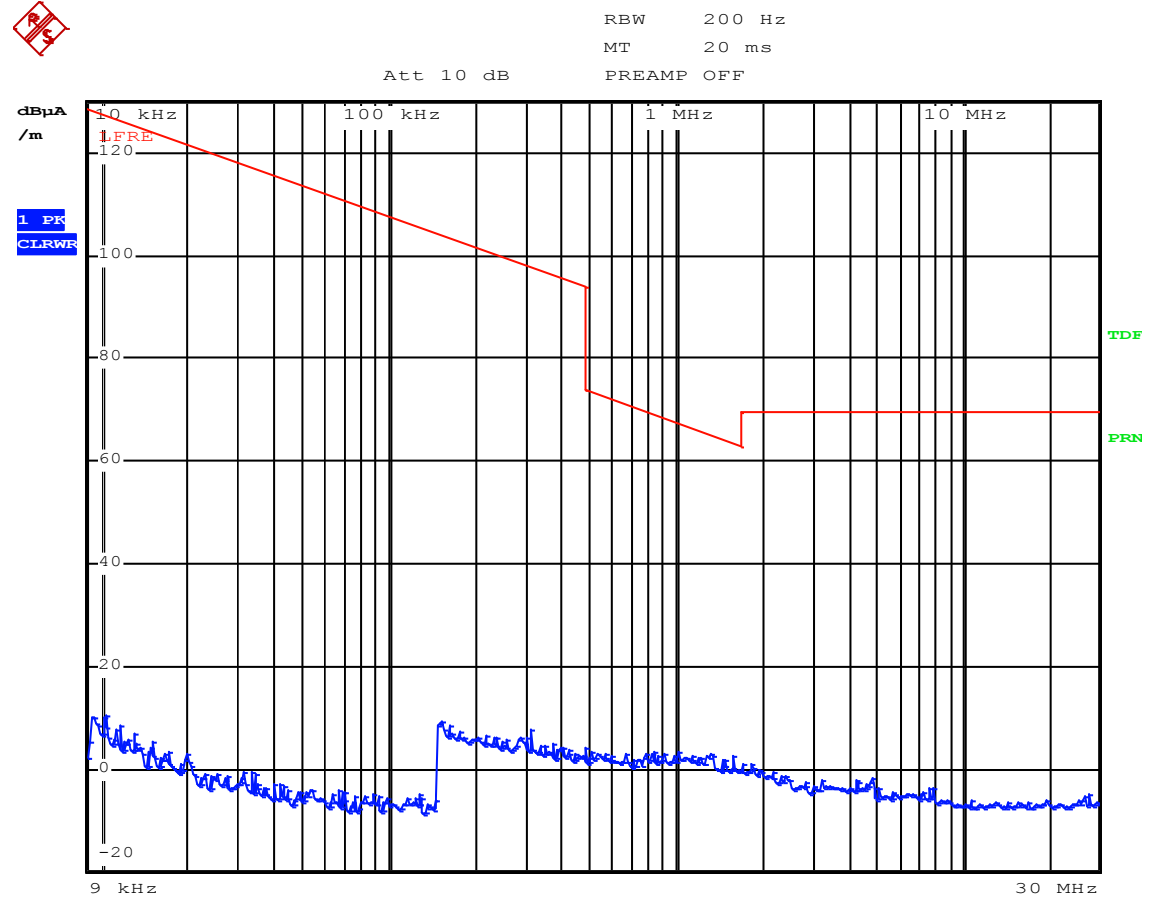
Date: 26.SEP.2014 20:38:59

Middle channel, X Axis



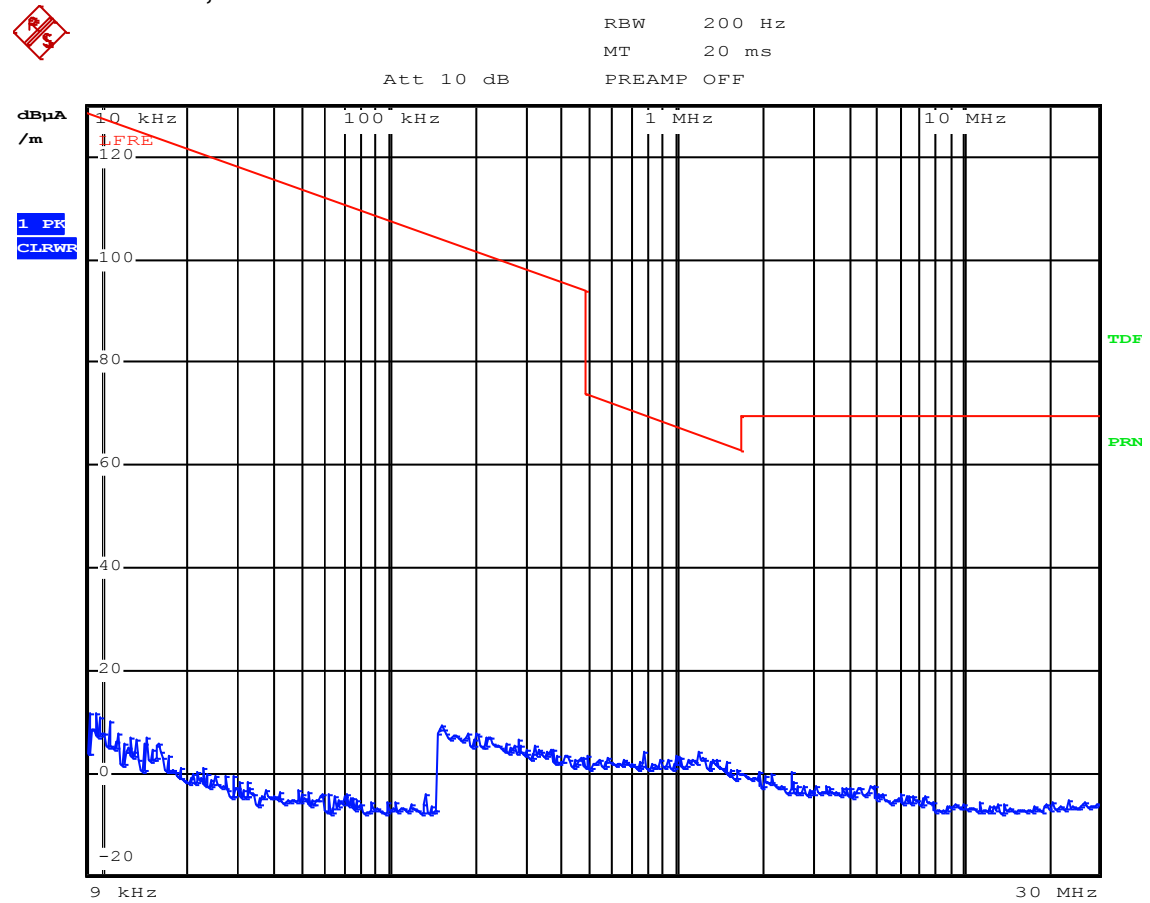
Date: 26.SEP.2014 20:45:20

Middle channel, Y Axis



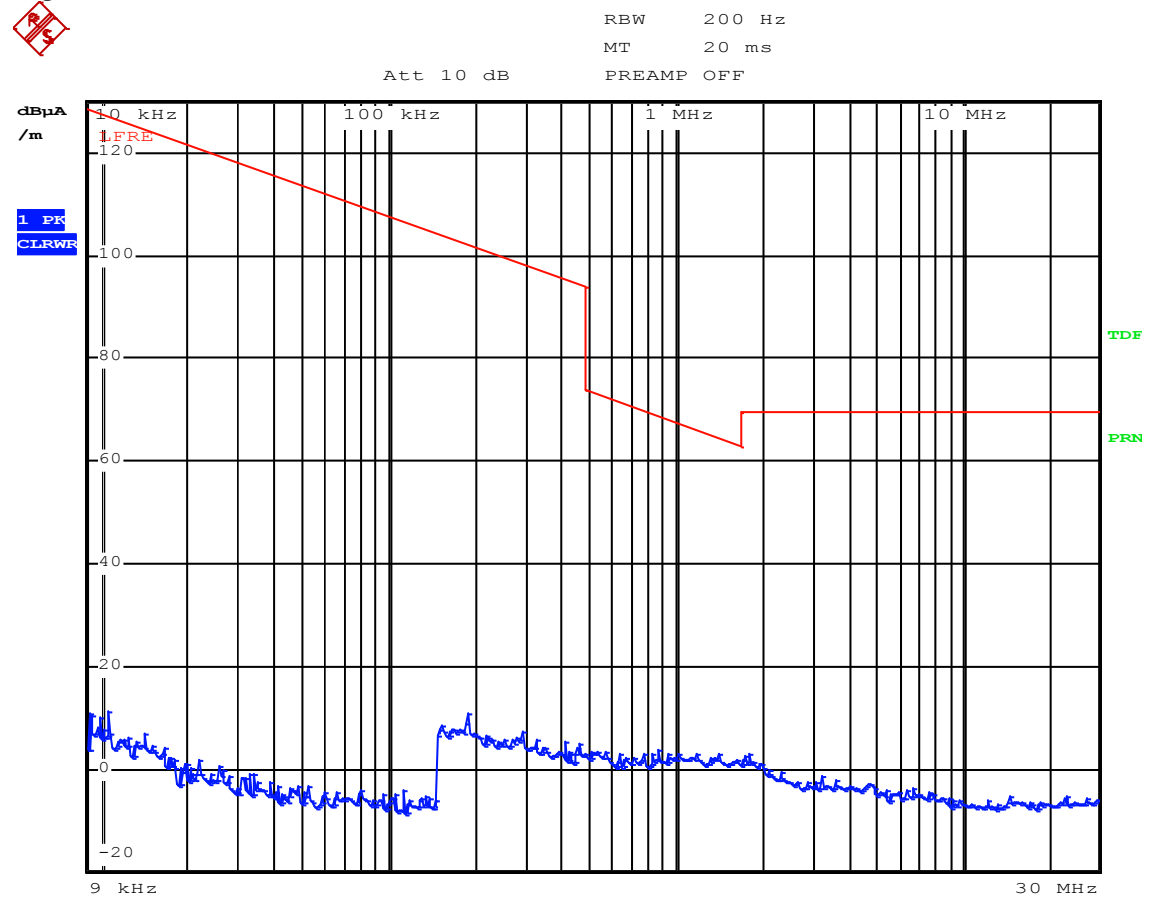
Date: 26.SEP.2014 20:48:45

Middle channel, Z Axis



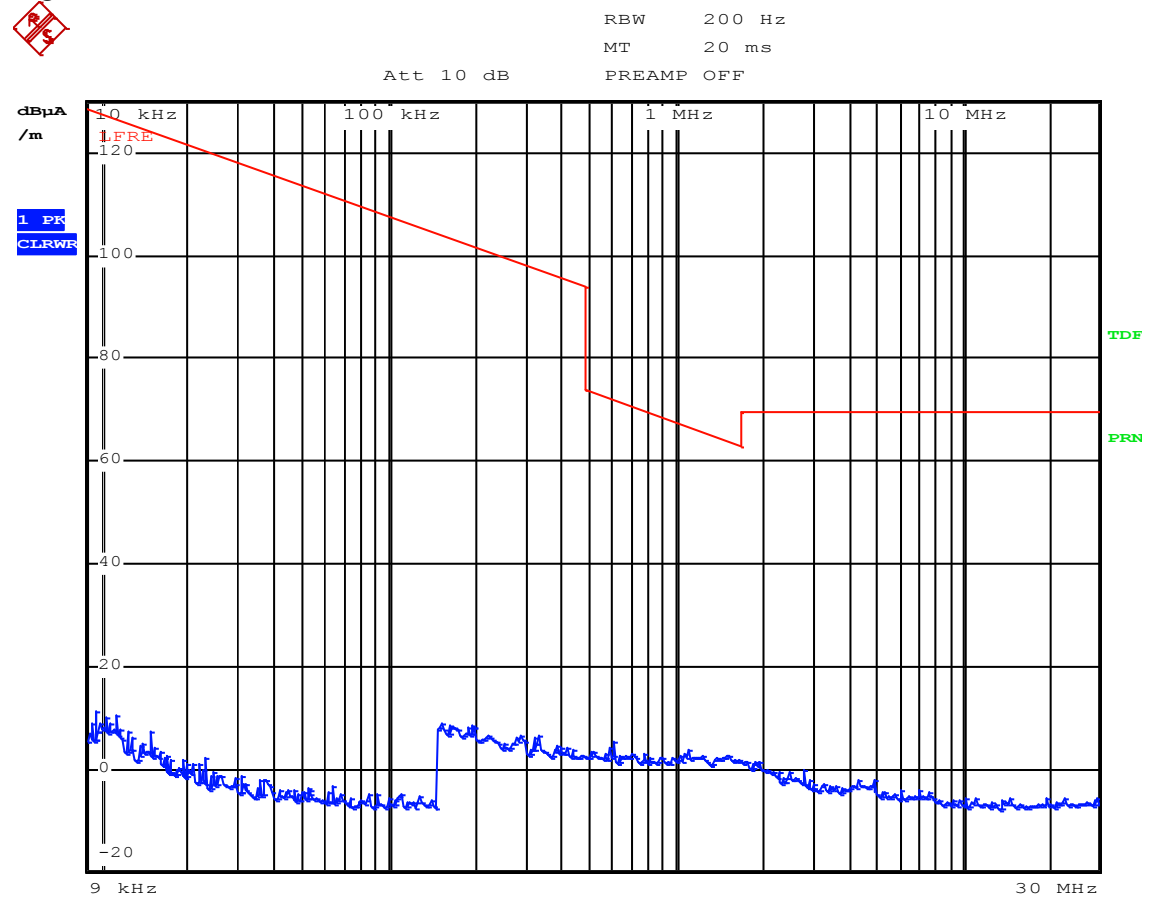
Date: 26.SEP.2014 20:51:49

High channel, X Axis



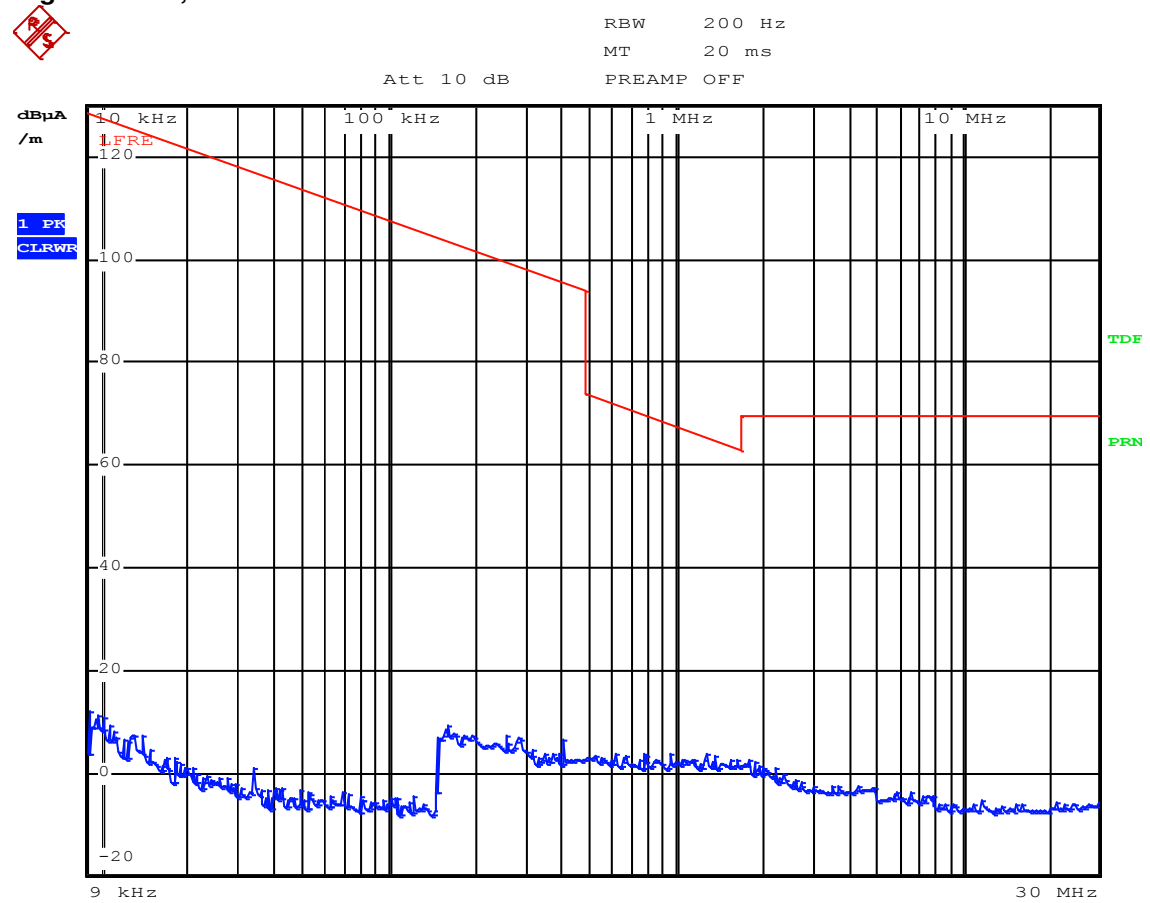
Date: 26.SEP.2014 20:32:49

High channel, Y Axis



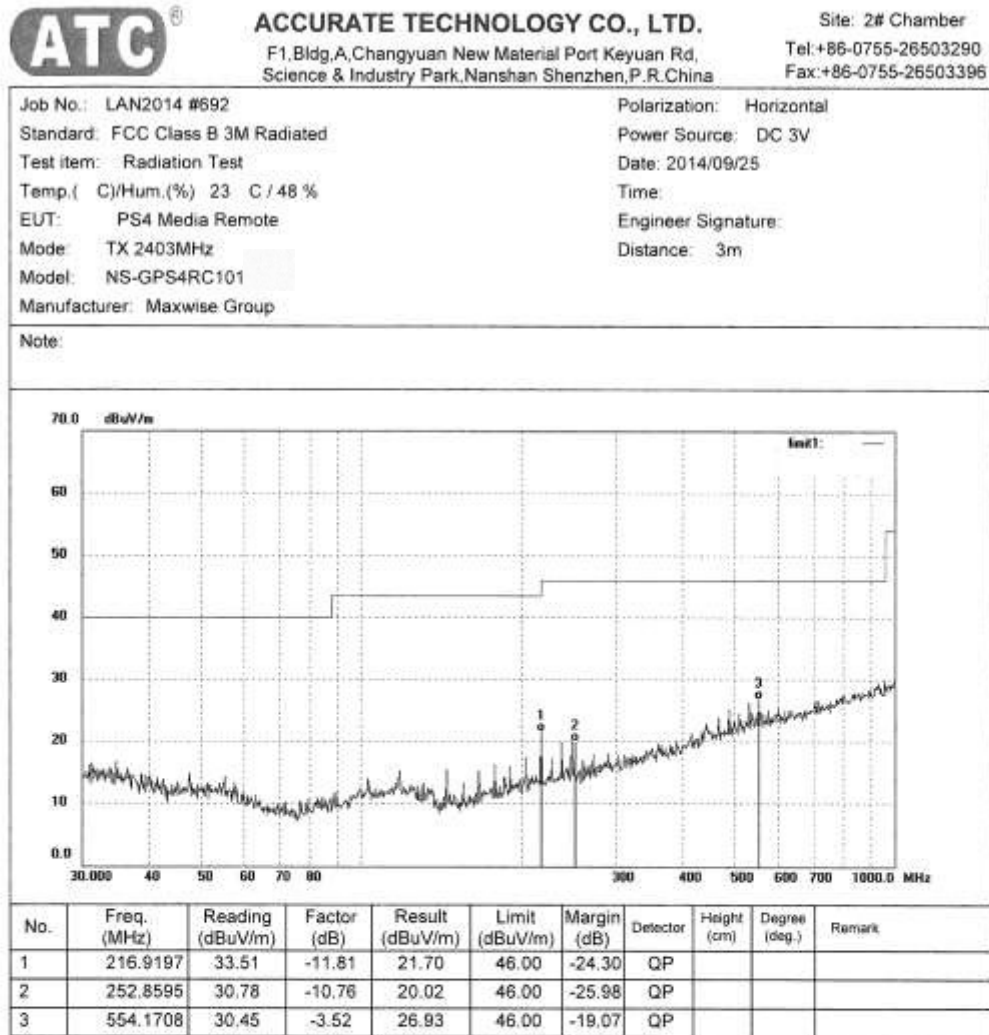
Date: 26.SEP.2014 20:26:05

High channel, Z Axis



Date: 26.SEP.2014 20:29:49

2 Test figures of radiated spurious emission outside band of Remote, 30MHz-1GHz





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.: LAN2014 #693

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2403MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Vertical

Power Source: DC 3V

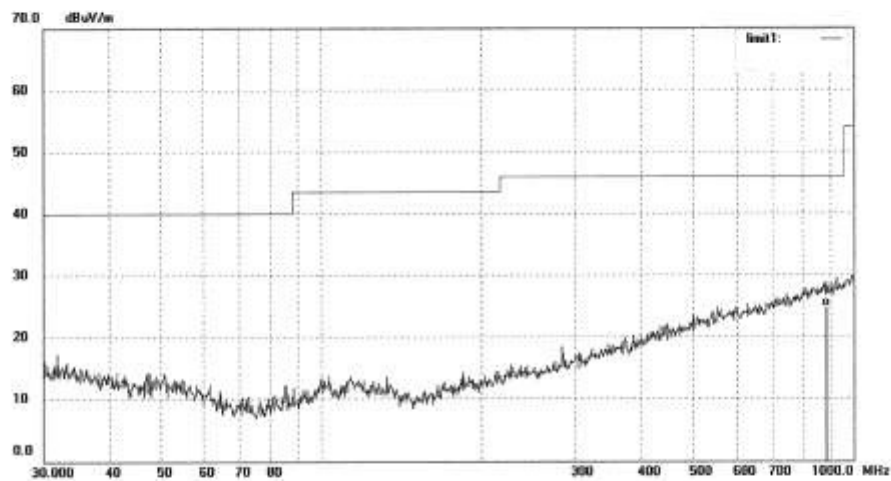
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	887.3978	23.57	1.23	24.80	46.00	-21.20	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #694

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2444MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Vertical

Power Source: DC 3V

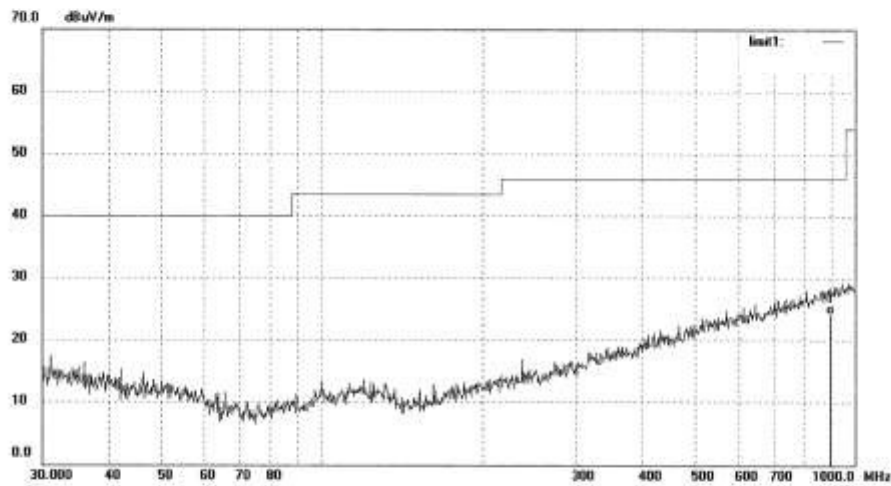
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	899.9577	22.97	1.28	24.25	46.00	-21.75	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

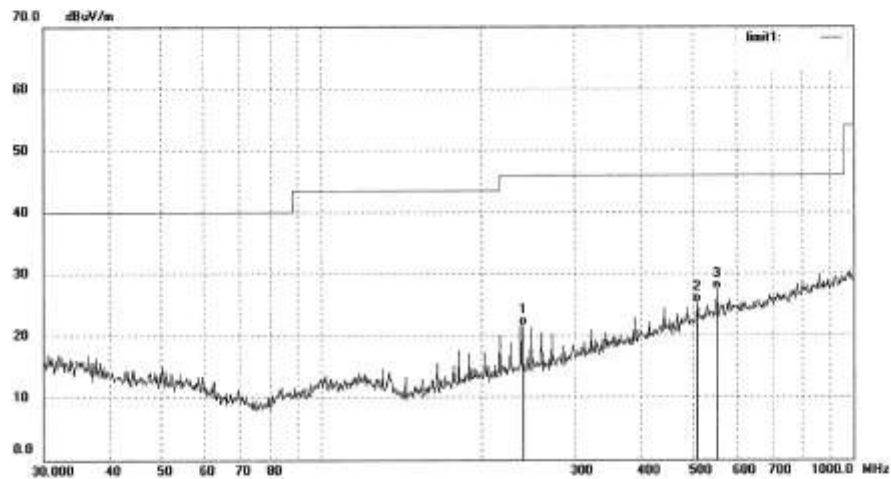
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #695
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2444MHz
Model: NS-GPS4RC101
Manufacturer: Maxwise Group

Polarization: Horizontal
Power Source: DC 3V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	239.9763	32.54	-10.84	21.70	46.00	-24.30	QP			
2	510.3559	29.77	-4.53	25.24	46.00	-20.76	QP			
