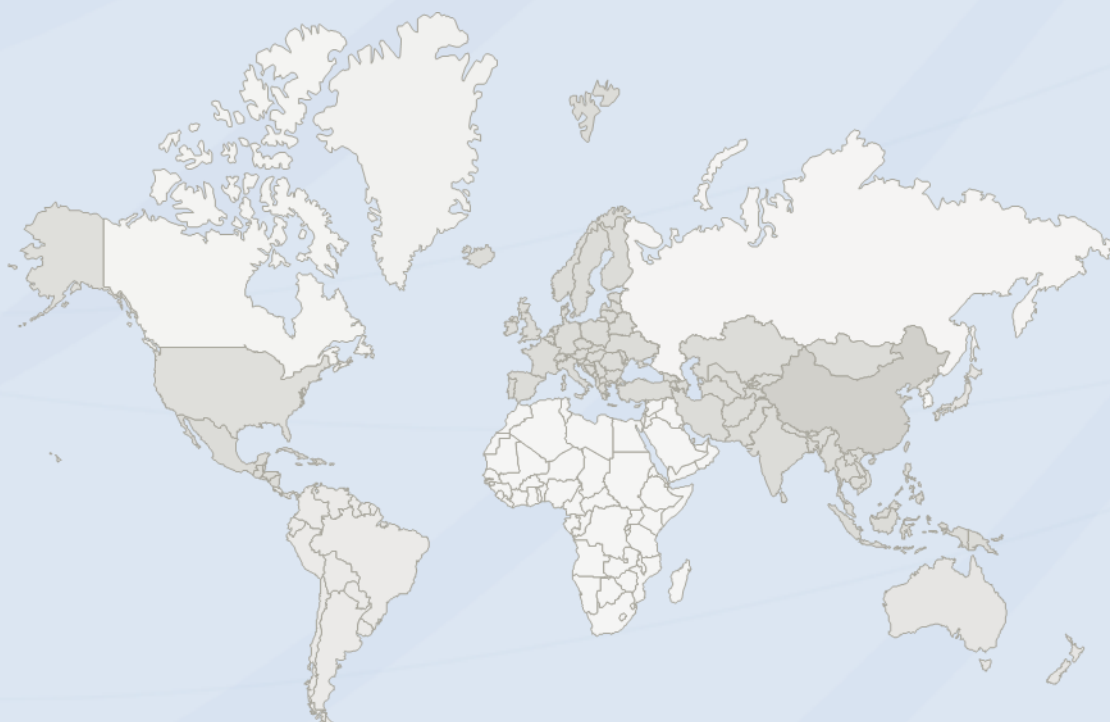


FCC TEST REPORT

Report No. NTC-ER2508002

Applicant's name..... CHAOZHOU CLEANMAN TECHNOLOGY CO., LTD

Address..... GUWU INDUSTRIAL ZONE CUXIANG TOWN CHAOZHOU
CITY ,GUANGDONG,CHINA



DONGGUAN NEW TESTING CENTRE CO., LTD

ⓂAddress: 1F & 3F, No. 1 the 1st North Industry Road Songshan Lake Science & Technology Park Dongguan, People's Republic of China 523808

☎Tel: +86-769-22212079

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TEST REPORT DECLARE

FCC ID	:	2BS49-RC-613
Applicant	:	CHAOZHOU CLEANMAN TECHNOLOGY CO., LTD
Address	:	GUWU INDUSTRIAL ZONE CUXIANG TOWN CHAOZHOU CITY ,GUANGDONG,CHINA
Equipment under Test	:	remote control
Model No	:	RC-613
Trade Mark	:	CLEANMAN
Manufacturer	:	CHAOZHOU CLEANMAN TECHNOLOGY CO., LTD
Address	:	GUWU INDUSTRIAL ZONE CUXIANG TOWN CHAOZHOU CITY ,GUANGDONG,CHINA
Test Laboratory	:	Dongguan New Testing Centre Co., Ltd
CAB identifier	:	CN1264
Address	:	1F & 3F, No. 1 the 1st North Industry Road Songshan Lake Science & Technology Park Dongguan, People's Republic of China 523808

Test Standard Used:

47 CFR PART 15 Subpart C: 2023 section 15.249.

We Declare:

The equipment described above is tested by Dongguan New Testing Centre Co., Ltd and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan New Testing Centre Co., Ltd is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No.:	NTC-ER2508002		
Date of Test:	Spet.27,2025 to Jan.06,2026	Date of Report:	Jan.07,2026

Prepared By:

Taylor Chen

Taylor Chen /Engineer



Dave Gao/LAB Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan New Testing Centre Co., Ltd

1. Summary of test results

Test Item	Test Requirement	Test Method	Result
Conducted Emission Test	FCC PART15 C Section 15.207	ANSI C63.10: Clause 6.2	N/A
Radiated Emission Test	FCC PART15 C Section 15.249(a),(d)	ANSI C63.10: Clause 6.4,6.5&6.6	PASS
Band Edges Measurement	FCC PART15 C Section 15.249(d)	ANSI C63.10: Clause 6.10	PASS
Occupied Bandwidth	FCC PART15 C Section 15.215(c)	ANSI C63.10: Clause 6.9	PASS

2. General test information

2.1. Description of EUT

EUT* Name	: remote control
Test model	: RC-613
EUT function description	: Please reference user manual of this device
Power supply	: DC 3V
Trade mark	: N/A
Operation frequency	: 2405-2470MHz
Number of Channels	4 Channels
Modulation Technology	: GFSK
Antenna Type	: PCB antenna
Antenna Gain	: 2 dBi

EUT channels and frequencies list:

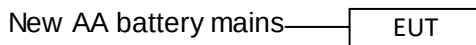
Channels	Frequency (MHz)	Channels	Frequency (MHz)
1	2405	3	2450
2	2422	4	2470

2.2. Detail models

Model	Input
RC-613	DC 3V

2.3. Block diagram EUT configuration for test

For EUT Tx mode:



2.4. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-24°C
Humidity range:	40-75%
Pressure range:	86-106kPa

2.5. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.44dB
Uncertainty for Radiation Emission test (30MHz – 1GHz)	3.14 dB (Polarize: V)
	3.16 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz – 18GHz)	4.27 dB (Polarize: V)
	4.51 dB (Polarize: H)
Bandwidth	±1.2%
Stop Transmitting Time Test	±0.5%
Frequency error	5.8×10^{-8}

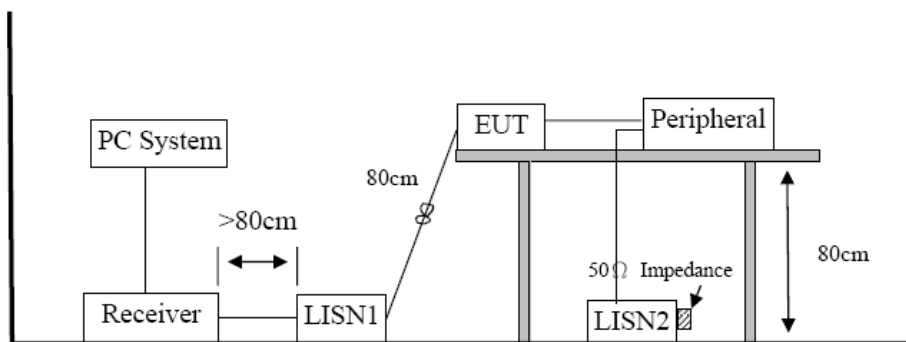
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. Power Line Conducted Emission Test

3.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	R&S	ESCS30	8341151006	2025-05-08	1 Year
2	LISN	R&S	ENV216	3650.6550.06	2025-05-08	1 Year
3	Pulse Limiter	R&S	ESH3-Z2	0357-8810.54	2025-05-08	1 Year
4	RF Cable	HUBER	SUCOFLEX100	30722/4E	2025-05-08	1 Year
5	MEASUREME NT SOFTWARE	FARAD	EZ-EMC(VE R:1.1.4.2)	N/A	N/A	N/A

3.2. BLOCK DIAGRAM OF TEST SETUP



3.3. Power Line Conducted Emission Limits (Class B)

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

3.4. Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.3 and test equipment as described in clause 3.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.3 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 KHz.

3.5. Test Result

Not applic for device which is battery supply.

