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Happy Guo Nice Nong Luy Ca:

FCC PART 15 SUBPART C TEST REPORT

Report Reference No.: CTL1604010995-WF

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Tested by: Nice Nong (position+printed name+signature) (Test Engineer)

Tracy Qi Approved by:

(position+printed name+signature) (Manager)

Product Name..... 1/12 Rock Crawler

BT1001 Model/Type reference.....

Trade Mark..... **BSD RACING**

XLF-BT1001 FCC ID.....

Applicant's name..... BSD RACING TECHNOLOGIES CO., LTD.

4TH FL, 5TH BLDG, CHANGXING HIGH TECH IND ZONE WAN AN Address of applicant.....

ROAD, BAO AN DISTRICT, SHENZHEN, CHINA

Test Firm..... Shenzhen CTL Testing Technology Co., Ltd.

Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road, Nanshan Address of Test Firm.....

District, Shenzhen, China 518055

Test specification....:

FCC Part 15.249: Operation within the bands 920-928 MHz, 2400-Standard.....

2483.5 MHz, 5725-5850 MHz and 24.0 - 24.25 GHz.

TRF Originator.....: Shenzhen CTL Testing Technology Co., Ltd.

Master TRF..... Dated 2011-01

Date of Receipt...... June 01, 2016

Data of Issue...... June 08, 2016

Result..... PASS

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TEST REPORT

Test Report No. :	CTL1604010995-WF	June 08, 2016
rest Report No	C1 L1004010993-W1	Date of issue

Equipment under Test : 1/12 Rock Crawler

Model /Type : BT1001

Applicant : BSD RACING TECHNOLOGIES CO., LTD.

Address : 4TH FL, 5TH BLDG, CHANGXING HIGH TECH IND

ZONE WAN AN ROAD, BAO AN DISTRICT, SHENZHEN,

Report No.: CTL1604010995-WF

CHINA

Manufacturer : BSD RACING TECHNOLOGIES CO., LTD.

Address : 4TH FL, 5TH BLDG, CHANGXING HIGH TECH IND

ZONE WAN AN ROAD, BAO AN DISTRICT, SHENZHEN,

CHINA

Test Result according to the standards on page 4:	PASS

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. TEST STANDARDS

The tests were performed according to following standards:

FCC Rules Part 15.249: Operation within the bands 902 - 928 MHz, 2400 - 2483.5 MHz, 5725 - 5875 MHz, and 24.0 - 24.25 GHz.

ANSI C63.10-2013

ANSI C63.4-2014



2. SUMMARY

2.1. Equipment Under Test

Power supply system utilised

Power supply voltage : o 120V / 60 Hz o 115V / 60Hz o 24 V DC

Other (specified in blank below)

DC 6V from battery (4*AA)

2.2. Description of the Equipment under Test (EUT)

The EUT (1/12 Rock Crawler) support 2.4G wireless function.

Name of EUT	1/12 Rock Crawler
Model Number	BT1001
Antenna Type	Internal
Operation frequency	2404MHz-2470MHz
Modulation Type	GFSK
Antenna Gain	0dBi

Channel List:

Channel List:					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2404	26	2429	51	2454
02	2405	27	2430	52	2455
03	2406	28	2431	53	2456
04	2407	29	2432	54	2457
05	2408	30	2433	55	2458
06	2409	31	2434	56	2459
07	2410	32	2435	57	2460
08	2411	33	2436	58	2461
09	2412	34	2437	59	2462
10	2413	35	2438	60	2463
11	2414	36	2439	61	2464
12	2415	37	2440	62	2465
13	2416	38	2441	63	2466
14	2417	39	2442	64	2467
15	2418	40	2443	65	2468
16	2419	/41 atim	2444	66	2469
17	2420	42	2445	67	2470
18	2421	43	2446		
19	2422	44	2447		
20	2423	45	2448		
21	2424	46	2449		
22	2425	47	2450		
23	2426	48	2451		
24	2427	49	2452		
25	2428	50	2453		

For more details, refer to the user's manual of the EUT.