3	556.1708	30.91	-3.49	27.42	46.00	-18.58	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #696

Standard: FCC Class B 3M Radiated

Test Item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2480MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Horizontal

Power Source: DC 3V

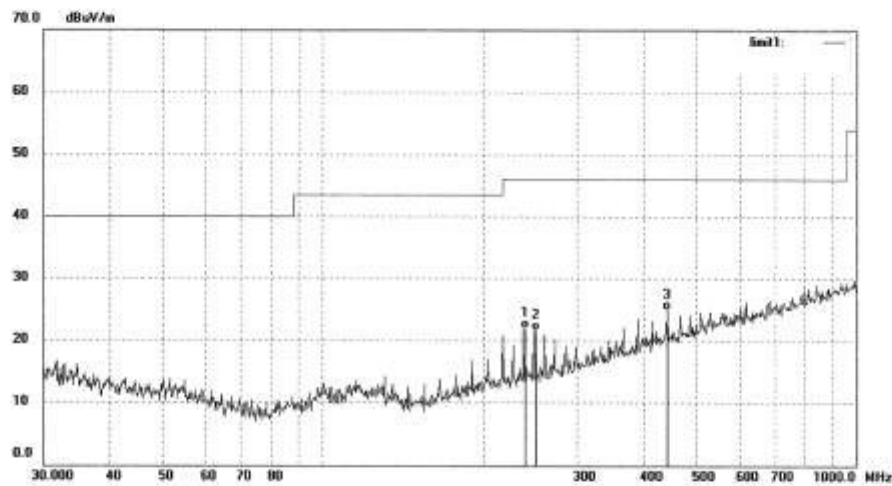
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	239.9310	32.83	-10.85	21.98	46.00	-24.02	QP			
2	251.9380	32.36	-10.77	21.59	46.00	-24.41	QP			
3	443.9547	30.83	-5.86	24.97	46.00	-21.03	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

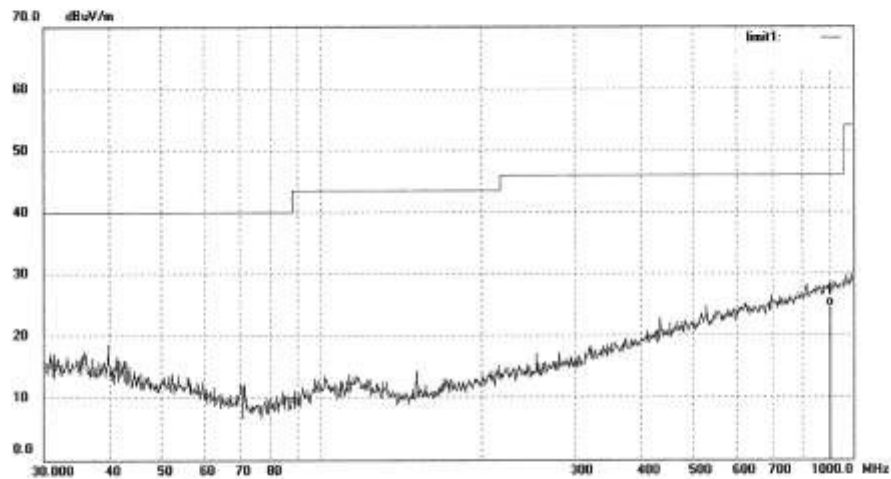
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #897
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2480MHz
Model: NS-GPS4RC101-C
Manufacturer: Maxwise Group

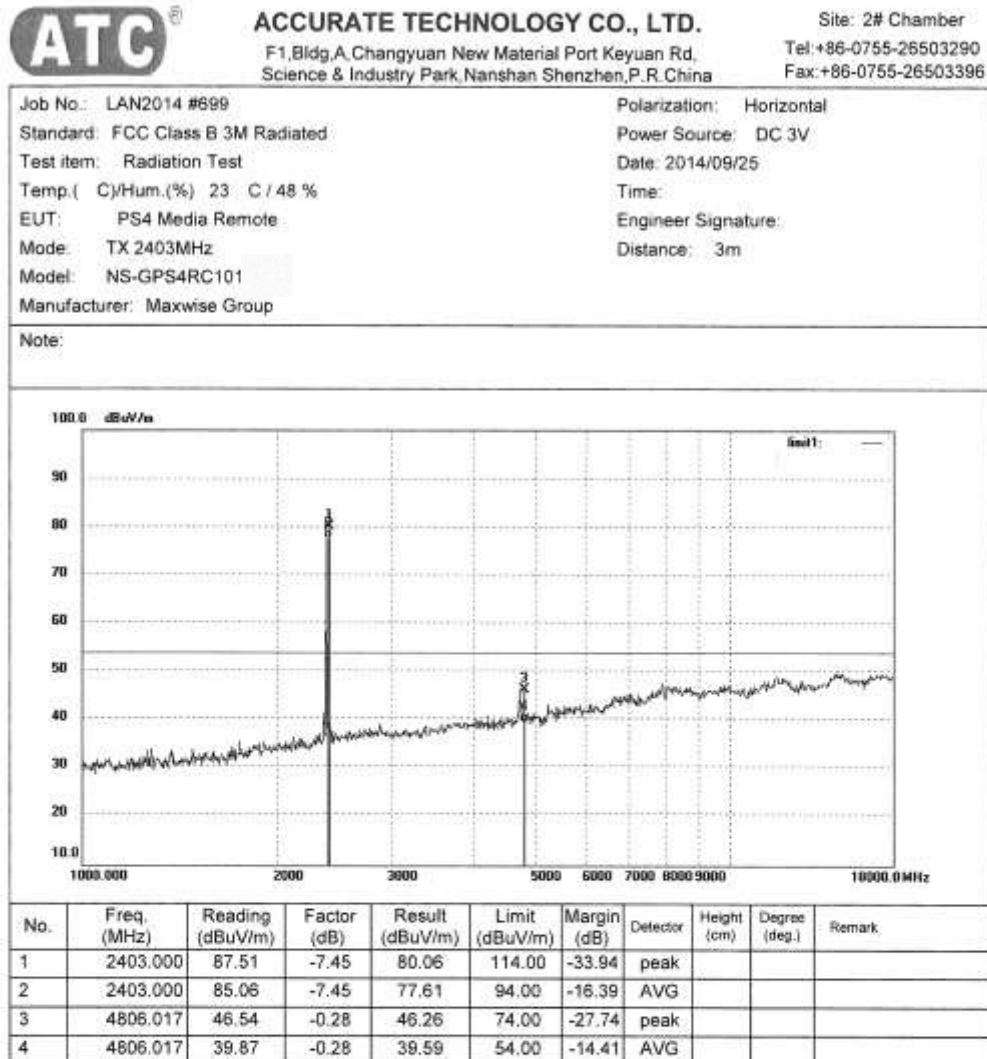
Polarization: Vertical
Power Source: DC 3V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	903.1253	23.22	1.30	24.52	46.00	-21.48	QP			

3 Test figures of radiated spurious emission outside band of Remote, 1GHz-18GHz





ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

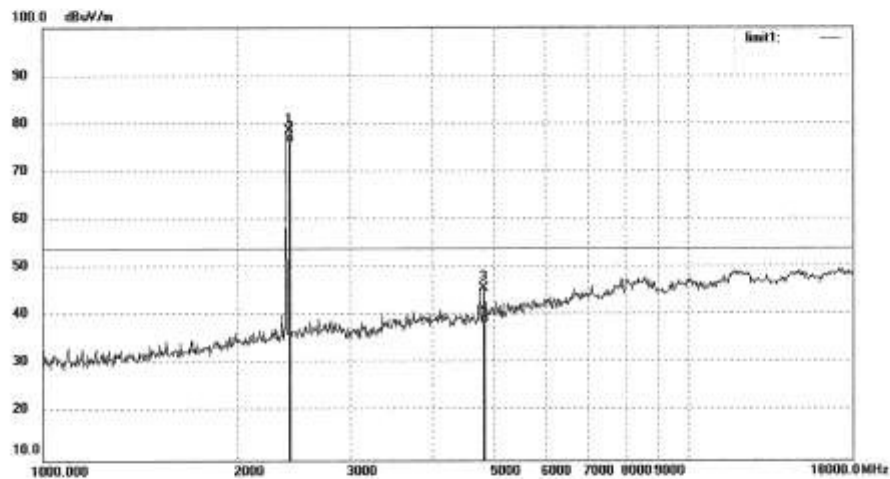
Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: LAN2014 #700
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2403MHz
Model: NS-GPS4RC101
Manufacturer: Maxwise Group

Polarization: Vertical
Power Source: DC 3V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2403.000	85.95	-7.45	78.50	114.00	-35.50	peak			
2	2403.000	83.50	-7.45	76.05	94.00	-17.95	AVG			
3	4806.025	45.95	-0.28	45.67	74.00	-28.33	peak			
4	4806.025	38.57	-0.28	38.29	54.00	-15.71	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #706

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2444MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Vertical