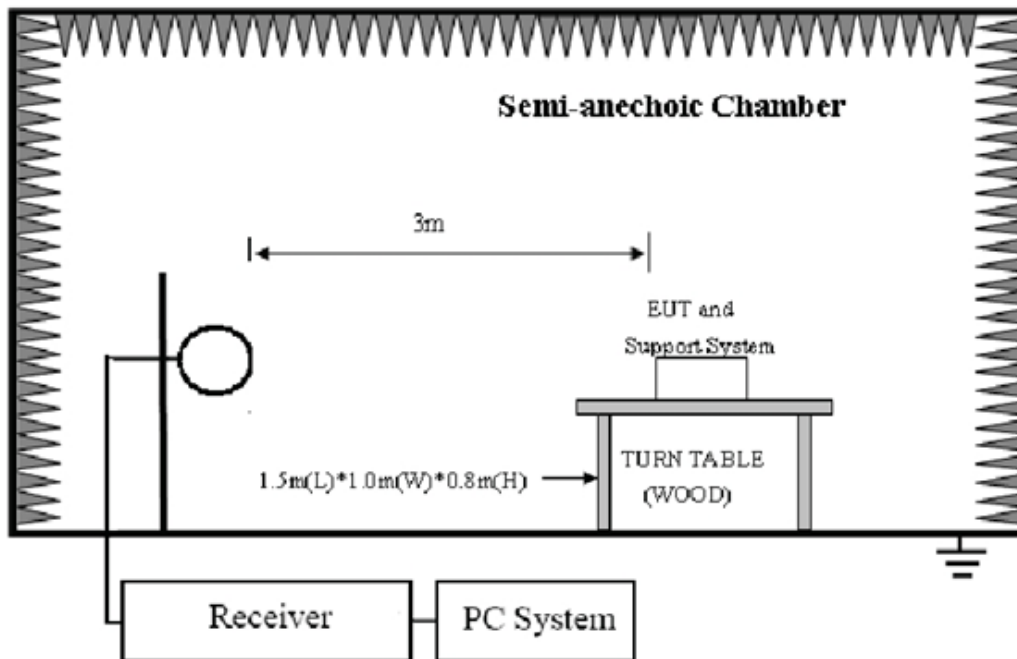
4. Radiated emission test

4.1. Test equipment

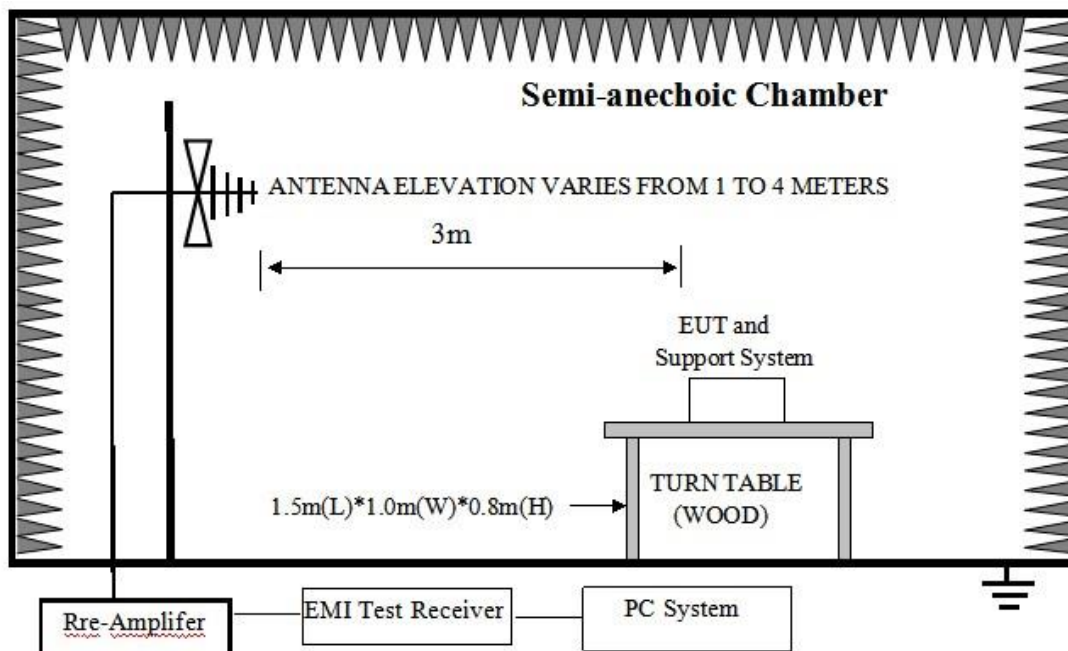
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	EMI Test Receiver	R&S	ESR26	7250-30406 7528	2025-05-08	1Year
2	Trilog Broadband Antenna	Schwarzbeck	VULB9168	00969	2025-05-08	2 Year
3	Pre-amplifier	R&S	8447F	3113A04553	2025-05-08	1Year
4	Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	2025-05-08	1Year
5	Horn antenna	Schwarzbeck	BBHA9120D	453	2025-05-08	2Year
6	Double Ridged Horn Antenna	A.H. System	SAS-574	584	2025-05-08	1Year
7	Pre-amplifier	R&S	SCU18	105326	2025-05-08	1Year
8	RF Cable	GORE	OSQ01Q010 78.7	SN1545847 3	2025-05-08	2Year
9	RF Cable	GORE	OSQ01Q010 78.7	SN1545847 4	2025-05-08	1Year
10	RF Cable	ESCO	ETS-LINGR EN	RFC-SMS-1 00-SMS-340 -IN	2025-05-08	1Year
11	Measurement software	Farad	EZ-EMC(VE R:1.1.4.2)	N/A	N/A	N/A

4.2. Block diagram of test setup

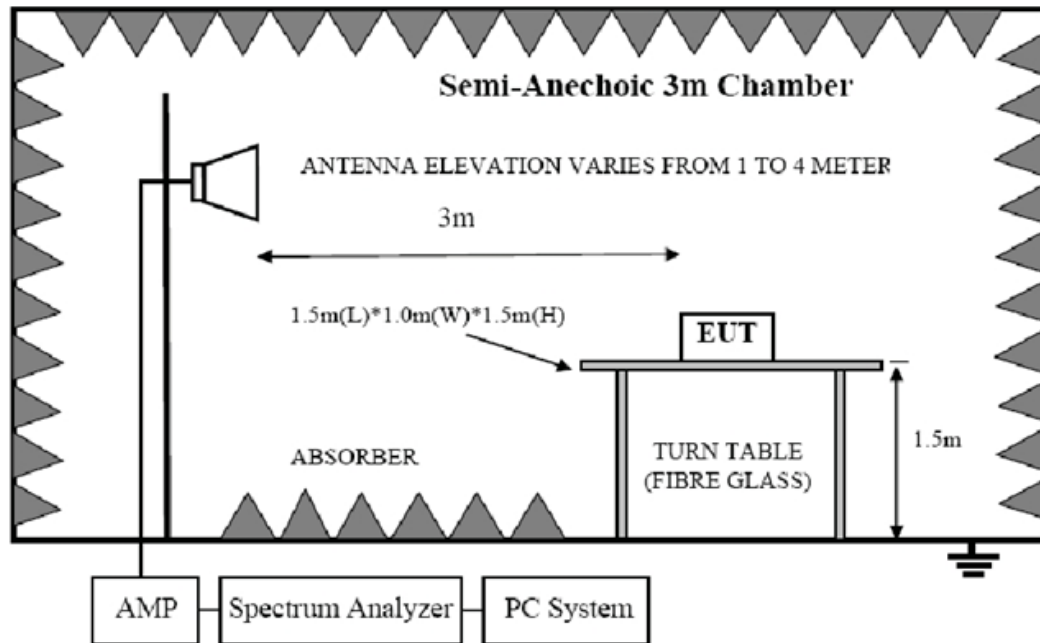
In 3m Anechoic Chamber Test Setup Diagram for 9KHz to 30MHz:



In 3m Anechoic Chamber Test Setup Diagram for 30MHz to 1GHz:



In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz:



4.3. Limit

FCC 15.205 Restricted frequency band:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

FCC 15.209 Limit

Frequency (MHz)	Distance (Meters)	Field Strengths Limits dB(μV)/m
30--88	3	40.0
88--216	3	43.5
216--960	3	46.0
960--1000	3	54.0
Above 1GHz	3	Peak: 74.0
	3	Average: 54.0

Note: (1) The smaller limit shall apply at the cross point between two frequency bands.

(2) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

(3) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90KHz, 110-490KHz and above 1000MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(4) At frequencies below 30MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3m}(\text{dBuV/m}) = \text{Limit}_{30m}(\text{dBuV/m}) + 40\log(30m/3m)$$

(5) All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

4.4. Test Procedure

Procedure of Preliminary Test

Configuration EUT to simulate typical usage as described in clause 2.3 and test equipment as described in clause 4.2 of this report.

Mains cables, telephone lines or other connections to auxiliary equipment located outside the test area shall drape to the floor, be fitted with ferrite clamps or ferrite tubes placed on the floor at the point where the cable reaches the floor and then routed to the place where they leave the turntable. No extension cords shall be used to mains receptacle.

EUT height should be 0.8m for below 1GHz and 1.5m for above 1GHz at ground with absorbers.

The antenna was placed at 3 meter away from the EUT as stated in ANSI C63.10. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.

