FCC TEST REPORT

Test report

On Behalf of

FENGYUAN TOYS INDUSTRY & COMMERCE CO., LTD.

For

Remote control toy series

Model No.: 28173

Serial Model：27160, 27161, 27162, 27163, 27164, 27165, 27166, 27167, 27110, 28137, 27106, 27102, 28309, 28308, 28301, 28178, 28171, 28165, 28163, 28162A, 28162B, 28161, 28160, 27101, 28175, 28172, 28170, 28168, 28166, 28305, 28306, 28303, 28130

FCC ID: 2ATT7-28173

Prepared for:	**FENGYUAN TOYS INDUSTRY & COMMERCE CO., LTD.** **CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA**
Prepared By:	**Shenzhen HUAK Testing Technology Co., Ltd.** **1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai Street, Bao'an District, Shenzhen City, China**
Date of Test:	**Jun. 19, 2019 ~ Jun. 26, 2019**
Date of Report:	**Jun. 26, 2019**
Report Number:	**HK1906201408E**

TEST RESULT CERTIFICATION

Applicant's name	:	FENGYUAN TOYS INDUSTRY & COMMERCE CO., LTD.
Address	:	CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA
Manufacture's Name	:	FENGYUAN TOYS INDUSTRY & COMMERCE CO., LTD.
Address	:	CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

Product description

Trade Mark:		N/A
Product name	:	Remote control toy series
Model and/or type reference	:	27160, 27161, 27162, 27163, 27164, 27165, 27166, 27167, 27110, 28137, 27106, 27102, 28309, 28308, 28301, 28178, 28171, 28165, 28163, 28162A, 28162B, 28161, 28160, 27101, 28175, 28173, 28172, 28170, 28168, 28166, 28305, 28306, 28303, 28130
Standards	:	FCC Rules and Regulations Part 15 Subpart C Section 15.249 ANSI C63.10: 2013

Date of Test	:	
Date (s) of performance of tests	:	Jun. 19, 2019 ~ Jun. 26, 2019
Date of Issue	:	Jun. 26, 2019
Test Result	:	**Pass**

Testing Engineer : Gary Qian

(Gary Qian)

Technical Manager : Eden Hu

(Eden Hu)

Authorized Signatory : Jason Zhou

(Jason Zhou)

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15.215	Bandwidth	COMPLIANT
15.205	Band Edge Emission	COMPLIANT
15.203	Antenna Requirement	COMPLIANT

1.2 TEST FACILITY

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

Address 1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai Street, Bao'an District, Shenzhen City, China

1.3 MEASUREMENT UNCERTAINTY

Measurement Uncertainty

Conducted Emission Expanded Uncertainty	=	2.23dB, k=2
Radiated emission expanded uncertainty(9kHz-30MHz)	=	3.08dB, k=2
Radiated emission expanded uncertainty(30MHz-1000MHz)	=	4.42dB, k=2
Radiated emission expanded uncertainty(Above 1GHz)	=	4.06dB, k=2

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Remote control toy series
Model Name	28173
Serial No.	27160, 27161, 27162, 27163, 27164, 27165, 27166, 27167, 27110, 28137, 27106, 27102, 28309, 28308, 28301, 28178, 28171, 28165, 28163, 28162A, 28162B, 28161, 28160, 27101, 28175, 28172, 28170, 28168, 28166, 28305, 28306, 28303, 28130
Trade Mark	N/A
Model Difference	All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample model: 28173.
FCC ID	**2ATT7-28173**
Antenna Type	Internal Antenna
Antenna Gain	0dBi
BT Operation frequency	2405-2475MHz
Number of Channels	71CH
Modulation Type	GFSK
Battery	3V
Power Source	DC 3V from 2*1.5V "AA"

2.2 Carrier Frequency of Channels

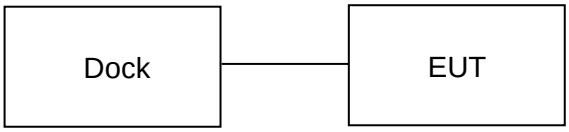
Channel List							
Channel	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**
0	2405	18	2423	36	2441	54	2459
1	2406	19	2424	37	2442	55	2460
2	2407	20	2425	38	2443	56	2461
3	2408	21	2426	39	2444	57	2462
4	2409	22	2427	40	2445	58	2463
5	2410	23	2428	41	2446	59	2464
6	2411	24	2429	42	2447	60	2465
7	2412	25	2430	43	2448	61	2466
8	2413	26	2431	44	2449	62	2467
9	2414	27	2432	45	2450	63	2468
10	2415	28	2433	46	2451	64	2469
11	2416	29	2434	47	2452	65	2470
12	2417	30	2435	48	2453	66	2471
13	2418	31	2436	49	2454	67	2472
14	2419	32	2437	50	2455	68	2473
15	2420	33	2438	51	2456	69	2474
16	2421	34	2439	52	2457	70	2475
17	2422	35	2440	53	2458		

2.3 Operation of EUT during testing

Operating Mode
The mode is used: **Transmitting mode**
Low Channel: 2405MHz
Middle Channel: 2440MHz
High Channel: 2475MHz

2.4 DESCRIPTION OF TEST SETUP

Operation of EUT during Conducted testing:



Note: Dock is only a connector, there is no extra circuit.