Power Source: DC 3V

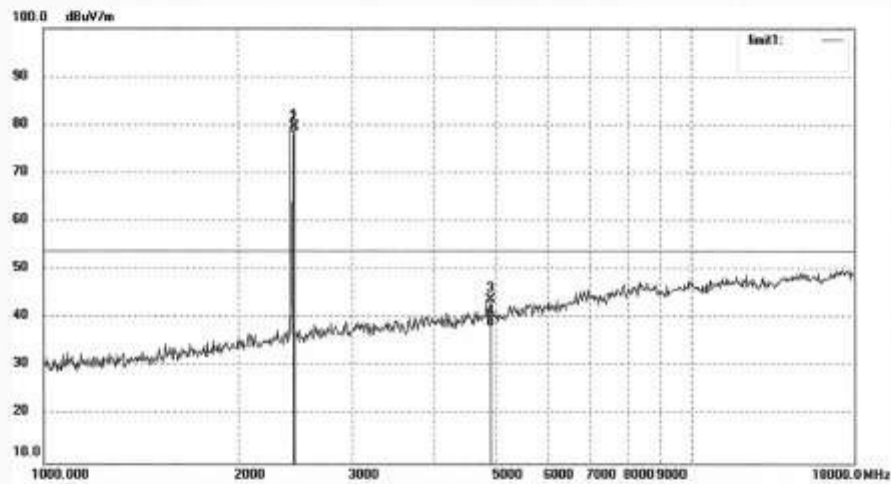
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2444.000	87.08	-7.35	79.73	114.00	-34.27	peak			
2	2444.000	85.68	-7.35	78.33	94.00	-15.67	AVG			
3	4888.020	43.69	0.17	43.86	74.00	-30.14	peak			
4	4888.020	37.97	0.17	38.14	54.00	-15.86	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: LAN2014 #707

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2444MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Horizontal

Power Source: DC 3V

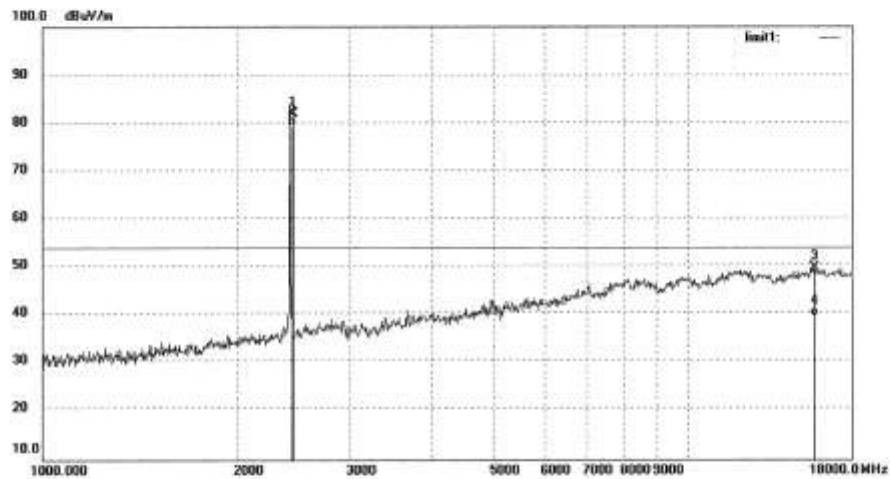
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2444.000	89.18	-7.35	81.83	114.00	-32.17	peak			
2	2444.000	86.87	-7.35	79.52	94.00	-14.48	AVG			
3	15744.284	9.64	40.05	49.69	74.00	-24.31	peak			
4	15744.284	-0.56	40.05	39.49	54.00	-14.51	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #708

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2480MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Vertical

Power Source: DC 3V

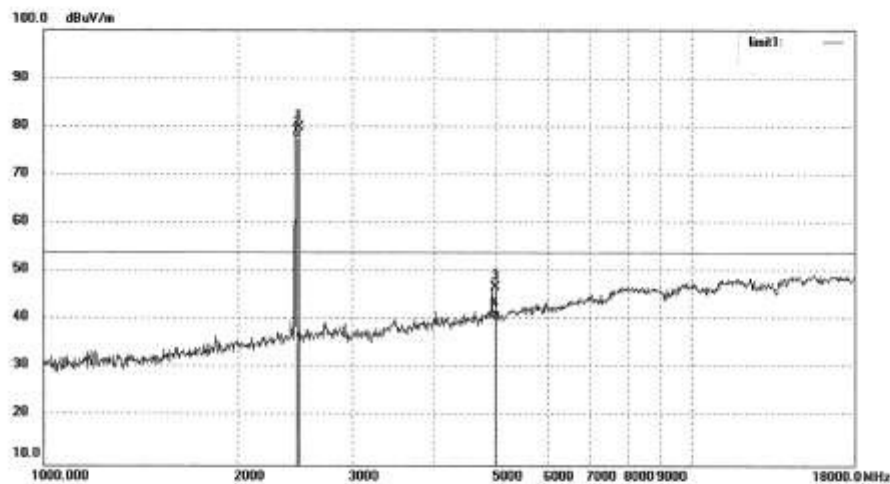
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	87.31	-7.37	79.94	114.00	-34.06	peak			
2	2480.000	84.93	-7.37	77.56	94.00	-16.44	AVG			
3	4960.270	46.37	0.52	46.89	74.00	-27.11	peak			
4	4960.270	39.68	0.52	40.20	54.00	-13.80	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

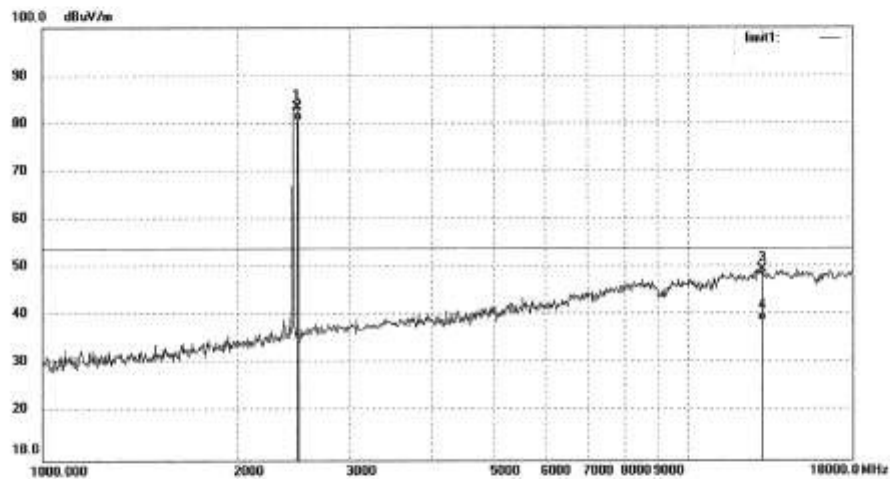
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #709
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2480MHz
Model: NS-GPS4RC101-C
Manufacturer: Maxwise Group

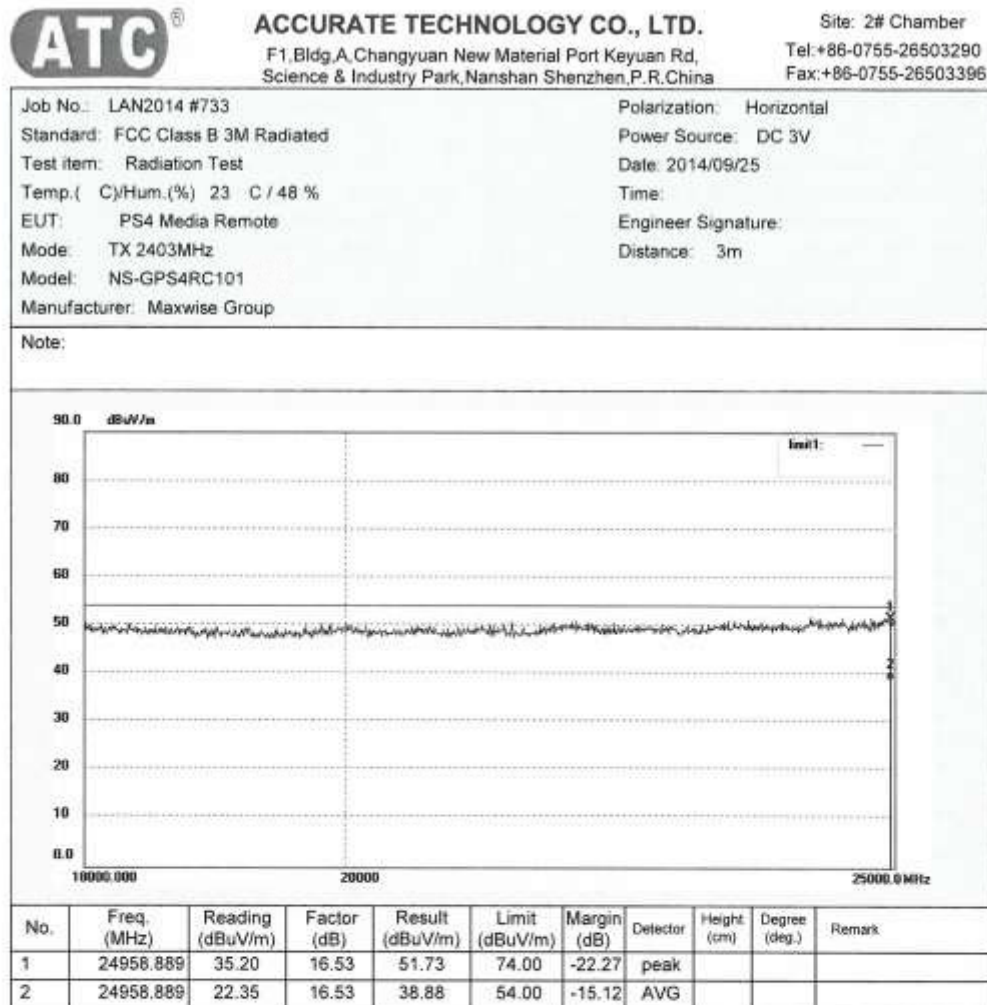
Polarization: Horizontal
Power Source: DC 3V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	90.76	-7.37	83.39	114.00	-30.61	peak			
2	2480.000	87.98	-7.37	80.61	94.00	-13.39	AVG			
3	13030.319	10.51	39.04	49.55	74.00	-24.45	peak			
4	13030.319	-0.35	39.04	38.69	54.00	-15.31	AVG			

4 Test figures of radiated spurious emission outside band of Remote, 18GHz-25GHz





ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

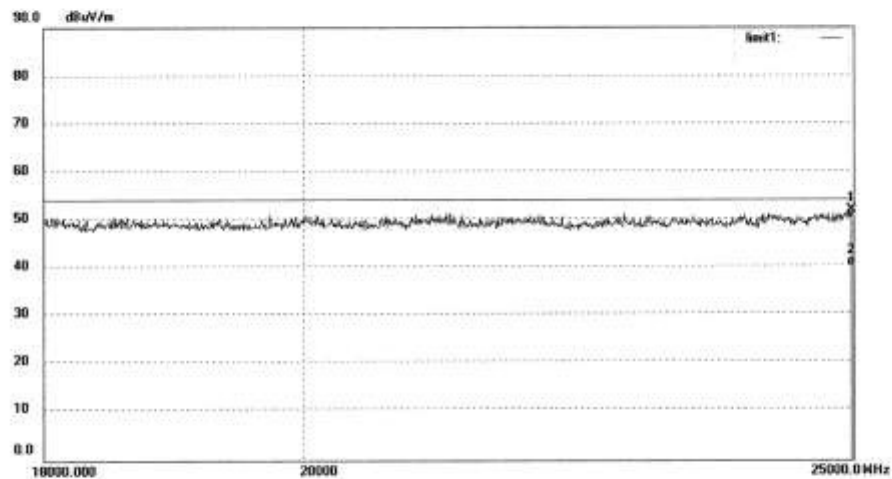
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #734
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2403MHz
Model: NS-GPS4RC101
Manufacturer: Maxwise Group

Polarization: Vertical
Power Source: DC 3V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24983.547	33.88	17.88	51.76	74.00	-22.24	peak			
2	24983.547	22.36	17.88	40.24	54.00	-13.76	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #735

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2444MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Vertical

Power Source: DC 3V

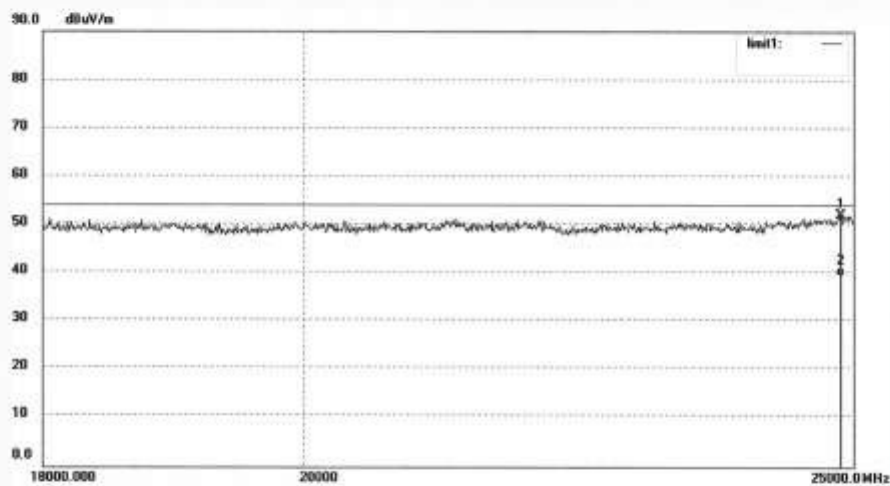
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24876.868	34.30	17.73	52.03	74.00	-21.97	peak			
2	24876.868	21.84	17.73	39.57	54.00	-14.43	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: LAN2014 #736

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2444MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Horizontal

Power Source: DC 3V

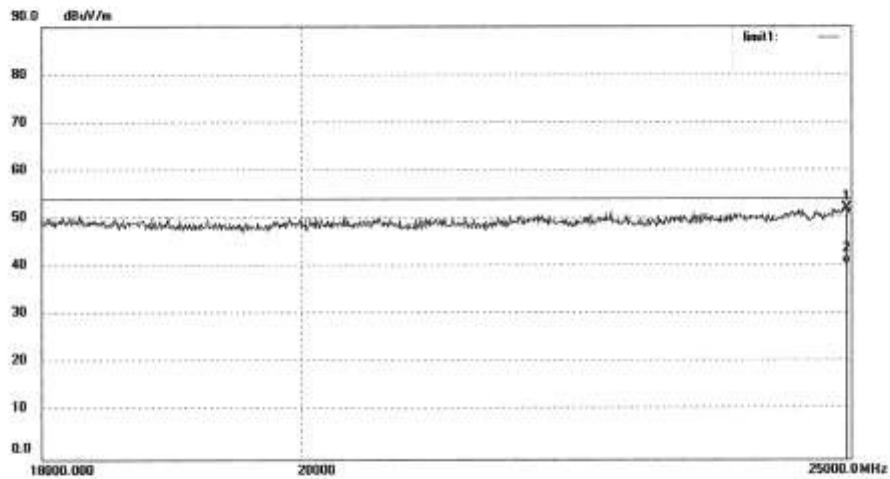
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24958.889	35.64	16.53	52.17	74.00	-21.83	peak			
2	24958.889	23.86	16.53	40.39	54.00	-13.61	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #737

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3V

Test item: Radiation Test

Date: 2014/09/25

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

Time:

EUT: PS4 Media Remote

Engineer Signature:

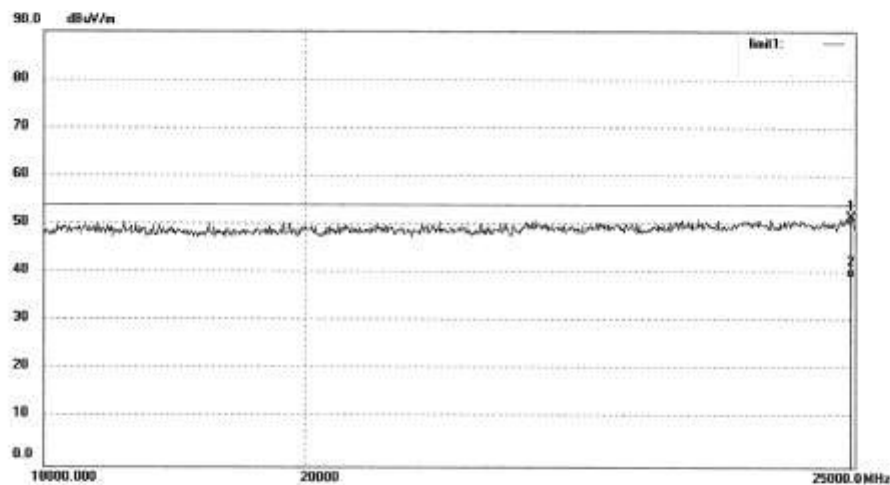
Mode: TX 2480MHz

Distance: 3m

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24967.105	35.04	16.52	51.56	74.00	-22.44	peak			
2	24967.105	22.75	16.52	39.27	54.00	-14.73	AVG			



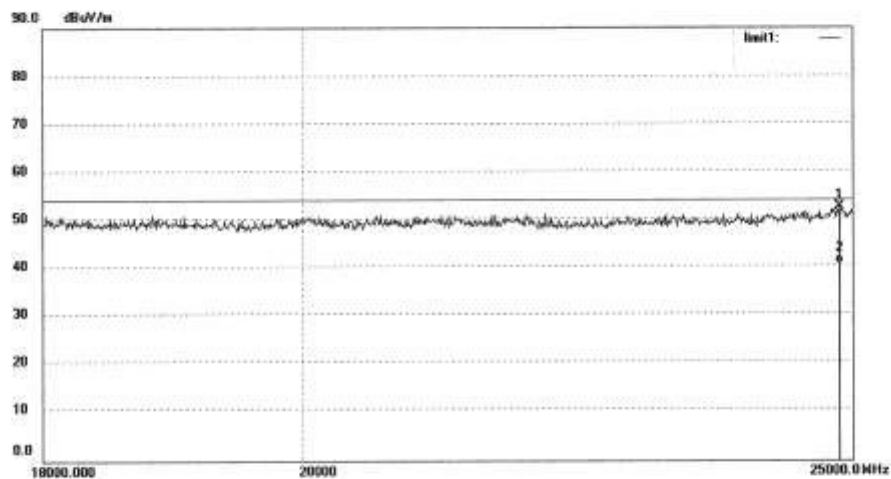
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LAN2014 #738
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2480MHz
Model: NS-GPS4RC101-C
Manufacturer: Maxwise Group