The Analyzer / Receiver quickly scanned from 30MHz to 18GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

The X, Y, Z three axial are tested and the report only the worst case.

The emissions from 9KHz to 1GHz, QP or average values were measured with EMI receiver with below RBW:

Frequency band	RBW
9KHz-150KHz	200Hz
150KHz-30MHz	9KHz
30MHz-1GHz	120KHz

For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer. For Peak measurement: RBW = 1MHz, VBW = 3MHz. For Average measurement: RBW = 1MHz, VBW ≥ 1MHz (typically 1MHz or 3MHz, in accordance with ANSI C63.10).

4.5. Test result

PASS. (See below detailed test result)

All the emissions except fundamental emission from 9 KHz to 40GHz were comply with FCC PART 15.209 limits limit.

Note1: According exploratory test no any obvious emission were detected from 9KHz to 30MHz and

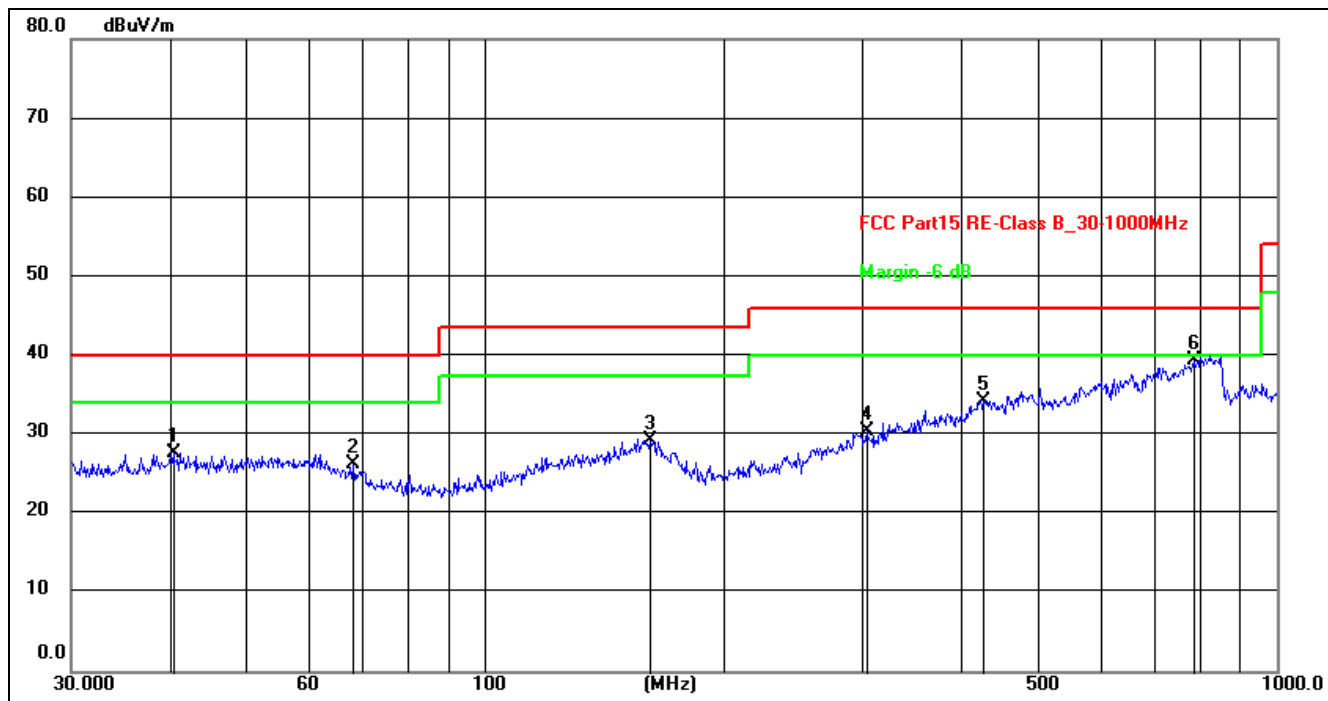
18GHz to 40GHz, so the final test was performed with frequency range from 30MHz to 18GHz and recorded in below.

Note2: For emissions above 1GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

Note3: Level = Reading Level + Factor, Margin= Level-Limit

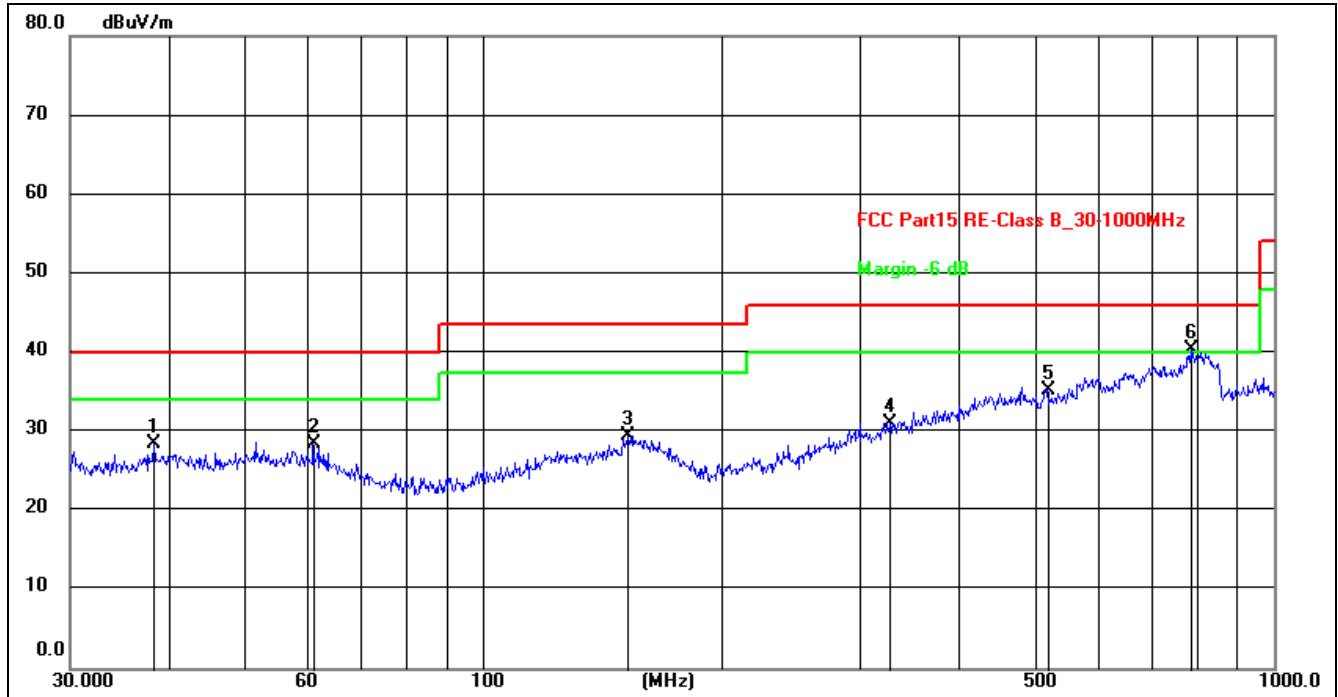
Radiated Emission Test Result

Note: Pretest on all channel,the below date test 2470MHz Was the worst case of all test record.



Site:	966LAB	Antenna::Horizontal	Temperature(C):24(C)
Limit:	FCC Part15 RE-Class B_30-1000MHz		Humidity(%):60%
EUT:	Remote control	Test Time:	2025/9/27 9:00:17
M/N.:	RC-613(2470MHz)	Power Rating:	DC 3V
Mode:	Working	Test Engineer:	Taylor Chen
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	40.4170	13.96	13.68	27.64	40.00	-12.36	peak	200	356	
2	68.1514	14.81	11.59	26.40	40.00	-13.60	peak	200	230	
3	161.4740	14.31	14.89	29.20	43.50	-14.30	peak	100	280	
4	303.5437	15.87	14.65	30.52	46.00	-15.48	peak	200	310	
5	426.5210	16.58	17.72	34.30	46.00	-11.70	peak	100	73	
6 *	785.0934	14.32	25.07	39.39	46.00	-6.61	peak	200	356	



Site:	966LAB	Antenna::Vertical	Temperature(C):24(C)
Limit:	FCC Part15 RE-Class B_30-1000MHz		Humidity(%):60%
EUT:	Remote control	Test Time:	2025/9/27 9:02:54
M/N.:	RC-613(2470MHz)	Power Rating:	DC 3V
Mode:	Working	Test Engineer:	Taylor Chen
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	38.3462	15.20	13.37	28.57	40.00	-11.43	peak	100	287	
2	60.9176	15.35	13.04	28.39	40.00	-11.61	peak	100	315	
3	152.6641	14.90	14.66	29.56	43.50	-13.94	peak	100	355	
4	326.7395	15.36	15.77	31.13	46.00	-14.87	peak	100	280	
5	517.2480	15.96	19.23	35.19	46.00	-10.81	peak	100	121	
6 *	785.0935	15.23	25.07	40.30	46.00	-5.70	peak	100	161	