Operation of EUT during Radiation and Above1GHz Radiation testing:

2.5 MEASUREMENT INSTRUMENTS LIST

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	R&S	ENV216	HKE-002	Dec. 28, 2018	1 Year
2.	Receiver	R&S	ESCI 7	HKE-010	Dec. 28, 2018	1 Year
3.	RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 28, 2018	1 Year
4.	Spectrum analyzer	R&S	FSP40	HKE-025	Dec. 28, 2018	1 Year
5.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 28, 2018	1 Year
6.	Preamplifier	Schwarzbeck	BBV 9743	HKE-006	Dec. 28, 2018	1 Year
7.	EMI Test Receiver	Rohde & Schwarz	ESCI 7	HKE-010	Dec. 28, 2018	1 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	HKE-012	Dec. 28, 2018	1 Year
9.	Loop Antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Dec. 28, 2018	1 Year
10.	Horn Antenna	Schewarzbeck	9120D	HKE-013	Dec. 28, 2018	1 Year
11.	Pre-amplifier	EMCI	EMC051845 SE	HKE-015	Dec. 28, 2018	1 Year
12.	Pre-amplifier	Agilent	83051A	HKE-016	Dec. 28, 2018	1 Year
13.	EMI Test Software EZ-EMC	Tonscend	JZOZtheBO T120-B Version	HKE-083	N/A	N/A
14.	Power Sensor	Agilent	E9300A	HKE-086	Dec. 28, 2018	1 Year
15.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 28, 2018	1 Year
16.	Signal generator	Agilent	N5182A	HKE-029	Dec. 28, 2018	1 Year
17.	Signal Generator	Agilent	83630A	HKE-028	Dec. 28, 2018	1 Year
18.	Shielded room	Shiel Hong	4*3*3	HKE-039	Dec. 28, 2017	3 Year
19	Hf antenna	Schwarzbeck	LB-180400-KF	HKE-031	Dec. 28, 2018	1 Year

3. CONDUCTED EMISSIONS TEST

3.1 Conducted Power Line Emission Limit

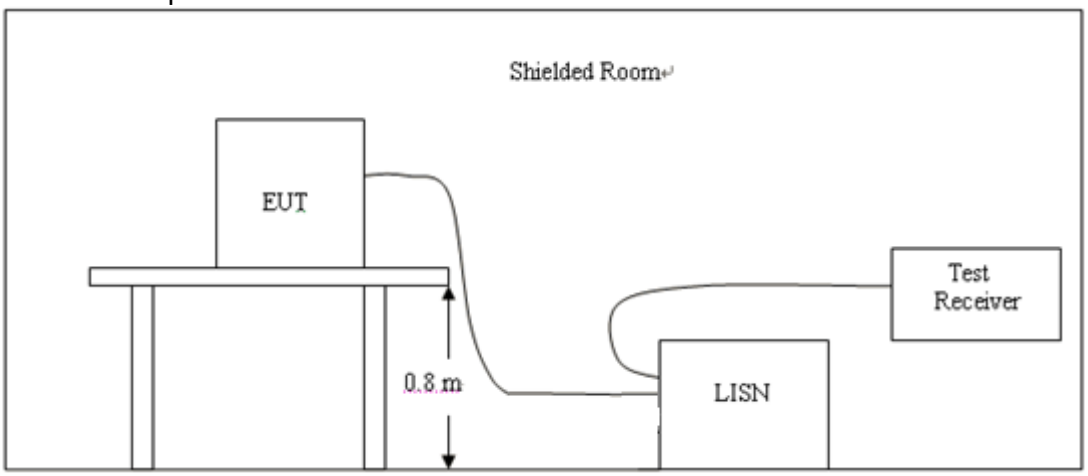
For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following

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

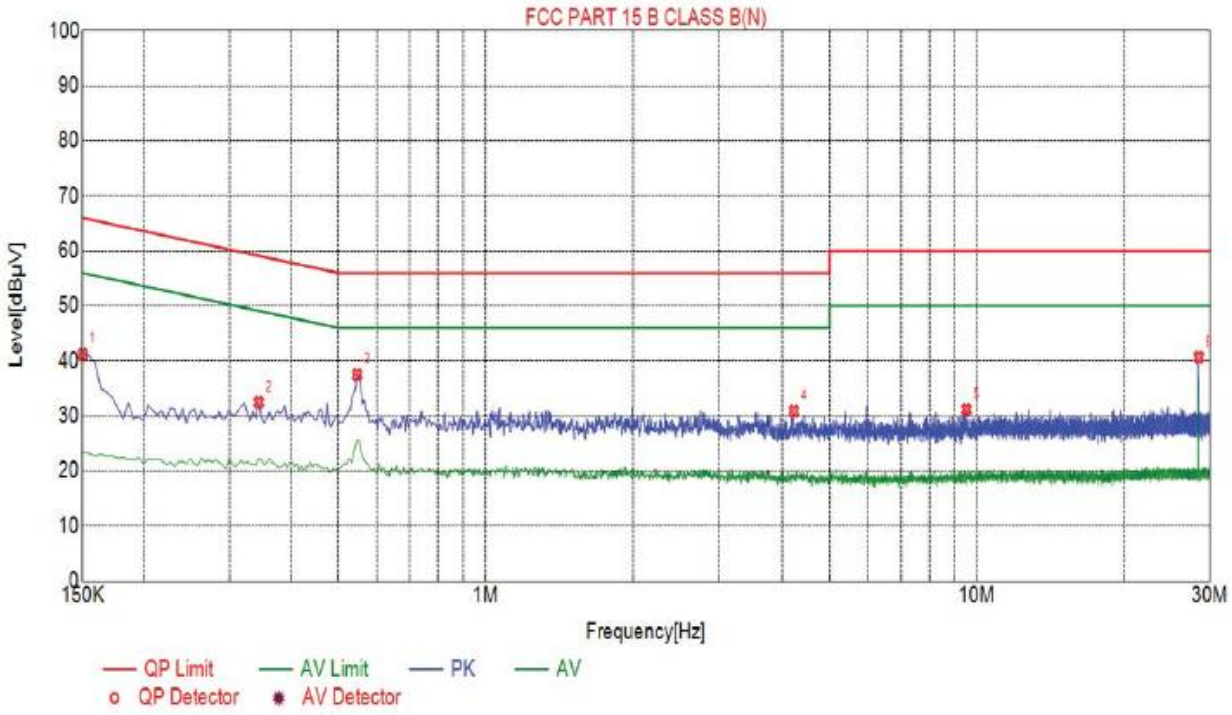
1, The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
2, Support equipment, if needed, was placed as per ANSI 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.