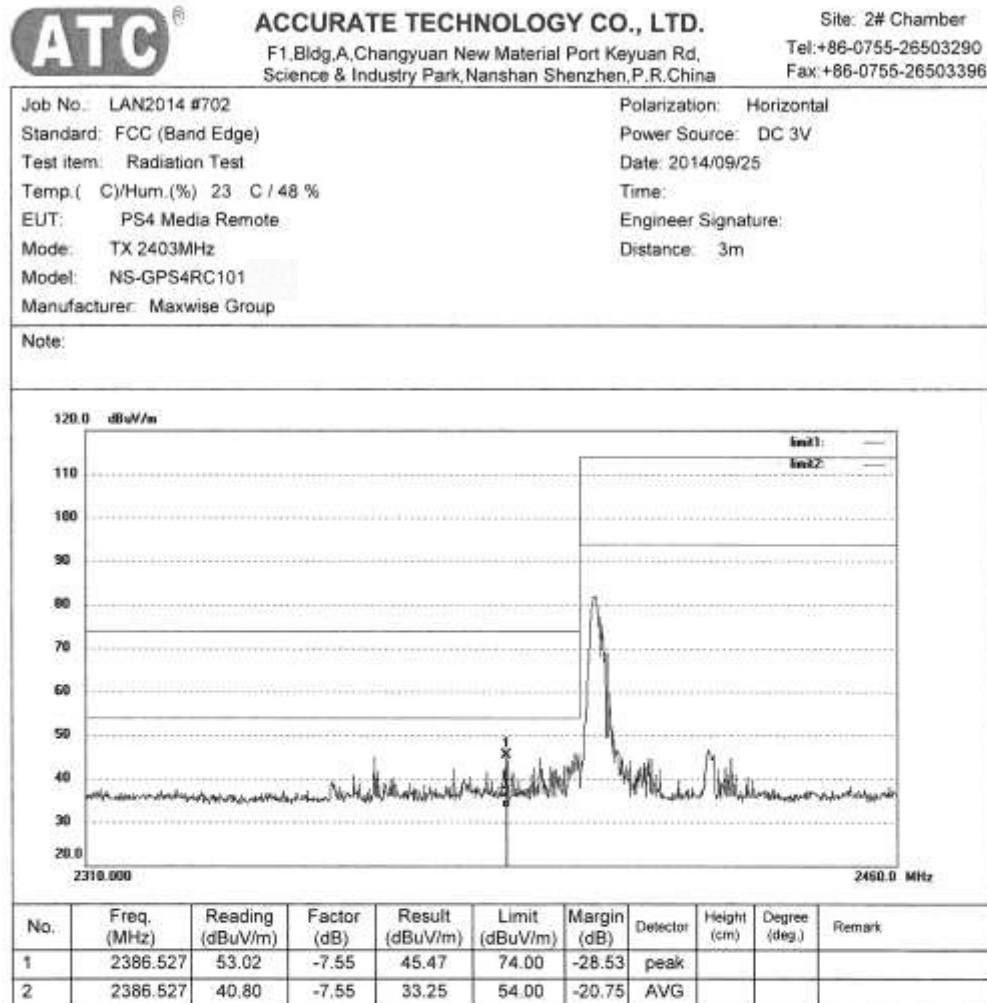
Polarization: Vertical
Power Source: DC 3V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24876.868	34.76	17.73	52.49	74.00	-21.51	peak			
2	24876.868	22.88	17.73	40.61	54.00	-13.39	AVG			

5 Test figures of radiated spurious emission of remote, band edge, 30MHz-1GHz





ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

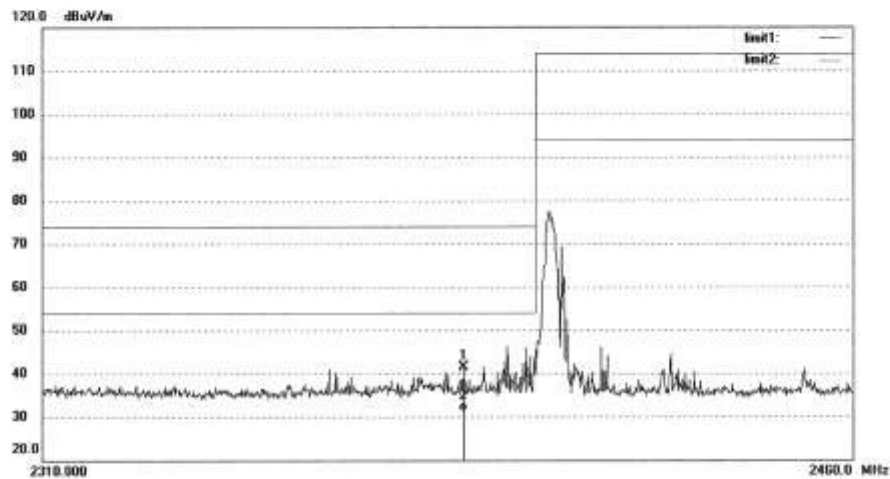
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #705
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2403MHz
Model: NS-GPS4RC101
Manufacturer: Maxwise Group

Polarization: Vertical
Power Source: DC 3V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2386.677	49.02	-7.54	41.48	74.00	-32.52	peak			
2	2386.677	38.57	-7.54	31.03	54.00	-22.97	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #711

Standard: FCC (Band Edge)

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2480MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Horizontal

Power Source: DC 3V

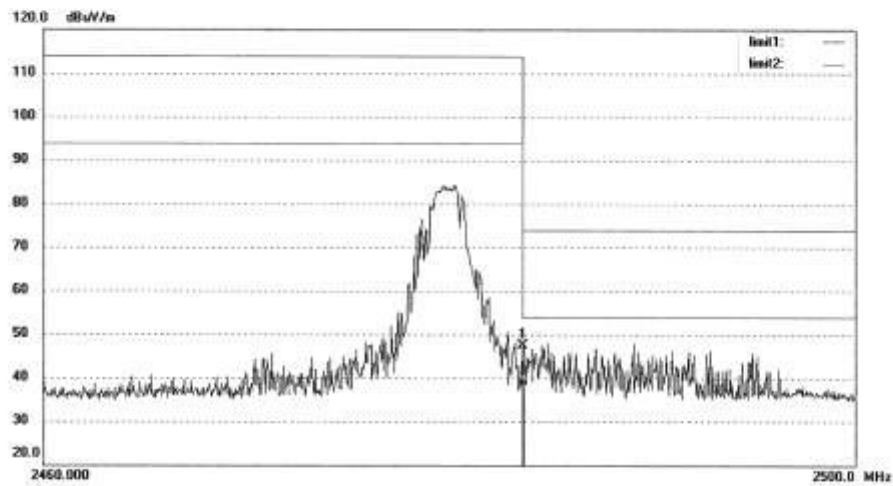
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	54.76	-7.37	47.39	74.00	-26.61	peak			
2	2483.500	45.38	-7.37	37.99	54.00	-16.01	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

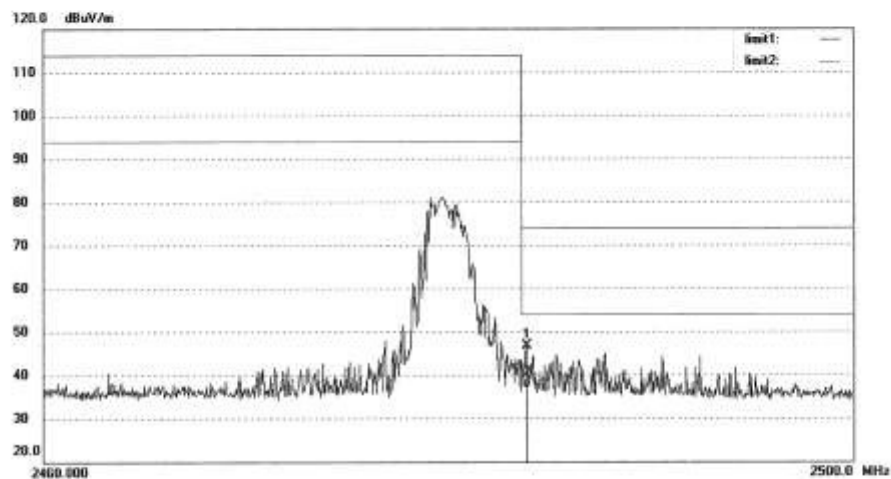
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #712
Standard: FCC (Band Edge)
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2480MHz
Model: NS-GPS4RC101
Manufacturer: Maxwise Group

Polarization: Vertical
Power Source: DC 3V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.770	54.11	-7.38	46.73	74.00	-27.27	peak			
2	2483.770	44.25	-7.38	36.87	54.00	-17.13	AVG			

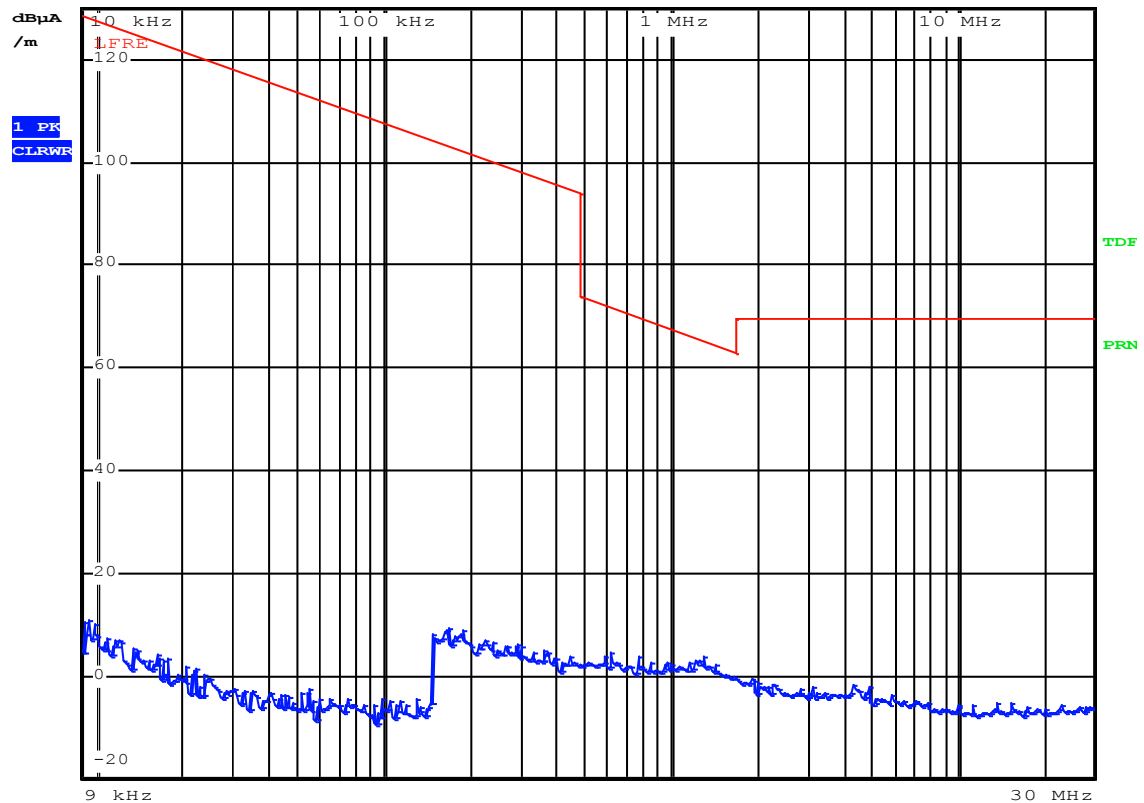
6 Test figures of radiated spurious emission outside band of Dongle, 9 KHz-30MHz

