

RF TEST REPORT

For

Shenzhen Yile Dynamic Technology Co., LTD.

Product Name: UREVO SP1 Lite smart walking treadmill

Test Model(s): URTM022

Report Reference No. : DACE250430003RL001

FCC ID : 2A8UT-URTM022-1

Applicant's Name : Shenzhen Yile Dynamic Technology Co., LTD.

Address : 1205-1206, Tianliao Building, Tangchang Road, Tanglang Community,
Taoyuan Street, Nanshan District, Shenzhen City, 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 : April 30, 2025

Date of Test : April 30, 2025 to May 9, 2025

Data of Issue : May 9, 2025

Result : Pass

Note: This report shall not be reproduced except in full, without the written approval of Shenzhen DACE Testing Technology Co., Ltd. This document may be altered or revised by Shenzhen DACE Testing Technology Co., Ltd. personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample

Apply for company information

Applicant's Name	:	Shenzhen Yile Dynamic Technology Co., LTD.
Address	:	1205-1206, Tianliao Building, Tangchang Road, Tanglang Community, Taoyuan Street, Nanshan District, Shenzhen City, China
Product Name	:	UREVO SP1 Lite smart walking treadmill
Test Model(s)	:	URTM022
Series Model(s)	:	N/A
Test Specification Standard(s)	:	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:

Keren Huang

Keren Huang / Test Engineer

May 9, 2025

Supervised by:

Ben Tang

Ben Tang / Project Engineer

May 9, 2025

Approved by:

Machael Mo

Machael Mo / Manager

May 9, 2025

Revision History Of Report

Version	Description	REPORT No.	Issue Date
V1.0	Original	DACE250430003RL001	May 9, 2025

CONTENTS

1	TEST SUMMARY	5
1.1	TEST STANDARDS	5
1.2	SUMMARY OF TEST RESULT	5
2	GENERAL INFORMATION	6
2.1	CLIENT INFORMATION	6
2.2	DESCRIPTION OF DEVICE (EUT)	6
2.3	DESCRIPTION OF TEST MODES	6
2.4	DESCRIPTION OF SUPPORT UNITS	6
2.5	EQUIPMENTS USED DURING THE TEST	7
2.6	STATEMENT OF THE MEASUREMENT UNCERTAINTY	8
3	EVALUATION RESULTS (EVALUATION)	9
3.1	ANTENNA REQUIREMENT	9
4	RADIO SPECTRUM MATTER TEST RESULTS (RF)	9
4.1	OCCUPIED BANDWIDTH	10
4.1.1	E.U.T. Operation:	11
4.1.2	Test Setup Diagram:	11
4.1.3	Test Data:	11
4.2	FIELD STRENGTH OF FUNDAMENTAL	12
4.2.1	E.U.T. Operation:	12
4.2.2	Test Data:	13
4.3	BAND EDGE EMISSIONS (RADIATED)	15
4.3.1	E.U.T. Operation:	15
4.3.2	Test Setup Diagram:	15
4.3.3	Test Data:	16
4.4	EMISSIONS IN FREQUENCY BANDS (BELOW 1GHz)	18
4.4.1	E.U.T. Operation:	18
4.4.2	Test Data:	19
4.5	EMISSIONS IN FREQUENCY BANDS (ABOVE 1GHz)	21
4.5.1	E.U.T. Operation:	21
4.5.2	Test Setup Diagram:	22
4.5.3	Test Data:	22
5	TEST SETUP PHOTOS	24
6	PHOTOS OF THE EUT	25

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 C63.10-2013, section 6.9.2	47 CFR 15.215(c)	Pass
Field strength of fundamental	47 CFR Part 15.249	ANSI C63.10-2013 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 C63.10-2013 section 6.6.4	47 CFR 15.249(d)	Pass
Emissions in frequency bands (below 1GHz)	47 CFR Part 15.249	ANSI C63.10-2013 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 C63.10-2013 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 : Shenzhen Yile Dynamic Technology Co., LTD.
Address : 1205-1206, Tianliao Building, Tangchang Road, Tanglang Community, Taoyuan Street, Nanshan District, Shenzhen City, China

Manufacturer : Shenzhen Yile Dynamic Technology Co., LTD.
Address : 1205-1206, Tianliao Building, Tangchang Road, Tanglang Community, Taoyuan Street, Nanshan District, Shenzhen City, China

2.2 Description of Device (EUT)

Product Name:	UREVO SP1 Lite smart walking treadmill
Model/Type reference:	URTM022
Series Model:	N/A
Trade Mark:	UREVO
Power Supply:	DC3.0V
Operation Frequency:	2450MHz
Number of Channels:	1
Modulation Type:	GFSK
Antenna Type:	PCB
Antenna Gain:	0.58dBi
Hardware Version:	V1.0
Software Version:	V1.0

2.3 Description of Test Modes

No	Title	Description
TM1	Channel 2450MHz	Keep the EUT connect to DC power line and works in continuously transmitting mode with GFSK modulation.

2.4 Description of Support Units

The EUT was tested as an independent device.

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(she nzhen) Co.,Ltd.	RTS-01	V1.0.0	/	/
Power divider	MIDEWEST	PWD-2533	SMA-79	2023-05-11	2026-05-10
RF Sensor Unit	Tachoy Information Technology(she nzhen) 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	2024-06-14	2026-06-13
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	2025-04-25	2026-04-24
Test Receiver	R&S	ESCI 3	1166.5950K03-101431-Jq	2025-04-25	2026-04-24
Horn Antenna	Sunol Sciences	DRH-118	A091114	2025-04-28	2026-04-27
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