3.4 Test Result

PASS

1. All modes were tested at AC 120V and 240V, only the worst result of AC 120V was reported.
2. All modes of Low, Middle, and High channel were tested, only the worst result of Low Channel was reported as below:

Test Specification: Neutral

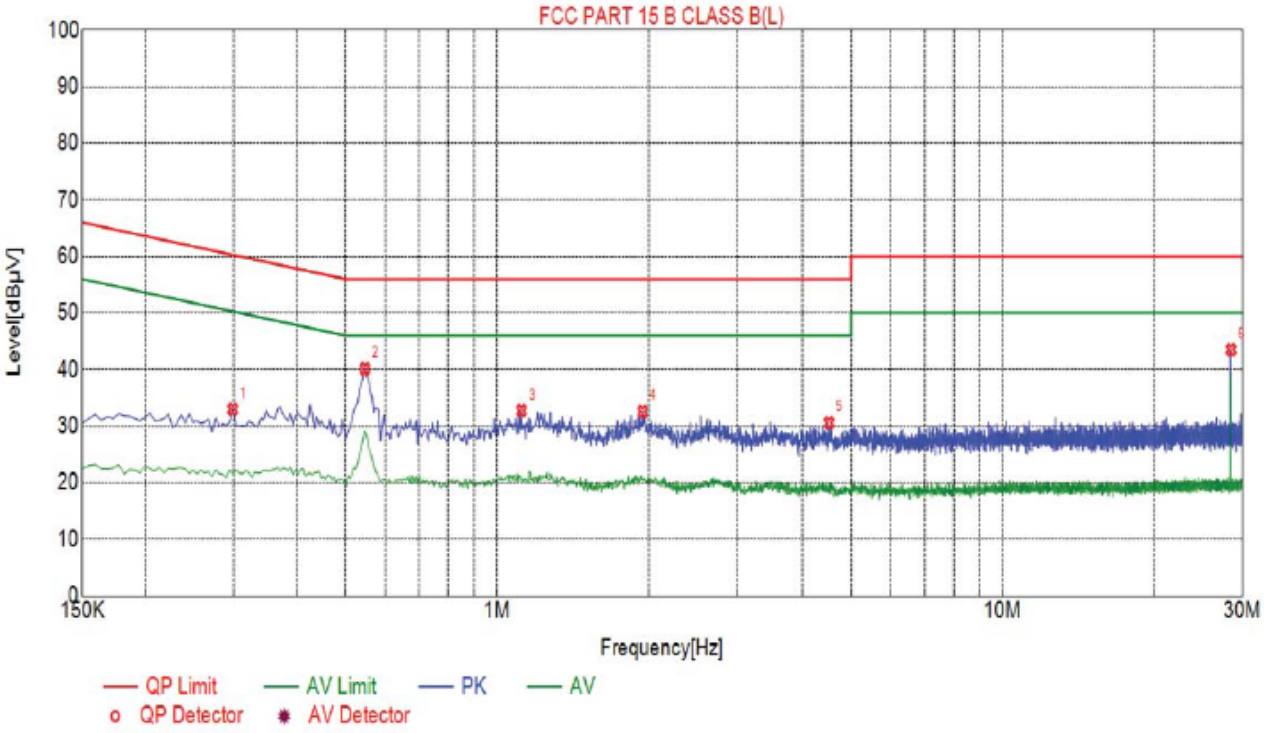


Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.1500	41.21	10.03	66.00	24.79	PK
2	0.3435	32.50	10.03	59.12	26.62	PK
3	0.5460	37.53	10.06	56.00	18.47	PK
4	4.2315	30.91	10.25	56.00	25.09	PK
5	9.5280	31.18	10.09	60.00	28.82	PK
6	28.4370	40.65	10.26	60.00	19.35	PK

Remark: Transd = Cableloss + Antenna factor - Pre-amplifier; Margin = Limit – Level

Test Specification: Line



Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.2985	33.02	10.04	60.28	27.26	PK
2	0.5460	40.14	10.06	56.00	15.86	PK
3	1.1175	32.78	10.08	56.00	23.22	PK
4	1.9455	32.59	10.14	56.00	23.41	PK
5	4.5195	30.61	10.25	56.00	25.39	PK
6	28.4415	43.53	10.26	60.00	16.47	PK

Remark: Transd = Cableloss + Antenna factor - Pre-amplifier; Margin = Limit – Level

4 RADIATED EMISSION TEST

4.1 Radiation Limit

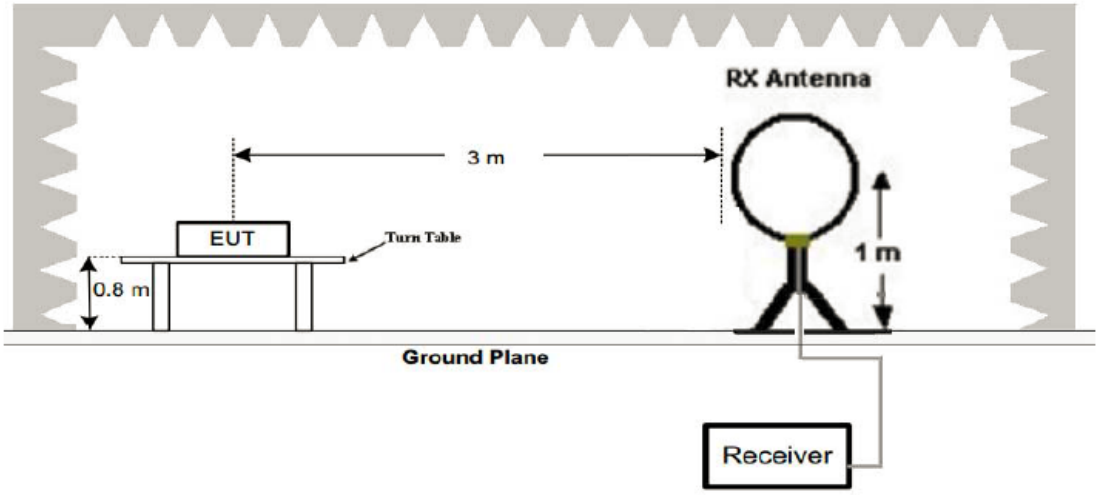
For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values：

