

# RF TEST REPORT

For

**Chuyu Toy Industry Co., Ltd**

**Product Name: Remote-controlled dinosaur electric toy**

**Test Model(s): Y333-35**

**Report Reference No.** : DACE250812001RL001

**FCC ID** : 2BR3U-Y333-35

**Applicant's Name** : Chuyu Toy Industry Co., Ltd

**Address** : 2nd Floor, No. 6 Yongtai 6th Road, West Gate, Chenghua Street, Chenghai District, Shantou City, Guangdong Province, China

**Testing Laboratory** : Shenzhen DACE Testing Technology Co., Ltd.

**Address** : 102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

**Test Specification Standard** : 47 CFR Part 15.249

**Date of Receipt** : August 12, 2025

**Date of Test** : August 12, 2025 to August 28, 2025

**Date of Issue** : August 28, 2025

**Result** : Pass

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## Apply for company information

<b>Applicant's Name</b>	:	Chuyu Toy Industry Co., Ltd
<b>Address</b>	:	2nd Floor, No. 6 Yongtai 6th Road, West Gate, Chenghua Street, Chenghai District, Shantou City, Guangdong Province, China
<b>Product Name</b>	:	Remote-controlled dinosaur electric toy
<b>Test Model(s)</b>	:	Y333-35
<b>Series Model(s)</b>	:	Y333-36, Y333-37, Y333-40, Y333-41, Y333-45, Y333-46, Y333-501, Y333-501A, Y333-501B, Y333-502, Y333-502A, Y333-502B, Y333-38, Y333-39, Y333-42, Y333-43, Y333-47, Y333-48
<b>Test Specification Standard(s)</b>	:	47 CFR Part 15.249

**NOTE1:**

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Compiled by:

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August 28, 2025

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Ben Tang / Project Engineer

August 28, 2025

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Machael Mo

Machael Mo / Manager

August 28, 2025

## Revision History Of Report

Version	Description	REPORT No.	Issue Date
V1.0	Original	DACE250812001RL001	August 28, 2025

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## 1 TEST SUMMARY

### 1.1 Test Standards

The tests were performed according to following standards:

**47 CFR Part 15.249:** Operation within the bands 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHZ, and 24.0-24.25 GHz

### 1.2 Summary of Test Result

Item	Standard	Method	Requirement	Result
Antenna requirement	47 CFR Part 15.249		47 CFR Part 15.203	Pass
Occupied Bandwidth	47 CFR Part 15.249	ANSI C63.10-2020, section 6.9.2	47 CFR 15.215(c)	Pass
Field strength of fundamental	47 CFR Part 15.249	ANSI C63.10-2020 section 6.6	47 CFR 15.249(a) 47 CFR 15.249(b)(1)	Pass
Band edge emissions (Radiated)	47 CFR Part 15.249	ANSI C63.10-2020 section 6.6.4	47 CFR 15.249(d)	Pass
Emissions in frequency bands (below 1GHz)	47 CFR Part 15.249	ANSI C63.10-2020 section 6.5	47 CFR 15.249(a) 47 CFR 15.249(d) 47 CFR 15.249(e)	Pass
Emissions in frequency bands (above 1GHz)	47 CFR Part 15.249	ANSI C63.10-2020 section 6.6	47 CFR 15.249(a) 47 CFR 15.249(d) 47 CFR 15.249(e)	Pass

## 2 GENERAL INFORMATION

### 2.1 Client Information

**Applicant's Name** : Chuyu Toy Industry Co., Ltd  
**Address** : 2nd Floor, No. 6 Yongtai 6th Road, West Gate, Chenghua Street, Chenghai District, Shantou City, Guangdong Province, China

**Manufacturer** : Chuyu Toy Industry Co., Ltd  
**Address** : 2nd Floor, No. 6 Yongtai 6th Road, West Gate, Chenghua Street, Chenghai District, Shantou City, Guangdong Province, China

### 2.2 Description of Device (EUT)

Product Name:	Remote-controlled dinosaur electric toy
Model/Type reference:	Y333-35
Series Model:	Y333-36, Y333-37, Y333-40, Y333-41, Y333-45, Y333-46, Y333-501, Y333-501A, Y333-501B, Y333-502, Y333-502A, Y333-502B, Y333-38, Y333-39, Y333-42, Y333-43, Y333-47, Y333-48
Model Difference:	The product has many models, only the model name and color, Differences in appearance and shape is different, and the other parts such as the circuit principle, pcb and electrical structure are the same.
Trade Mark:	N/A
Power Supply:	DC3.0V
Operation Frequency:	2405MHz
Number of Channels:	1
Modulation Type:	GFSK
Antenna Type:	PCB
Antenna Gain:	0dBi
Hardware Version:	V1.0
Software Version:	V1.0

### 2.3 Description of Test Modes

No	Title	Description
TM1	TX	2405MHz

### 2.4 Description of Support Units

Title	Manufacturer	Model No.	Serial No.
Battery	/	AAA (1.5V)	/

## 2.5 Equipments Used During The Test

Occupied Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RF Test Software	Tachoy Information Technology(shenzhen) Co.,Ltd.	RTS-01	V1.0.0	/	/
Power divider	MIDWEST	PWD-2533	SMA-79	2025-04-18	2026-05-10
RF Sensor Unit	Tachoy Information Technology(shenzhen) Co.,Ltd.	TR1029-2	000001	/	/
Wideband radio communication tester	R&S	CMW500	113410	2025-04-25	2026-04-24
Vector Signal Generator	Keysight	N5181A	MY50143455	2024-12-06	2025-12-05
Signal Generator	Keysight	N5182A	MY48180415	2024-12-06	2025-12-05
Spectrum Analyzer	Keysight	N9020A	MY53420323	2024-12-06	2025-12-05

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test software	Farad	EZ -EMC	V1.1.42	/	/
Positioning Controller	MF	MF-7802	/	/	/
Amplifier(18-40G)	COM-POWER	AH-1840	10100008-1	2024-04-26	2027-04-25
Horn antenna	COM-POWER	AH-1840 (18-40G)	10100008	2024-04-26	2027-04-25
Loop antenna	ZHINAN	ZN30900C	ZN30900C	2025-04-28	2026-04-27
Cable(LF)#2	Schwarzbeck	/	/	2024-12-19	2025-12-18
Cable(LF)#1	Schwarzbeck	/	/	2024-12-19	2025-12-18
Cable(HF)#2	Schwarzbeck	AK9515E	96250	2025-04-25	2026-04-24
Cable(HF)#1	Schwarzbeck	SYV-50-3-1	/	2025-04-25	2026-04-24
Power amplifier(LF)	Schwarzbeck	BBV9743	9743-151	2025-04-29	2026-04-28
Power amplifier(HF)	Schwarzbeck	BBV9718	9718-282	2025-04-29	2026-04-28
Wideband radio communication tester	R&S	CMW500	113410	2025-04-25	2026-04-24
Spectrum Analyzer	R&S	FSP30	1321.3008K40 -101729-jR	2025-04-18	2026-04-17
Test Receiver	R&S	ESCI 3	1166.5950K03 -101431-Jq	2025-04-18	2026-04-17
Horn Antenna	Sunol Sciences	DRH-118	A091114	2025-04-21	2026-04-20
Broadband Antenna	Sunol Sciences	JB6 Antenna	A090414	2024-09-28	2026-09-27

## 2.6 Statement Of The Measurement Uncertainty

Test Item	Measurement Uncertainty
Occupied Bandwidth	±3.63%
Radiated Emission (Above 1GHz)	±5.46dB
Radiated Emission (Below 1GHz)	±5.79dB
Note: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

## 2.7 Identification of Testing Laboratory

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252

### Identification of the Responsible Testing Location

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252
Designation Number:	CN1342
Test Firm Registration Number:	778666
A2LA Certificate Number:	6270.01

