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Report No.: UNIA2018061106FR-01

FCC RADIO TEST REPORT

FCC ID: 2AGZ8DRWG538B

Product : 2.4G Remote Control GPS Drone Trade Name : N/A Model Name : DRWG538B Serial Model : N/A Report No. : UNIA2018061106FR-01

Prepared for

DOWELLIN TOYS FACTORY

1 Road FengXin ChengHai District, ShanTou City,GuangDong,China.

Prepared by

Shenzhen United Testing Technology Co., Ltd.

2F, Annex Bldg, Jiahuangyuan Tech Park, #365 Baotian 1 Rd, Tiegang Community, Xixiang Str, Bao'an District, Shenzhen, China

深圳市优耐检测技术有限公司 Shenzhen United Testing Technology Co.,Ltd. United Testing Technology(Hong Kong) Limited

TEST RESULT CERTIFICATION

Applicant's name:	DOWELLIN TOYS FACTORY
Address:	1 Road FengXin ChengHai District, ShanTou City,GuangDong, China.
Manufacture's Name:	DOWELLIN TOYS FACTORY
Address:	1 Road FengXin ChengHai District, ShanTou City,GuangDong, China.
Product description	
Product name:	2.4G Remote Control GPS Drone
Trade Mark:	N/A
Model and/or type reference :	DRWG538B
Standards	FCC Rules and Regulations Part 15 Subpart C Section 15.249 ANSI C63.10: 2013

This device described above has been tested by Shenzhen United Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test	
Date (s) of performance of tests	
Date of Issue	
Test Result:	

Jun. 12, 2018 ~ Jun. 28, 2018 Jun. 28, 2018 Pass

Prepared by:

Reviewer:

Approved & Authorized Signer:

Liuze/Manager

line

Sherwin Qian/Supervisor

Kahn yang/Editor

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1. TEST SUMMARY

1.1 TEST PROCEDURES AND RESULTS

DESCRIPTION OF TEST

CONDUCTED EMISSIONS TEST RADIATED EMISSION TEST BAND EDGE OCCUPIED BANDWIDTH MEASUREMENT ANTENNA REQUIREMENT RESULT N/A COMPLIANT COMPLIANT COMPLIANT

1.2 TEST FACILITY

Test Firm : Shenzhen United Testing Technology Co., Ltd.

Address

: 2F, Annex Bldg, Jiahuangyuan Tech Park, #365 Baotian 1 Rd, Tiegang Community, Xixiang Str, Bao'an District, Shenzhen, China

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.The testing quality system of our laboratory meets with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

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

CNAS-LAB Code: L6494

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of testing Laboratories.

Designation Number: CN1227

Test Firm Registration Number: 674885

The 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.

1.3 MEASUREMENT UNCERTAINTY

Measurement Uncertainty

Conducted Emission Expanded Uncertainty

Radiated emission expanded uncertainty(9kHz-30MHz)

Radiated emission expanded uncertainty(30MHz-1000MHz) Radiated emission expanded uncertainty(Above 1GHz) = 2.23dB, k=2 = 3.08dB, k=2

= 4.42dB, k=2

= 4.06dB, k=2

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2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

	, Pl i
Equipment	2.4G Remote Control GPS Drone
Trade Mark	N/A
Model Name	DRWG538B
Serial No.	N/A
Model Difference	N/A
FCC ID	2AGZ8DRWG538B
Antenna Type	External Antenna
Antenna Gain	0.5dBi
Frequency Range	2449-2481MHz
Number of Channels	33CH
Modulation Type	GFSK
Battery	DC 4.5V of AA Battery*3
Power Source	DC 4.5V of AA Battery*3
Adapter	N/A



2.2 Carrier Frequency of Channels

1		5	Chann	el List			V
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2449	10	2458	19	2467	28	2476
2	2450	11	2459	20	2468	29	2477
3	2451	12	2460	21	2469	30	2478
4	2452	13	2461	22	2470	31	2479
5	2453	14	2462	23	2471	32	2480
6	2454	15	2463	24	2472	33	2481
7	2455	16	2464	25	2473		
8	2456	17	2465	26	2474	1	1
9	2457	18	2466	27	2475		J.