Low channel, X direction



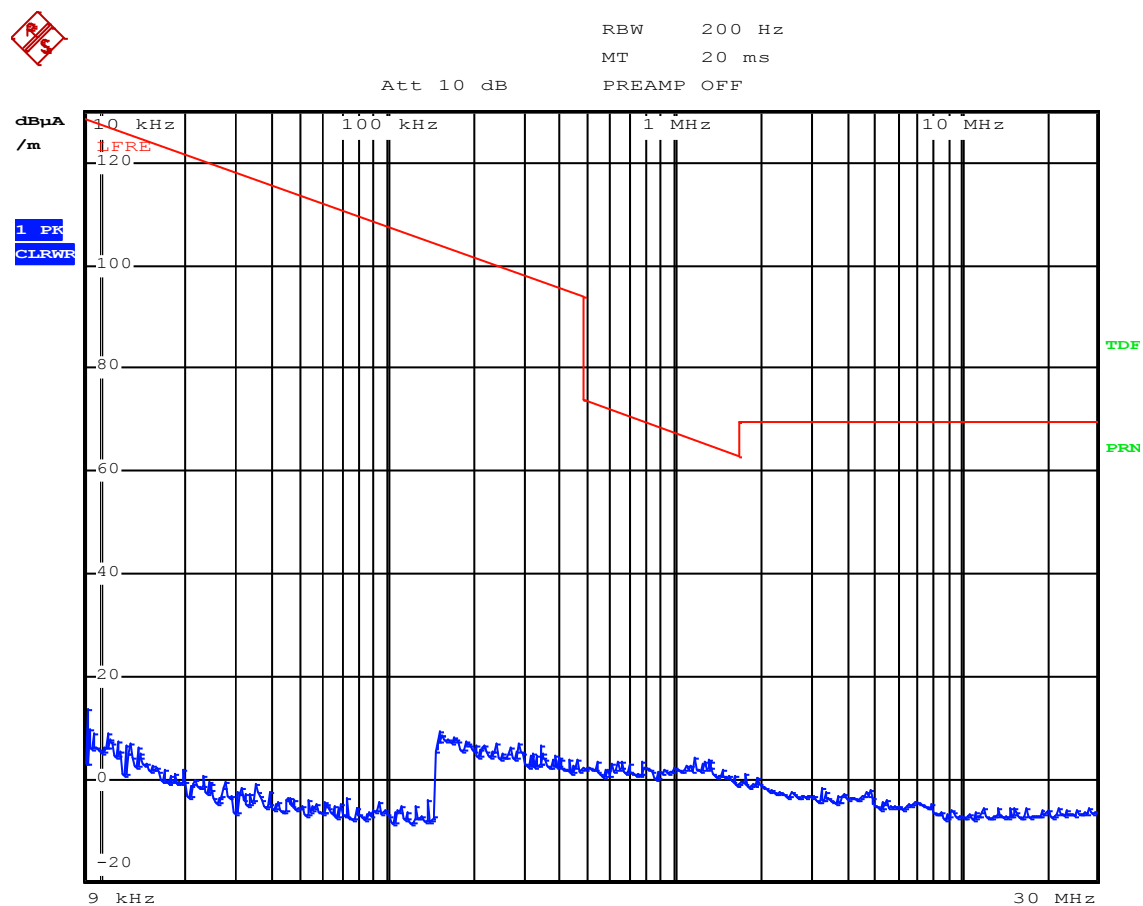
RBW 9 kHz
MT 20 ms
PREAMP OFF

Att 10 dB



Date: 26.SEP.2014 21:01:39

Low channel, Y direction



Date: 26.SEP.2014 20:54:49

Low channel, Z direction

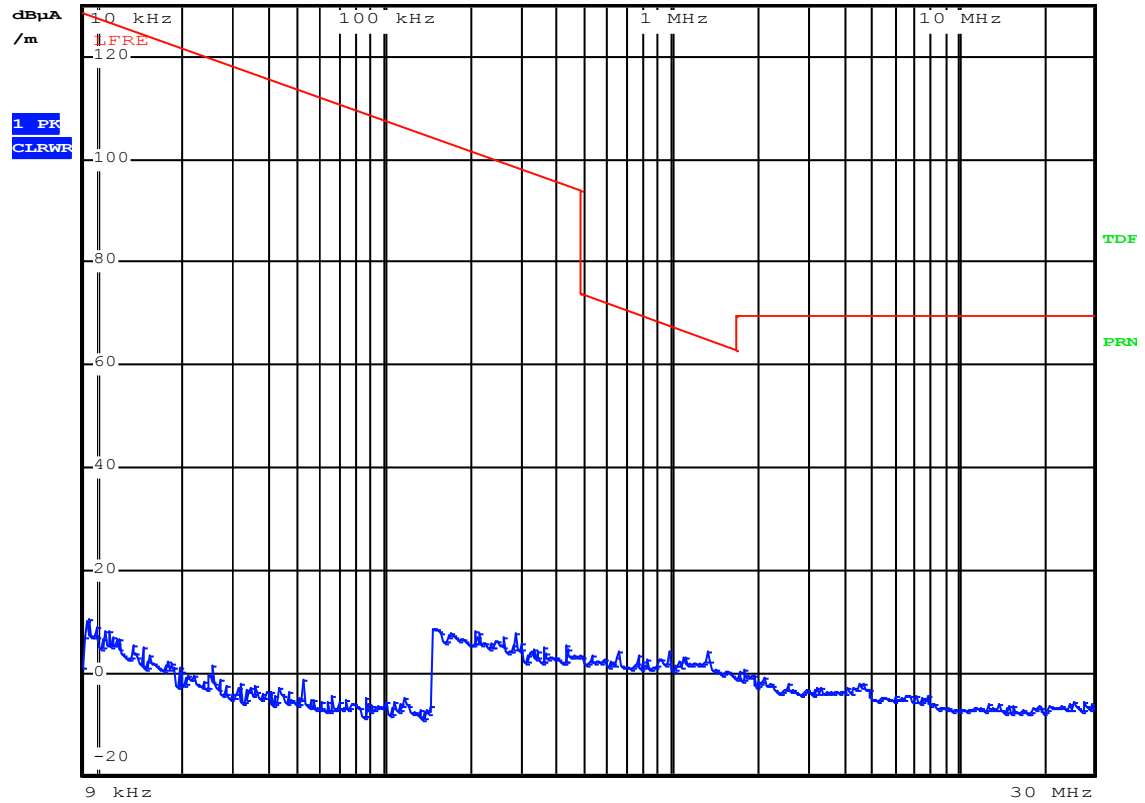


RBW 200 Hz

MT 20 ms

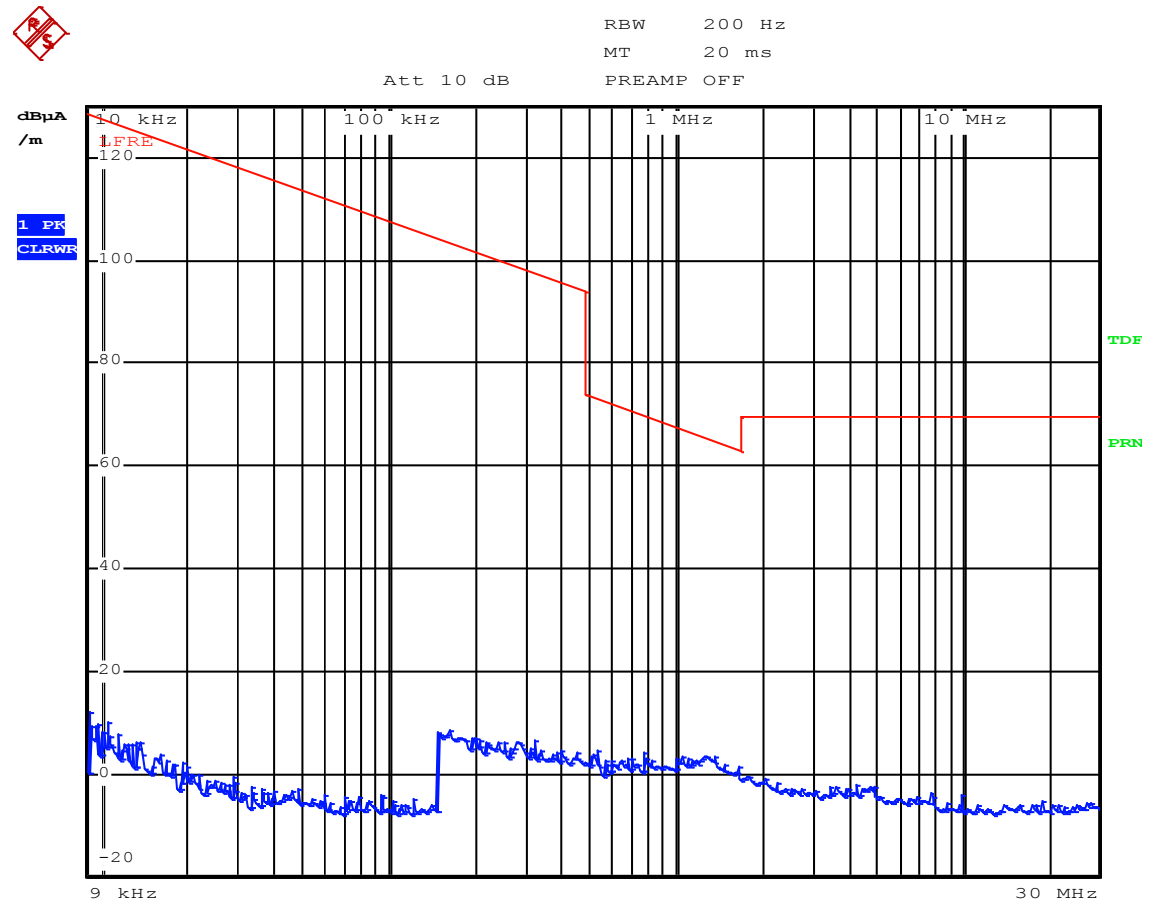
Att 10 dB

PREAMP OFF



Date: 26.SEP.2014 20:58:41

Middle channel, X direction



Date: 26.SEP.2014 21:10:47

Middle channel, Y direction

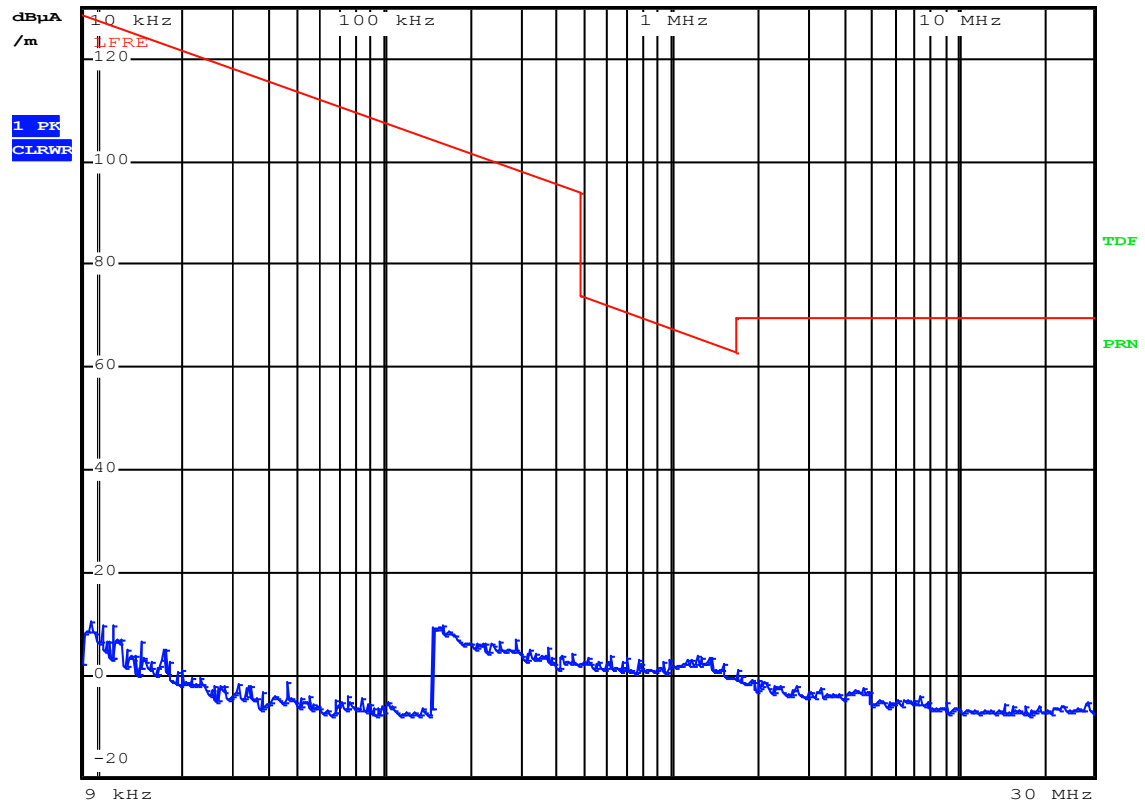


RBW 200 Hz

MT 20 ms

PREAMP OFF

Att 10 dB



Date: 26.SEP.2014 21:04:40

Middle channel, Z direction

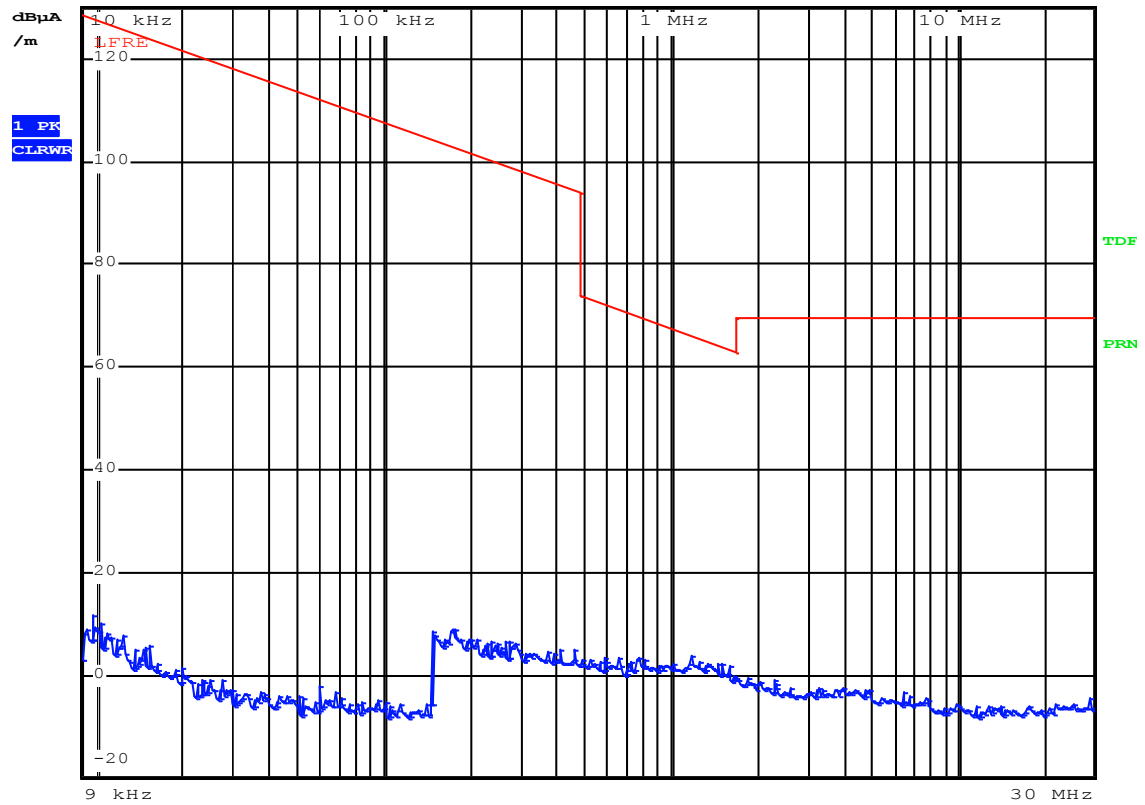


RBW 200 Hz

MT 20 ms

PREAMP OFF

Att 10 dB



Date: 26.SEP.2014 21:07:41

High channel, X direction

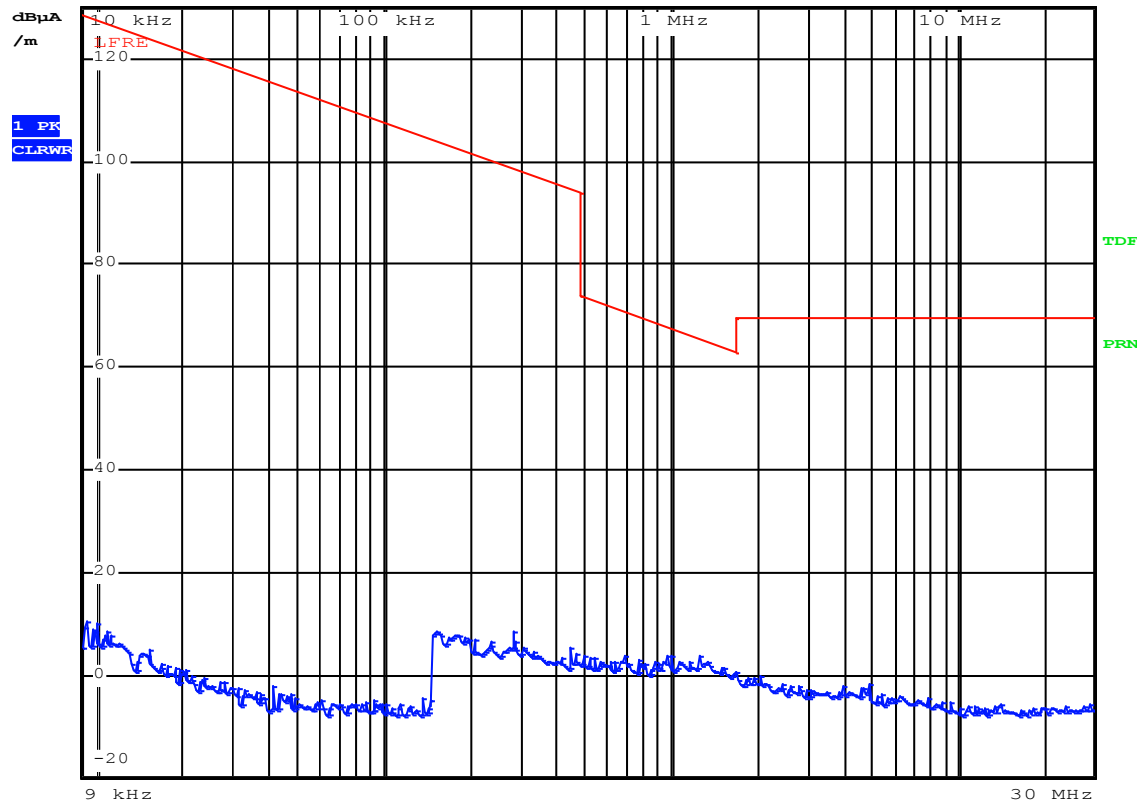


RBW 200 Hz

MT 20 ms

PREAMP OFF

Att 10 dB



Date: 26.SEP.2014 21:21:38

High channel, Y direction

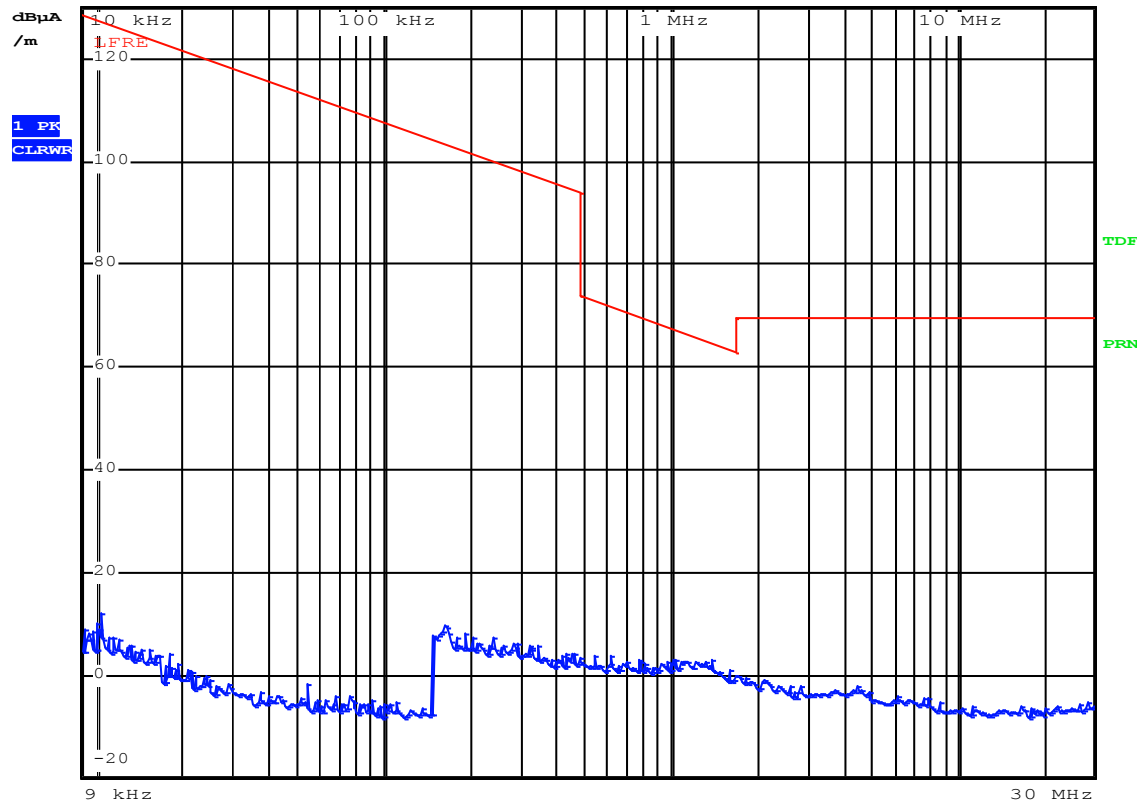


RBW 9 kHz

MT 10 ms

PREAMP OFF

Att 10 dB



Date: 26.SEP.2014 21:15:11

High channel, Z direction

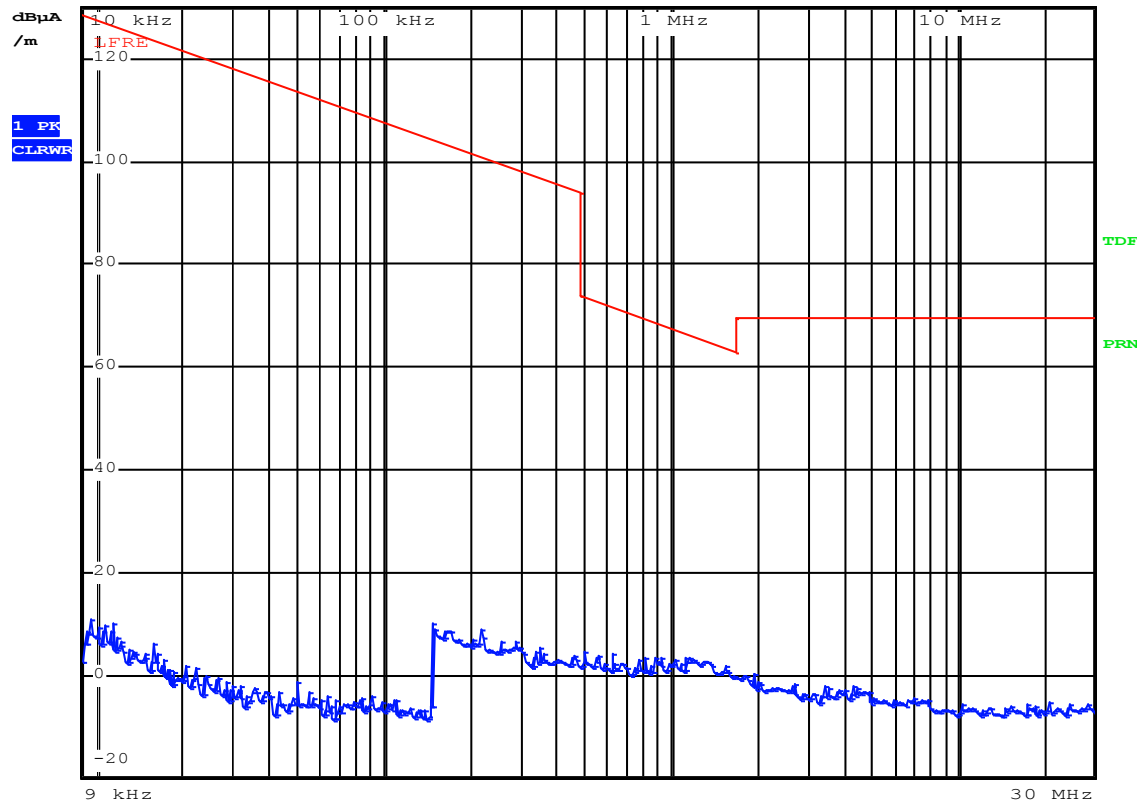


RBW 200 Hz

MT 20 ms

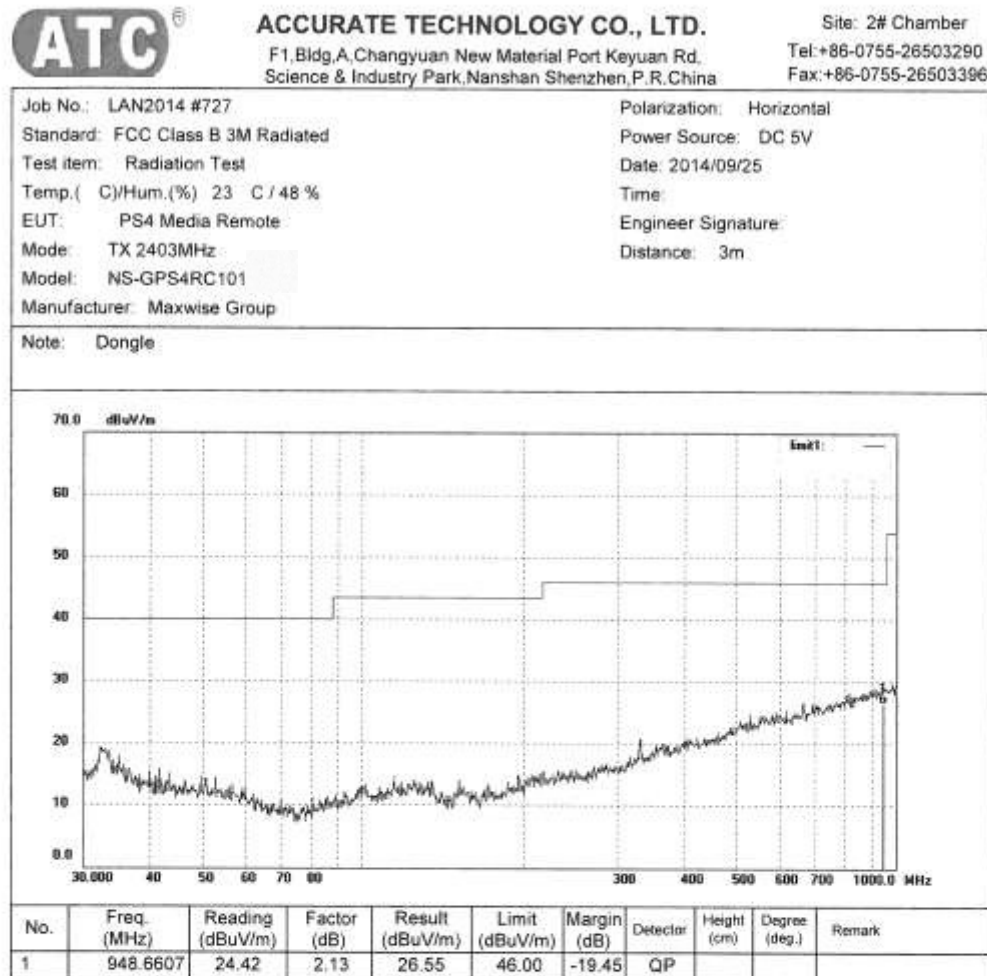
PREAMP OFF

Att 10 dB



Date: 26.SEP.2014 21:18:20

7 Test figures of radiated spurious emission outside band of Dongle, 30MHz-1GHz





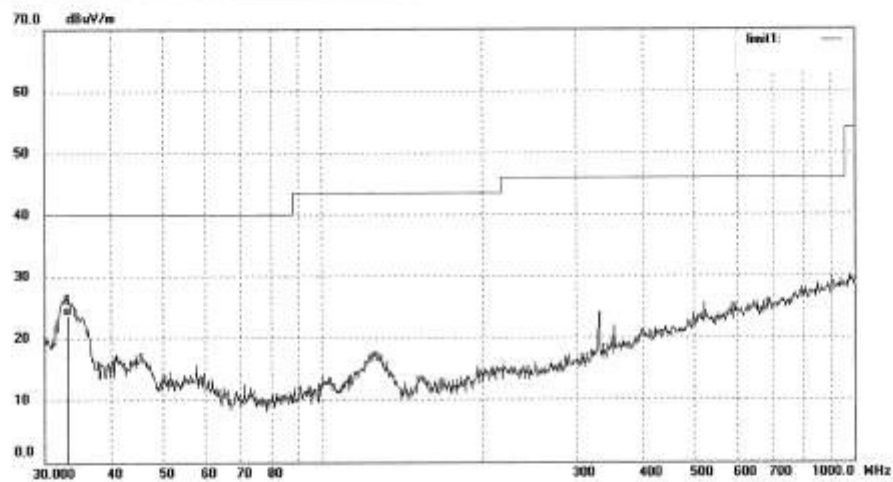
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LAN2014 #728
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2403MHz
Model: NS-GPS4RC101
Manufacturer: Maxwise Group

Polarization: Vertical
Power Source: DC 5V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.2180	33.98	-10.25	23.73	40.00	-16.27	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #729