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

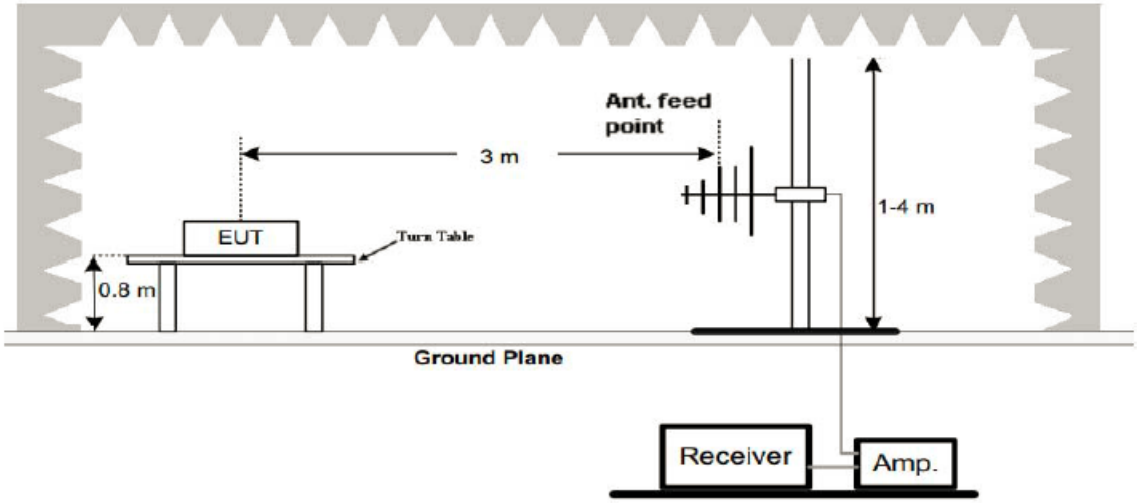
For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

4.2 Test Setup

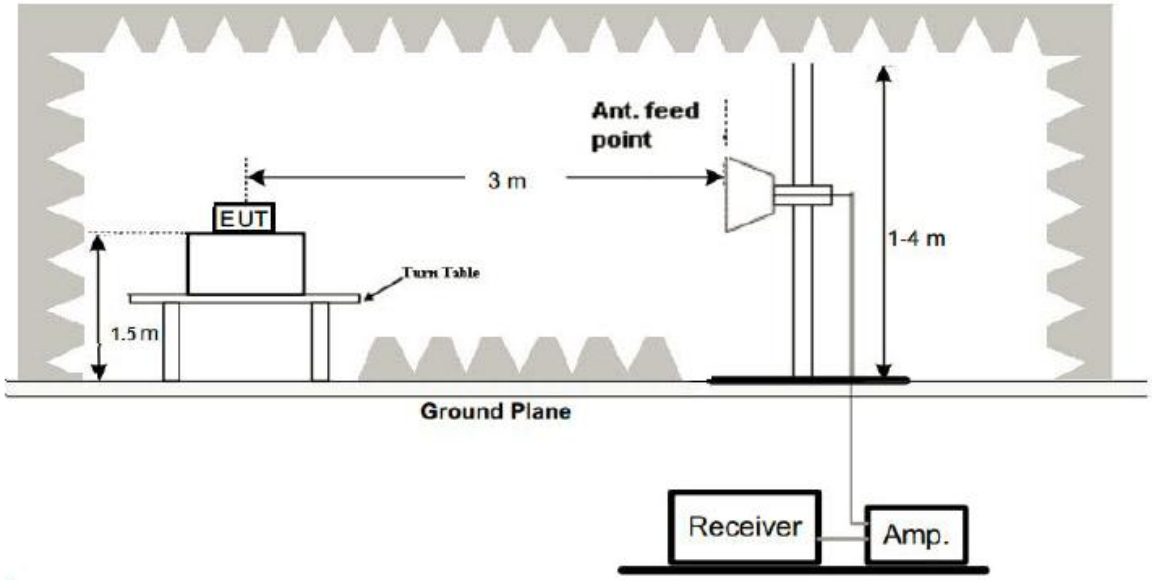
（1）Radiated Emission Test-Up Frequency Below 30MHz



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



（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

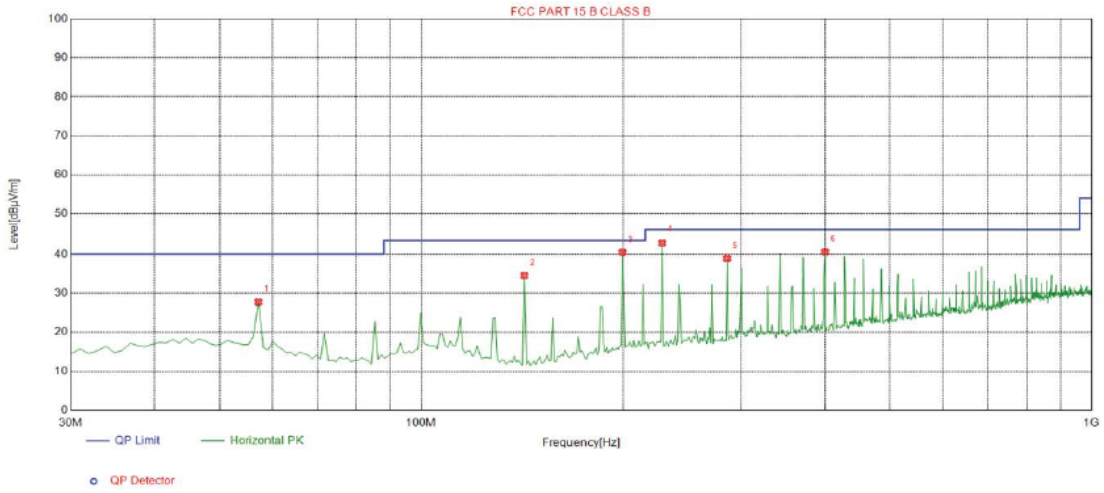
PASS

Remark:

1. All the test modes completed for test. The worst case of Radiated Emission is Low channel, the test data of this mode 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.