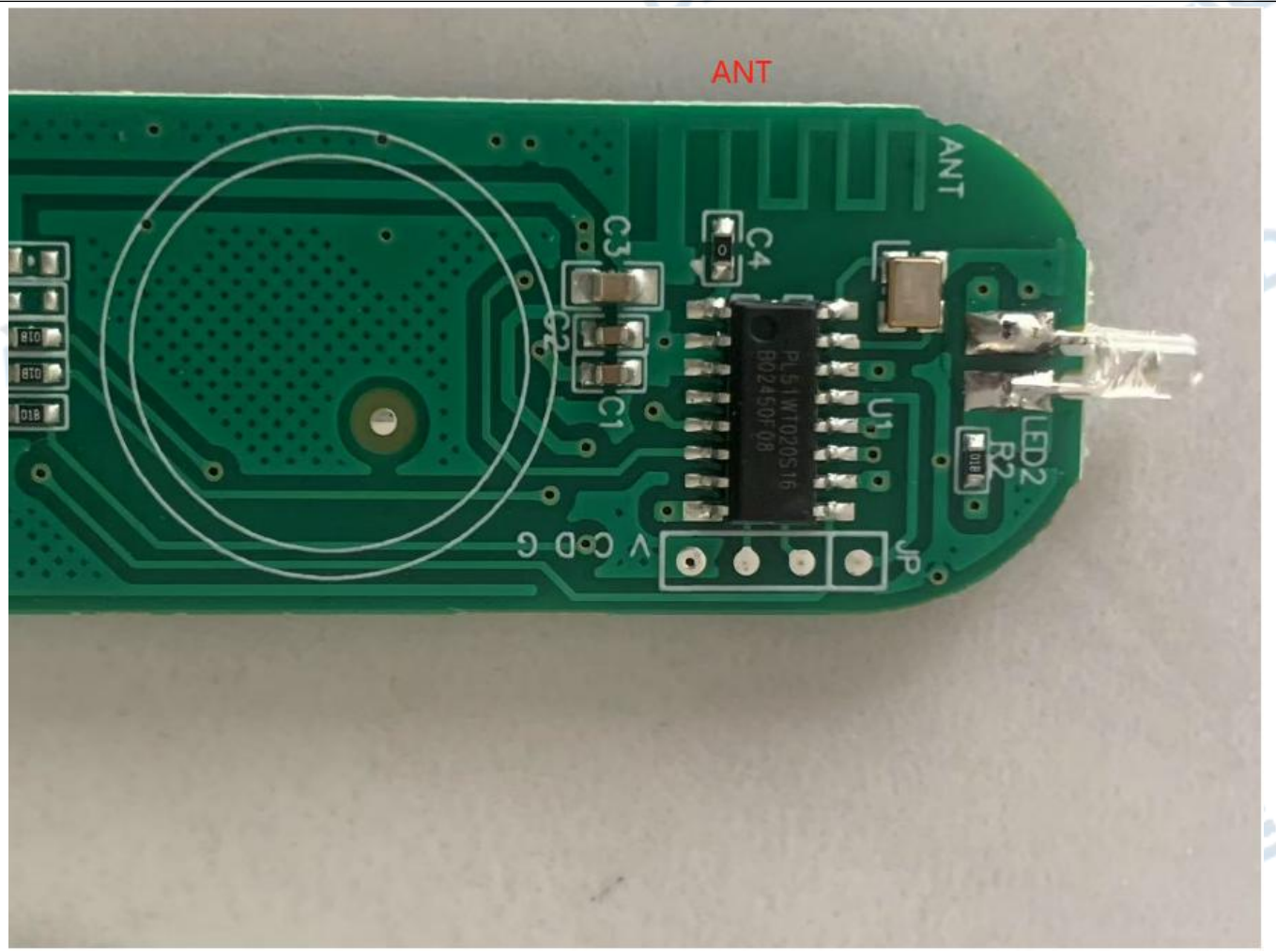
- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) 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.
-------------------	---

3.1.1 Conclusion:



4 Radio Spectrum Matter Test Results (RF)

4.1 Occupied Bandwidth

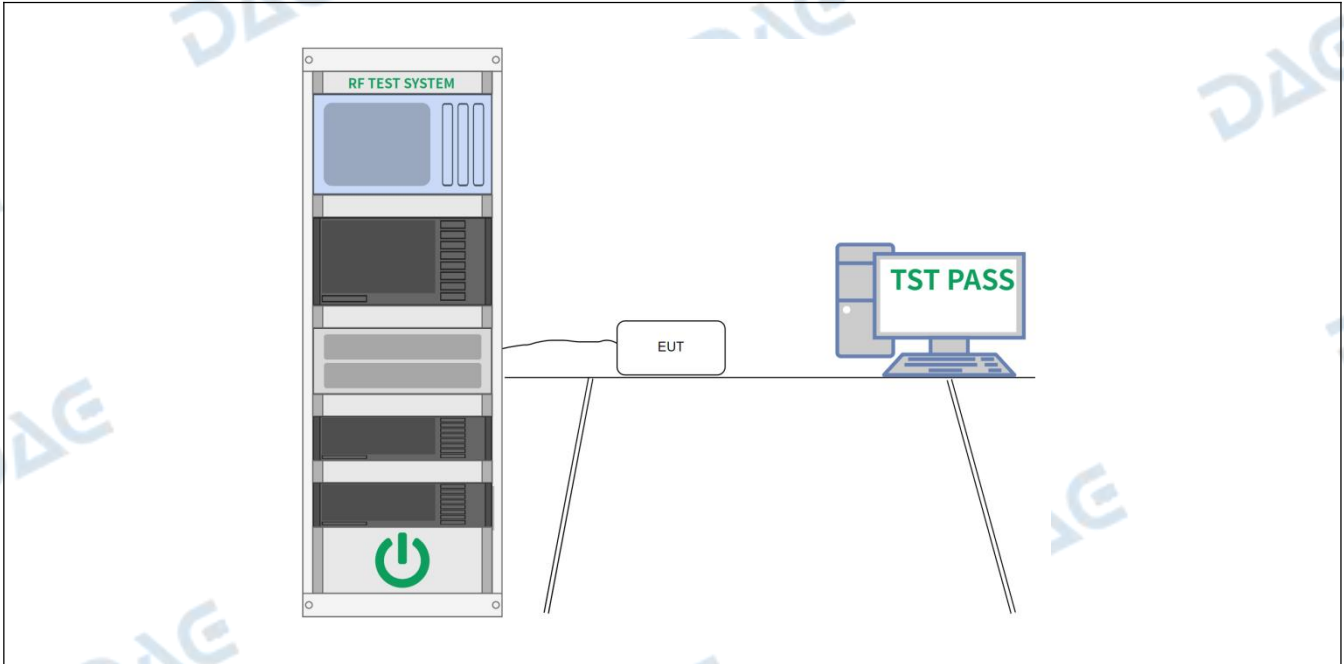
Test Requirement:	47 CFR 15.215(c)
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the 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 C63.10-2013, 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 $[10 \log (OBW/RBW)]$ 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 $[(\text{reference value}) - \text{xx}]$. 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:

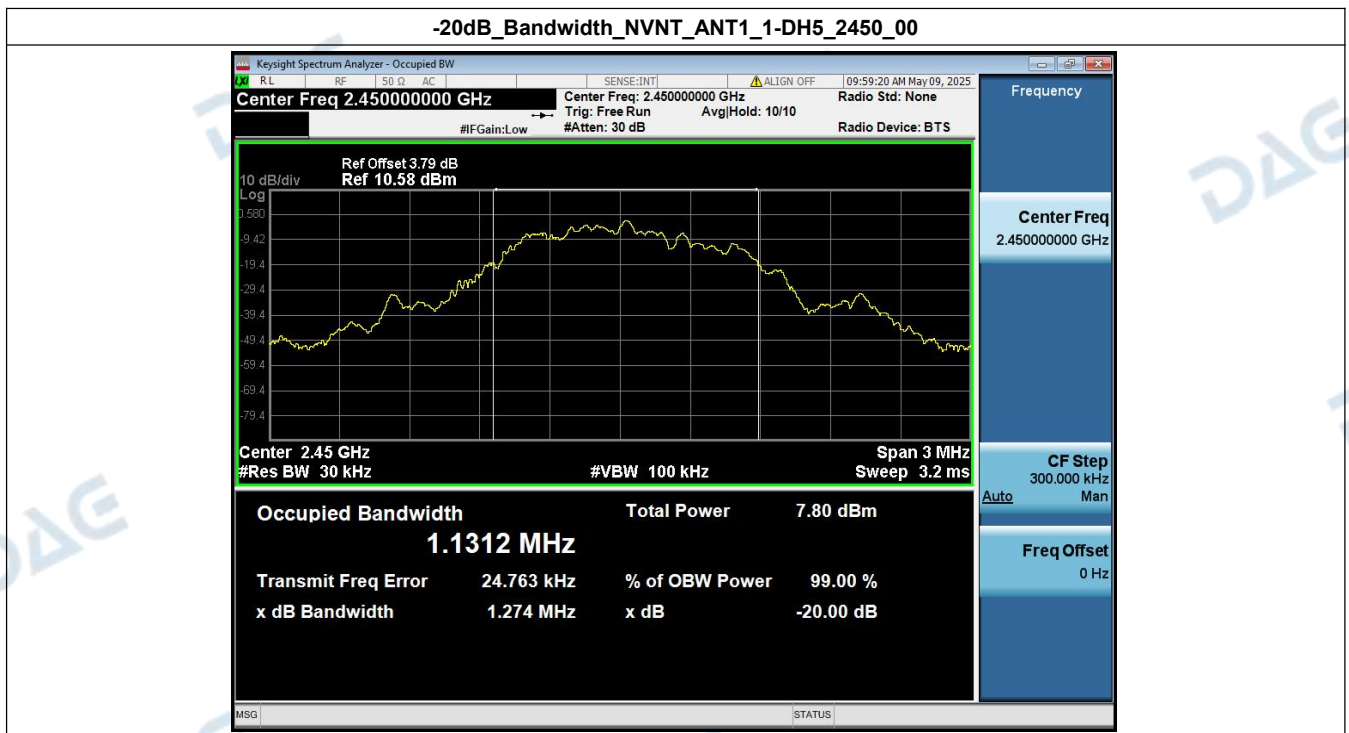
Temperature:	22.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

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	2450.00	1.274	Yes



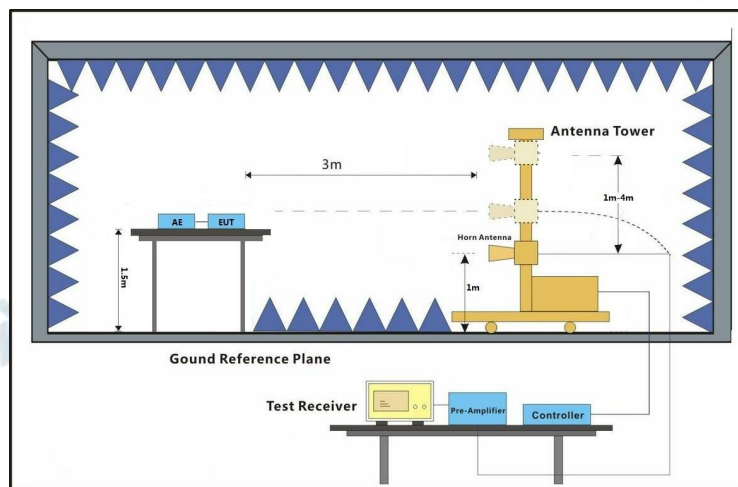
4.2 Field strength of fundamental

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:		
	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 C63.10-2013 section 6.6		
Procedure:	ANSI C63.10-2013 section 6.6		

4.2.1 E.U.T. Operation:

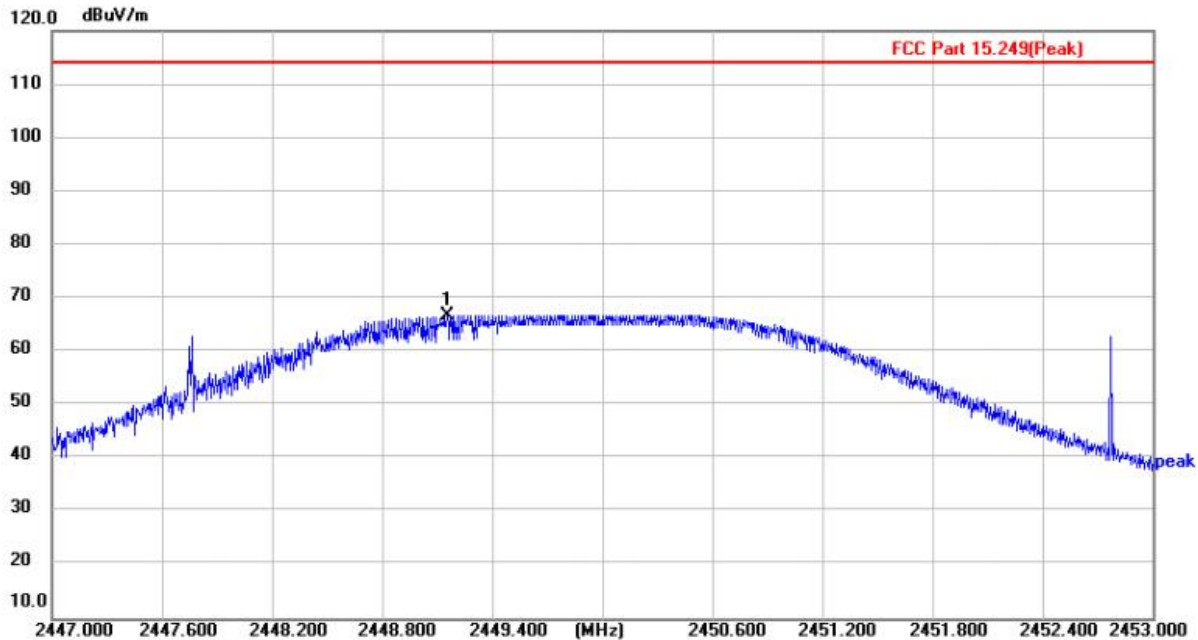
Operating Environment:					
Temperature:	22.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