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2444MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Horizontal

Power Source: DC 5V

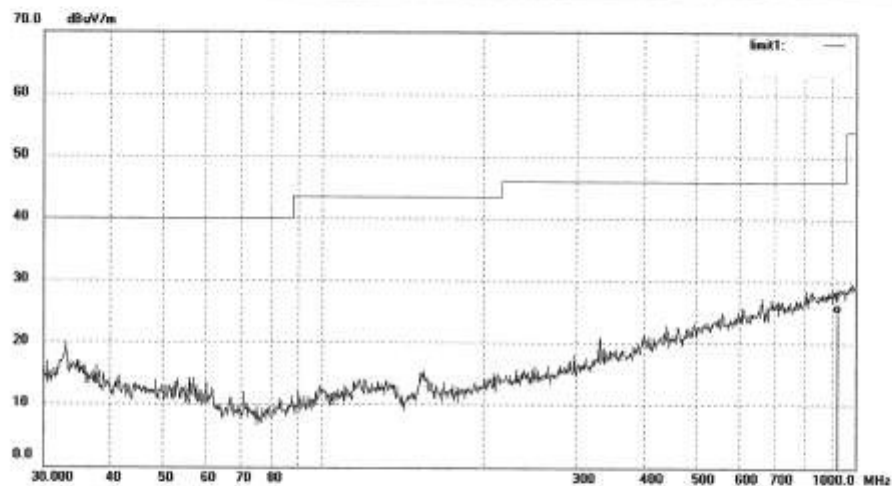
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	925.6132	23.13	1.73	24.86	46.00	-21.14	QP			



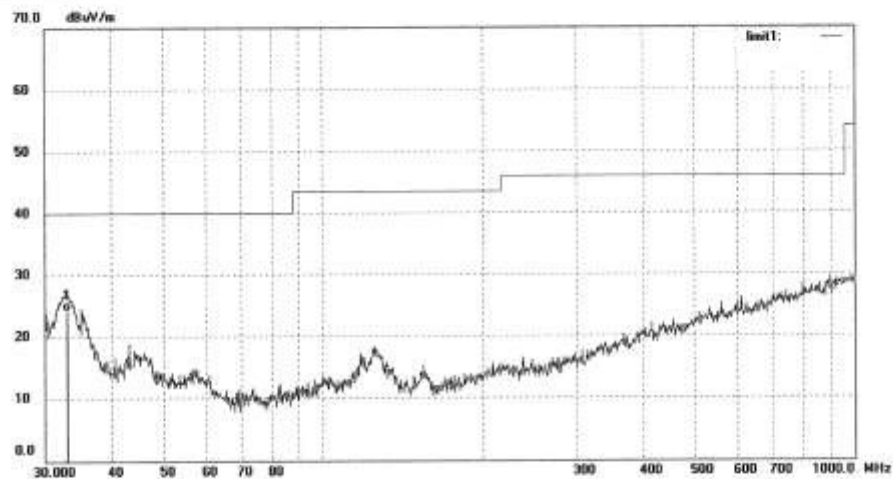
ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: LAN2014 #730
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2444MHz
Model: NS-GPS4RC101
Manufacturer: Maxwise Group

Polarization: Vertical
Power Source: DC 5V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.9853	34.46	-10.23	24.23	40.00	-15.77	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #731

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2480MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Vertical

Power Source: DC 5V

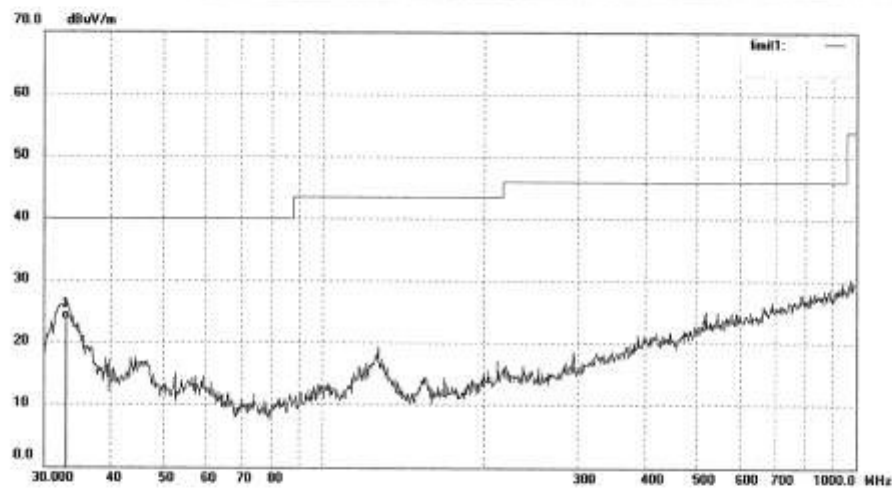
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.9853	33.75	-10.23	23.52	40.00	-16.48	QP			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

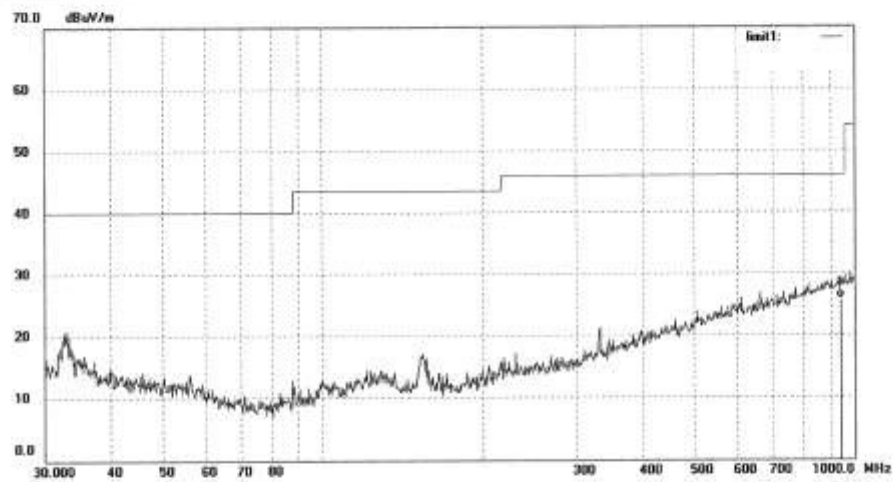
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #732
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2480MHz
Model: NS-GPS4RC101-C
Manufacturer: Maxwise Group

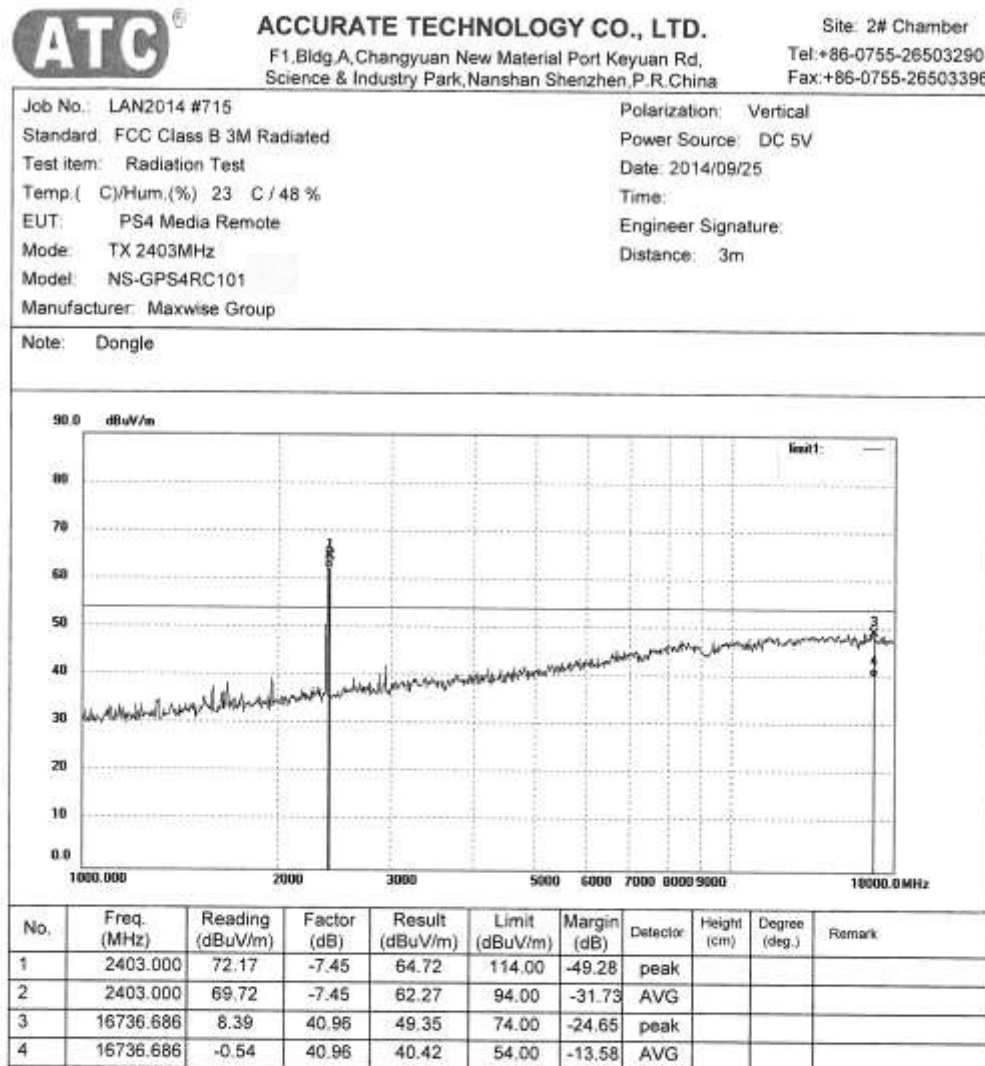
Polarization: Horizontal
Power Source: DC 5V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	942.0180	23.89	1.97	25.86	46.00	-20.14	QP			

8 Test figures of radiated spurious emission outside band of Dongle, 1GHz-18GHz





ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

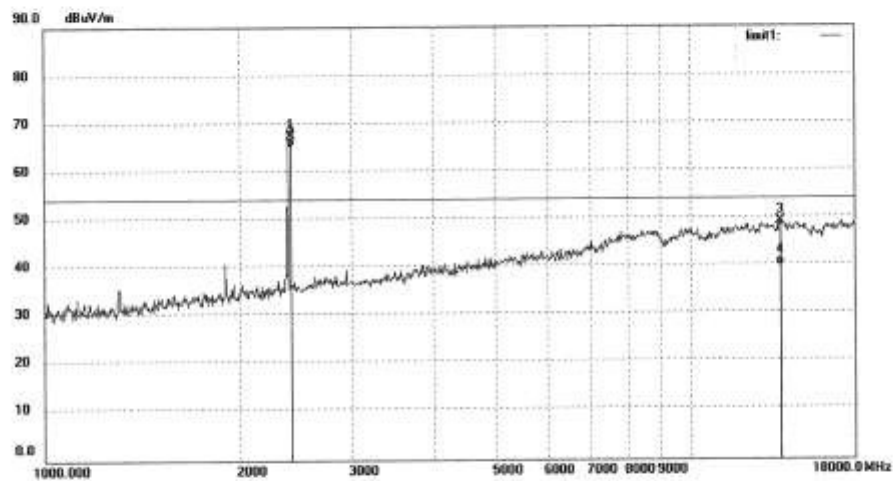
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #716
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2403MHz
Model: NS-GPS4RC101
Manufacturer: Maxwise Group