## 2.8 Announcement

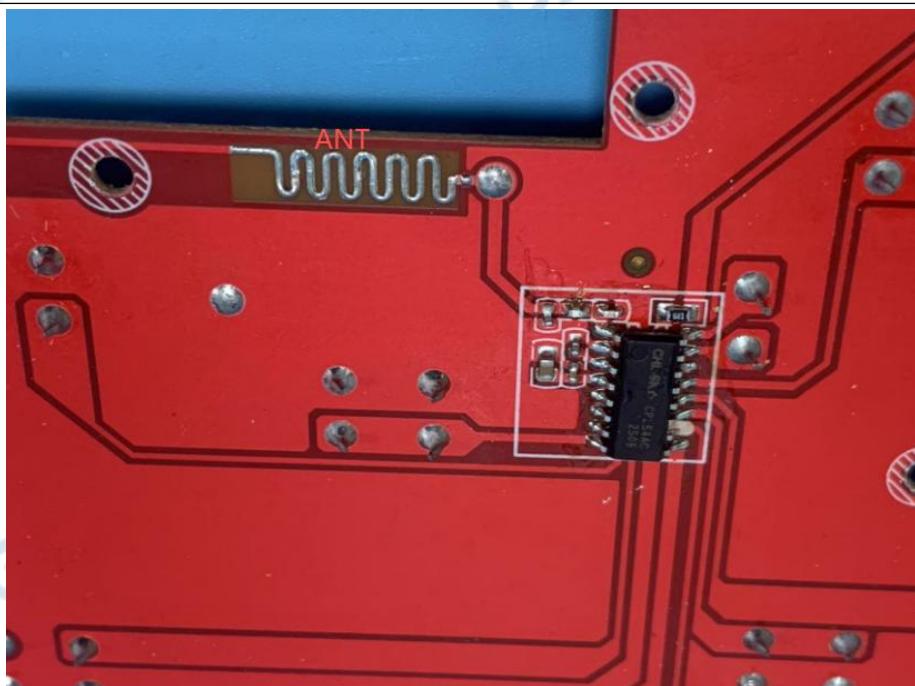
- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by DACE and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

### 3 Evaluation Results (Evaluation)

#### 3.1 Antenna requirement

Test Requirement:	Refer to 47 CFR Part 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.
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##### 3.1.1 Conclusion:



## 4 Radio Spectrum Matter Test Results (RF)

### 4.1 Occupied Bandwidth

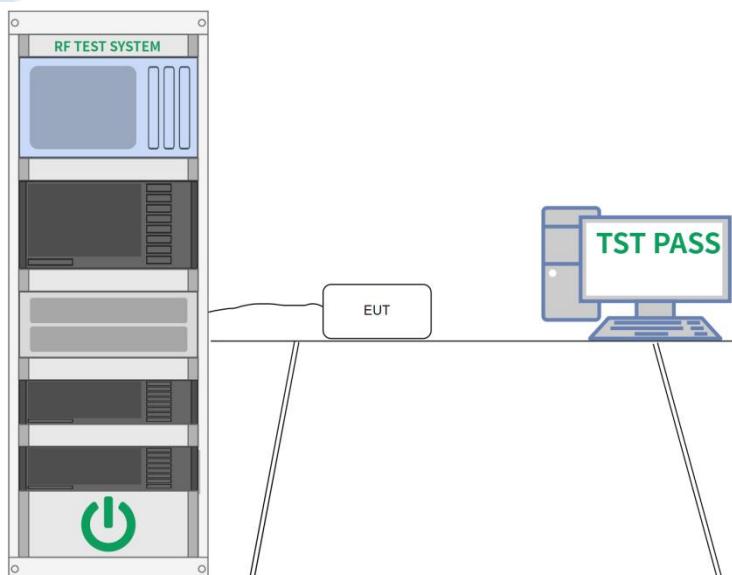
Test Requirement:	47 CFR 15.215(c)
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.
Test Method:	ANSI C63.10-2020, section 6.9.2
Procedure:	<p>a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.</p> <p>b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement.</p> <p>c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than <math>[10 \log (\text{OBW}/\text{RBW})]</math> below the reference level. Specific guidance is given in 4.1.5.2.</p> <p>d) Steps a) through c) might require iteration to adjust within the specified tolerances.</p> <p>e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target “-xx dB down” requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.</p> <p>f) Set detection mode to peak and trace mode to max hold.</p> <p>g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).</p> <p>h) Determine the “-xx dB down amplitude” using <math>[(\text{reference value}) - \text{xx}]</math>. Alternatively, this calculation may be made by using the marker-delta function of the instrument.</p> <p>i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j).</p> <p>j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-xx dB down amplitude” determined in step h). If a marker is below this “-xx dB down amplitude” value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the “-xx dB down amplitude” determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.</p> <p>k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).</p>

#### 4.1.1 E.U.T. Operation:

Operating Environment:

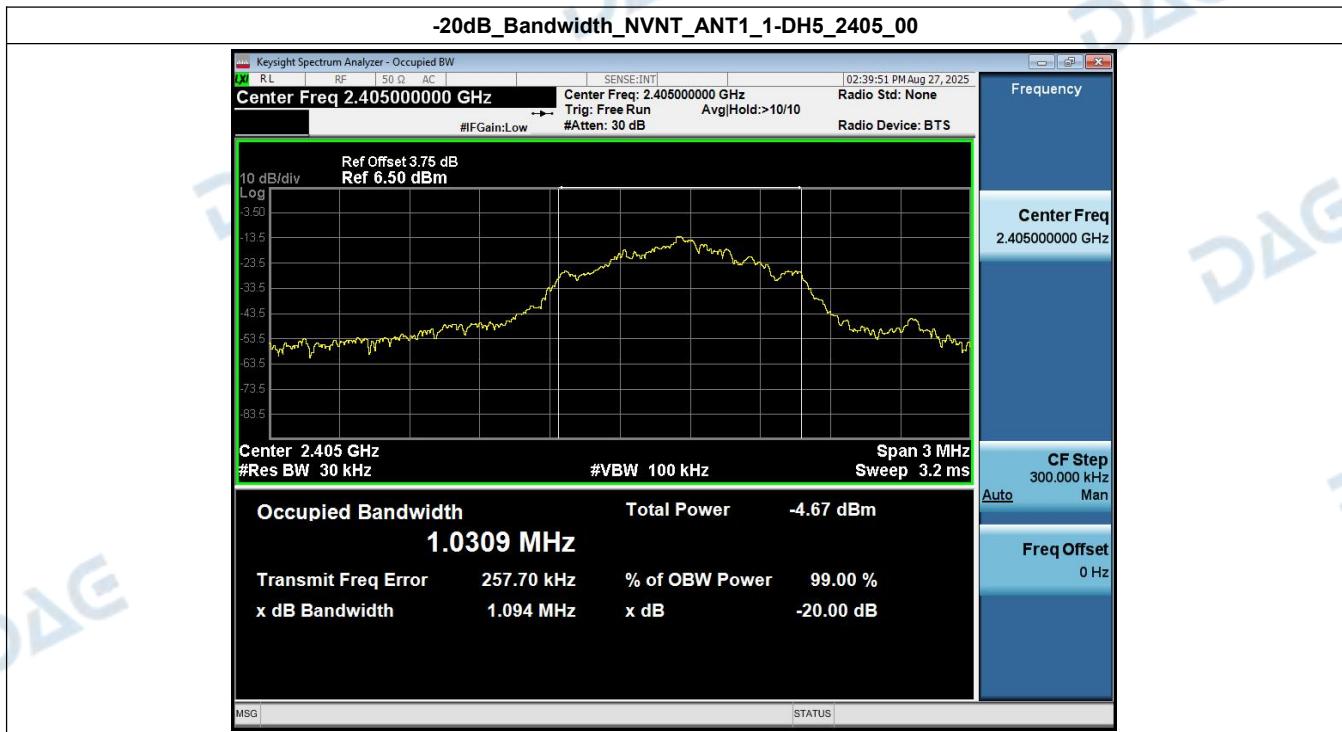
Temperature:	22.8 °C	Humidity:	53 %	Atmospheric Pressure:	102 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