Serial number: Prototype

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2.3. EUT operation mode

Test Mode(TM)	Description	Remark
TM1	Bottom Channel Transmitting	2404MHz
TM2	Middle Channel Transmitting	2437MHz
TM3	Top Channel Transmitting	2470 MHz

The field strength of radiation emission was measured in the following position: EUT stand-up position (Y axis), lie-down position (X, Z axis).

The following data show only with the worst case setup.

The worst case of X axis was reported.

Based on client request, all normal using modes of the normal function were tested but only the worst test data of the worst mode is reported by this report.

New battery is used during all test.

2.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

o - supplied by the manufacturer

supplied by the lab

2.5. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: XLF-BT1001 filing to comply with Section 15.249 of the FCC Part 15, Subpart C Rules.

Technolo

2.6. Modifications

No modifications were implemented to meet testing criteria.

Testing

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3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen CTL Testing Technology Co., Ltd. Floor 1-A, Baisha Technology Park, No. 3011, Shahexi Road, Nanshan, Shenzhen 518055 China

There is one 3m semi-anechoic chamber and two line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.4 and CISPR 22/EN 55022 requirements.

3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

IC Registration No.: 9618B

The 3m alternate test site of Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration No.: 9618B on November 13, 2013.

FCC-Registration No.: 970318

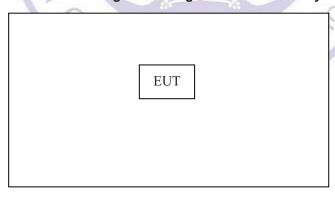
Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 970318, December 19, 2013.

3.3. Environmental conditions

During the measurement the envi	ronmental conditions were within	the listed ranges:
Temperature:	15-35 ° C	0
Humidity:	30-60 %	3 ±
Atmospheric pressure:	950-1050mbar	U C

3.4. Configuration of Tested System

Fig. 2-1 Configuration of Tested System



3.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Shenzhen CTL Testing Technology Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CTL laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.10dB	(1)
Radiated Emission	1~26.5GHz	4.32dB	(1)
Conducted Disturbance	0.15~30MHz	3.20dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



3.6. Equipments Used during the Test

Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
BilogAntenna	Sunol Sciences Corp.	JB1	A061713	2016/06/02	2017/06/01
EMI Test Receiver	R&S	ESCI3	103710	2016/06/02	2017/06/01
Spectrum Analyzer	Agilent	E4407B	MY45108355	2016/05/21	2017/05/20
Spectrum Analyzer	Agilent	N9020A	US46220290	2015/12/10	2016/12/09
Controller	EM Electronics	Controller EM 1000	N/A	2016/05/21	2017/05/20
Horn Antenna	Sunol Sciences Corp.	DRH-118	A062013	2016/05/19	2017/05/18
Active Loop Antenna	Daze	ZN30900A	N/A	2016/05/19	2017/05/18
LISN	R&S	ENV216	101316	2016/06/02	2017/06/01
LISN	SCHWARZBECK	NSLK8127	8127687	2016/06/02	2017/06/01
Microwave Preamplifier	HP to	8349B	3155A00882	2016/05/19	2017/05/18
Amplifier	HP	8447D	3113A07663	2016/05/19	2017/05/18
Transient Limiter	Com-Power	LIT-153	532226	2016/06/02	2017/06/01
Temperature/Humidity Meter	Gangxing	CTH-608	02	2016/05/20	2017/05/19
Climate Chamber	ESPEC	EL-10KA	A20120523	2016/05/20	2017/05/19
High-Pass Filter	K&L	9SH10- 2700/X12750 -O/O	N/A	2016/05/20	2017/05/19
High-Pass Filter	K&L	41H10- 1375/U12750 -O/O	N/A	2016/05/20	2017/05/19
Ultra-Broadband Antenna	ShwarzBeck	BBHA9170	25841	2016/05/19	2017/05/18
The temporary antenna connector	MMCX - SMA	1547	23657478	2016/05/20	2017/05/19
RF Cable(1-25GHz)	HUBER+SUHNER	RG214	N/A	2016/05/20	2017/05/19
RF Cable(0-1GHz)	HUBER+SUHNER	RG174	N/A	2016/05/20	2017/05/19