Polarization: Horizontal
Power Source: DC 5V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2403.000	74.92	-7.45	67.47	114.00	-46.53	peak			
2	2403.000	72.49	-7.45	65.04	94.00	-28.96	AVG			
3	13811.392	9.14	40.10	49.24	74.00	-24.76	peak			
4	13811.392	-0.21	40.10	39.89	54.00	-14.11	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #720

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2444MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Vertical

Power Source: DC 5V

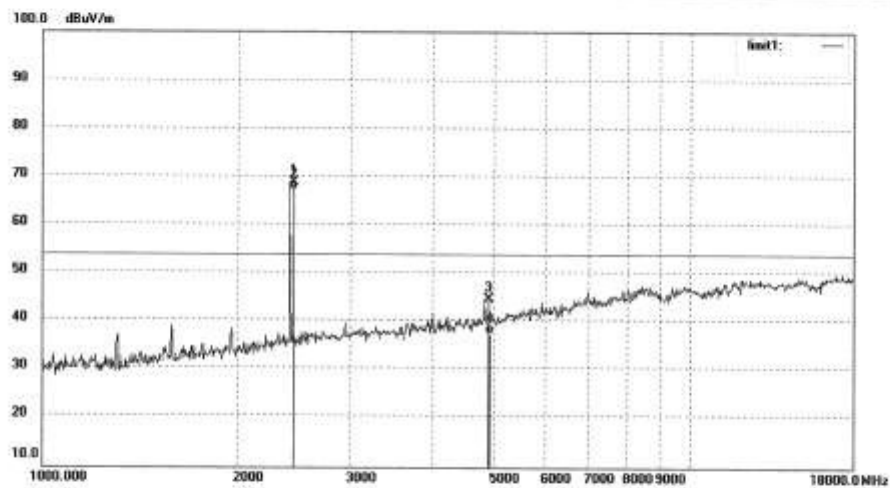
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2444.000	76.18	-7.35	68.83	114.00	-45.17	peak			
2	2444.000	74.56	-7.35	67.21	94.00	-26.79	AVG			
3	4888.036	44.52	0.17	44.69	74.00	-29.31	peak			
4	4888.036	37.35	0.17	37.52	54.00	-16.48	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

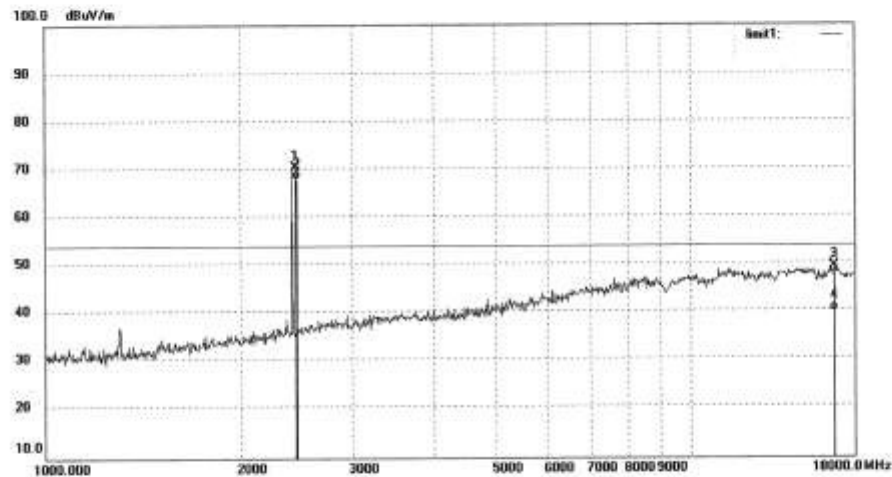
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #721
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2444MHz
Model: NS-GPS4RC101
Manufacturer: Maxwise Group

Polarization: Horizontal
Power Source: DC 5V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2444.000	77.87	-7.35	70.52	114.00	-43.48	peak			
2	2444.000	75.29	-7.35	67.94	94.00	-26.06	AVG			
3	16785.473	8.47	41.10	49.57	74.00	-24.43	peak			
4	16785.473	-0.96	41.10	40.14	54.00	-13.86	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #722

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Model: TX 2480MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Vertical

Power Source: DC 5V

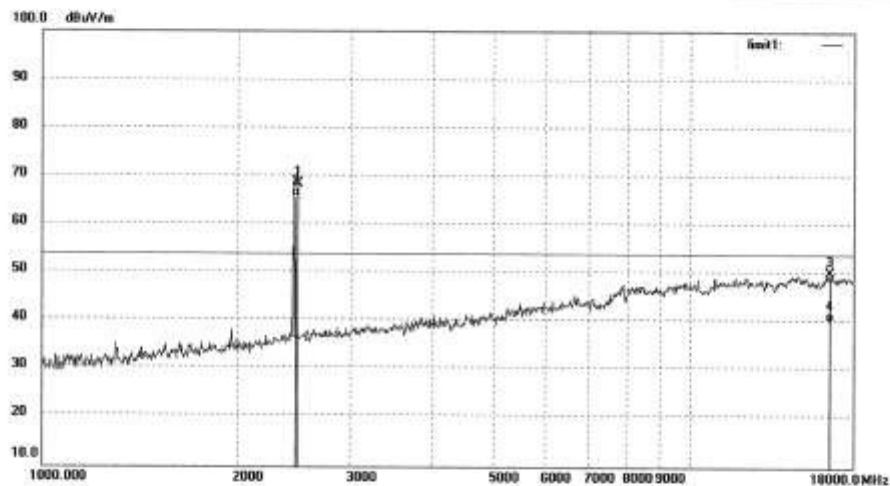
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note: Dongle



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	75.71	-7.37	68.34	114.00	-45.66	peak			
2	2480.000	73.17	-7.37	65.80	94.00	-28.20	AVG			
3	16542.951	9.81	40.42	50.23	74.00	-23.77	peak			
4	16542.951	-0.18	40.42	40.24	54.00	-13.76	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

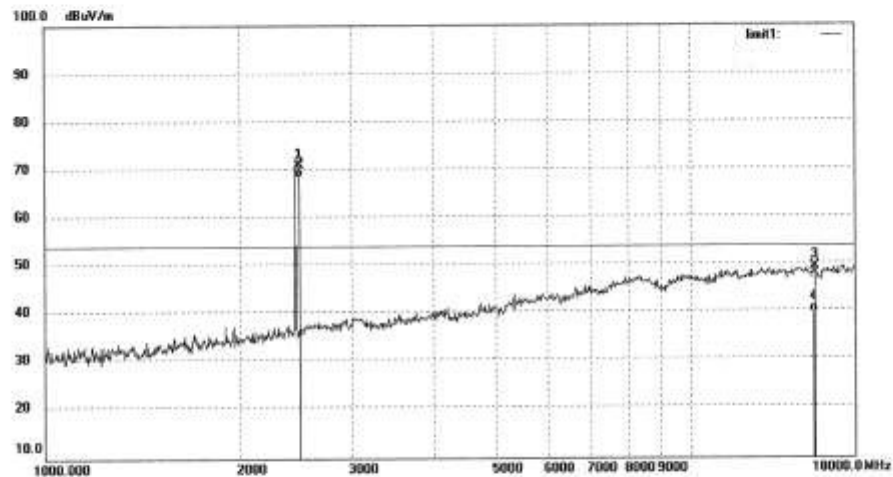
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #723
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%): 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2480MHz
Model: NS-GPS4RC101-C
Manufacturer: Maxwise Group

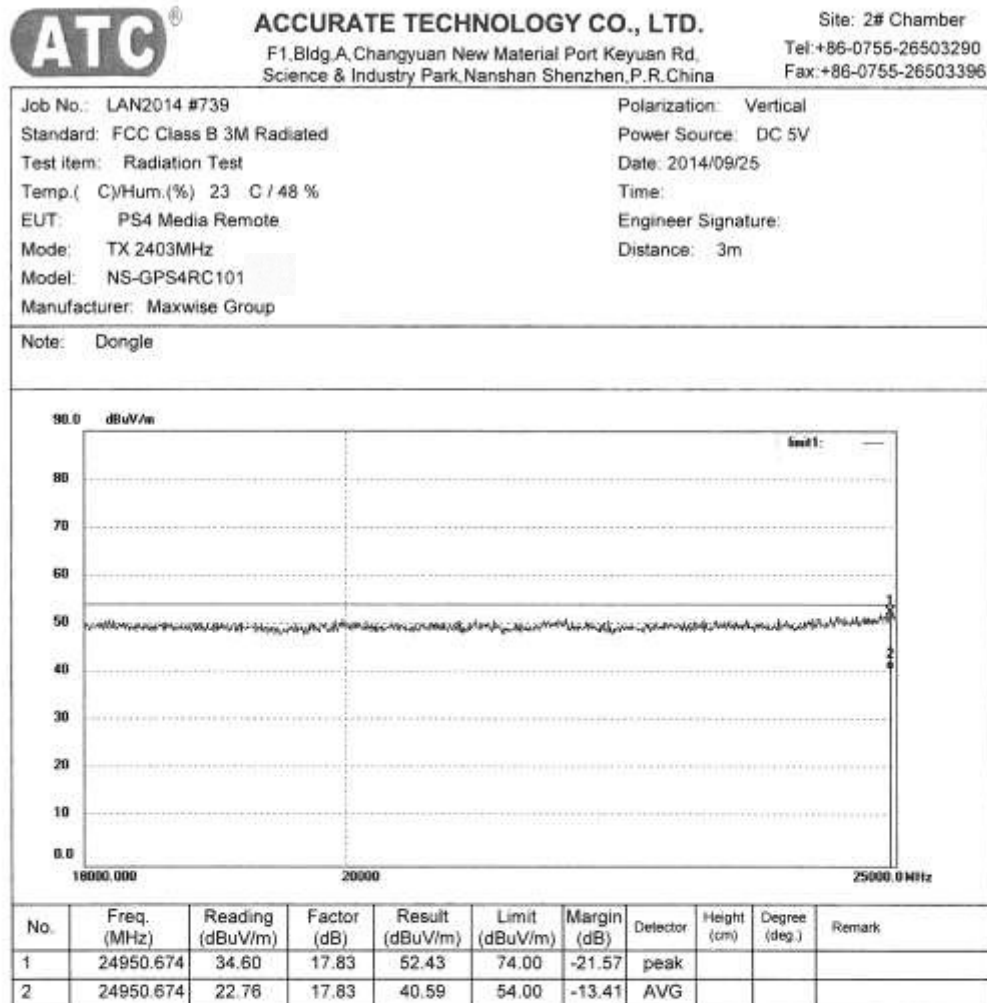
Polarization: Horizontal
Power Source: DC 5V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note: Dongle



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	78.20	-7.37	70.83	114.00	-43.17	peak			
2	2480.000	75.68	-7.37	68.31	94.00	-25.69	AVG			
3	15607.400	9.33	40.08	49.41	74.00	-24.59	peak			
4	15607.400	-0.37	40.08	39.71	54.00	-14.29	AVG			

9 Test figures of radiated spurious emission outside band of Dongle, 18GHz-25GHz





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.: LAN2014 #740

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Model: TX 2403MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Horizontal

Power Source: DC 5V

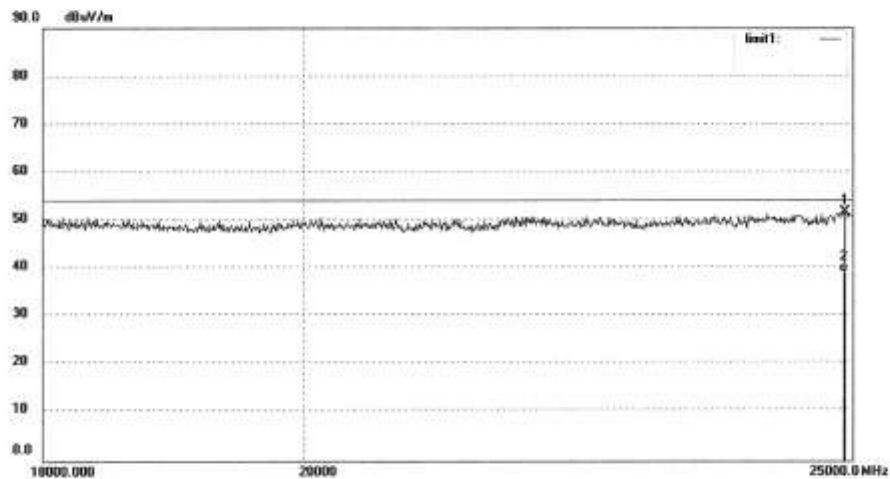
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24917.845	35.03	16.55	51.58	74.00	-22.42	peak			
2	24917.845	22.40	16.55	38.95	54.00	-15.05	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #741

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2444MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Horizontal

Power Source: DC 5V

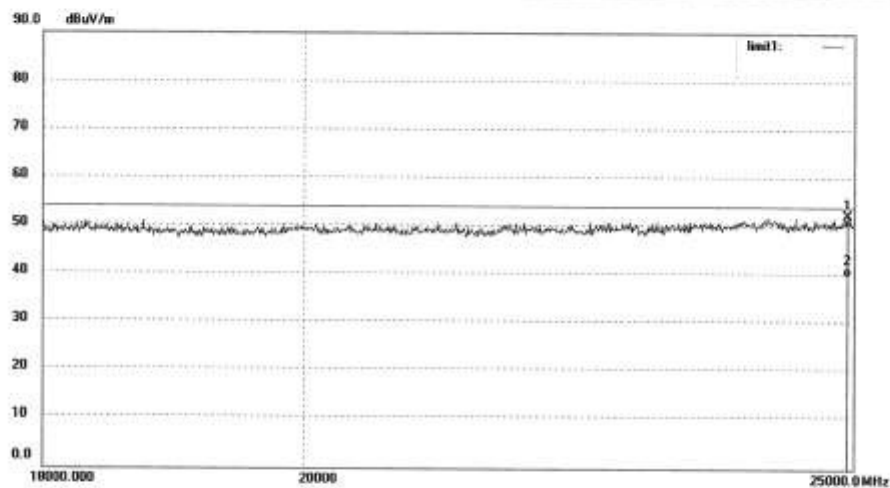
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24942.463	35.72	16.54	52.26	74.00	-21.74	peak			
2	24942.463	23.47	16.54	40.01	54.00	-13.99	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

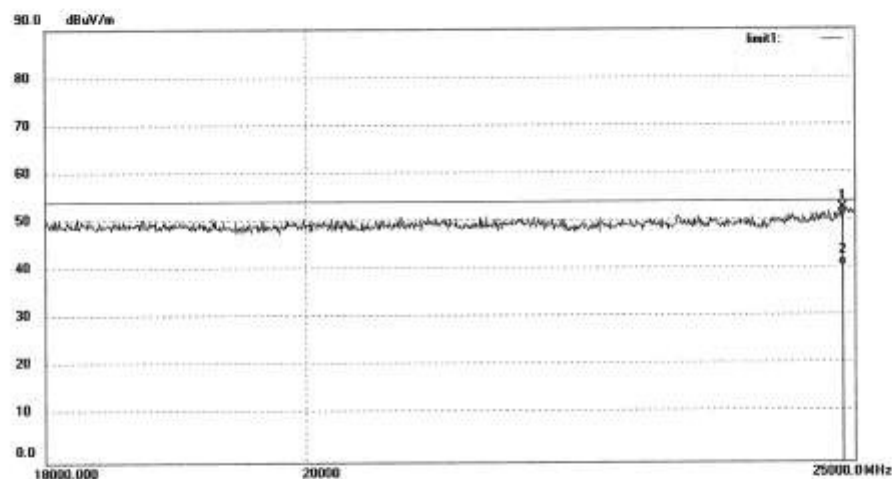
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #742
Standard: FCC Class B 3M Radiated
Test Item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2444MHz
Model: NS-GPS4RC101-C
Manufacturer: Maxwise Group

Polarization: Vertical
Power Source: DC 5V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24885.058	34.84	17.74	52.58	74.00	-21.42	peak			
2	24885.058	22.68	17.74	40.42	54.00	-13.58	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #743

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2480MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Vertical