#### 4.1.2 Test Setup Diagram:



### 4.1.3 Test Data:

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2405.00	1.094	Yes



## 4.2 Field strength of fundamental

Test Requirement:	Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:																
	<table border="1"> <thead> <tr> <th>Fundamental frequency</th> <th>Field strength of fundamental (millivolts/meter)</th> <th>Field strength of harmonics (microvolts/meter)</th> </tr> </thead> <tbody> <tr> <td>902-928 MHz</td> <td>50</td> <td>500</td> </tr> <tr> <td>2400-2483.5 MHz</td> <td>50</td> <td>500</td> </tr> <tr> <td>5725-5875 MHz</td> <td>50</td> <td>500</td> </tr> <tr> <td>24.0-24.25 GHz</td> <td>250</td> <td>2500</td> </tr> </tbody> </table>		Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)	902-928 MHz	50	500	2400-2483.5 MHz	50	500	5725-5875 MHz	50	500	24.0-24.25 GHz	250	2500
Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)															
902-928 MHz	50	500															
2400-2483.5 MHz	50	500															
5725-5875 MHz	50	500															
24.0-24.25 GHz	250	2500															
	The field strength of emissions in this band shall not exceed 2500 millivolts/meter.																
Test Method:	ANSI C63.10-2020 section 6.6																
Procedure:	ANSI C63.10-2020 section 6.6 NOTE: For fundamental frequency, RBW>20dB BW ,VBW>3XRBW, PK detector is for PK value, RMS detector is for AV value.																

### 4.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.8 °C	Humidity:	53 %	Atmospheric Pressure:	102 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

### 4.2.2 Test Data:

Frequency (MHz)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dBuV/m)	Detector (PK/AV)	Polarization (H/V)
2405	92.54	114	-21.46	PK	H
2405	88.04	94	-5.96	AV	H
2405	83.62	114	-30.38	PK	V
2405	78.53	94	-15.47	AV	V

### 4.3 Band edge emissions (Radiated)

Test Requirement:	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.		
Test Limit:	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.		
		Frequency (MHz)	Field strength (microvolts/meter)
		0.009-0.490	2400/F(kHz)
		0.490-1.705	24000/F(kHz)
		1.705-30.0	30
		30-88	100 **
		88-216	150 **
		216-960	200 **
		Above 960	500
		Measurement distance (meters)	
		0.009-0.490	300
		0.490-1.705	30
		1.705-30.0	30
		30-88	3
		88-216	3
		216-960	3
		Above 960	3

\*\* Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

In the emission table above, the tighter limit applies at the band edges.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

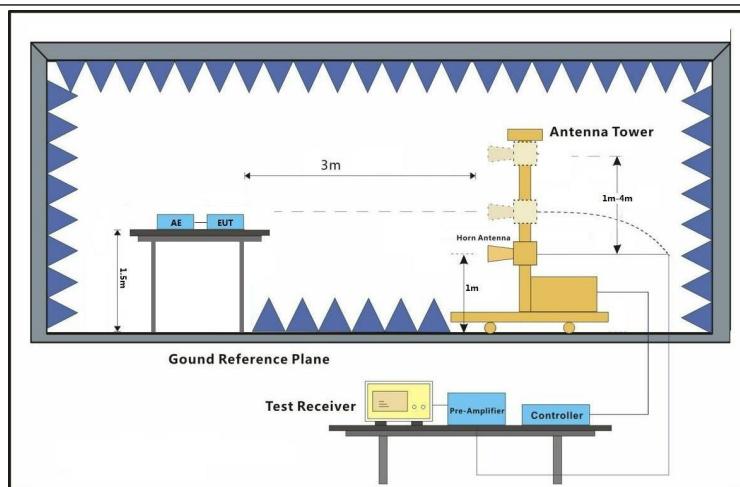
Test Method: ANSI C63.10-2020 section 6.6.4

Procedure: ANSI C63.10-2020 section 6.6.4

#### 4.3.1 E.U.T. Operation:

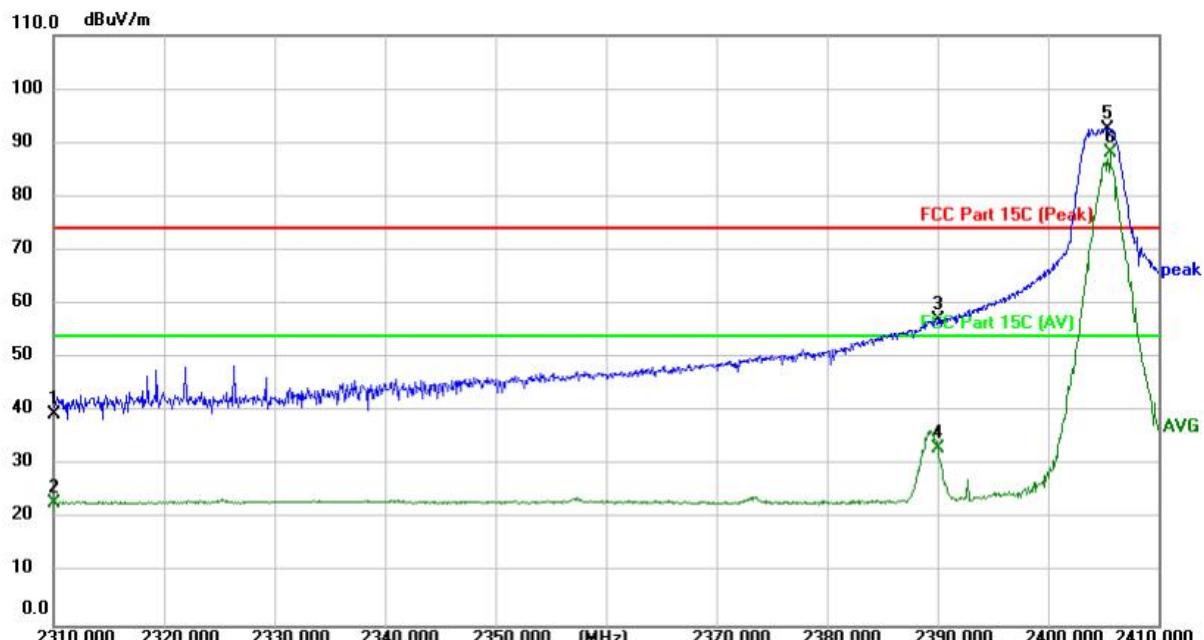
Operating Environment:				
Temperature:	22.8 °C	Humidity:	53 %	Atmospheric Pressure: 102 kPa
Pretest mode:	TM1			
Final test mode:	TM1			

#### 4.3.2 Test Setup Diagram:



## 4.3.3 Test Data:

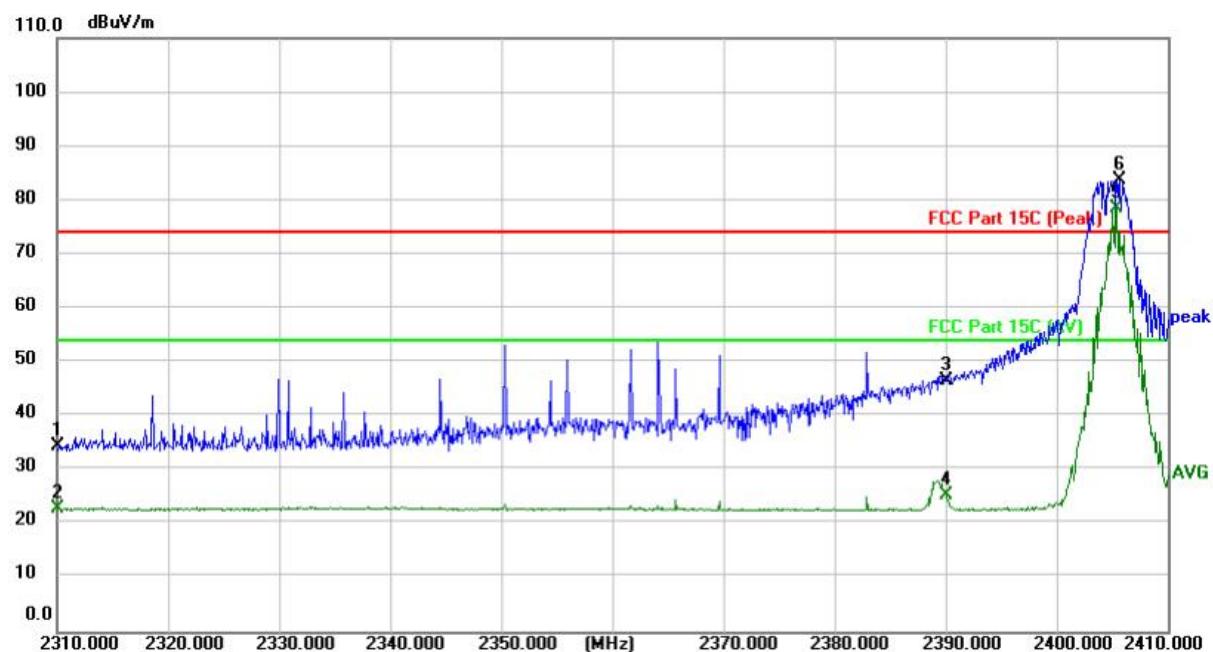
TM1 / Polarization: Horizontal / Band: 2.4G / BW: 1 / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2310.000	46.16	-6.63	39.53	74.00	-34.47	peak	149		P	
2	2310.000	29.69	-6.63	23.06	54.00	-30.94	AVG	149		P	
3	2390.000	63.39	-6.42	56.97	74.00	-17.03	peak	149		P	
4	2390.000	39.57	-6.42	33.15	54.00	-20.85	AVG	149		P	
5 X	2405.400	98.92	-6.38	92.54	74.00	18.54	peak	149		F	
6 *	2405.600	94.42	-6.38	88.04	54.00	34.04	AVG	149		F	