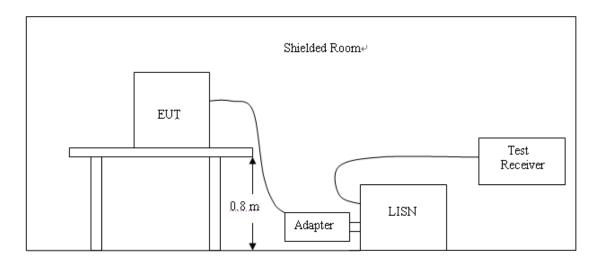
Note:The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

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4. TEST CONDITIONS AND RESULTS

4.1. Conducted Emissions Test

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
- 2 Support equipment, if needed, was placed as per ANSI C63.10.
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4 If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

The RBW/VBW for 150KHz to 30MHz: 9KHz

CONDUCTED POWER LINE EMISSION LIMIT

For unintentional device, according to § 15.207(a) Line Conducted Emission Limits is as following:

F=========	Maximum RF Line Voltage (dBμV)			
Frequency (MHz)	CLASS A		CLASS B	
(141112)	Q.P.	Ave.	Q.P.	Ave.
0.15 - 0.50	79	66	66-56*	56-46*
0.50 - 5.00	73	60	56	46
5.00 - 30.0	73	60	60	50

^{*} Decreasing linearly with the logarithm of the frequency

For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

TEST RESULTS

Not applicable to this device.

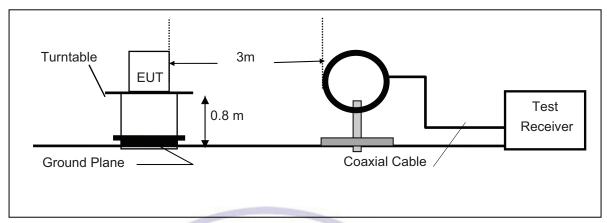


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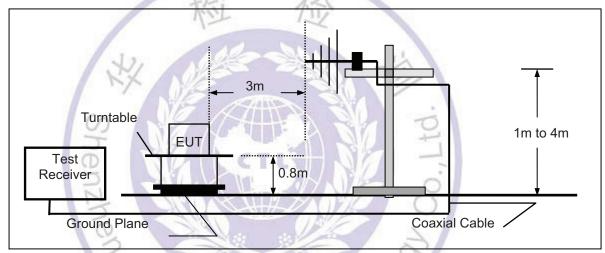
4.2. Transmitter Radiated Unwanted Emissions and Bandedge

TEST CONFIGURATION

(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



Semi-Anechoic Chamber

Semi-Anechoic Chamber

Turntable

Ground Plane

Measurement
Instrument

Control Room

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FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

RADIATION LIMIT

For unintentional device, according to § 15.209(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance (Meters)	Radiated (dBµV/m)	Radiated (μV/m)
30-88	3	40.0	100
88-216	3/4	43.5	150
216-960	3	46.0	200
Above 960	371	54.0	500

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

TEST PROCEDURE

- 1. The EUT is placed on a turntable, which is 0.8m above ground plane below 1GHz and 1.5m above ground plane above 1GHz.
- The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- 4. For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 5. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 6. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 7. Repeat above procedures until the measurements for all frequencies are complete.
- 8. Based on the Frequency Generator in the device include 16MHz. The test frequency range from 9KHz to 25GHz per FCC PART 15.33(a).

Note:

Three axes are chosen for pretest, the X axis is the worst mode for final test. For battery operated equipment, the equipment tests shall be performed using a fully-charged battery.

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TEST RESULTS

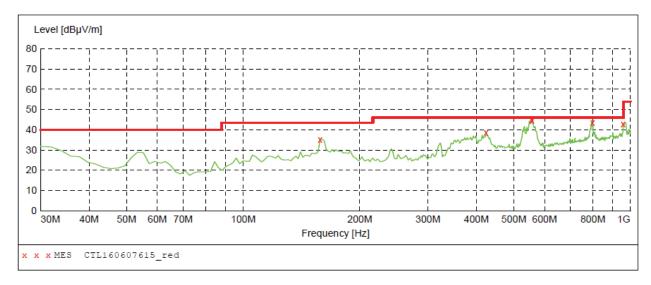
All the test modes (TM1, TM2, TM3) completed for test. The worst case of Radiated Emission is TM1; the test data of this mode was reported.