2.3 Operation of EUT during testing

Operating Mode

The mode is used: Transmitting mode

Low Channel: 2449MHz Middle Channel: 2465MHz High Channel: 2481MHz

2.4 DESCRIPTION OF TEST SETUP

Operation of EUT during Radiation and Above1GHz Radiation testing:

EUT

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2.5 MEASUREMENT INSTRUMENTS LIST

ltem	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	Horn Antenna	Sunol	DRH-118	A101415	2018.9.29
2	BicoNILog Antenna	Sunol	JB1 Antenna	A090215	2018.9.29
3	PREAMP	HP	8449B	3008A00160	2018.9.9
4	PREAMP	HP	8447D	2944A07999	2018.9.9
5	EMI TEST RECEIVER	Rohde&Schwarz	ESR3	101891	2018.9.9
6	VECTOR Signal Generator	Rohde&Schwarz	SMU200A	101521	2018.9.28
7	Signal Generator	Agilent	E4421B	MY4335105	2018.9.28
8	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2018.9.28
9	MXA Signal Analyzer	Agilent	N9020A	MY51110104	2018.9.9
10	ANT Tower&Turn table Controller	Champro	EM 1000	60764	2018.9.28
11	Anechoic Chamber	Taihe Maorui	9m*6m*6m	966A0001	2018.9.9
12	Shielding Room	Taihe Maorui	6.4m*4m*3m	643A0001	2018.9.9
13	RF Power sensor	DARE	RPR3006W	15100041SNO88	2019.3.14
14	RF Power sensor	DARE	RPR3006W	15100041SNO89	2019.3.14
15	RF power divider	Anritsu	K241B	992289	2018.9.28
16	Wideband radio communication tester	Rohde&Schwarz	CMW500	154987	2018.9.28
17	Biconical antenna	Schwarzbeck	🔷 VHA 9103	91032360	2018.9.8
18	Biconical antenna	Schwarzbeck	VHA 9103	91032361	2018.9.8
19	Broadband Hybrid Antennas	Schwarzbeck	VULB9163	VULB9163#958	2018.9.8
20	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1680	2019.1.12
21	Active Receive Loop Antenna	Schwarzbeck	FMZB 1919B	00023	2018.11.02
22	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170651	2019.03.14
23	Microwave Broadband Preamplifier	Schwarzbeck	BBV 9721	100472	2018.10.24
24	Active Loop Antenna	Com-Power	AL-130R	10160009	2019.05.10

3. CONDUCTED EMISSIONS TEST

3.1 Conducted Power Line Emission Limit

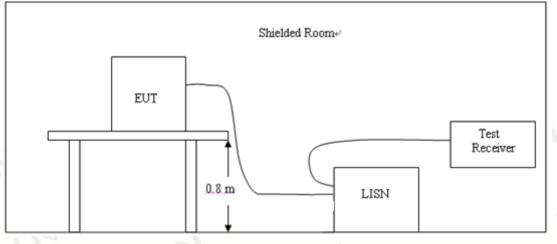
For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following

	Maximum RF Line Voltage(dBµV)						
Frequency (MHz)	CLASS	A dBμV	CLASS B				
	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.

3.2 Test Setup



3.3 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 placed on 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.

3.4 Test Result

N/A

Remark: The EUT is powered by DC 4.5V of three AA Batteries.

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4 RADIATED EMISSION TEST

4.1 Radiation Limit

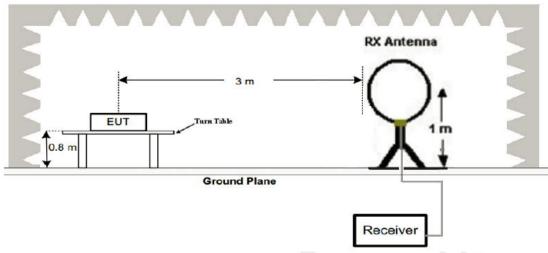
For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance (Meters)	Radiated (dBµV/m)	Radiated (µV/m)
30-88	3	40	100
88-216	3	43.5	150
216-960	3	46	200
Above 960	3	54	500

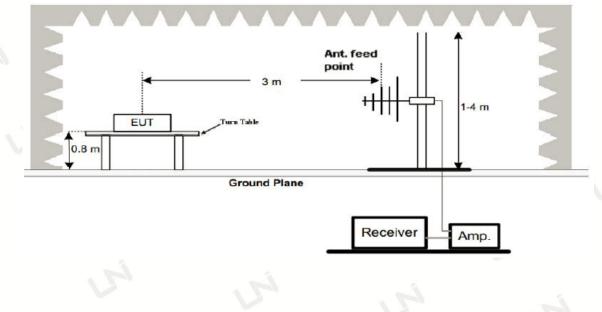
For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