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	39.52	-6.17	33.35	74.00	-40.65	peak	150		P	
2 *	2483.500	28.05	-6.17	21.88	54.00	-32.12	AVG	150		P	
3	2500.000	39.22	-6.13	33.09	74.00	-40.91	peak	150		P	
4	2500.000	27.99	-6.13	21.86	54.00	-32.14	AVG	150		P	

TM1 / Polarization: Vertical / Band: 2.4G / BW: 1 / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2310.000	41.20	-6.63	34.57	74.00	-39.43	peak	149		P	
2	2310.000	29.47	-6.63	22.84	54.00	-31.16	AVG	149		P	
3	2390.000	53.11	-6.42	46.69	74.00	-27.31	peak	149		P	
4	2390.000	31.93	-6.42	25.51	54.00	-28.49	AVG	149		P	
5 *	2405.400	84.91	-6.38	78.53	54.00	24.53	AVG	149		F	
6 X	2405.600	90.00	-6.38	83.62	74.00	9.62	peak	149		F	

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	39.24	-6.17	33.07	74.00	-40.93	peak	150		P	
2 *	2483.500	28.21	-6.17	22.04	54.00	-31.96	AVG	150		P	
3	2500.000	38.71	-6.13	32.58	74.00	-41.42	peak	150		P	
4	2500.000	28.15	-6.13	22.02	54.00	-31.98	AVG	150		P	

#### 4.4 in frequency bands (below 1GHz)

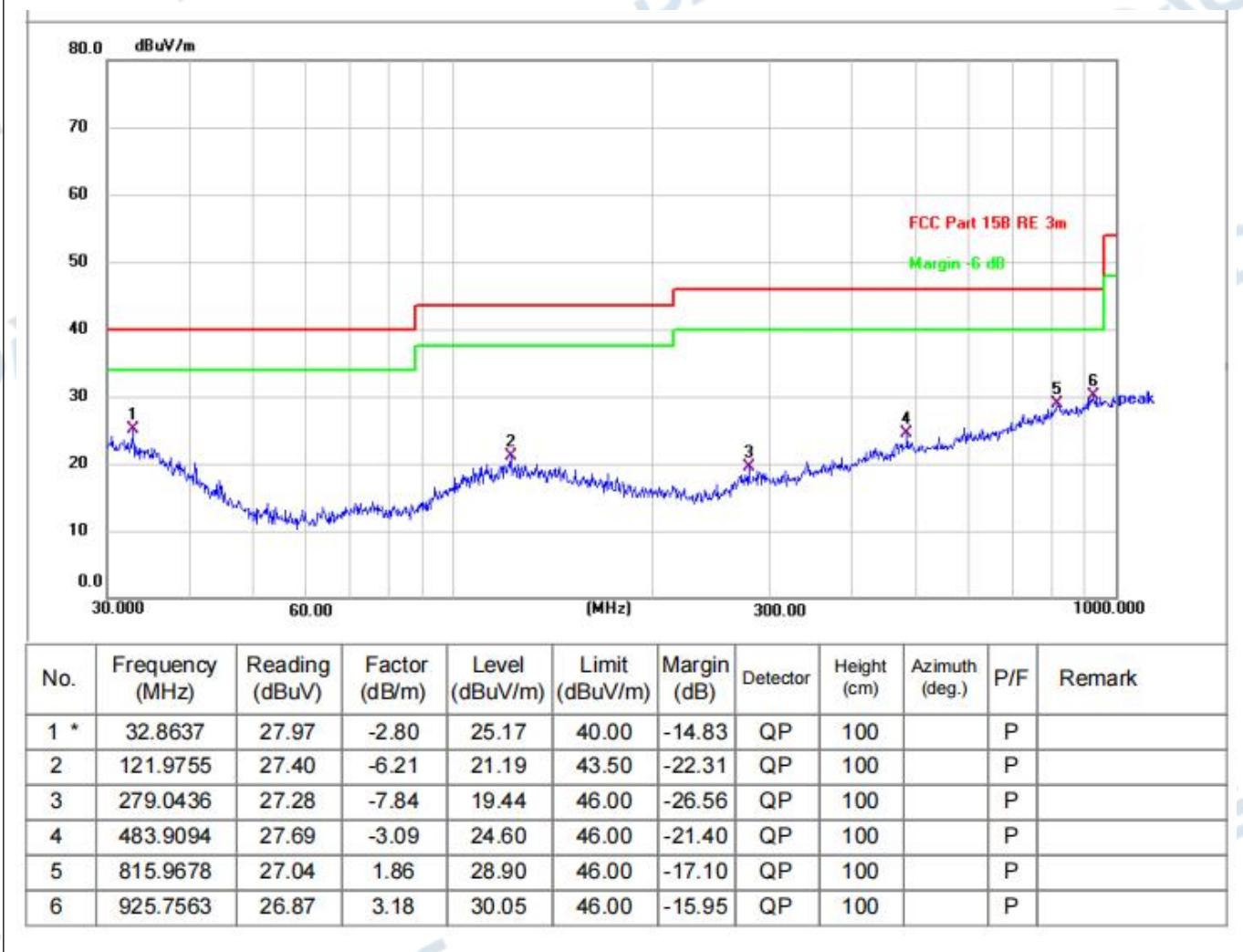
Test Requirement:	47 CFR 15.249(a) 47 CFR 15.249(d) 47 CFR 15.249(e)		
Test Limit:	Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:		
	Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
	902-928 MHz	50	500
	2400-2483.5 MHz	50	500
	5725-5875 MHz	50	500
	24.0-24.25 GHz	250	2500
	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.		
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
	** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.		
	In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.		
	As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.		
Test Method:	ANSI C63.10-2020 section 6.5		
Procedure:	ANSI C63.10-2020 section 6.5		