Below 1GHz Test Results:

Antenna polarity: H

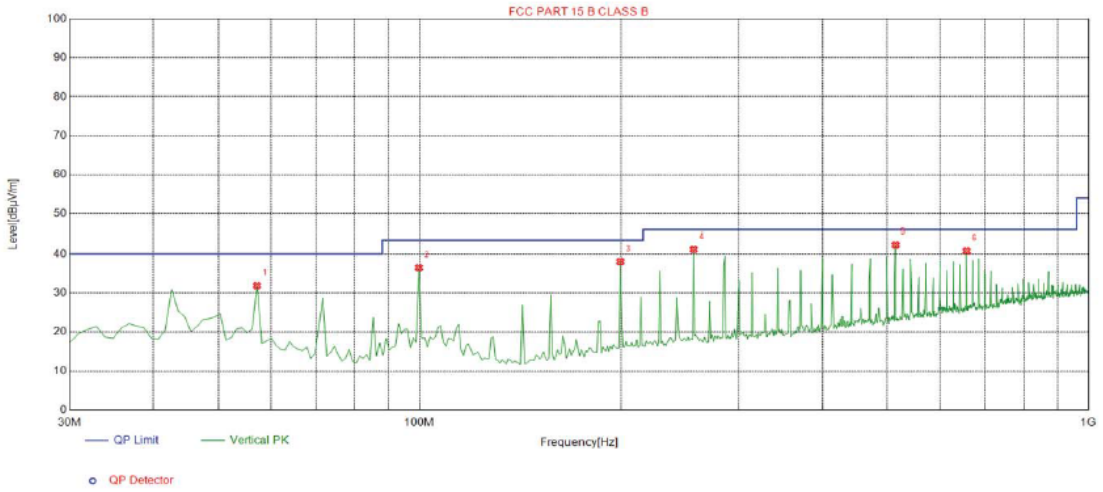


Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	57.1600	27.74	-14.73	40.00	12.26	100	346	Horizontal
2	142.520	34.50	-19.12	43.50	9.00	100	28	Horizontal
3	199.750	40.50	-15.08	43.50	3.00	100	253	Horizontal
4	228.850	42.82	-14.35	46.00	3.18	100	70	Horizontal
5	286.080	38.91	-13.00	46.00	7.09	100	232	Horizontal
6	400.540	40.58	-10.40	46.00	5.42	100	272	Horizontal

Remark: Transd = Cableloss + Antenna factor - Pre-amplifier; Margin = Limit – Level

Antenna polarity: V



Suspected List

Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	57.1600	31.87	-14.73	40.00	8.13	100	337	Vertical
2	99.8400	36.50	-15.43	43.50	7.00	100	210	Vertical
3	199.750	38.05	-15.08	43.50	5.45	100	255	Vertical
4	256.980	41.15	-13.48	46.00	4.85	100	11	Vertical
5	515.000	42.33	-7.87	46.00	3.67	100	34	Vertical
6	657.590	40.78	-5.34	46.00	5.22	100	316	Vertical

Remark: Transd = Cableloss + Antenna factor - Pre-amplifier; Margin = Limit – Level

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.

Above 1 GHz Test Results:

CH Low (2405MHz)

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2405	108.89	-5.83	103.06	114	-10.94	peak
2405	95.72	-5.83	89.89	94	-4.11	AVG
4810	56.47	-3.63	52.84	74	-21.16	peak
4810	47.76	-3.63	44.13	54	-9.87	AVG
7215	58.90	-0.94	57.96	74	-16.04	peak
7215	48.22	-0.94	47.28	54	-6.72	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2405	108.41	-5.83	102.58	114	-11.42	peak
2405	95.43	-5.83	89.60	94	-4.40	AVG
4810	56.30	-3.63	52.67	74	-21.33	peak
4810	47.20	-3.63	43.57	54	-10.43	AVG
7215	58.10	-0.94	57.16	74	-16.84	peak
7215	48.17	-0.94	47.23	54	-6.77	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

CH Middle (2440MHz)

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2440	108.26	-5.71	102.55	114	-11.45	peak
2440	95.07	-5.71	89.36	94	-4.64	AVG
4880	56.09	-3.51	52.58	74	-21.42	peak
4880	46.88	-3.51	43.37	54	-10.63	AVG
7320	58.00	-0.82	57.18	74	-16.82	peak
7320	47.89	-0.82	47.07	54	-6.93	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2440	108.15	-5.71	102.44	114	-11.56	peak
2440	93.01	-5.71	87.30	94	-6.70	AVG
4880	56.10	-3.51	52.59	74	-21.41	peak
4880	47.02	-3.51	43.51	54	-10.49	AVG
7320	57.87	-0.82	57.05	74	-16.95	peak
7320	47.82	-0.82	47.00	54	-7.00	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

CH High (2480MHz)

Horizontal:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2475	108.15	-5.66	102.49	114	-11.51	peak
2475	93.17	-5.66	87.51	94	-6.49	AVG
4950	56.18	-3.45	52.73	74	-21.27	peak
4950	47.47	-3.45	44.02	54	-9.98	AVG
7425	57.24	-0.78	56.46	74	-17.54	peak
7425	47.65	-0.75	46.90	54	-7.10	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2475	107.19	-5.66	101.53	114	-12.47	peak
2475	92.67	-5.66	87.01	94	-6.99	AVG
4950	56.05	-3.45	52.60	74	-21.40	peak
4950	47.45	-3.45	44.00	54	-10.00	AVG
7425	57.00	-0.78	56.22	74	-17.78	peak
7425	47.52	-0.75	46.77	54	-7.23	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Remark：
(1) Measuring frequencies from 1 GHz to the 25 GHz。
(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.
(7)All modes of operation were investigated and the worst-case emissions are reported.