4.2 Test Setup

1. Radiated Emission Test-Up Frequency Below 30MHz



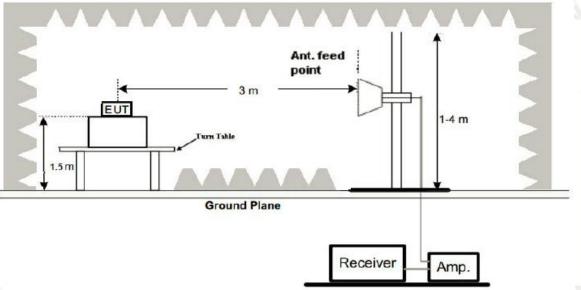
2. Radiated Emission Test-Up Frequency 30MHz~1GHz



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3. Radiated Emission Test-Up Frequency Above 1GHz



- 4.3 Test Procedure
 - 1. Below 1GHz measurement the EUT is placed on turntable which is 0.8m above ground plane. And above 1GHz measurement EUT was placed on low permittivity and low tangent turn table which is 1.5m above ground plane.
 - 2. 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. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
 - 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
 - 6. Repeat above procedures until the measurements for all frequencies are complete.

7. The test frequency range from 9KHz to 25GHz per FCC PART 15.33(a).

Note:

For battery operated equipment, the equipment tests shall be performed using a new battery.

4.4 Test Result

PASS

Remark:

1. All modes were tested, only the worst result of the middle channel 2461MHz was reported. 2. By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was

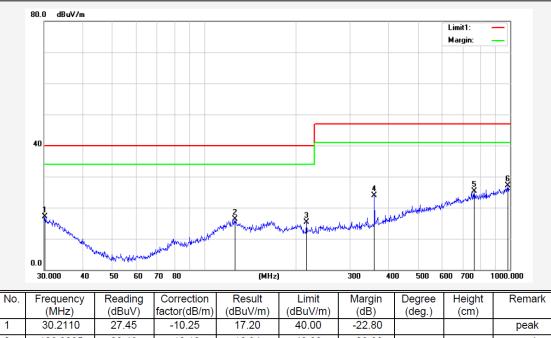
found that "Z axis" position was the worst, and test data recorded in this report. 3. Radiated emission test from 9KHz to 10th harmonic of fundamental was verified, and no emission

found except system noise floor in 9KHz to 30MHz and not recorded in this report.

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Below 1GHz Test Results:

Antenna polarity: H

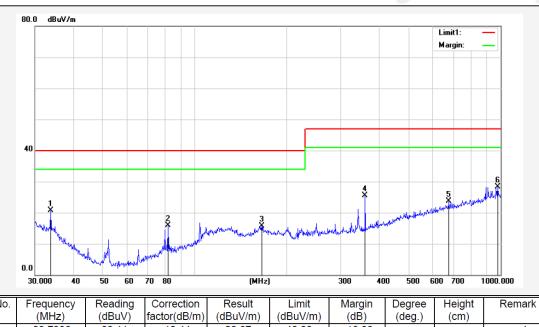


6*	982.6200	27.73	-0.56	27.17	47.00	-19.83		peak
5	763.3757	28.94	-3.61	25.33	47.00	-21.67		peak
4	360.4476	35.28	-11.39	23.89	47.00	-23.11		peak
3	216.0240	29.75	-14.44	15.31	40.00	-24.69		peak
2	126.3285	28.46	-12.12	16.34	40.00	-23.66		peak
								•

Remark: Absolute Level= Reading Level+ Factor, Margin= Absolute Level – Limit Factor=Ant. Factor + Cable Loss – Pre-amplifier

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Antenna polarity: V



No.	Frequency	Reading	Correction	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(deg.)	(cm)	
1	33.7986	33.11	-12.44	20.67	40.00	-19.33			peak
2	81.7833	34.31	-18.50	15.81	40.00	-24.19			peak
3	165.4867	26.91	-11.20	15.71	40.00	-24.29			peak
4	360.4477	36.80	-11.39	25.41	47.00	-21.59			peak
5	677.5798	28.91	-5.16	23.75	47.00	-23.25			peak
6*	979.1804	28.89	-0.66	28.23	47.00	-18.77			peak

Remark: Absolute Level= Reading Level+ Factor, Margin= Absolute Level – Limit Factor=Ant. Factor + Cable Loss – Pre-amplifier

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.
- (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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Above 1 GHz Test Results: CH Low (2449MHz)