**4.4.1 E.U.T. Operation:**

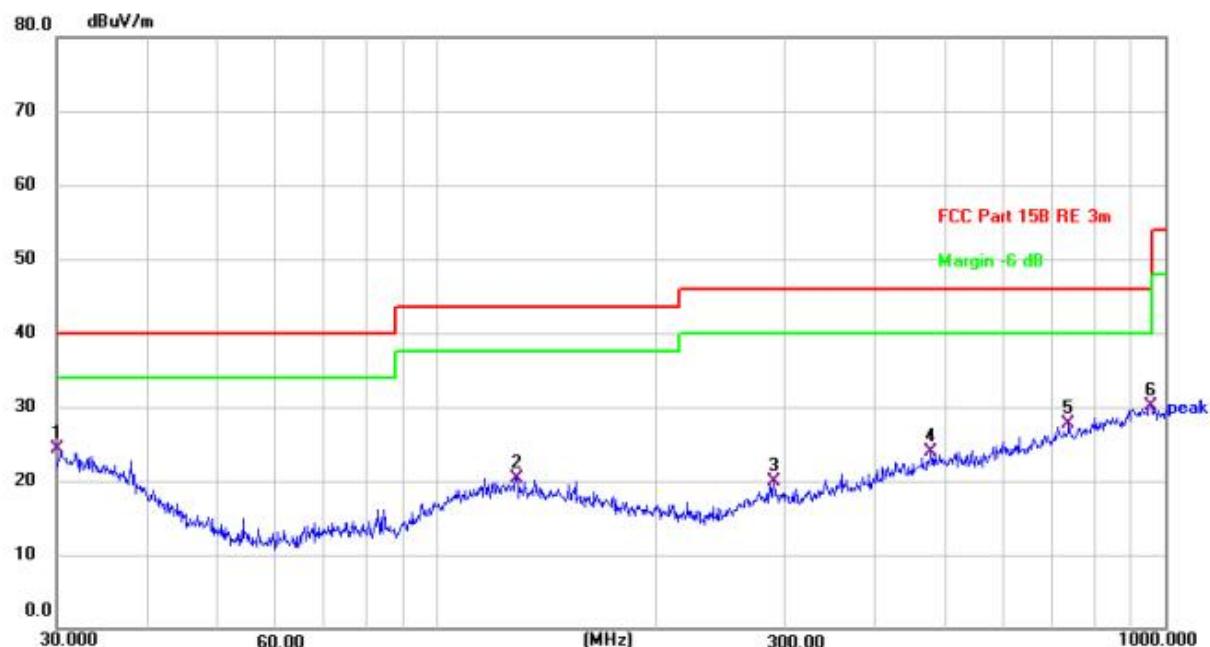
Operating Environment:					
Temperature:	22.8 °C	Humidity:	53 %	Atmospheric Pressure:	102 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

**4.4.2 Test Data:**

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 1 / CH: L



TM1 / Polarization: Vertical / Band: 2.4G / BW: 1 / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	30.0000	28.16	-3.86	24.30	40.00	-15.70	QP	100		P	
2	128.5630	27.16	-6.78	20.38	43.50	-23.12	QP	100		P	
3	290.0172	27.95	-7.95	20.00	46.00	-26.00	QP	100		P	
4	477.1694	27.23	-3.38	23.85	46.00	-22.15	QP	100		P	
5	737.0714	27.33	0.38	27.71	46.00	-18.29	QP	100		P	
6	955.4381	26.89	3.12	30.01	46.00	-15.99	QP	100		P	

#### 4.5 Emissions in frequency bands (above 1GHz)

Test Requirement:	47 CFR 15.249(a) 47 CFR 15.249(d) 47 CFR 15.249(e)		
Test Limit:	Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:		
	Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
	902-928 MHz	50	500
	2400-2483.5 MHz	50	500
	5725-5875 MHz	50	500
	24.0-24.25 GHz	250	2500
	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.		
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3

\*\* Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

In the emission table above, the tighter limit applies at the band edges.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

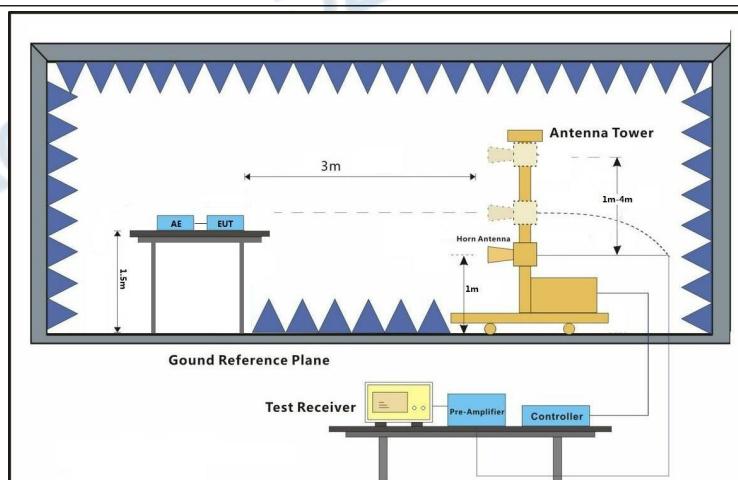
As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.

Test Method:	ANSI C63.10-2020 section 6.6		
Procedure:	ANSI C63.10-2020 section 6.6		

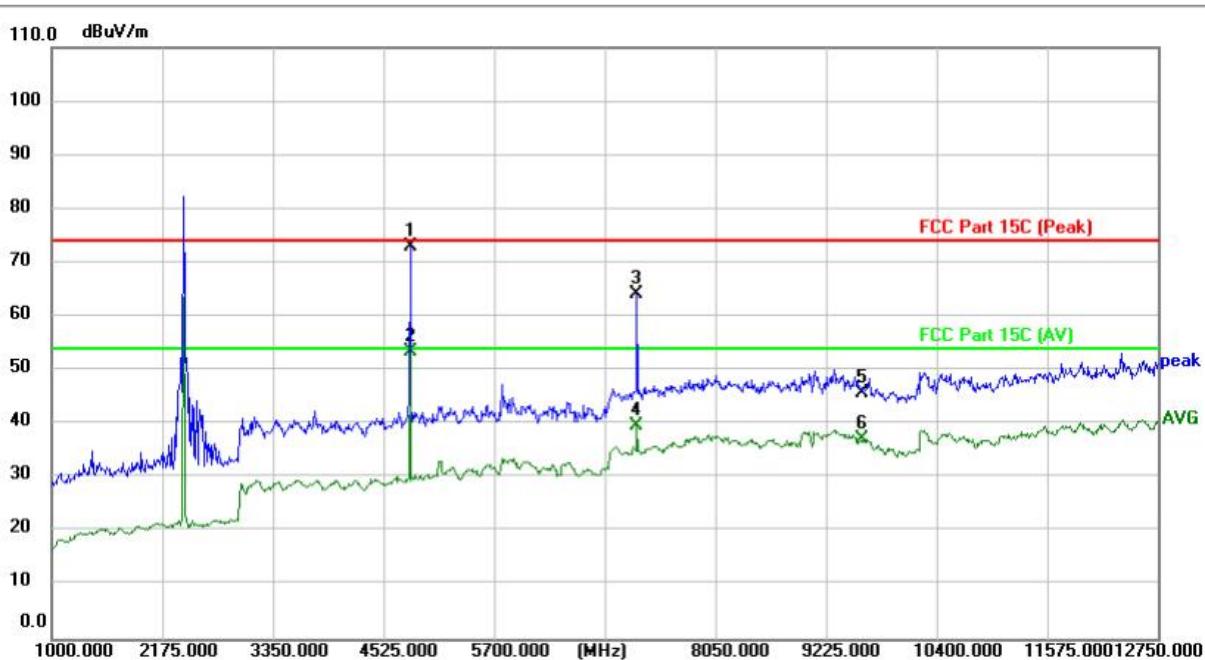
##### 4.5.1 E.U.T. Operation:

Operating Environment:				
Temperature:	22.8 °C	Humidity:	53 %	Atmospheric Pressure: 102 kPa
Pretest mode:	TM1			