Site:	966 LAB	Antenna::H / V	Temperature(C):24(C)
Limit:	FCC Part 15.249		Humidity(%):60%
EUT:	remote control	Test Time:	2025/9/27
M/N.:	RC-613	Power Rating:	DC3V
Mode:	2405MHz	Test Engineer:	Taylor Chen
Note:			

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Pre- amp (dB)	Cable loss (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detect	Antenna polarizat ion
2405.00	85.34	26.66	40.15	8.86	80.72	114.00	-33.28	peak	H
2405.00	71.70	26.66	40.15	8.86	67.08	94.00	-26.92	AVG	H
4810.00	48.52	30.25	40.20	9.27	47.85	74.00	-26.15	peak	H
4810.00	43.27	30.25	40.20	9.27	42.60	54.00	-11.40	AVG	H
7215.00	50.70	35.43	40.19	9.15	55.08	74.00	-18.92	peak	H
7215.00	42.77	35.43	40.19	9.15	47.15	54.00	-6.85	AVG	H
9620.00	42.64	32.35	40.18	8.99	43.85	74.00	-30.20	peak	H
9620.00	44.78	32.35	40.18	8.99	45.94	54.00	-8.06	AVG	H
2405.00	85.89	26.66	40.15	8.86	81.27	114.00	-32.73	peak	V
2405.00	70.02	26.66	40.15	8.86	65.40	94.00	-28.60	AVG	V
4810.00	51.24	30.25	40.20	9.27	50.57	74.00	-23.43	peak	V
4810.00	46.09	30.25	40.20	9.27	45.42	54.00	-8.58	AVG	V
7215.00	50.01	35.43	40.19	9.15	54.40	74.00	-19.60	peak	V
7215.00	40.24	35.43	40.19	9.15	44.63	54.00	-9.37	AVG	V
9620.00	43.03	32.35	40.18	8.99	44.20	74.00	-29.80	peak	V
9620.00	35.10	32.35	40.18	8.99	36.27	54.00	-17.73	AVG	V

Note: 1. Result Level = Reading Level + Antenna Factor + Cable loss – Pre-amp Factor.

2. Antenna polarization: “H” means Horizontal, “V” means Vertical.

Site:	966 LAB	Antenna::H / V	Temperature(C):24(C)
Limit:	FCC Part 15.249		Humidity(%):60%
EUT:	remote control	Test Time:	2025/9/27
M/N.:	RC-613	Power Rating:	DC3V
Mode:	2422MHz	Test Engineer:	Taylor Chen
Note:			

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Pre- amp (dB)	Cable loss (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detect	Antenna polarizat ion
2422.00	80.48	26.38	40.12	9.86	76.60	114.00	-37.40	peak	H
2422.00	70.75	26.38	40.12	9.86	66.87	94.00	-27.13	AVG	H
4844.00	52.41	30.12	40.13	9.73	52.12	74.00	-21.88	peak	H
4844.00	44.01	30.12	40.13	9.73	43.72	54.00	-10.28	AVG	H
7266.00	52.09	35.26	40.21	8.93	56.23	74.00	-17.77	peak	H
7266.00	42.55	35.26	40.21	8.93	46.69	54.00	-7.31	AVG	H
9688.00	44.04	32.32	40.17	8.72	45.00	74.00	-29.00	peak	H
9688.00	37.67	32.32	40.17	8.72	38.62	54.00	-15.38	AVG	H
2422.00	83.70	26.38	40.12	9.86	79.82	114.00	-34.18	peak	V
2422.00	69.80	26.38	40.12	9.86	65.92	94.00	-28.08	AVG	V
4844.00	52.20	30.12	40.13	9.73	51.92	74.00	-22.08	peak	V
4844.00	42.90	30.12	40.13	9.73	42.62	54.00	-11.38	AVG	V
7266.00	47.41	35.26	40.21	8.93	51.55	74.00	-22.45	peak	V
7266.00	41.93	35.26	40.21	8.93	46.07	54.00	-7.93	AVG	V
9688.00	44.82	32.32	40.17	8.72	45.77	74.00	-28.23	peak	V
9688.00	35.10	32.32	40.17	8.72	36.06	54.00	-17.94	AVG	V

Note: 1. Result Level = Reading Level + Antenna Factor + Cable loss – Pre-amp Factor.

2. Antenna polarization: “H” means Horizontal, “V” means Vertical.

Site:	966 LAB	Antenna::H / V	Temperature(C):24(C)
Limit:	FCC Part 15.249		Humidity(%):60%
EUT:	remote control	Test Time:	2025/9/27
M/N.:	RC-613	Power Rating:	DC3V
Mode:	2450MHz	Test Engineer:	Taylor Chen
Note:			

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Pre- amp (dB)	Cable loss (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detect	Antenna polarizat ion
2450.00	82.34	26.45	40.18	8.90	77.50	114.00	-36.50	peak	H
2450.00	71.60	26.45	40.18	8.90	66.76	94.00	-27.24	AVG	H
4900.00	50.48	30.75	40.12	10.07	51.18	74.00	-22.82	peak	H
4900.00	45.56	30.75	40.12	10.07	46.26	54.00	-7.74	AVG	H
7350.00	48.94	35.61	40.13	8.77	53.20	74.00	-20.80	peak	H
7350.00	41.92	35.61	40.13	8.77	46.18	54.00	-7.82	AVG	H
9800.00	40.37	32.37	40.14	9.80	42.39	74.00	-31.61	peak	H
9800.00	37.92	32.37	40.14	9.80	39.94	54.00	-14.06	AVG	H
2450.00	84.57	26.45	40.18	8.90	79.74	114.00	-34.26	peak	V
2450.00	71.27	26.45	40.18	8.90	66.43	94.00	-27.57	AVG	V
4900.00	48.07	30.75	40.12	10.07	48.78	74.00	-25.22	peak	V
4900.00	46.96	30.75	40.12	10.07	47.66	54.00	-6.34	AVG	V
7350.00	49.98	35.61	40.13	8.77	54.23	74.00	-19.77	peak	V
7350.00	40.23	35.61	40.13	8.77	44.49	54.00	-9.51	AVG	V
9800.00	42.16	32.37	40.14	9.80	44.18	74.00	-29.82	peak	V
9800.00	38.96	32.37	40.14	9.80	40.99	54.00	-13.01	AVG	V

Note: 1. Result Level = Reading Level + Antenna Factor + Cable loss – Pre-amp Factor.

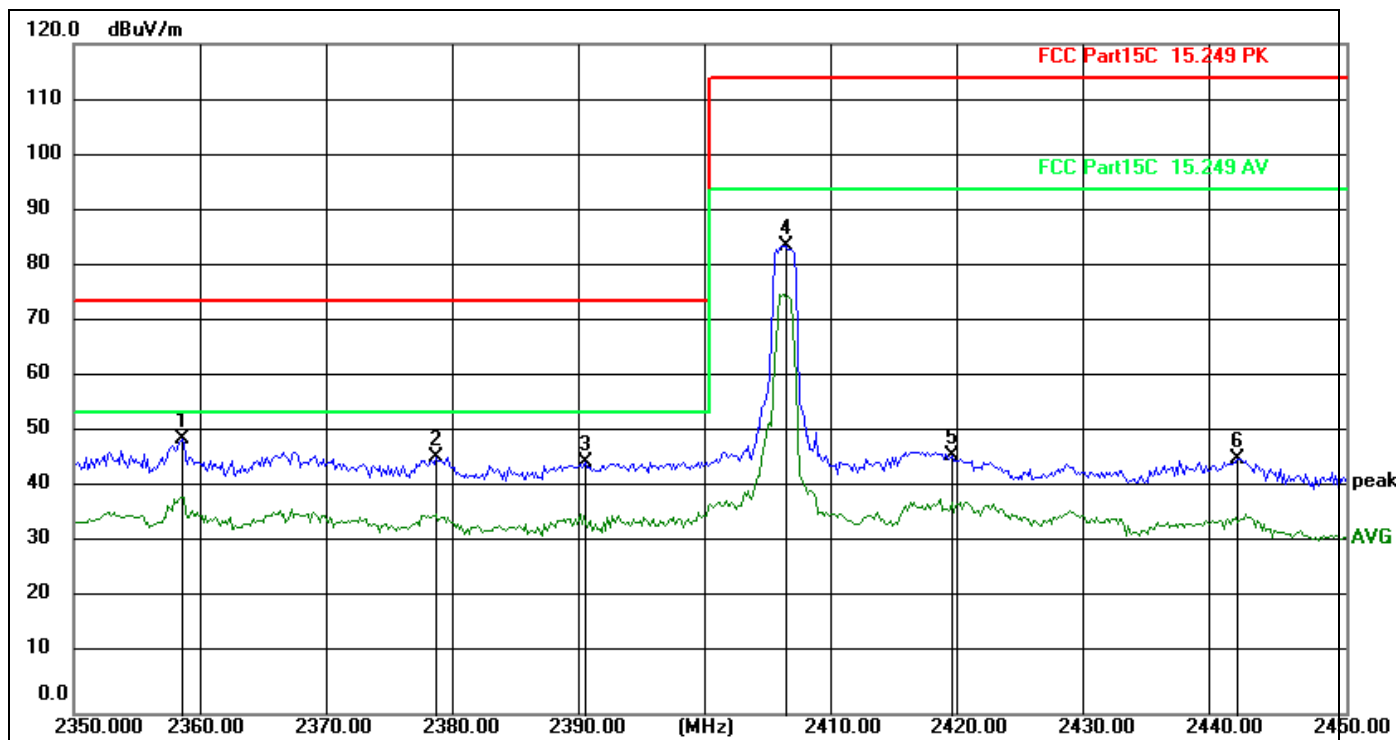
2. Antenna polarization: “H” means Horizontal, “V” means Vertical.