Horizontal:

N

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2449	112.64	-5.84	106.8	114	-7.20	peak
2449	82.77	-5.84	76.93	94	-17.07	AVG
4898	56.34	-3.64	52.70	74	-21.30	peak
4898	48.66	-3.64	45.02	54	-8.98	AVG
7347	57.05	-0.95	56.10	74	-17.90	peak
7347	46.10	-0.95	45.15	54	-8.85	AVG
Remark: Fact	tor = Antenna	Factor + Cable	e Loss – Pre-ampli	ifier. Margin=	Absolute Le	vel – Limit

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector		
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре		
2449	111.86	-5.84	106.02	114	-7.98	peak		
2449	83.04	-5.84	77.20	94	-16.80	AVG		
4898	55.69	-3.64	52.05	74	-21.95	peak		
4898	49.36	-3.64	45.72	54	-8.28	AVG		
7347	56.72	-0.95	55.77	74	-18.23	peak		
7347	46.55	-0.95	45.60	54	-8.40	AVG		
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Margin= Absolute Level – Limit								



CH Middle (2465MHz)

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2465	111.79	-5.71	106.08	114	-7.92	peak
2465	83.20	-5.71	77.49	94	-16.51	AVG
4930	56.15	-3.51	52.64	74	-21.36	peak
4930	49.30	-3.51	45.79	54	-8.21	AVG
7395	56.28	-0.82	55.46	74	-18.54	peak
7395	45.89	-0.82	45.07	54	-8.93	AVG
Remark: Fact	or = Antenna	Factor + Cable	e Loss – Pre-ampli	fier. Margin=	Absolute Le	vel – Limit

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2465	111.47	-5.71	105.76	114	-8.24	peak
2465	83.27	-5.71	77.56	94	-16.44	AVG
4930	56.44	-3.51	52.93	74	-21.07	peak
4930	48.57	-3.51	45.06	54	-8.94	AVG
7395	56.30	-0.82	55.48	74	-18.52	peak
7395	44.76	-0.82	43.94	54	-10.06	AVG
Remark: Fact	or = Antenna I	Factor + Cabl	e Loss – Pre-ampli	fier. Margin=	Absolute Le	vel – Limit

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Horizontal:

CH High (2481MHz)

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2481	111.19	-5.65	105.54	114	-8.46	peak
2481	84.24	-5.65	78.59	94	-15.41	AVG
4962	55.64	-3.43	52.21	74	-21.79	peak
4962	48.31	-3.43	44.88	54	-9.12	AVG
7443	55.53	-0.75	54.78	74	-19.22	peak
7443	46.37	-0.75	45.62	54	-8.38	AVG
Remark: Fact	or = Antenna	Factor + Cabl	e Loss – Pre-ampli	ifier. Margin=	Absolute Le	vel – Limit

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	▲ (dBµV/m)	(dBµV/m)	(dB)	Туре
2481	110.83	-5.65	105.18	114	-8.82	peak
2481	85.37	-5.65	79.72	94	-14.28	AVG
4962	56.12	-3.43	52.69	74	-21.31	peak
4962	47.92	-3.43	44.49	54	-9.51	AVG
7443	54.78	-0.75	54.03	74	-19.97	peak
7443	45.35	-0.75	44.60	54	-9.40	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Margin= Absolute Level – Limit

Remark :

(1) Measuring frequencies from 1 GHz to the 25 GHz \circ

(2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.

(3) * 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.

(4) Data of measurement within this frequency range shown "----" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.

(6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

深圳市优耐检测找分有限的odes of operation were investigated and the worst-case emissions are reported.

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5 BAND EDGE

5.1 Limits

FCC PART 15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

5.2 Test Procedure

The band edge compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW to 100KHz and VBM to 300KHz to measure the peak field strength and set RBW to 1MHz and VBW to 10Hz to measure the average radiated field strength. The conducted RF band edge was measured by using a spectrum analyzer. Set span wide enough to capture the highest in-band emission and the emission at the band edge. Set RBW to 100 KHz and VBW to 300 KHz, to measure the conducted peak band edge.