Final test mode: TM1

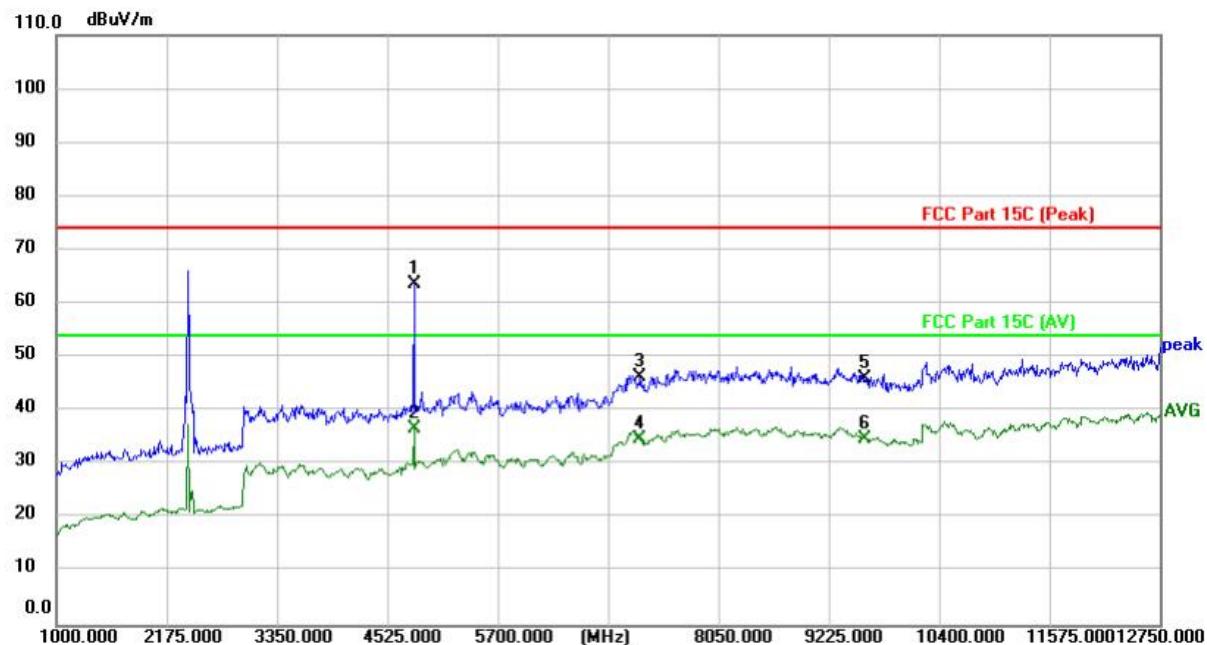
**4.5.2 Test Setup Diagram:****4.5.3 Test Data:**

TM1 / Polarization: Horizontal / Band: 2.4G / BW: 1 / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4807.000	73.61	-0.69	72.92	74.00	-1.08	peak	149		P	
2 *	4807.000	54.31	-0.69	53.62	54.00	-0.38	AVG	149		P	
3	7215.750	59.87	4.38	64.25	74.00	-9.75	peak	149		P	
4	7215.750	35.45	4.38	39.83	54.00	-14.17	AVG	149		P	
5	9620.000	37.61	8.09	45.70	74.00	-28.30	peak	149		P	
6	9620.000	29.07	8.09	37.16	54.00	-16.84	AVG	149		P	

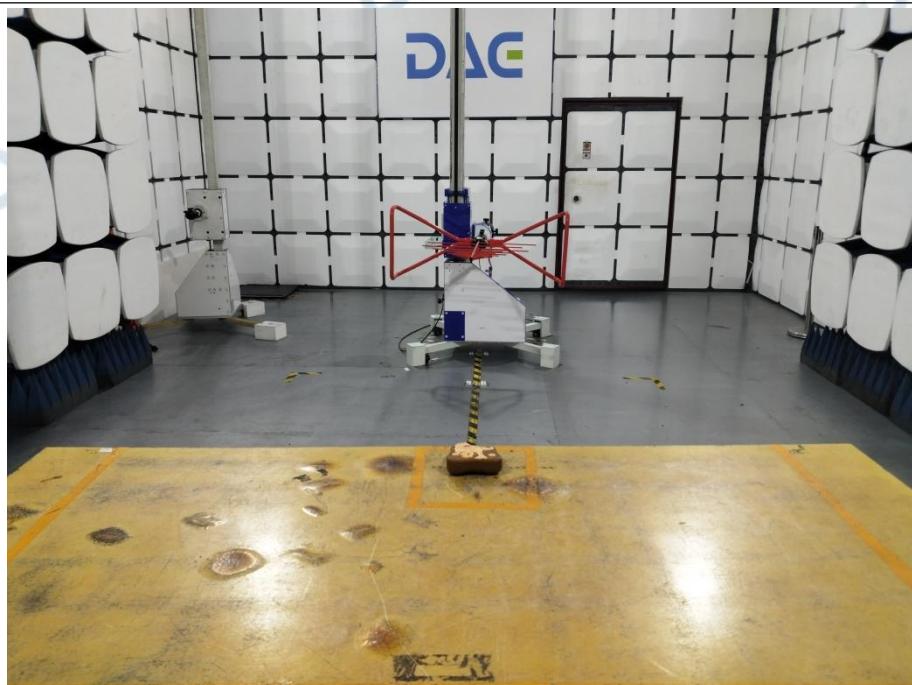
TM1 / Polarization: Vertical / Band: 2.4G / BW: 1 / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	4807.000	64.37	-0.69	63.68	74.00	-10.32	peak	149		P	
2	4807.000	37.27	-0.69	36.58	54.00	-17.42	AVG	149		P	
3	7215.000	41.93	4.38	46.31	74.00	-27.69	peak	149		P	
4	7215.000	30.41	4.38	34.79	54.00	-19.21	AVG	149		P	
5	9620.000	37.89	8.09	45.98	74.00	-28.02	peak	149		P	
6	9620.000	26.83	8.09	34.92	54.00	-19.08	AVG	149		P	

## 5 TEST SETUP PHOTOS

Emissions in frequency bands (below 1GHz)



Emissions in frequency bands (above 1GHz)