4.2.2 Test Setup Diagram:

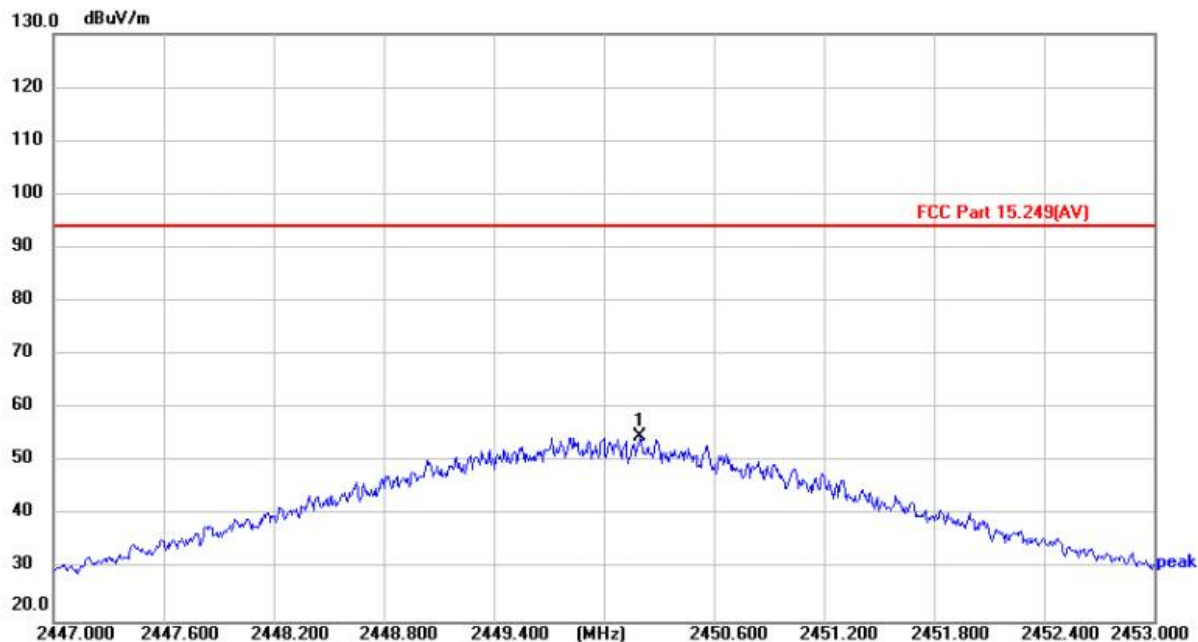


4.2.3 Test Data:

TM1 / Polarization: Horizontal

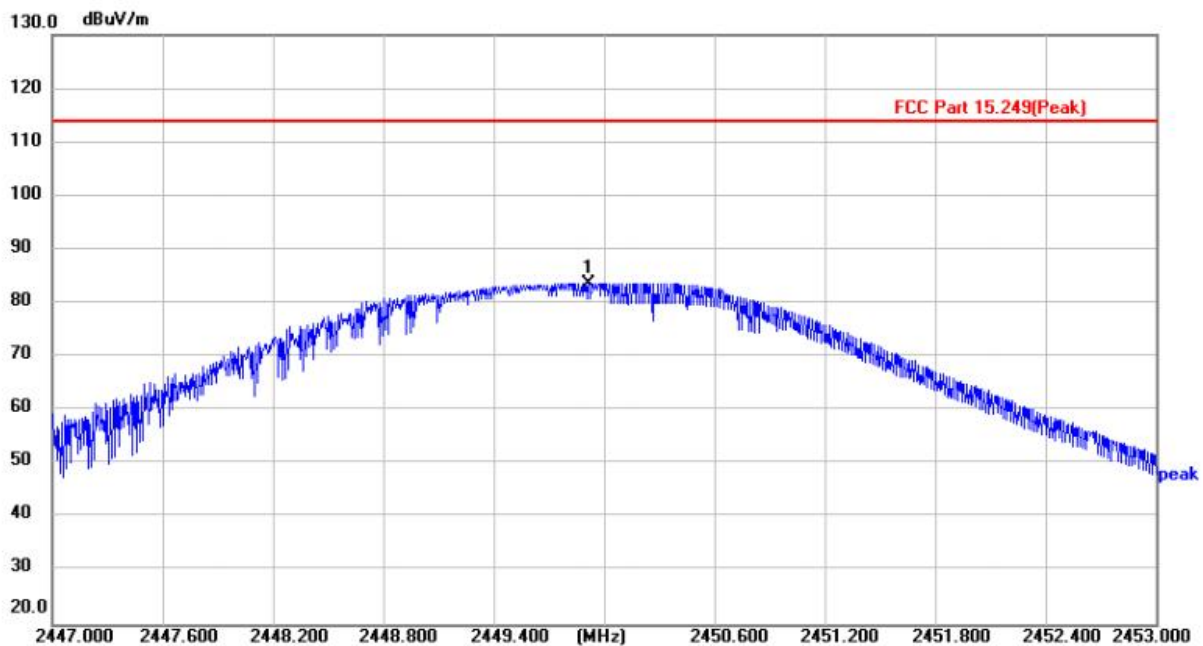


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2449.154	70.11	-3.26	66.85	114.00	-47.15	peak			P	