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 (2405MHz)

Horizontal (Worst case)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310	53.26	-5.81	47.45	74	-26.55	peak
2310	/	-5.81	/	54	/	AVG
2390	51.39	-5.84	45.55	74	-28.45	peak
2390	/	-5.84	/	54	/	AVG
2400	52.98	-5.84	47.14	74	-26.86	peak
2400	/	-5.84	/	54	/	AVG

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310	54.26	-5.81	48.45	74	-25.55	peak
2310	/	-5.81	/	54	/	AVG
2390	52.94	-5.84	47.1	74	-26.9	peak
2390	/	-5.84	/	54	/	AVG
2400	53.36	-5.84	47.52	74	-26.48	peak
2400	/	-5.84	/	54	/	AVG

Operation Mode: TX CH High (2475MHz)

Horizontal (Worst case)

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.15	-5.65	50.5	74	-23.5	peak
2483.50	/	-5.65	/	54	/	AVG
2500.00	53.42	-5.65	47.77	74	-26.23	peak
2500.00	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	54.33	-5.65	48.68	74	-25.32	peak
2483.50	/	-5.65	/	54	/	AVG
2500.00	52.52	-5.65	46.87	74	-27.13	peak
2500.00	/	-5.65	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						

6 OCCUPIED BANDWIDTH MEASUREMENT

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= 91 KHz, Span=3MHz.
4. The useful radiated emission from the EUT was detected by the spectrum analyser with peak detector.

6.3 Measurement Equipment Used

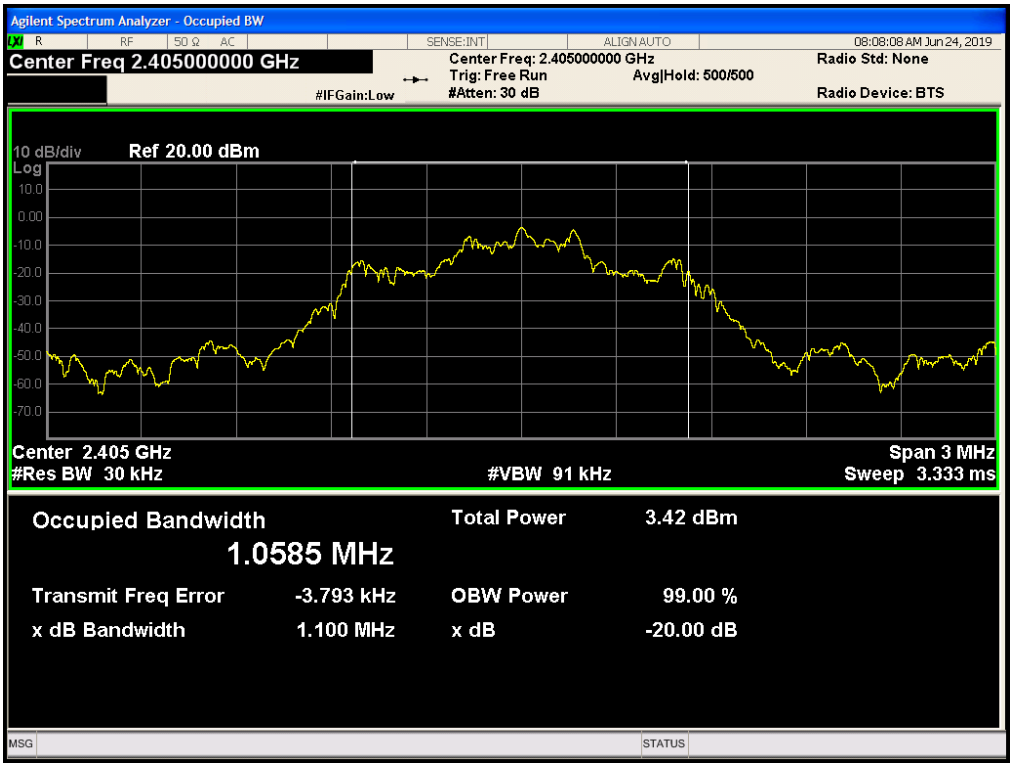
Same as Radiated Emission Measurement

6.4 Test Result

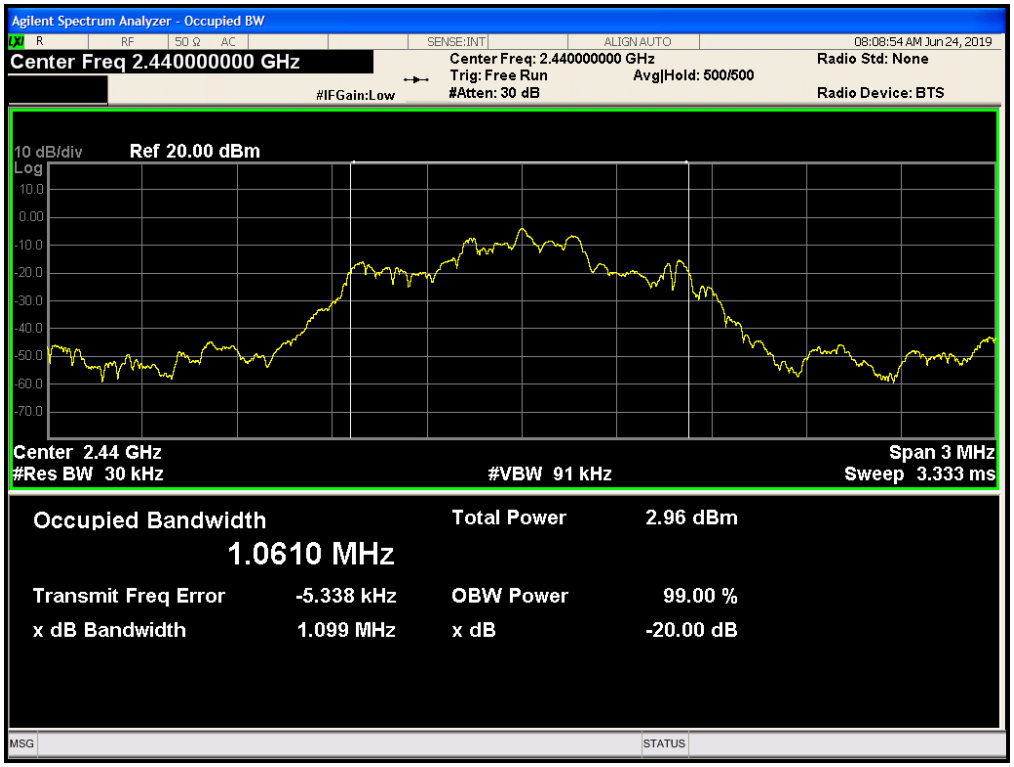
PASS

Frequency	20dB Bandwidth (MHz)	Result
2405 MHz	1.100	**PASS**
2440 MHz	1.099	**PASS**
2475 MHz	1.112	**PASS**