## 6 PHOTOS OF THE EUT

External





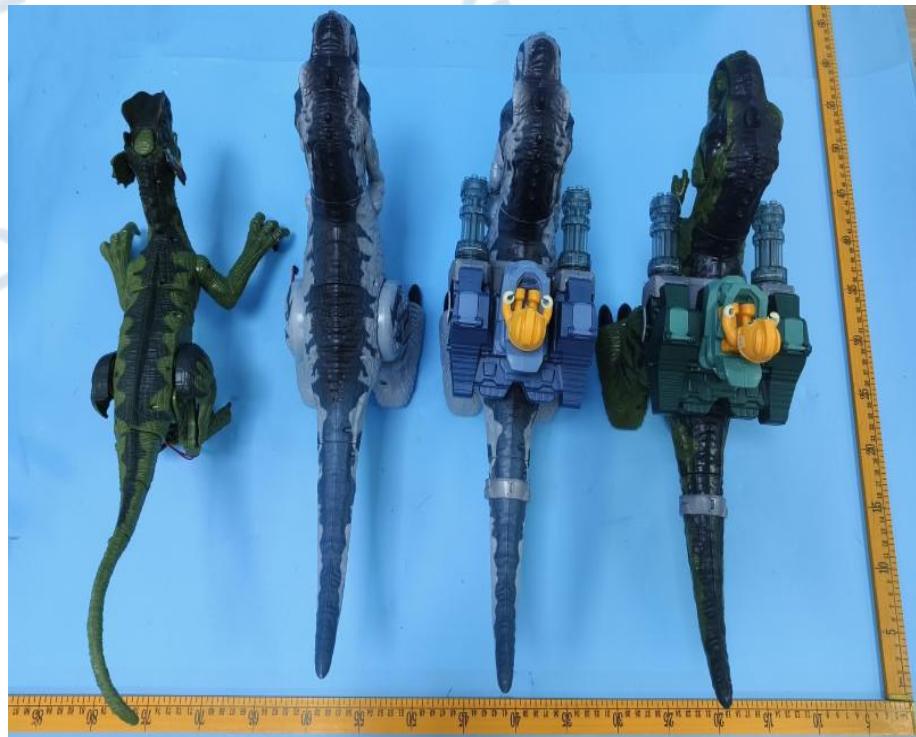










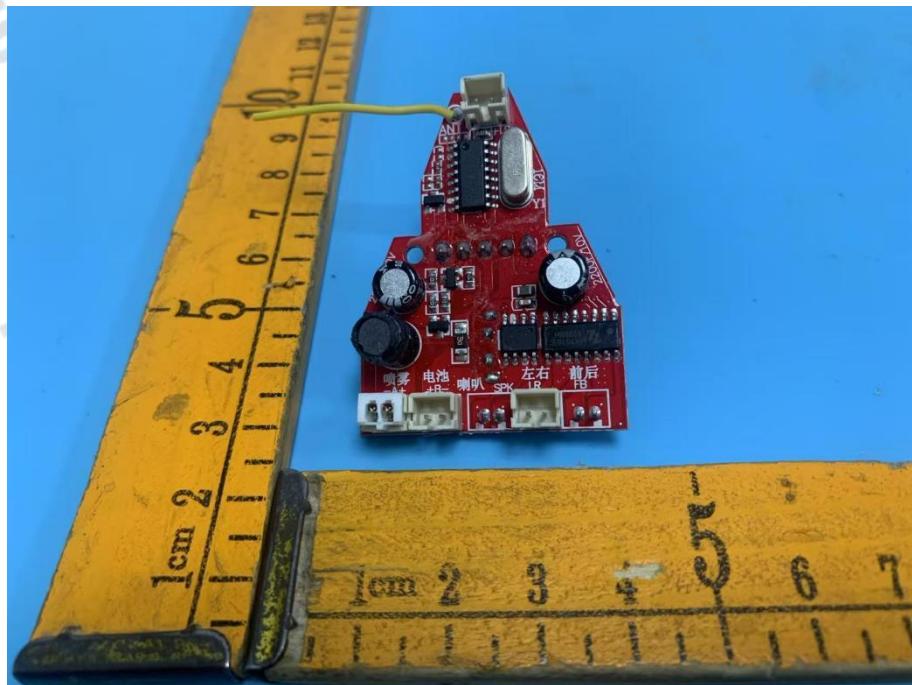


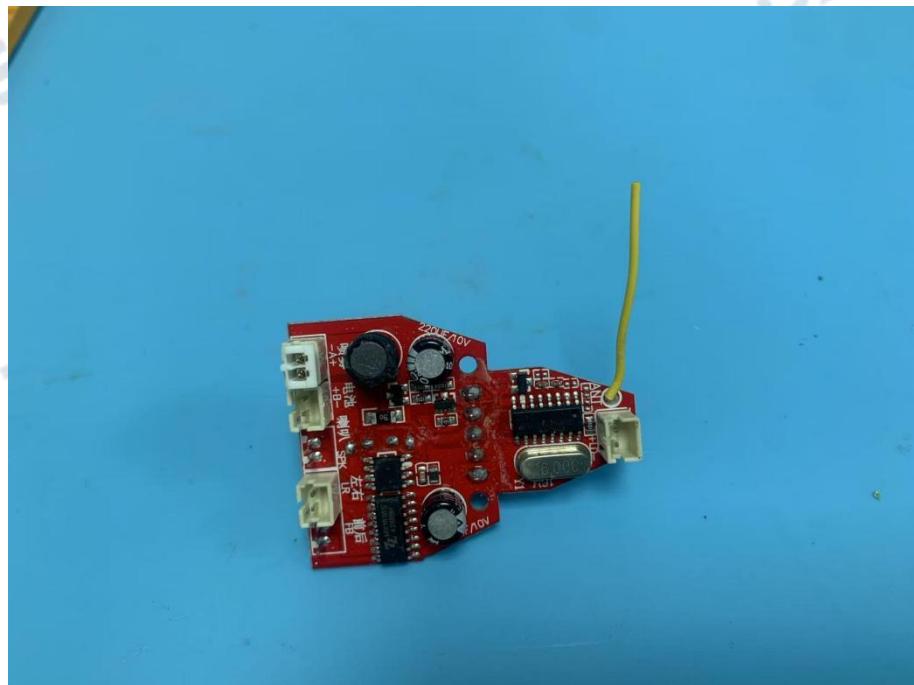
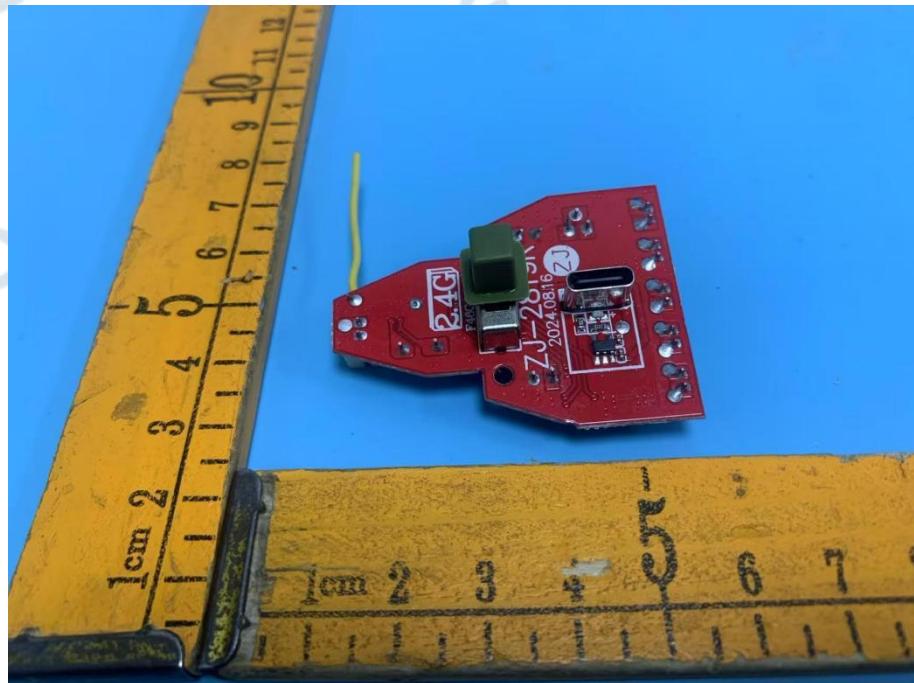