5.3 Test Result

PASS

Radiated Band Edge Test:

Operation Mode: TX CH Low (2449MHz)

Horizontal (Worst case):

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2310	59.76	-5.81	53.95	74	-20.05	peak
2310	/	-5.81		54	1	AVG
2390	56.85	-5.84	51.01	74	-22.99	peak
2390		-5.84	/	54	/	AVG
			D	5	7.	1

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Tortioan						
Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2310	58.43	-5.81	52.62	74	-21.38	peak
2310	1	-5.81	/	54	/	AVG
2390	57.40	-5.84	51.56	74	-22.44	peak
2390		-5.84	/	54	1	AVG
				1	•	6

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Operation Mode: TX CH High (2481MHz)

Horizontal (Worst case):

110112011tul (worst cusc).					
Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2483.5	56.84	-5.65	51.19	74	-22.81	peak
2483.5	1	-5.65	1	54	1	AVG
2500	56.48	-5.72	50.76	74	-23.24	peak
2500		-5.72		54	/	AVG
10 C						

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Reading Result	Factor	Emission Level	Limits	Margin	Detector
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
57.11	-5.65	51.46	74	-22.54	peak
/	-5.65	/	54	/	AVG
56.76	-5.72	51.04	74	-22.96	peak
	-5.72		54	/	AVG
	57.11	57.11 -5.65 / -5.65 56.76 -5.72	57.11 -5.65 51.46 / -5.65 / 56.76 -5.72 51.04	57.11 -5.65 51.46 74 / -5.65 / 54 56.76 -5.72 51.04 74	57.11 -5.65 51.46 74 -22.54 / -5.65 / 54 / 56.76 -5.72 51.04 74 -22.96

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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6.1 Test Setup Same as Radiated Emission Measurement

6.2 Test Procedure

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Set EUT as normal operation.
- 3. Based on ANSI C63.10 section 6.9.2: RBW=30KHz, VBW=100KHz, Span=2MHz.
- 4. The useful radiated emission from the EUT was detected by the spectrum analyzer with peak detector.

6.3 Measurement Equipment Used

Same as Radiated Emission Measurement

6.4 Test Result

PASS

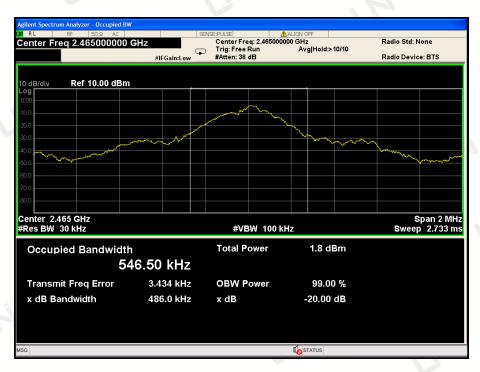
Frequency	20dB Bandwidth (MHz)	Result
2449 MHz	0.480	PASS
2465 MHz	0.486	PASS
2481 MHz	0.502	PASS

CH: 2449MHz

RL RF 50Ω AC Dan 2.0000 MHz	#IFGain:Low	Center Freq: 2.4490000	ALIGN OFF 100 GHz Avg Hold:>10/10	Radio Std: None Radio Device: BTS
dB/div Ref 10.00 dBm				
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0				my
0				
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enter 2.449 GHz				Span 2 M
Res BW 30 kHz		#VBW 100 kł	Hz	Sweep 2.733
Occupied Bandwidth		Total Power	2.5 dBm	
54	3.88 kHz			
Transmit Freq Error	-4.275 kHz	OBW Power	99.00 %	
	480.0 kHz	x dB	-20.00 dB	
x dB Bandwidth	400.0 KH2			
x dB Bandwidth	400.0 KHZ			

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#### CH: 2465MHz



#### CH: 2481MHz



STATUS

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## 7 ANTENNA REQUIREMENT

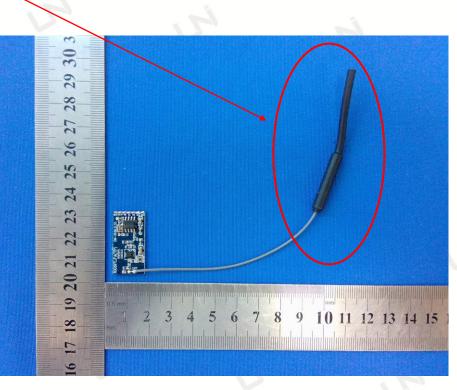
#### Standard Applicable:

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.

#### Antenna Connected Construction

The antenna used in this product is an External Antenna. The directional gains of antenna used for transmitting is 0.5dBi.

#### ANTENNA



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## 8 PHOTOGRAPH OF TEST

8.1 Radiated Emission





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8.2 Conducted Emission

N/A

***End of Report***

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