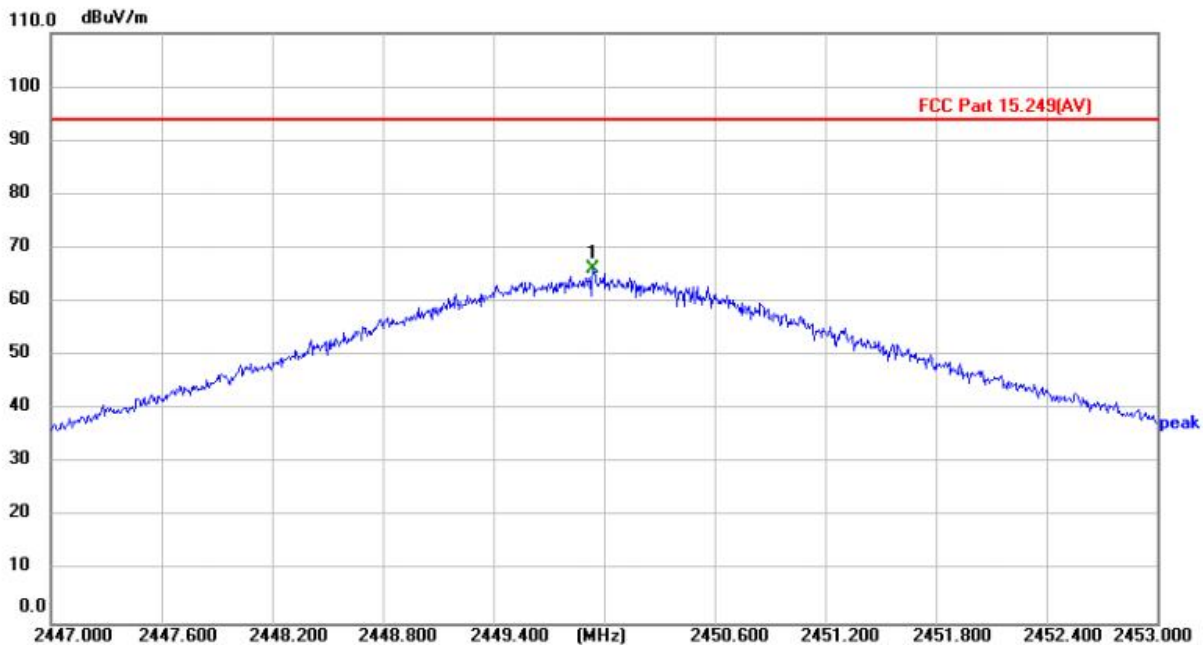


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2450.198	58.14	-3.26	54.88	94.00	-39.12	AV			P	

TM1 / Polarization: Vertical



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 *	2449.916	87.00	-3.26	83.74	114.00	-30.26	peak	100		P	



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 *	2449.940	69.39	-3.26	66.13	94.00	-27.87	AVG			P	

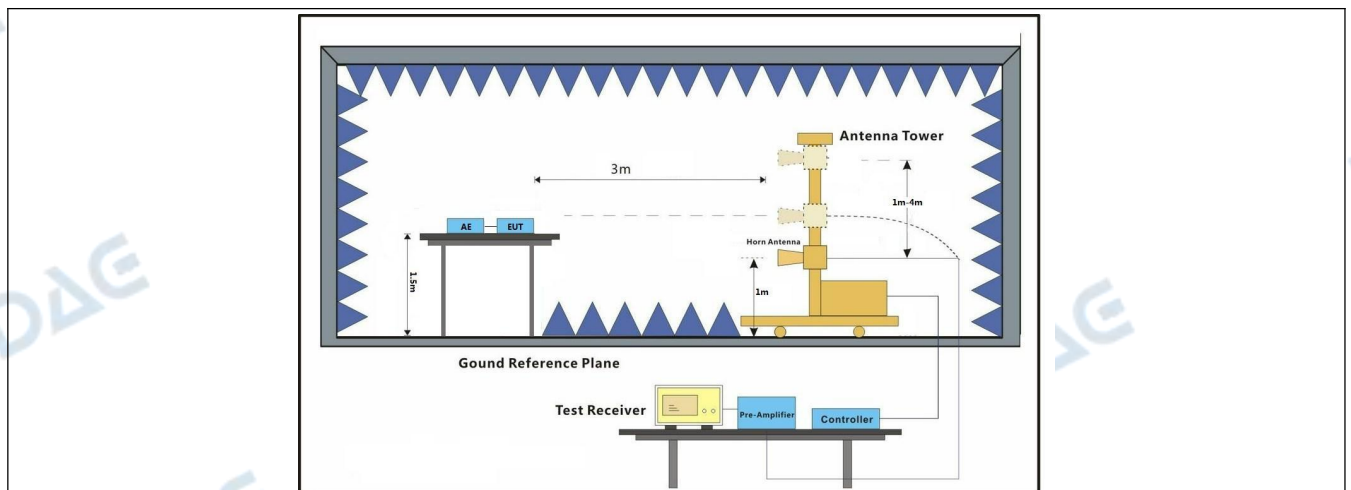
4.3 Band edge emissions (Radiated)

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)	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
	<p>** 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.</p> <p>In the emission table above, the tighter limit applies at the band edges.</p> <p>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.</p>		
Test Method:	ANSI C63.10-2013 section 6.6.4		
Procedure:	ANSI C63.10-2013 section 6.6.4		

4.3.1 E.U.T. Operation:

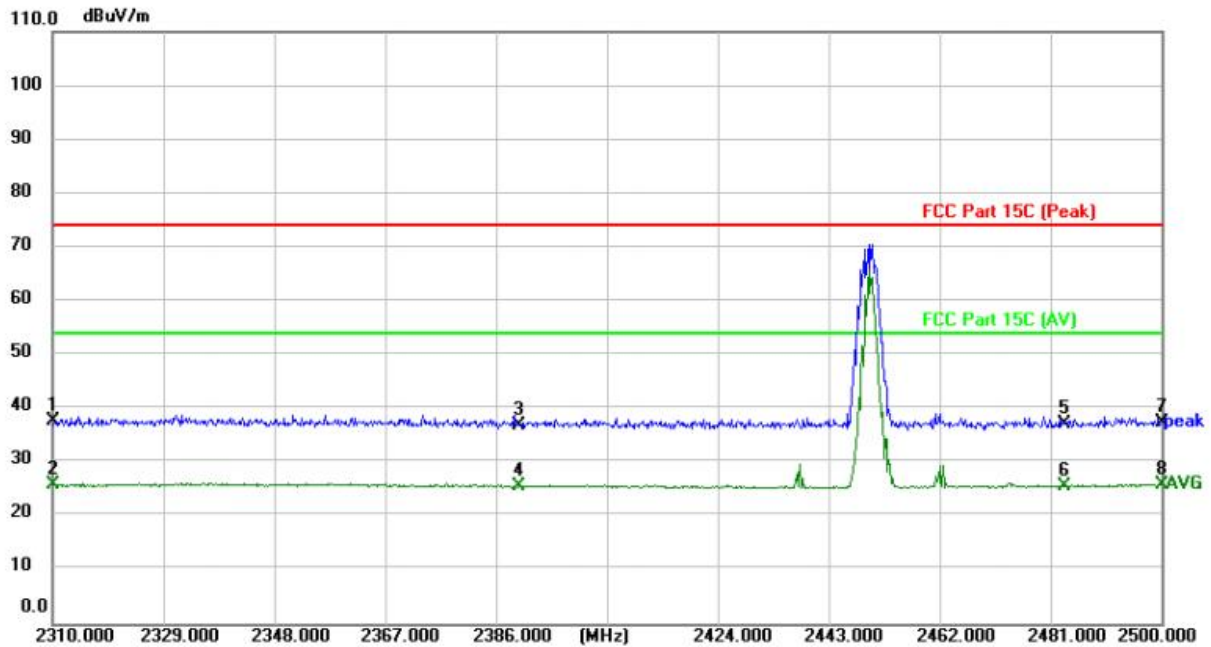
Operating Environment:				
Temperature:	22.3 °C	Humidity:	48 %	Atmospheric Pressure: 101 kPa
Pretest mode:	TM1			
Final test mode:	TM1			