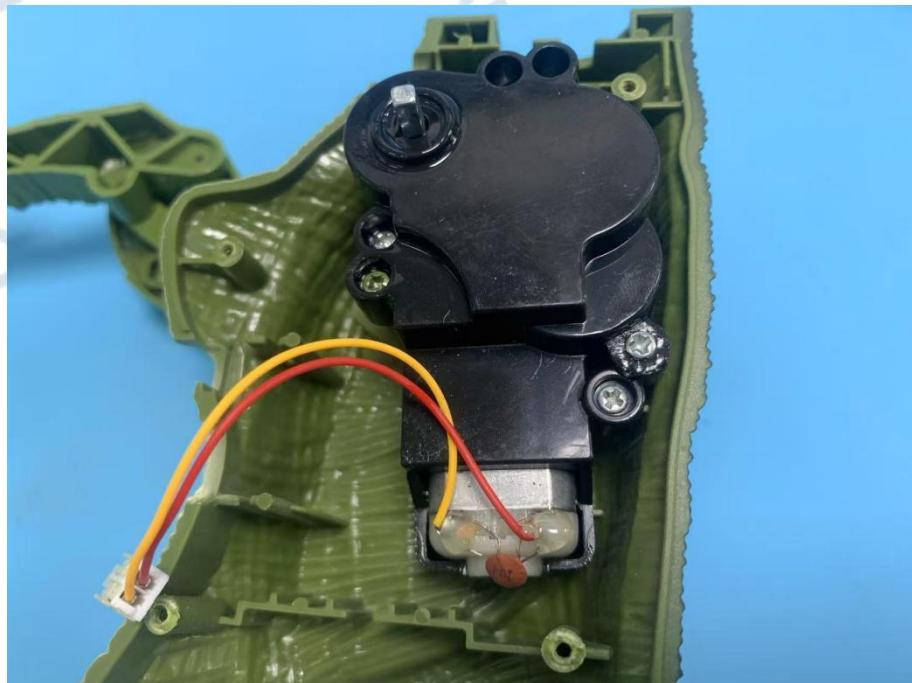




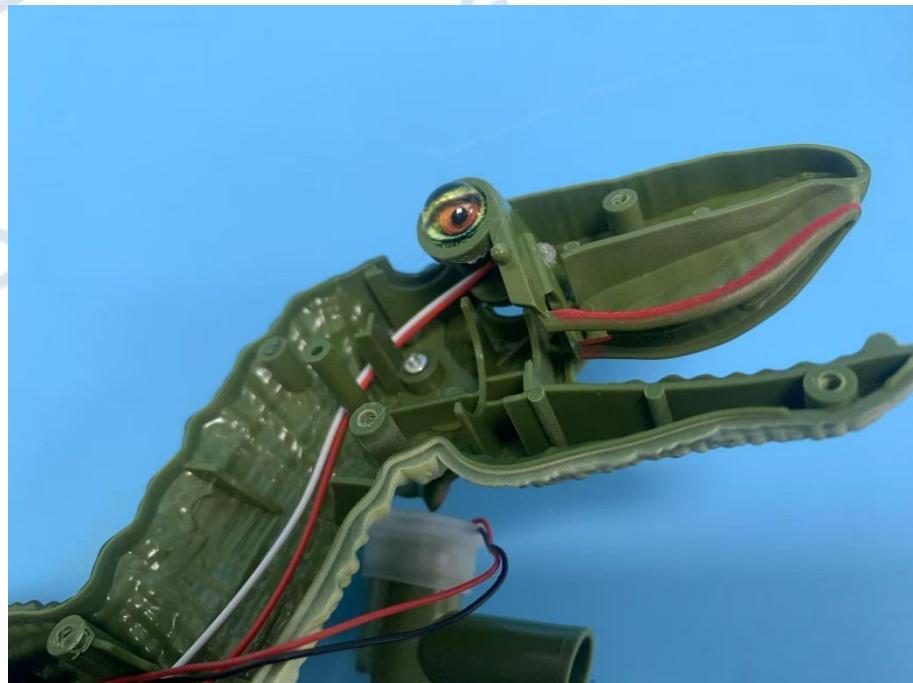
## Internal

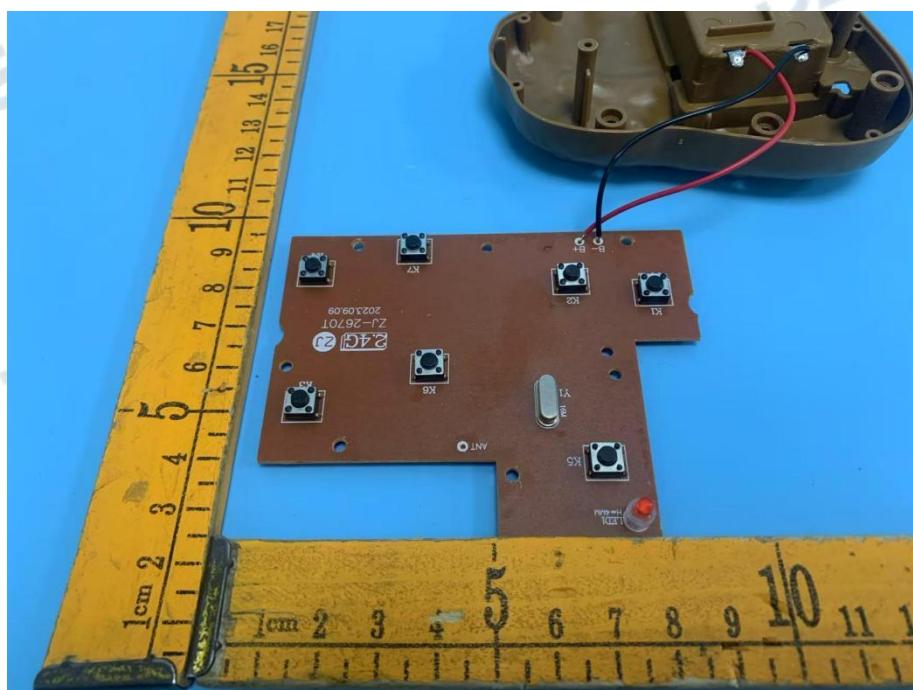


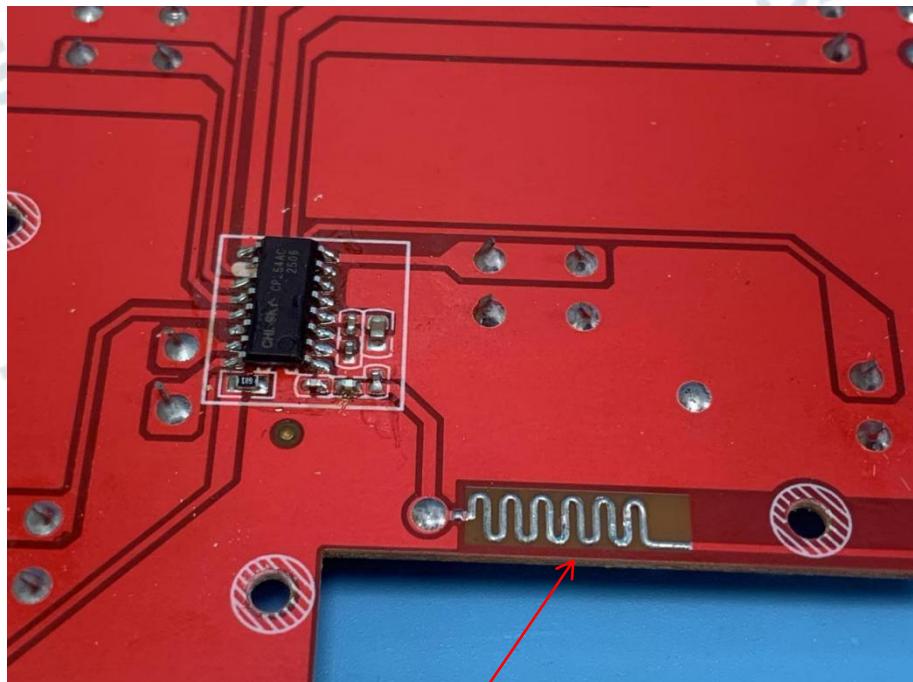
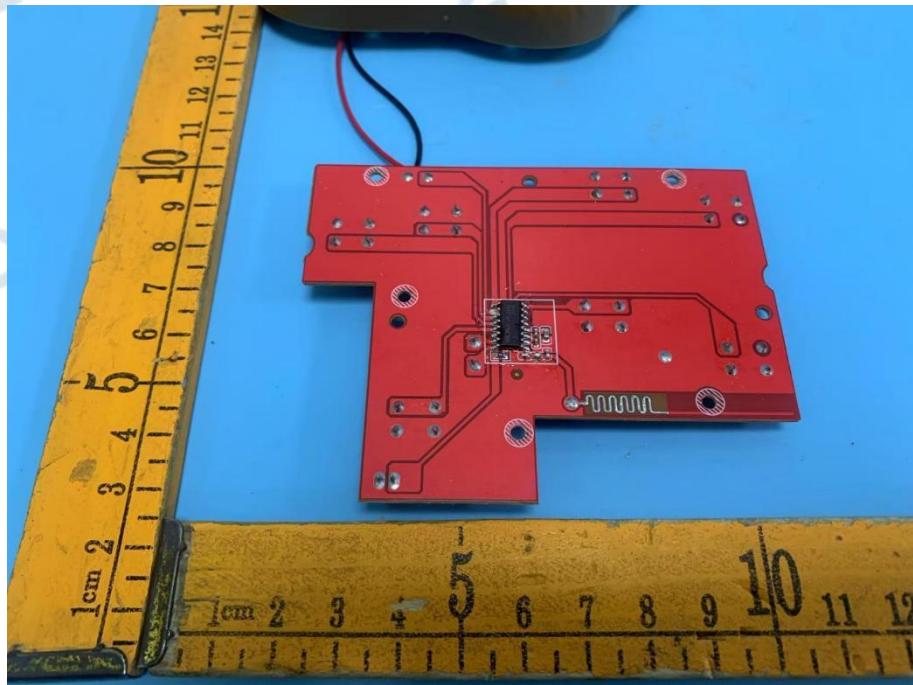












\*\*\*\*\* End of Report \*\*\*\*\*