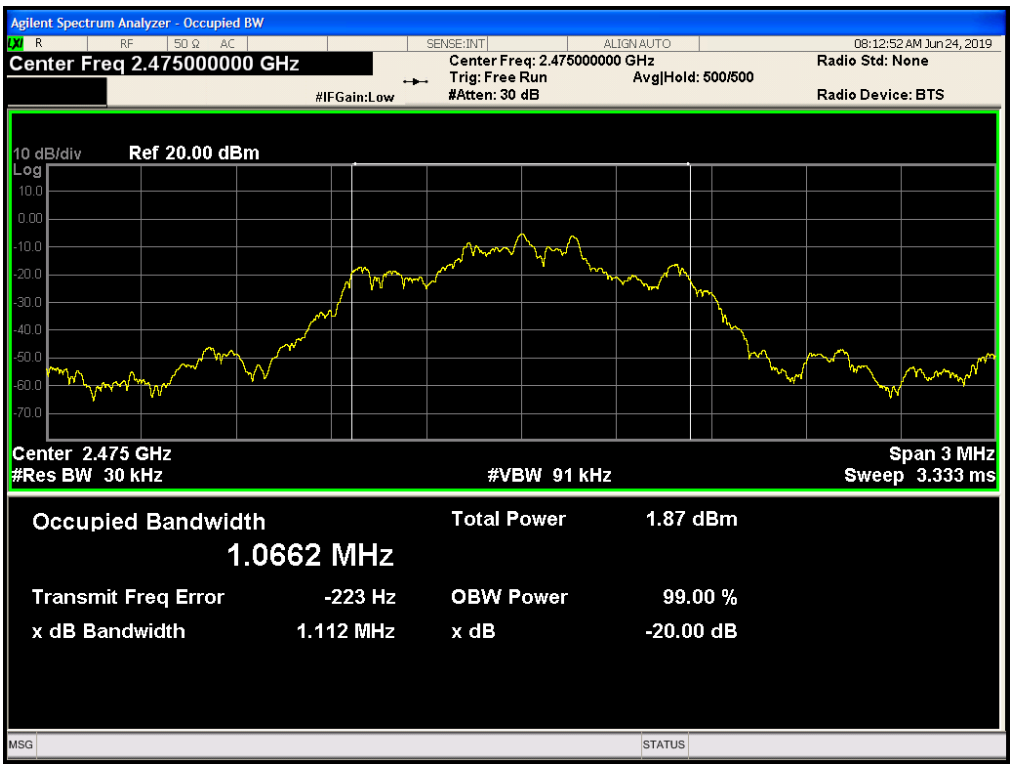
CH: 2405MHz



CH: 2440MHz



CH: 2475MHz



7 ANTENNA REQUIREMENT

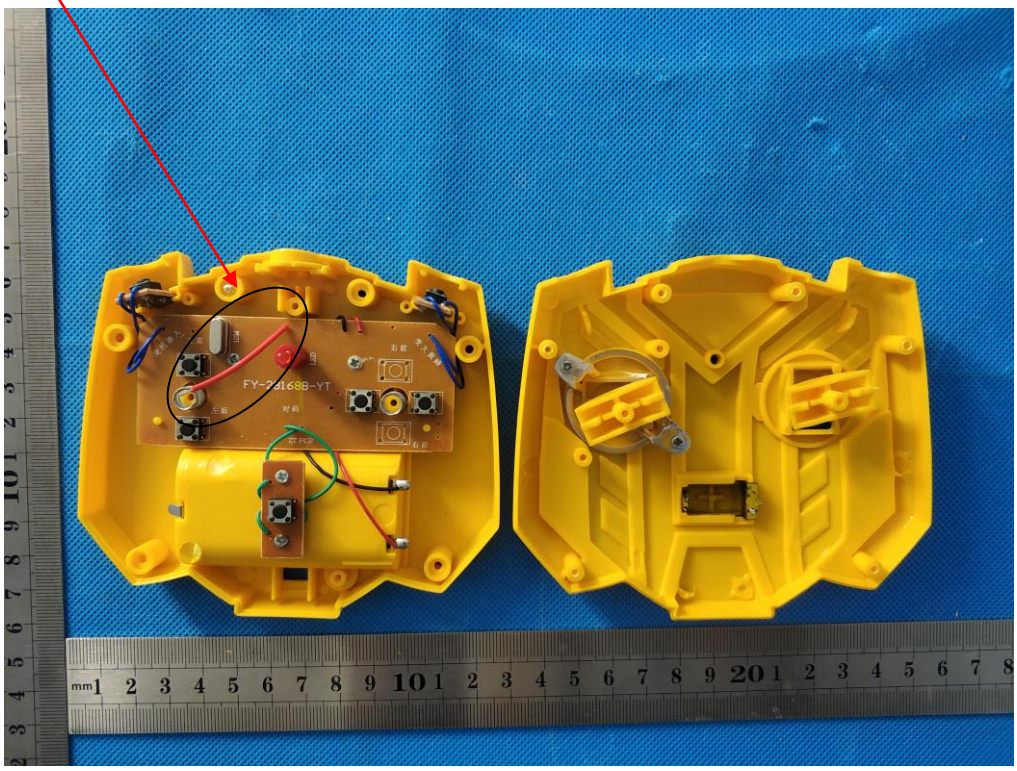
Standard Applicable

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. And according to FCC 47 CFR Section 15.249, 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.