Below 1GHz Test Results:

SWEEP TABLE: "test (30M-1G)"

Short Description: Field Strength
Start Stop Detector Meas. IF Transducer
Frequency Frequency Time Bandw.

30.0 MHz 1.0 GHz MaxPeak 300.0 ms 120 kHz JB1



MEASUREMENT RESULT: "CTL160607615 red"

3PM							
Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
35.30	13.7	43.5	8.2		0.0	0.00	VERTICAL
38.60	18.6	46.0	7.4		0.0	0.00	VERTICAL
45.20	21.1	46.0	0.8		0.0	0.00	VERTICAL
44.70	21.1	46.0	1.3		0.0	0.00	VERTICAL
43.70	24.6	46.0	2.3		0.0	0.00	VERTICAL
42.80	26.6	46.0	3.2		0.0	0.00	VERTICAL
	dBμV/m 35.30 38.60 45.20 44.70 43.70	Level transd dB	Level Transd Limit dBμV/m dB dBμV/m 35.30 13.7 43.5 38.60 18.6 46.0 45.20 21.1 46.0 44.70 21.1 46.0 43.70 24.6 46.0	Level Transd Limit Margin dBμV/m dB dBμV/m dB dBμV/m dB 35.30 13.7 43.5 8.2 38.60 18.6 46.0 7.4 45.20 21.1 46.0 0.8 44.70 21.1 46.0 1.3 43.70 24.6 46.0 2.3	Level Transd Limit Margin Det. dBμV/m dB dBμV/m dB dBμV/m dB 35.30 13.7 43.5 8.2 38.60 18.6 46.0 7.4 45.20 21.1 46.0 0.8 44.70 21.1 46.0 1.3 43.70 24.6 46.0 2.3	Level dBμV/m Transd dB dBμV/m Limit dBμV/m Margin dB Det. Height cm 35.30 13.7 43.5 8.2 0.0 38.60 18.6 46.0 7.4 0.0 45.20 21.1 46.0 0.8 0.0 44.70 21.1 46.0 1.3 0.0 43.70 24.6 46.0 2.3 0.0	Level dBμV/m Transd dB dBμV/m Limit dBμV/m Margin dB Det. Height cm Azimuth deg 35.30 13.7 43.5 8.2 0.0 0.00 38.60 18.6 46.0 7.4 0.0 0.00 45.20 21.1 46.0 0.8 0.0 0.00 44.70 21.1 46.0 1.3 0.0 0.00 43.70 24.6 46.0 2.3 0.0 0.00

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Remark:

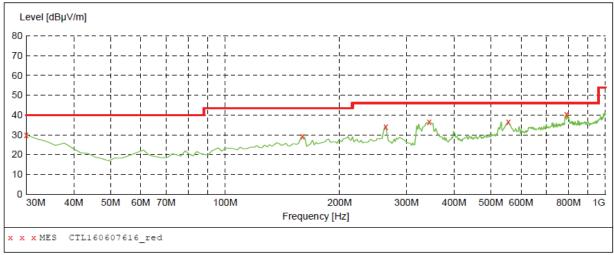
- (1) Measuring frequencies from 9 KHz to the 1 GHz, Radiated emission test from 9KHz to 30MHz was verified, and no any emission was found except system noise floor.
- * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.

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Transducer

SWEEP TABLE: "test (30M-1G)"
Short Description: Fi Field Strength Start Stop Detector Meas. Bandw. Frequency Frequency Time

30.0 MHz 1.0 GHz MaxPeak 300.0 ms 120 kHz



MEASUREMENT RESULT: "CTL160607616 red"

6/7/2016 4:30	0PM							
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
30.000000	29.90	20.8	40.0	10.1		0.0	0.00	HORIZONTAL
159.980000	29.30	13.6	43.5	14.2		0.0	0.00	HORIZONTAL
264.740000	34.00	14.8	46.0	12.0		0.0	0.00	HORIZONTAL
344.280000	36.70	16.6	46.0	9.3		0.0	0.00	HORIZONTAL
555.740000	36.70	21.1	46.0	9.3		0.0	0.00	HORIZONTAL
790.480000	40.50	24.6	46.0	5.5		0.0	0.00	HORIZONTAL

Remark:

- (1) Measuring frequencies from 9 KHz to the 1 GHz, Radiated emission test from 9KHz to 30MHz was verified, and no any emission was found except system noise floor.
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz (3)for measuring above 1 GHz, below 30MHz was 10KHz.