4.3.2 Test Setup Diagram:



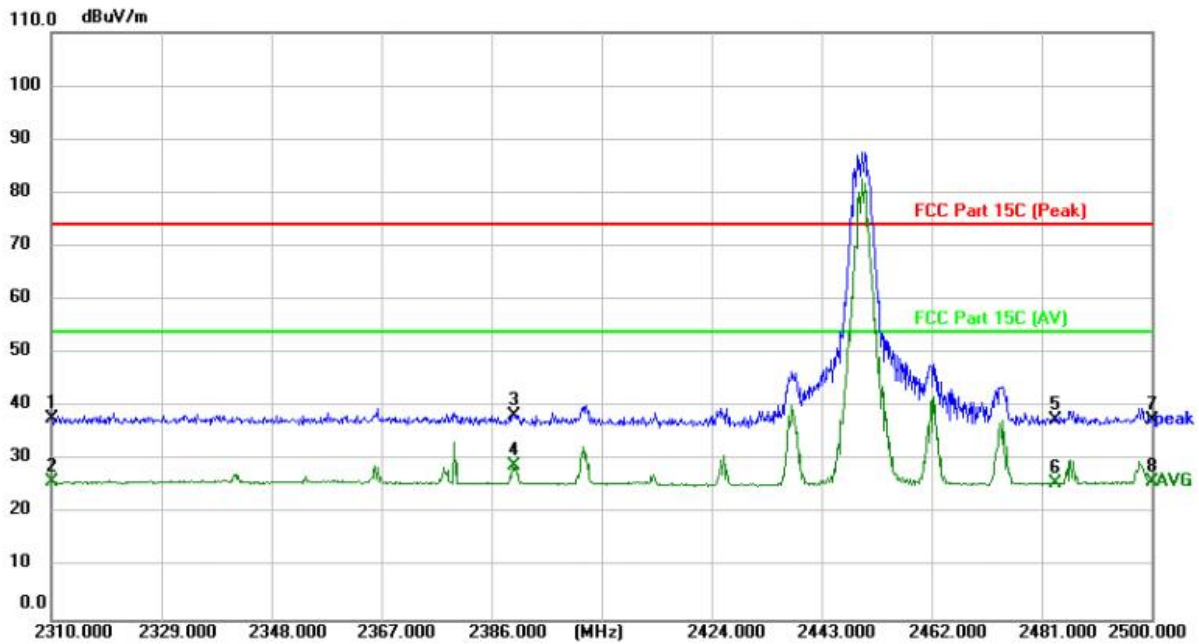
4.3.3 Test Data:

TM1 / Polarization: Horizontal



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	41.34	-3.63	37.71	74.00	-36.29	peak	100		P	
2 *	2310.000	29.59	-3.63	25.96	54.00	-28.04	AVG	100		P	
3	2390.000	40.47	-3.42	37.05	74.00	-36.95	peak	100		P	
4	2390.000	29.17	-3.42	25.75	54.00	-28.25	AVG	100		P	
5	2483.500	40.44	-3.17	37.27	74.00	-36.73	peak	100		P	
6	2483.500	28.92	-3.17	25.75	54.00	-28.25	AVG	100		P	
7	2500.000	40.65	-3.13	37.52	74.00	-36.48	peak	100		P	
8	2500.000	29.03	-3.13	25.90	54.00	-28.10	AVG	100		P	

TM1 / Polarization: Vertical



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	41.49	-3.63	37.86	74.00	-36.14	peak	100		P	
2	2310.000	29.63	-3.63	26.00	54.00	-28.00	AVG	100		P	
3	2390.000	41.86	-3.42	38.44	74.00	-35.56	peak	100		P	
4 *	2390.000	32.36	-3.42	28.94	54.00	-25.06	AVG	100		P	
5	2483.500	40.75	-3.17	37.58	74.00	-36.42	peak	100		P	
6	2483.500	28.83	-3.17	25.66	54.00	-28.34	AVG	100		P	
7	2500.000	40.65	-3.13	37.52	74.00	-36.48	peak	100		P	
8	2500.000	29.05	-3.13	25.92	54.00	-28.08	AVG	100		P	

4.4 Emissions 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 C63.10-2013 section 6.5		
Procedure:	ANSI C63.10-2013 section 6.5		

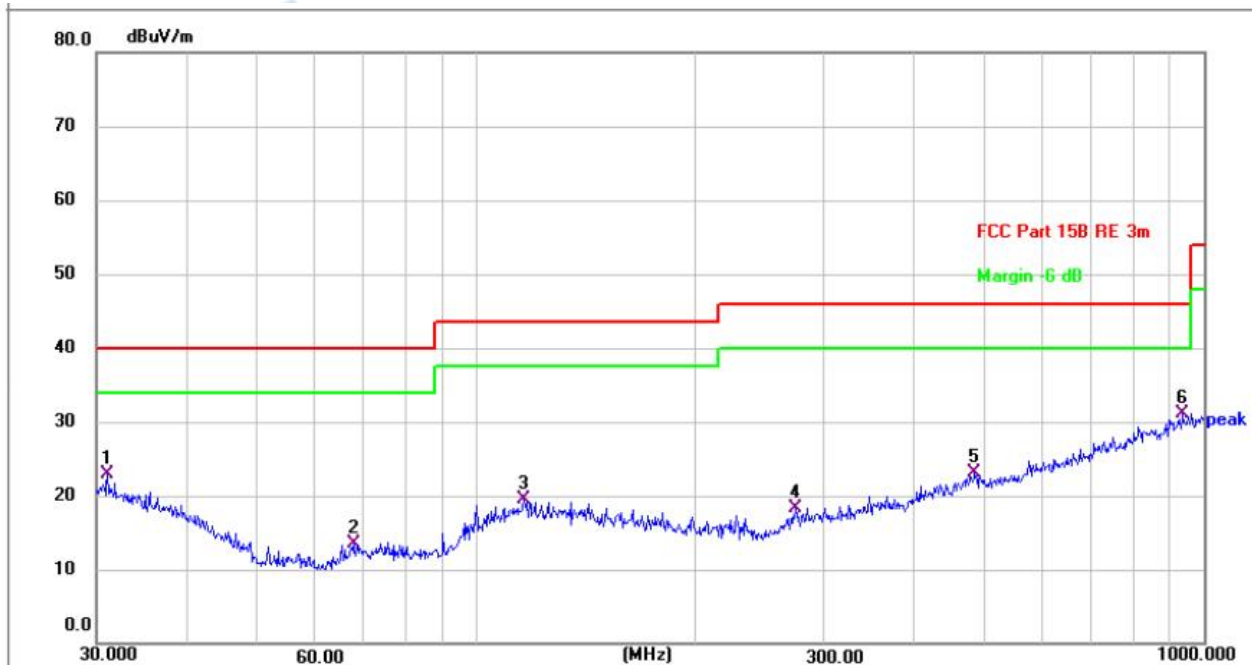
4.4.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
Pretest mode:	TM1				