Site:	966 LAB	Antenna::H / V	Temperature(C):24(C)
Limit:	FCC Part 15.249		Humidity(%):60%
EUT:	remote control	Test Time:	2025/9/27
M/N.:	RC-613	Power Rating:	DC3V
Mode:	2470MHz	Test Engineer:	Taylor Chen
Note:			

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Pre- amp (dB)	Cable loss (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detect	Antenna polarizat ion
2470.00	85.16	26.47	40.21	9.73	81.15	114.00	-32.85	peak	H
2470.00	69.28	26.47	40.21	9.73	65.27	94.00	-28.73	AVG	H
4940.00	53.05	30.30	40.14	10.27	53.48	74.00	-20.52	peak	H
4940.00	43.32	30.30	40.14	10.27	43.75	54.00	-10.25	AVG	H
7410.00	50.41	35.54	40.10	8.93	54.77	74.00	-19.23	peak	H
7410.00	42.15	35.54	40.10	8.93	46.51	54.00	-7.49	AVG	H
9880.00	42.17	32.72	40.17	9.59	44.30	74.00	-29.70	peak	H
9880.00	37.07	32.72	40.17	9.59	39.20	54.00	-14.80	AVG	H
2470.00	84.91	26.47	40.21	9.73	80.90	114.00	-33.10	peak	V
2470.00	71.18	26.47	40.21	9.73	67.17	94.00	-26.83	AVG	V
4940.00	49.17	30.30	40.14	10.27	49.60	74.00	-24.40	peak	V
4940.00	42.18	30.30	40.14	10.27	42.61	54.00	-11.39	AVG	V
7410.00	48.63	35.54	40.10	8.93	52.99	74.00	-21.01	peak	V
7410.00	42.96	35.54	40.10	8.93	47.32	54.00	-6.68	AVG	V
9880.00	41.94	32.72	40.17	9.59	44.07	74.00	-29.93	peak	V
9880.00	36.73	32.72	40.17	9.59	38.86	54.00	-15.14	AVG	V

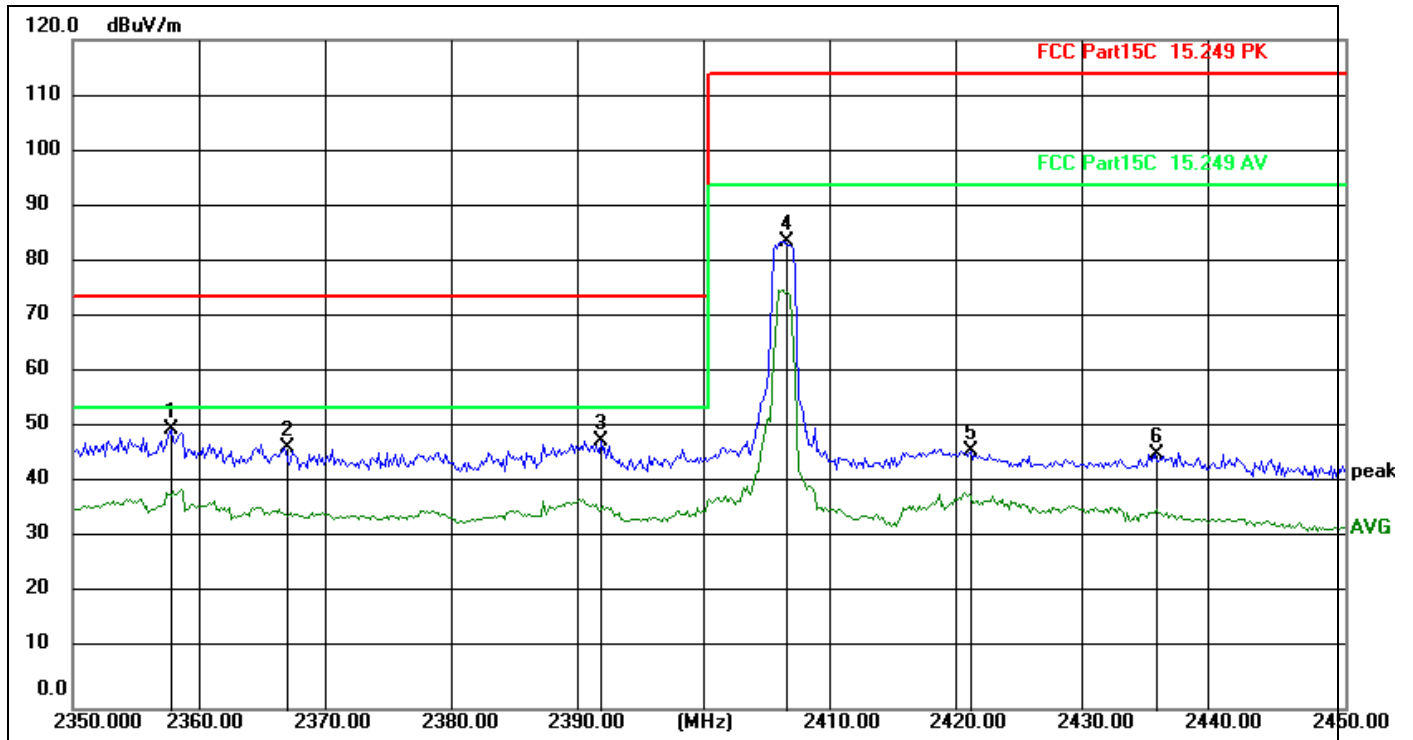
Note: 1. Result Level = Reading Level + Antenna Factor + Cable loss – Pre-amp Factor.