Above 1 GHz Test Results:

Note: Horizontal and Vertical all have been tested ,only worse case vertical polarity is reported .

Frequency	Emission		Limit	Margin	Raw	Antenna Factor	Cable	Pre- amplifier	Correction
(MHz)	Level		(dBuV/m)	(dB)	Value	(dB/m)	Factor	(dB)	Factor
	(dBuV/m)				(dBuV)		(dB)		(dB/m)
2404.00	98.45	PK	114	15.55	100.41	28.79	4.61	35.36	-1.96
2404.00	86.03	AV	94	7.97	87.99	28.79	4.61	35.36	-1.96
2390.00	62.11	PK	74	11.89	64.15	28.72	4.60	35.36	-2.04
2390.00	43.76	AV	54	10.24	45.80	28.72	4.60	35.36	-2.04
2400.00	63.58	PK	74	10.42	65.55	28.78	4.61	35.36	-1.97
2400.00	42.04	AV	54	11.96	44.01	28.78	4.61	35.36	-1.97
4808.00	68.77	PK	74	5.23	64.25	33.49	6.91	35.89	4.52
4808.00	49.56	AV	54	4.44	45.04	33.49	6.91	35.89	4.52
6014.00	65.07	PK	74	8.93	56.92	35.13	7.61	34.60	8.15
6014.00	44.29	AV	54	9.71	36.14	35.13	7.61	34.60	8.15
7212.00	64.07	PK	74	9.93	52.93	36.98	9.18	35.02	11.14
7212.00	46.98	AV	54	7.02	35.84	36.98	9.18	35.02	11.14

Frequency	Emission		Limit	Margin	Raw	Antenna Factor	Cable	Pre- amplifier	Correction
(MHz)	Level		(dBuV/m)	(dB)	Value	(dB/m)	Factor	(dB)	Factor
	(dBuV/m)				(dBuV)		(dB)		(dB/m)
2437.00	98.02	PK	114	15.98	99.89	28.85	4.65	35.37	-1.87
2437.00	87.09	AV	94	6.91	88.96	28.85	4.65	35.37	-1.87
3200.00	63.72	PK	74	10.28	62.36	31.24	5.47	35.35	1.36
3200.00	46.86	AV	54	7.14	45.50	31.24	5.47	35.35	1.36
3641.00	66.04	PK	74	7.96	62.82	32.27	5.99	35.05	3.22
3641.00	47.99	AV	54	6.01	44.77	32.27	5.99	35.05	3.22
4874.00	67.01	PK	74	6.99	60.67	33.59	6.95	34.20	6.34
4874.00	48.82	AV	54	5.18	42.48	33.59	6.95	34.20	6.34
6128.00	65.36	PK	74	8.64	57.03	35.20	7.78	34.65	8.33
6128.00	46.77	AV	54	7.23	38.44	35.20	7.78	34.65	8.33
7311.00	65.08	PK	74	8.92	53.42	37.44	9.22	35.00	11.66
7311.00	46.18	AV	54	7.82	34.52	37.44	9.22	35.00	11.66

Frequency	Emission		Limit	Margin	Raw	Antenna Factor	Cable	Pre- amplifier	Correction
(MHz)	Level		(dBuV/m)	(dB)	Value	(dB/m)	Factor	(dB)	Factor
	(dBuV/m)				(dBuV)		(dB)		(dB/m)
2470.00	98.44	PK	114	15.56	100.22	28.91	4.69	35.37	-1.78
2470.00	86.57	AV	94	7.43	88.35	28.91	4.69	35.37	-1.78
2483.50	62.07	PK	74	11.93	63.81	28.93	4.70	35.38	-1.74
2483.50	43.12	AV	54	10.88	44.86	28.93	4.70	35.38	-1.74
3700.00	63.83	PK	74	10.17	60.77	32.64	6.06	35.64	3.06
3700.00	46.11	AV	54	7.89	43.05	32.64	6.06	35.64	3.06
4940.00	67.04	PK	74	6.96	60.43	33.77	6.99	34.15	6.61
4940.00	48.63	AV	54	5.37	42.02	33.77	6.99	34.15	6.61
6200.00	64.96	PK	74	9.04	56.56	35.19	7.90	34.69	8.40
6200.00	47.02	AV	54	6.98	38.62	35.19	7.90	34.69	8.40
7410.00	64.15	PK	74	9.85	52.22	37.64	9.26	34.97	11.93
7410.00	46.06	AV	54	7.94	34.13	37.64	9.26	34.97	11.93