Final test mode: TM1

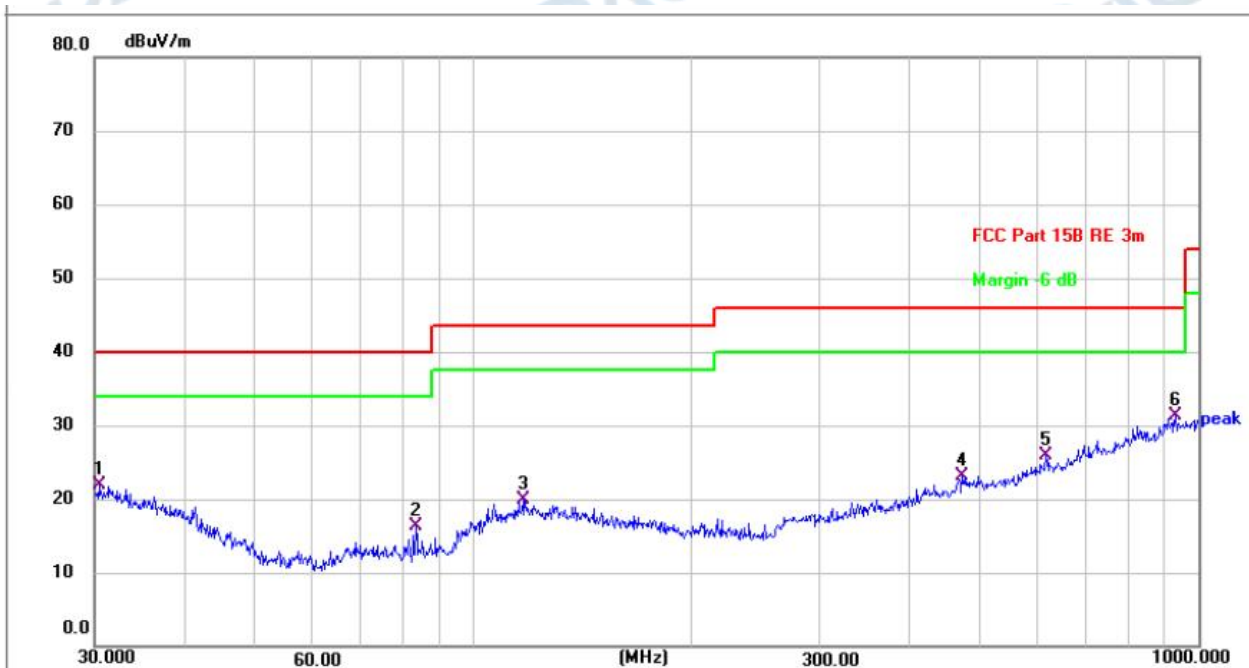
4.4.2 Test Data:

TM1 / Polarization: Horizontal



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	31.0706	25.43	-2.57	22.86	40.00	-17.14	QP	100		P	
2	67.9129	26.81	-13.22	13.59	40.00	-26.41	QP	100		P	
3	116.1321	26.54	-6.96	19.58	43.50	-23.92	QP	100		P	
4	274.1939	26.68	-8.29	18.39	46.00	-27.61	QP	100		P	
5	483.9094	26.24	-3.04	23.20	46.00	-22.80	QP	100		P	
6 *	935.5463	26.82	4.38	31.20	46.00	-14.80	QP	100		P	

TM1 / Polarization: Vertical



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	30.4238	25.96	-4.15	21.81	40.00	-18.19	QP	100		P	
2	83.2298	29.32	-12.92	16.40	40.00	-23.60	QP	100		P	
3	116.9495	26.75	-6.76	19.99	43.50	-23.51	QP	100		P	
4	472.1760	26.66	-3.49	23.17	46.00	-22.83	QP	100		P	
5	616.3718	27.35	-1.36	25.99	46.00	-20.01	QP	100		P	
6 *	929.0082	26.95	4.31	31.26	46.00	-14.74	QP	100		P	

4.5 Emissions in frequency bands (above 1GHz)

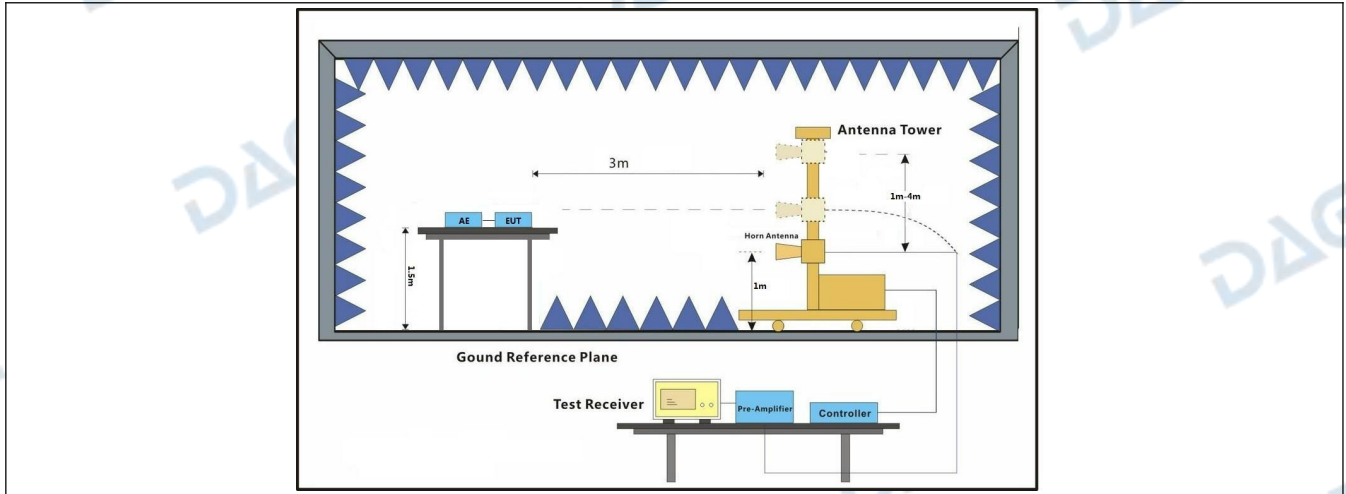
Test Requirement:	47 CFR 15.249(a) 47 CFR 15.249(d) 47 CFR 15.249(e)		
Test Limit:	Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:		
	Fundamental frequency	Field strength 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	
<p>** 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.</p> <p>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.</p> <p>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.</p>			
Test Method:	ANSI C63.10-2013 section 6.6		
Procedure:	ANSI C63.10-2013 section 6.6		