2. Antenna polarization: “H” means Horizontal, “V” means Vertical.



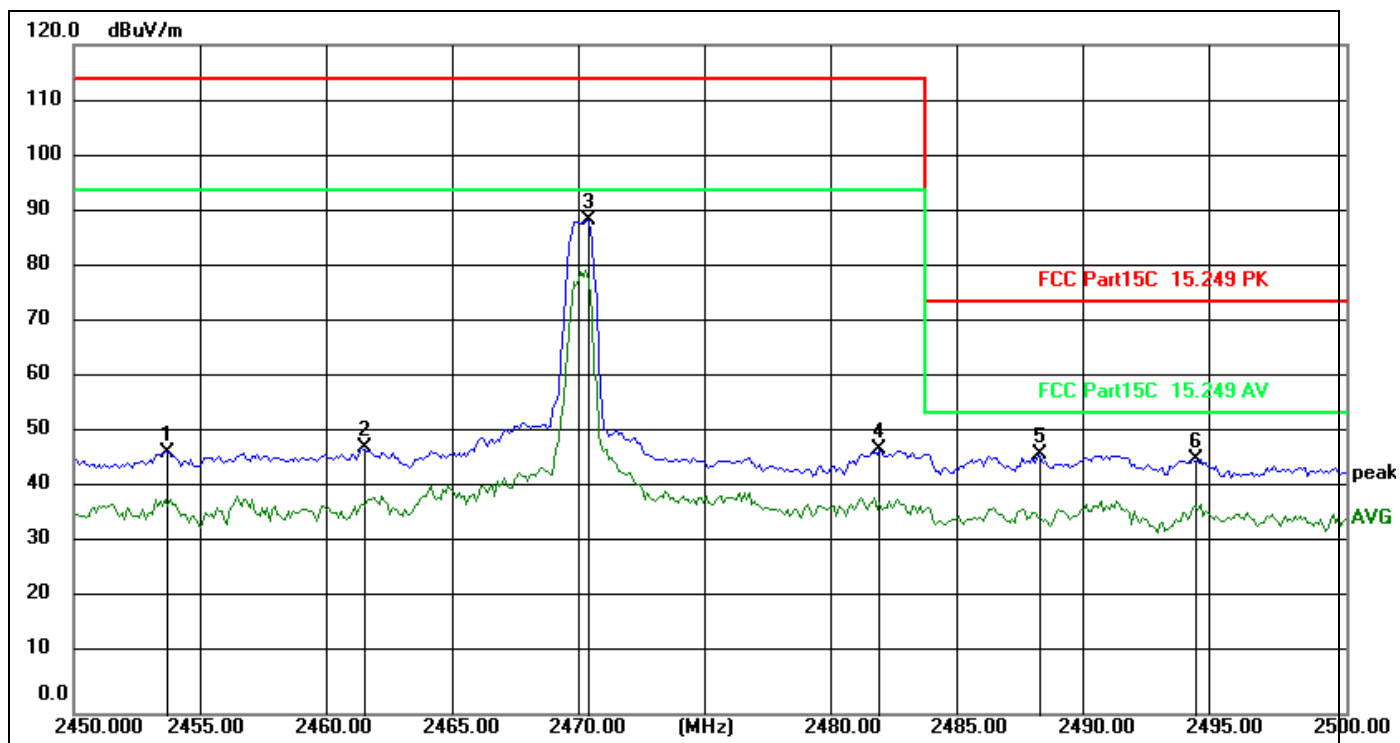
Site:	966LAB	Antenna::Horizontal	Temperature(C):24(C)
Limit:	FCC Part15C 15.249 PK		Humidity(%):60%
EUT:	Remote control	Test Time:	2026/1/4 9:20:16
M/N.:	RC-613(2470MHz)	Power Rating:	DC 3V
Mode:	Working	Test Engineer:	Taylor Chen
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	2358.490	41.55	7.64	49.19	74.00	-24.81	peak			
2	2378.459	38.32	7.71	46.03	74.00	-27.97	peak			
3	2390.251	37.33	7.75	45.08	74.00	-28.92	peak			
4	2405.818	76.13	7.80	83.93	114.00	-30.07	peak			
5	2419.025	38.59	7.85	46.44	114.00	-67.56	peak			
6	2441.509	37.77	7.92	45.69	114.00	-68.31	peak			



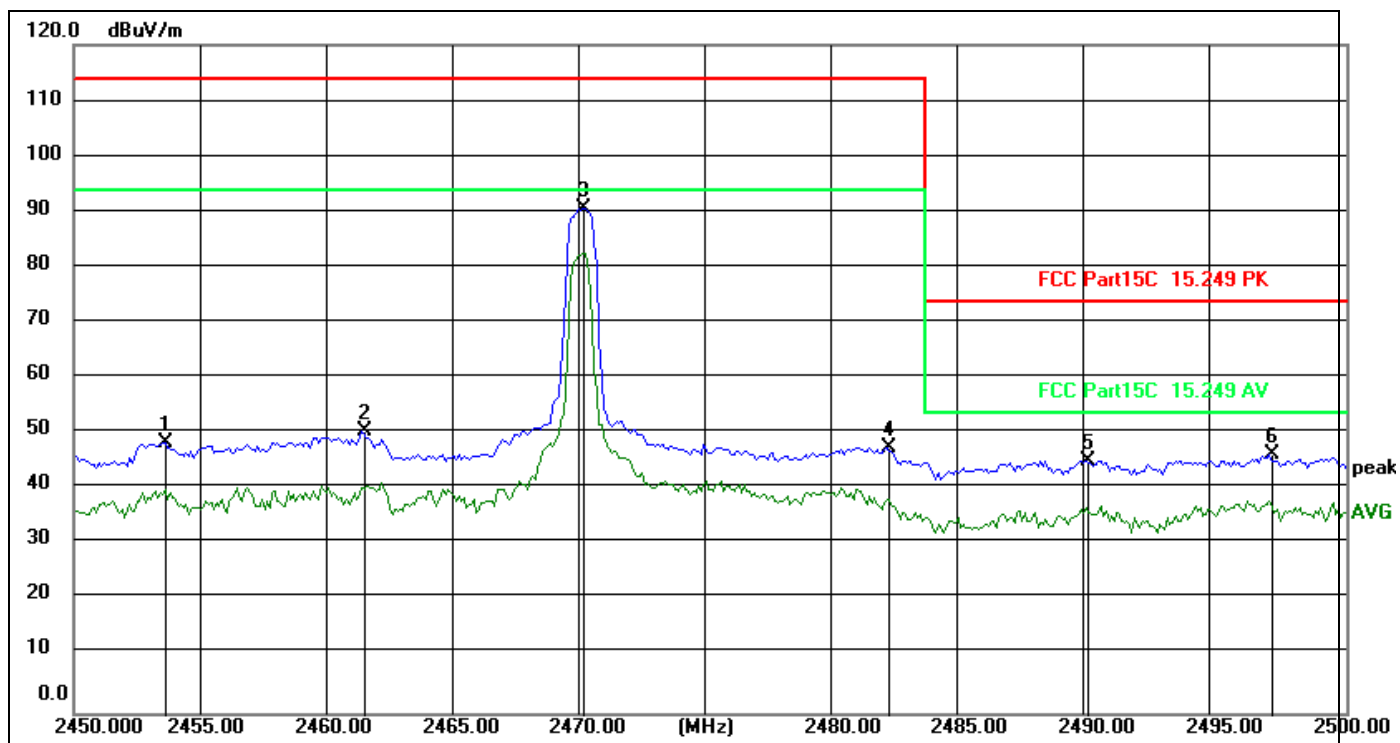
Site:	966LAB	Antenna::	Vertical	Temperature(C):	24(C)
Limit:	FCC Part15C 15.249 PK			Humidity(%):	60%
EUT:	Remote contorl	Test Time:	2026/1/4 9:24:35		
M/N.:	RC-613(2470MHz)	Power Rating:	DC 3V		
Mode:	Working	Test Engineer:	Taylor Chen		
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	2357.704	42.40	7.64	50.04	74.00	-23.96	peak			
2	2366.667	39.12	7.67	46.79	74.00	-27.21	peak			
3	2391.509	40.27	7.76	48.03	74.00	-25.97	peak			
4	2405.975	76.06	7.80	83.86	114.00	-30.14	peak			
5	2420.597	38.52	7.85	46.37	114.00	-67.63	peak			
6	2435.063	37.80	7.90	45.70	114.00	-68.30	peak			



Site:	966LAB	Antenna::Horizontal	Temperature(C):24(C)
Limit:	FCC Part15C 15.249 PK		Humidity(%):60%
EUT:	Remote control	Test Time:	2026/1/4 9:40:20
M/N.:	RC-613(2470MHz)	Power Rating:	DC 3V
Mode:	Working	Test Engineer:	Taylor Chen
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	2453.707	38.91	7.96	46.87	114.00	-67.13	peak			
2	2461.323	39.69	7.99	47.68	114.00	-66.32	peak			
3 *	2470.240	80.61	8.02	88.63	114.00	-25.37	peak			
4	2481.663	39.38	8.06	47.44	114.00	-66.56	peak			
5	2487.876	38.45	8.08	46.53	74.00	-27.47	peak			
6	2493.988	37.70	8.10	45.80	74.00	-28.20	peak			



Site:	966LAB	Antenna::	Vertical	Temperature(C):	24(C)
Limit:	FCC Part15C 15.249 PK			Humidity(%):	60%
EUT:	Remote contorl	Test Time:	2026/1/4 9:45:19		
M/N.:	RC-613(2470MHz)	Power Rating:	DC 3V		
Mode:	Working	Test Engineer:	Taylor Chen		
Note:					

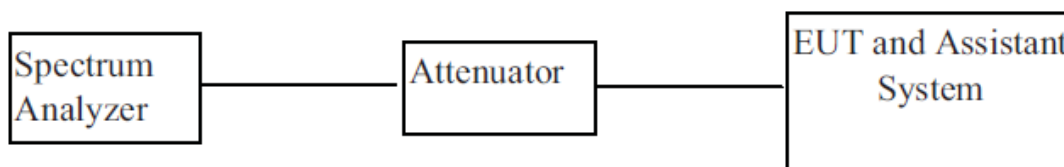
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	2453.607	40.80	7.96	48.76	114.00	-65.24	peak			
2	2461.323	42.69	7.99	50.68	114.00	-63.32	peak			
3 *	2470.040	82.77	8.02	90.79	114.00	-23.21	peak			
4	2481.964	39.87	8.06	47.93	114.00	-66.07	peak			
5	2489.780	37.30	8.09	45.39	74.00	-28.61	peak			
6	2496.994	38.54	8.11	46.65	74.00	-27.35	peak			

5. Occupied Bandwidth

5.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Signal Analyzer	Agilent	N9020A	MY54510476	2025-05-08	1 Year