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Note: above 10GHz up to 25GHz was verified, and no any emission was found except system noise floor.

Remark: RBW=1MHz VBW =3MHz peak detector for PK value, RMS detector for AV value For fundamental frequency ,RBW 3MHz VBW 10MHz Peak detector is for PK value ,RMS detector is for AV value.

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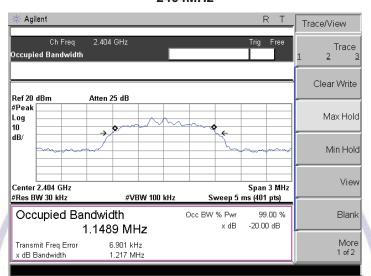
4.3. Occupied Bandwidth Measurement

Measurement Procedure

- 1. Set EUT as normal operation.
- 2. RBW ≥ 1% of the 20 dB bandwidth, VBW≥RBW.
- 3. The useful conducted emission from the EUT was detected by the spectrum analyser with peak detector.

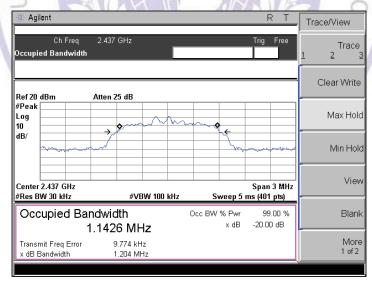
Measurement Results

2404MHz



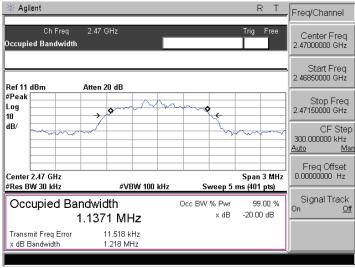
20dB Bandwidth: 1217 KHz

2437MHz



20dB Bandwidth: 1204 KHz

2470MHz





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5. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (c), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

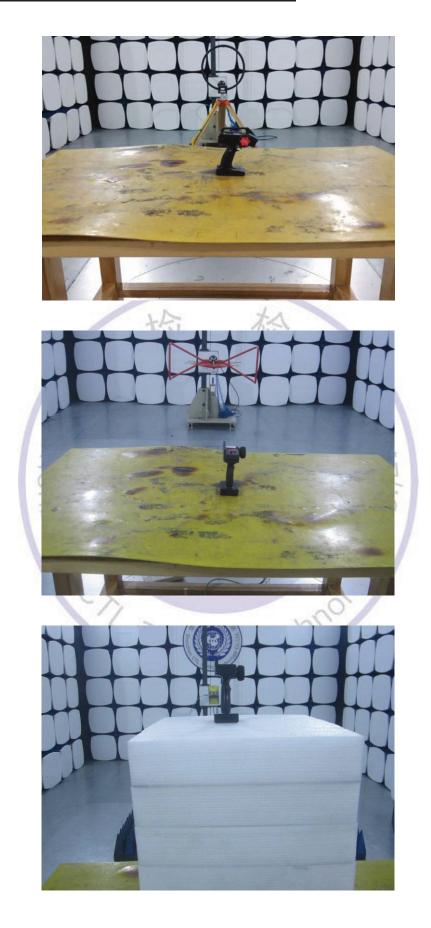
Antenna Connected Construction

The antenna used in this product is an internal Antenna, The directional gains of antenna used for transmitting is 0 dBi.



6. Test Setup Photos of the EUT

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7. External and Internal Photos of the EUT

External Photos of EUT











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Internal Photos of EUT