Power Source: DC 5V

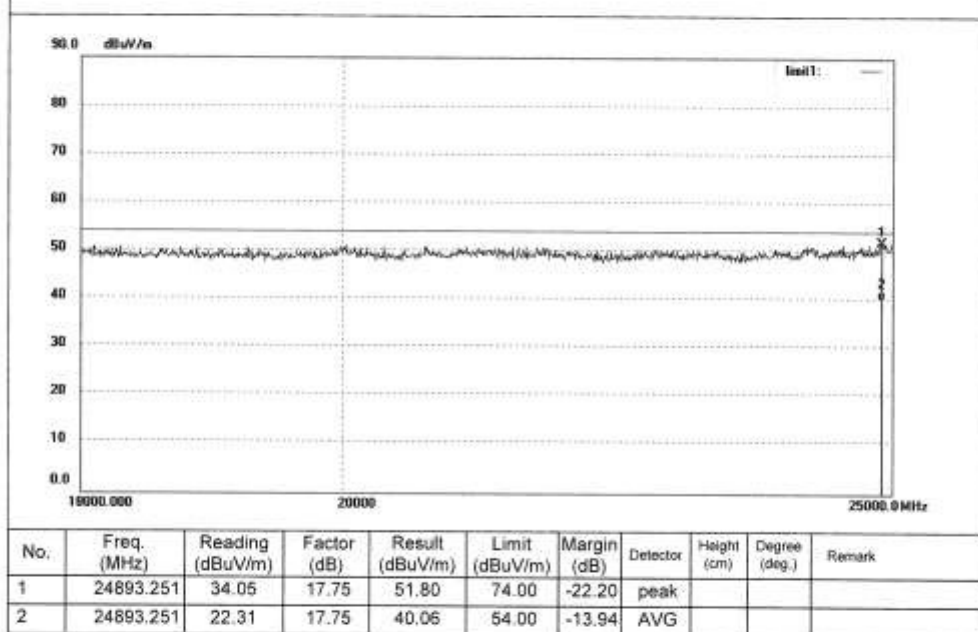
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note: 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

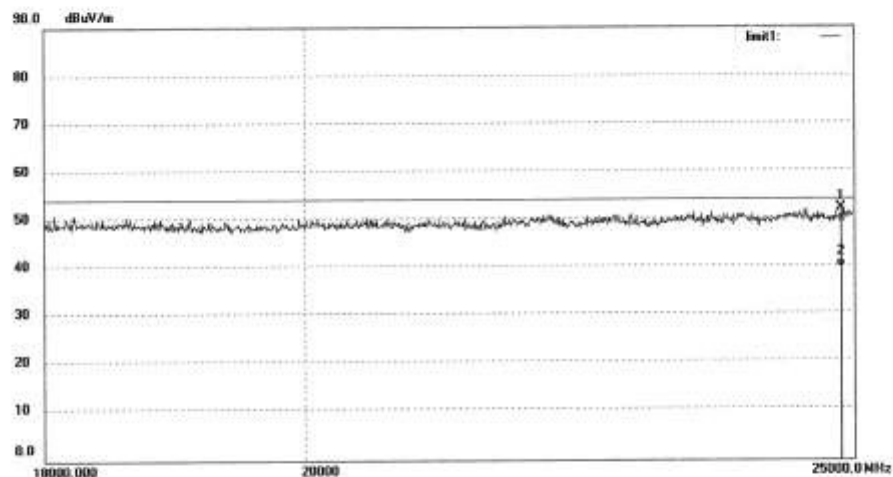
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #744
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2480MHz
Model: NS-GPS4RC101-C
Manufacturer: Maxwise Group

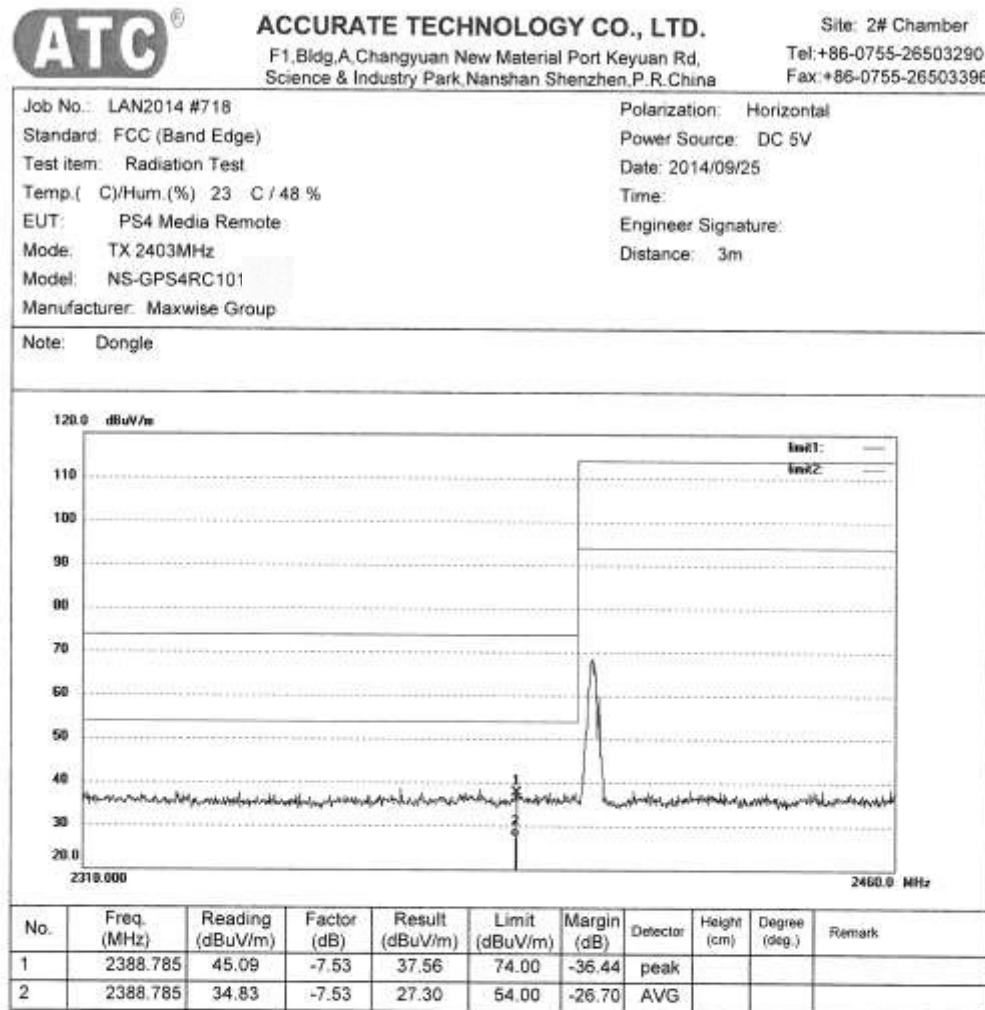
Polarization: Horizontal
Power Source: DC 5V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	24876.868	35.42	16.58	52.00	74.00	-22.00	peak			
2	24876.868	23.08	16.58	39.66	54.00	-14.34	AVG			

10 Test figures of radiated spurious emission of Dongle, Band edge





ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

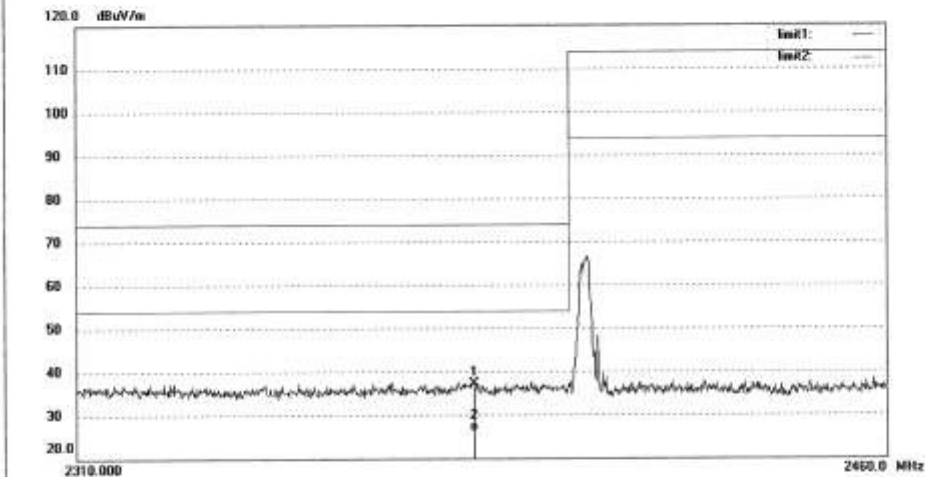
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LAN2014 #719
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2403MHz
Model: NS-GPS4RC101
Manufacturer: Maxwise Group

Polarization: Vertical
Power Source: DC 5V
Date: 2014/09/25
Time:
Engineer Signature:
Distance: 3m

Note: Dongle



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark:
1	2382.468	44.80	-7.58	37.22	74.00	-36.78	peak			
2	2382.468	33.62	-7.58	26.04	54.00	-27.96	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel: +86-0755-26503290

Fax: +86-0755-26503396

Job No.: LAN2014 #725

Standard: FCC (Band Edge)

Test item: Radiation Test

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

EUT: PS4 Media Remote

Mode: TX 2480MHz

Model: NS-GPS4RC101

Manufacturer: Maxwise Group

Polarization: Horizontal

Power Source: DC 5V

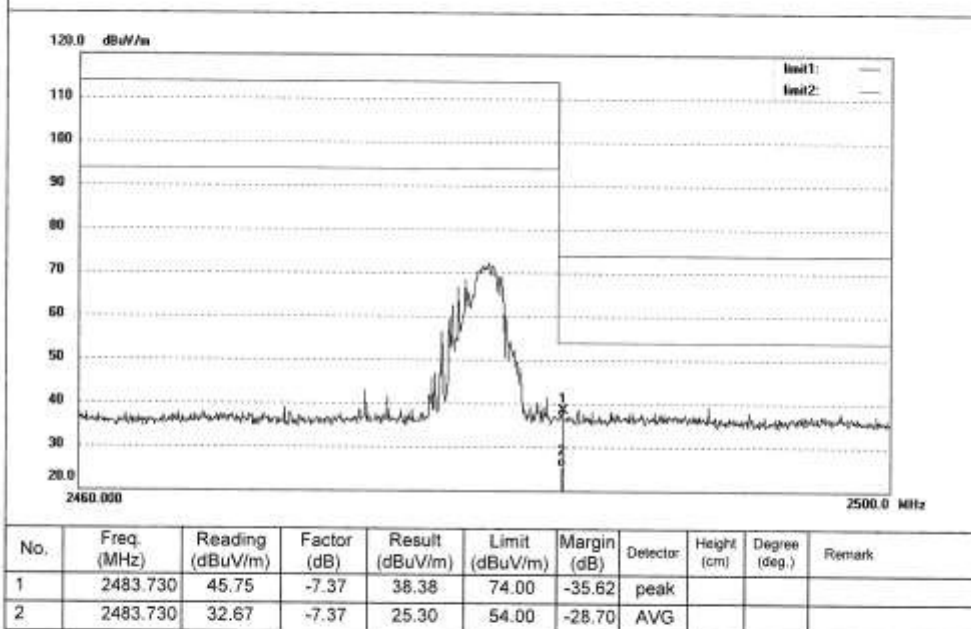
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note: 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

Job No.: LAN2014 #726
Standard: FCC Part 15 PEAK 2.4G
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: PS4 Media Remote
Mode: TX 2480MHz
Model: NS-GPS4RC101-C
Manufacturer: Maxwise Group

Polarization: Vertical

Power Source: DC 5V

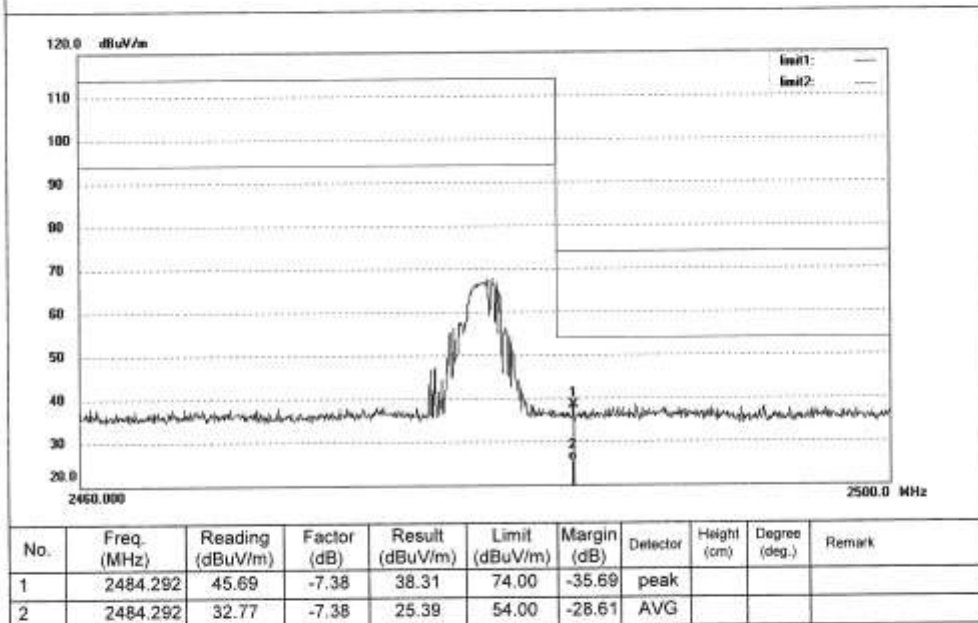
Date: 2014/09/25

Time:

Engineer Signature:

Distance: 3m

Note: Dongle



11 Test figures of conducted emission

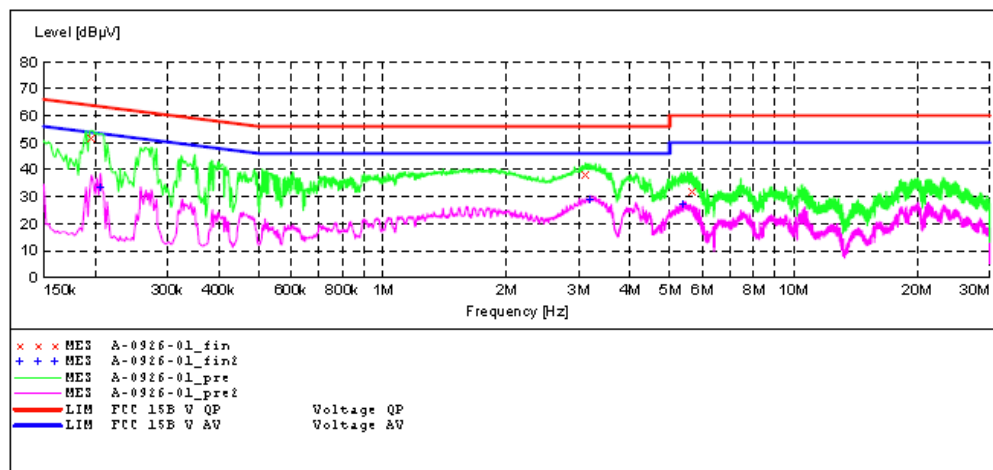
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD EN 55015

EUT: PS4 Media Remote M/N:NS-GPS4RC101
 Manufacturer: Maxwise Group
 Operating Condition: Transmitting
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: N 120V/60Hz
 Comment: Mains Port
 Start of Test: 2014-9-26 /

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

Short Description: SUB STD VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-25)
 Average



MEASUREMENT RESULT: "A-0926-01_fin"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.196000	52.10	10.6	64	11.7	QP	N	GND
3.120500	38.30	11.7	56	17.7	QP	N	GND
5.636000	32.30	11.8	60	27.7	QP	N	GND

MEASUREMENT RESULT: "A-0926-01_fin2"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.206000	33.30	10.6	53	20.1	AV	N	GND
3.206000	29.10	11.7	46	16.9	AV	N	GND
5.420000	27.30	11.8	50	22.7	AV	N	GND

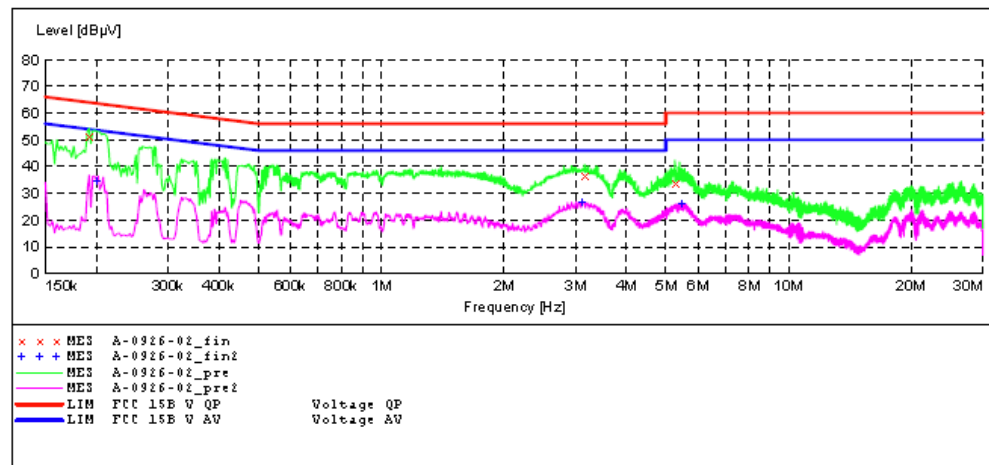
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD EN 55015

EUT: PS4 Media Remote M/N:NS-GPS4RC101
 Manufacturer: Maxwise Group
 Operating Condition: Transmitting
 Test Site: 1#Shielding Room
 Operator: LAN
 Test Specification: L 120V/60Hz
 Comment: Mains Port
 Start of Test: 2014-9-26 /

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

Short Description: SUB STD VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)
 Average



MEASUREMENT RESULT: "A-0926-02_fin"

2014-9-26

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.192000	51.60	10.6	64	12.3	QP	L1	GND
3.161000	36.60	11.7	56	19.4	QP	L1	GND
5.267000	34.00	11.8	60	26.0	QP	L1	GND

MEASUREMENT RESULT: "A-0926-02_fin2"

2014-9-26

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.202000	34.70	10.6	54	18.8	AV	L1	GND
3.134000	26.50	11.7	46	19.5	AV	L1	GND
5.478500	25.90	11.8	50	24.1	AV	L1	GND