5.2. BLOCK DIAGRAM OF TEST SETUP



5.3. Limit

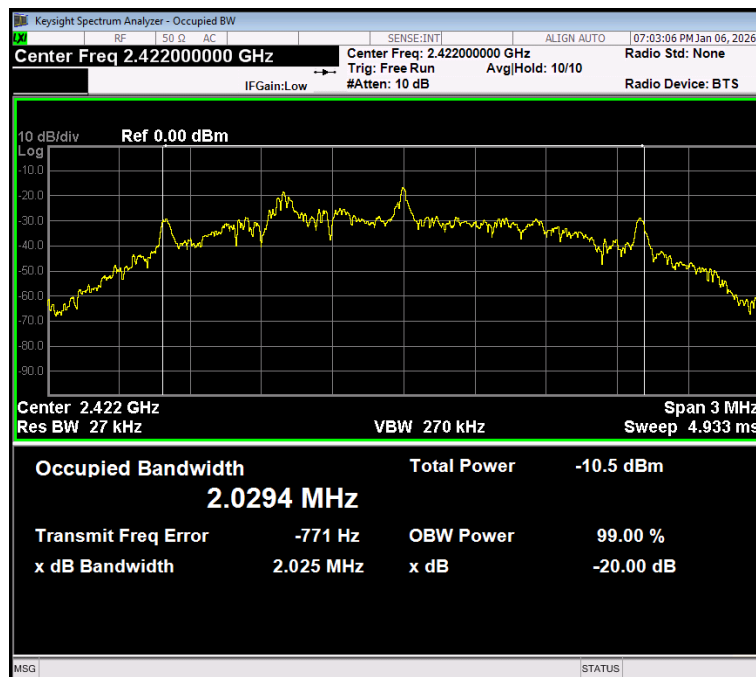
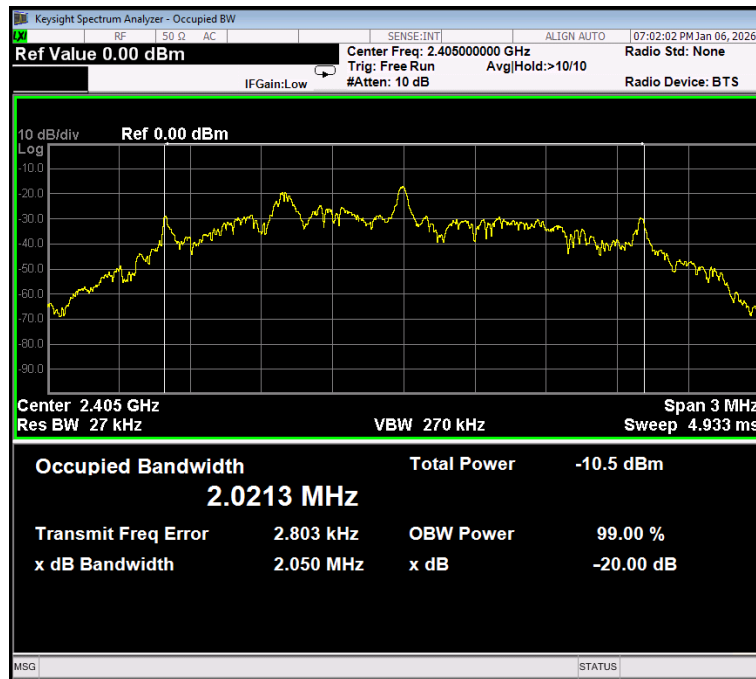
(c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

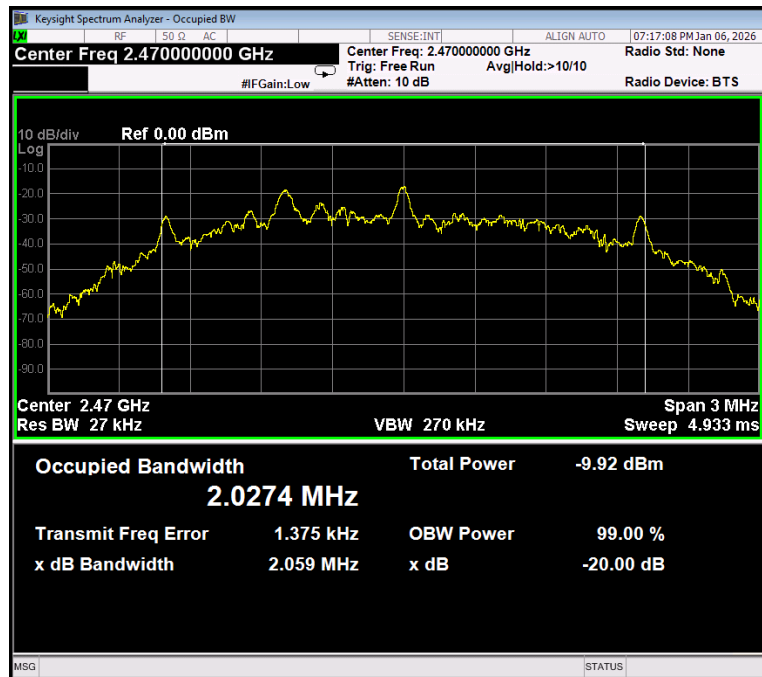
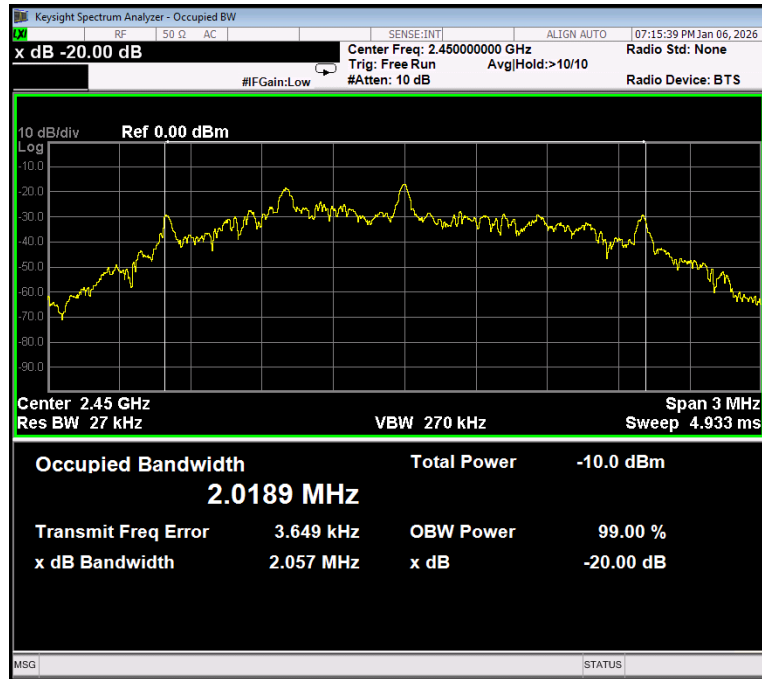
5.4. Test Procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) The bandwidth of the fundamental frequency was measured by spectrum analyzer with 27 kHz RBW and 270 kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

5.5. Test result

Cent. Freq. (MHz)	-20dB bandwidth (MHz)	Result
2405	2.050	PASS
2422	2.025	PASS
2450	2.057	PASS
2470	2.059	PASS