Antenna Connected Construction

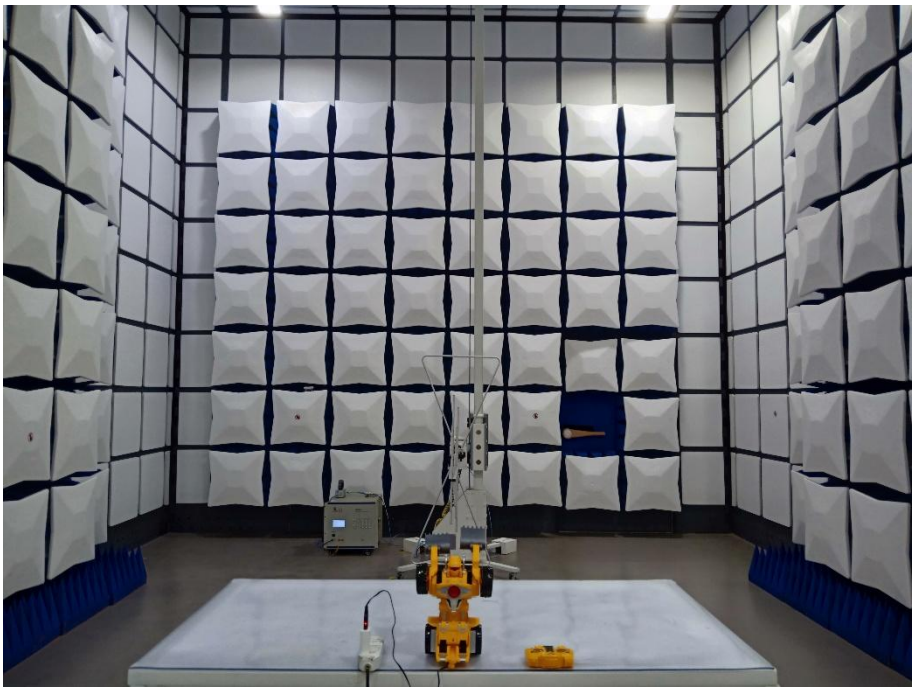
The antenna used in this product is a PCB Antenna, the directional gains of antenna used for transmitting is 0dBi.

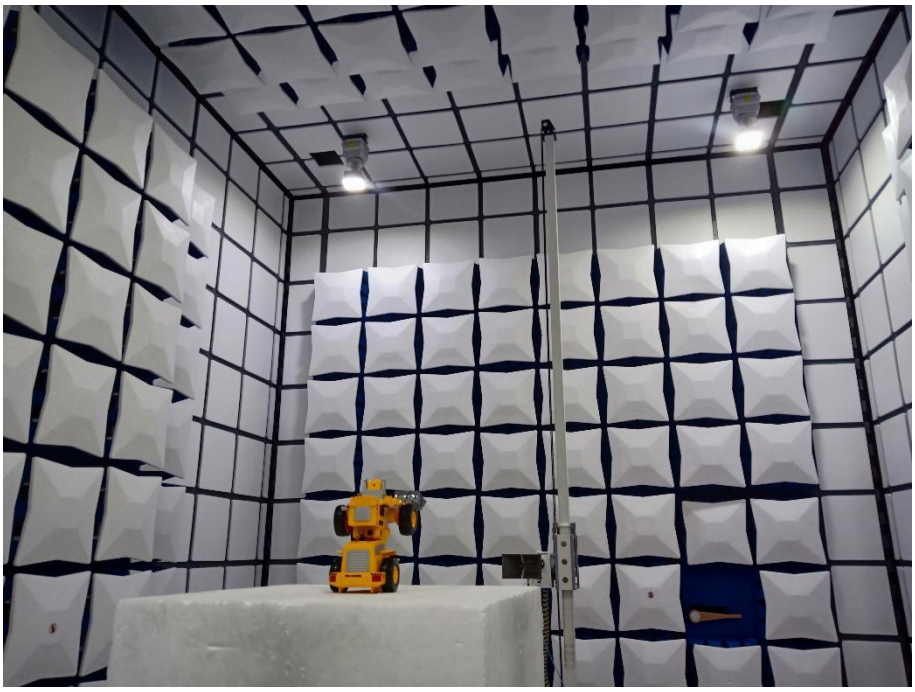
ANTENNA



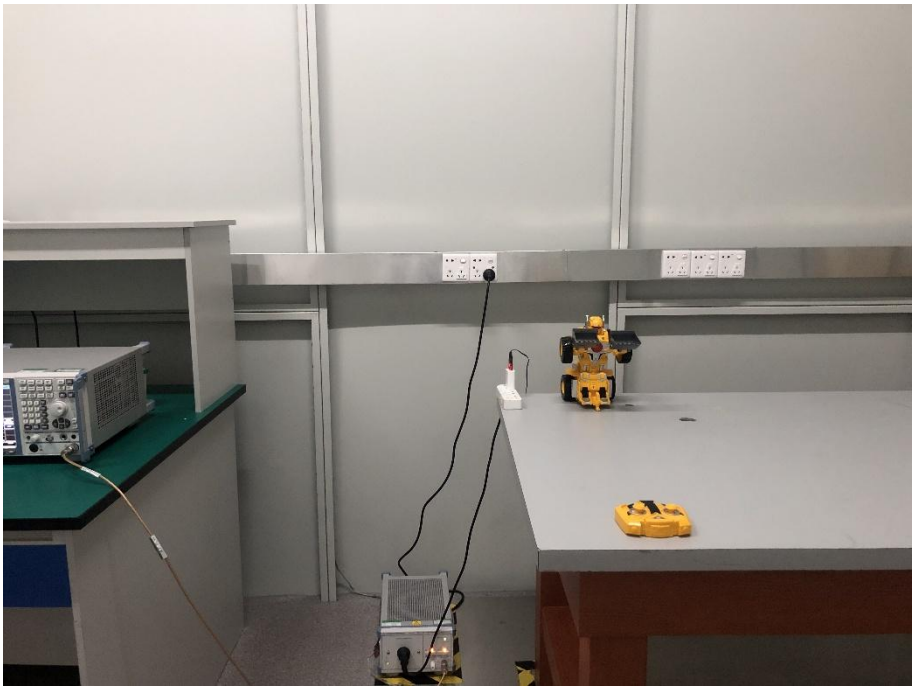
8 PHOTOGRAPH OF TEST

Radiated Emission





Conducted Emission



End of Report