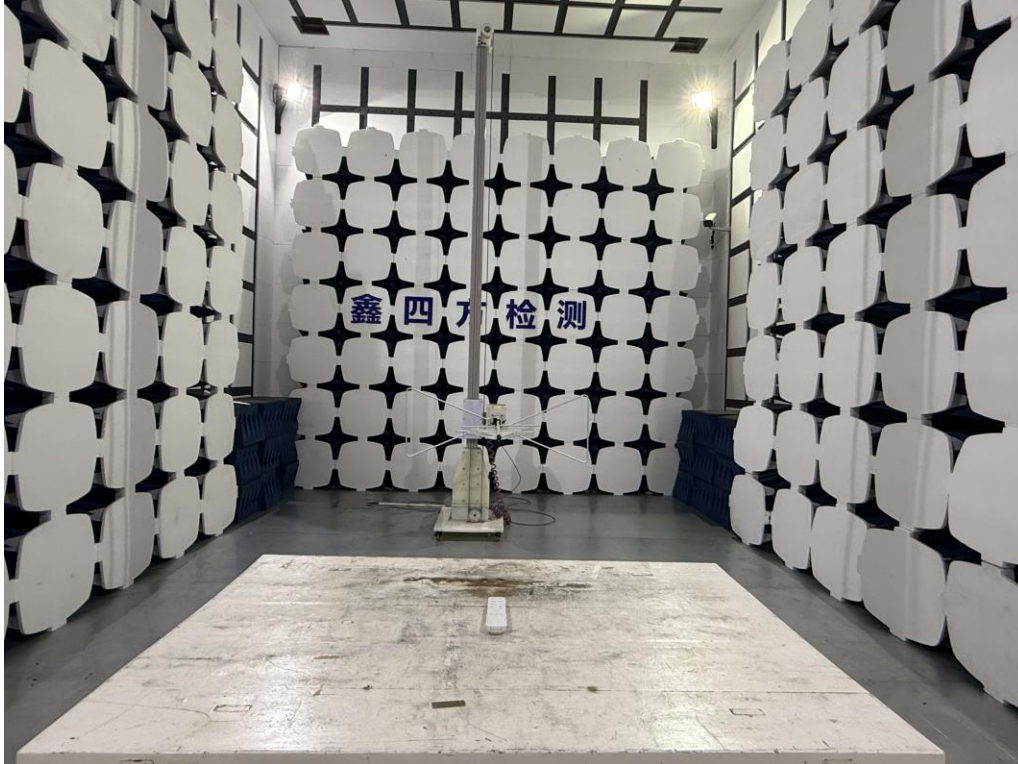




6. TEST SETUP PHOTOGRAPH

6.1. Photos of radiated emission test

30MHz – 1GHz

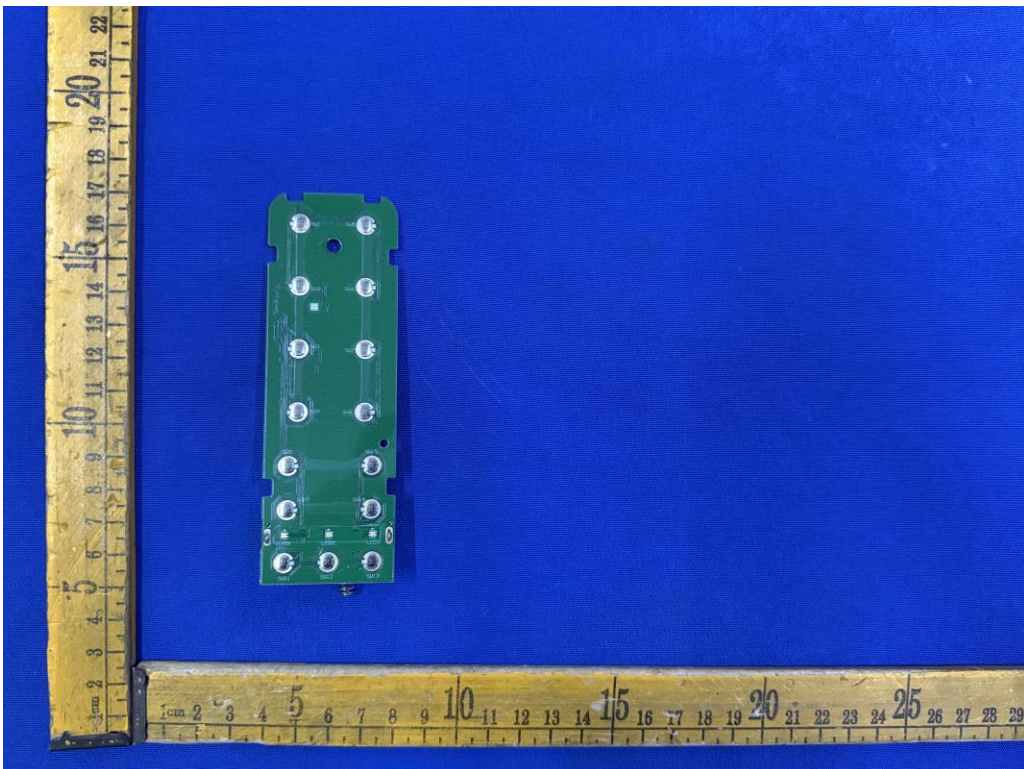


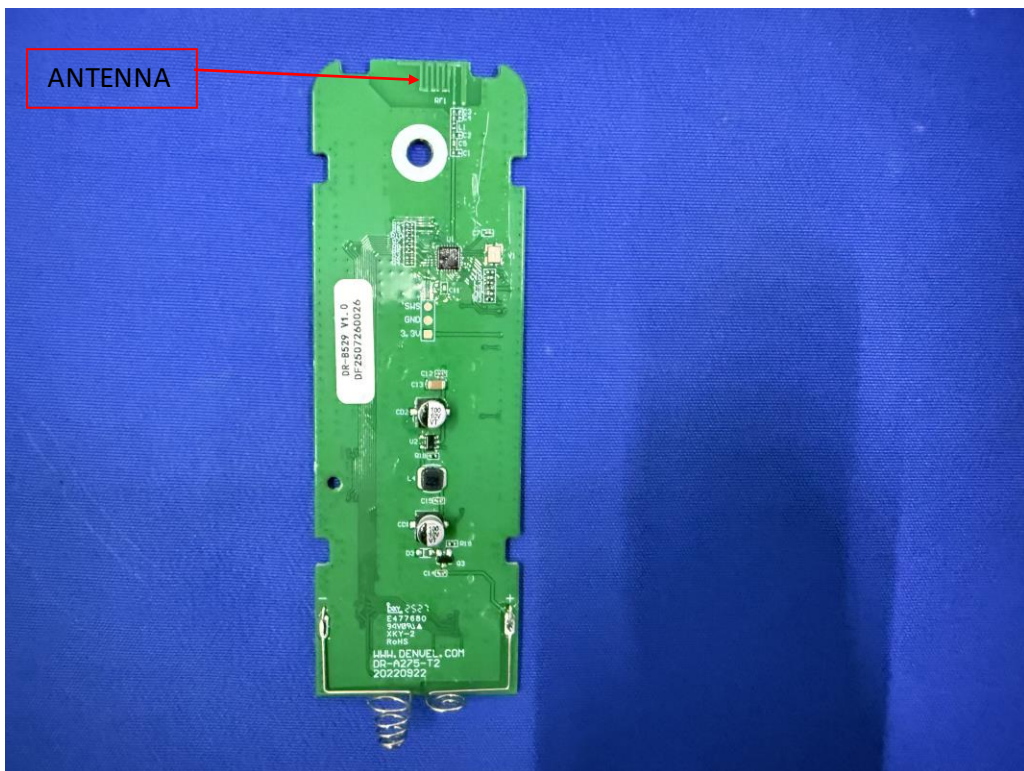
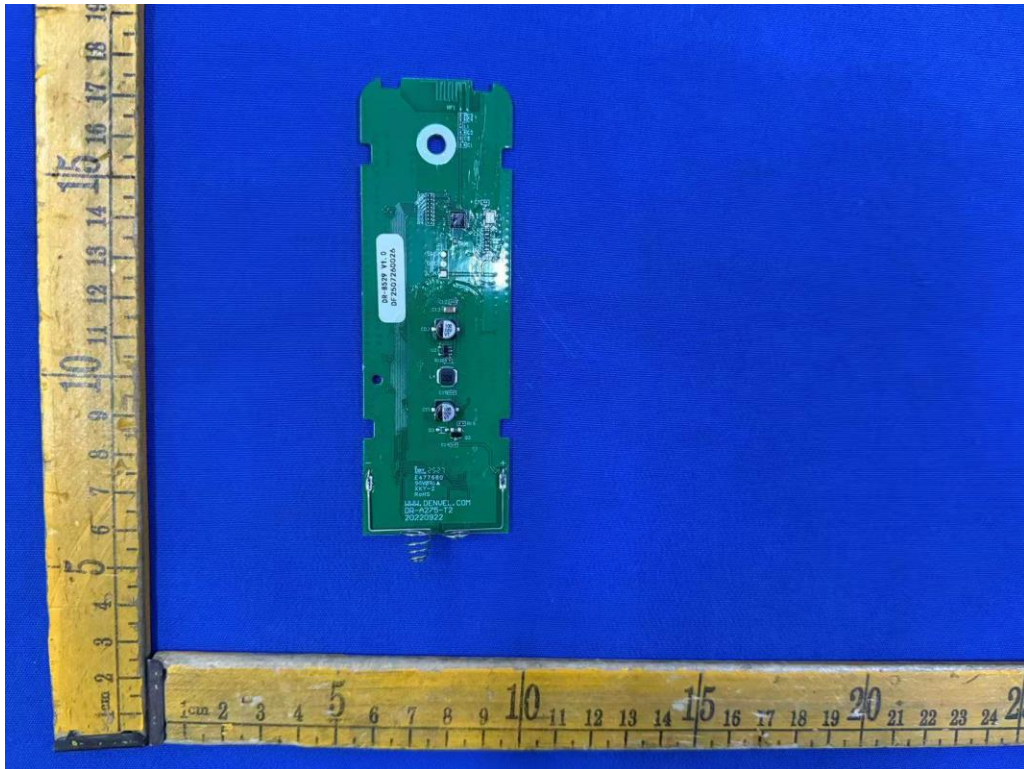
Above 1GHz



6. Photos of the EUT







--END OF REPORT--