4.5.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
Pretest mode:	TM1				

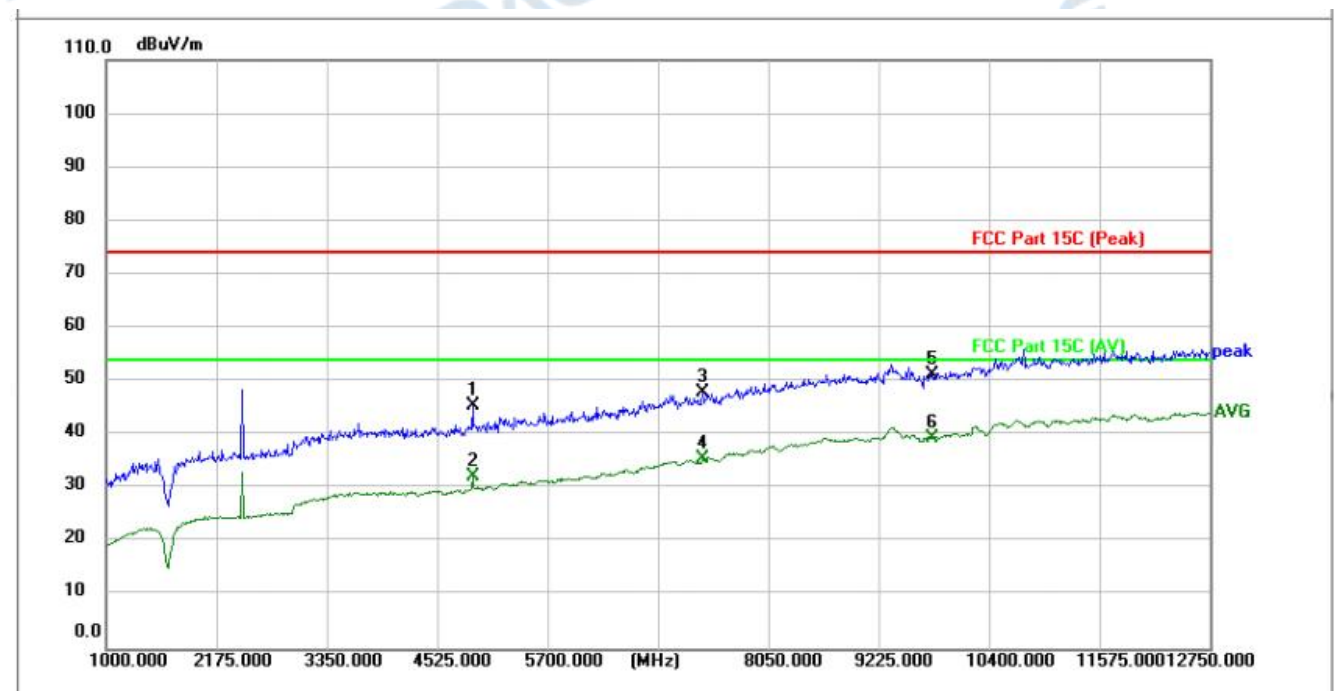
Final test mode: TM1

4.5.2 Test Setup Diagram:



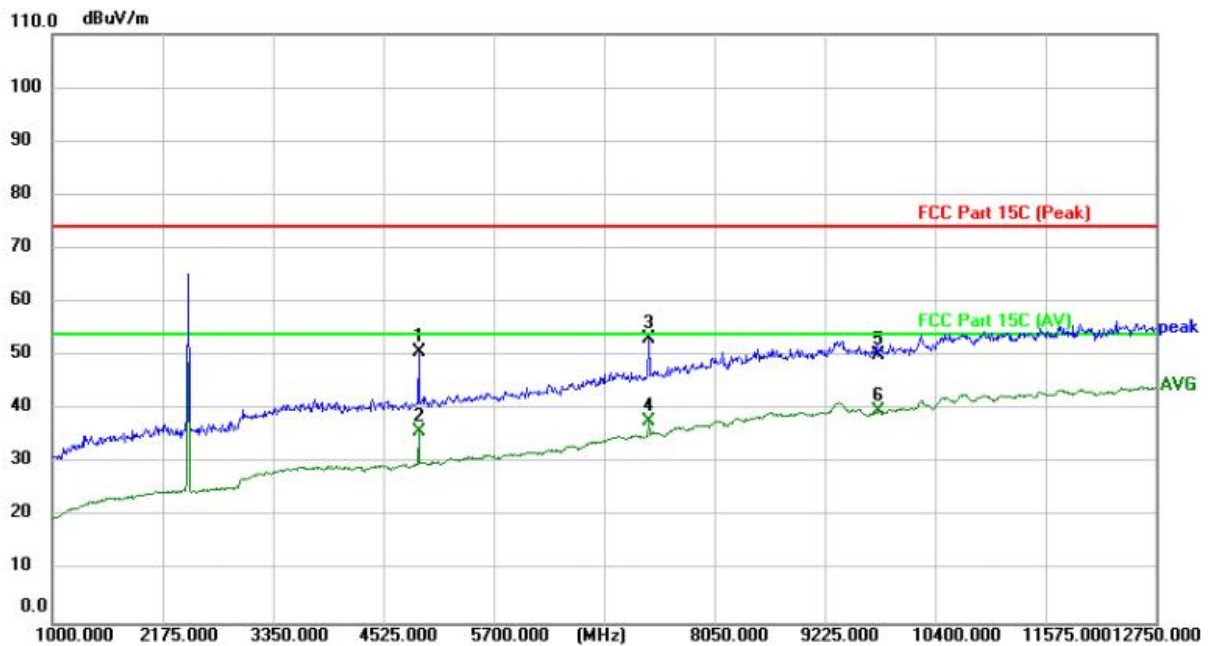
4.5.3 Test Data:

TM1 / Polarization: Horizontal



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	4901.000	41.97	3.63	45.60	74.00	-28.40	peak	149		P	
2	4901.000	28.75	3.63	32.38	54.00	-21.62	AVG	149		P	
3	7350.000	37.32	10.63	47.95	74.00	-26.05	peak	149		P	
4	7350.000	24.90	10.63	35.53	54.00	-18.47	AVG	149		P	
5	9800.000	36.21	15.09	51.30	74.00	-22.70	peak	149		P	
6 *	9800.000	24.38	15.09	39.47	54.00	-14.53	AVG	149		P	

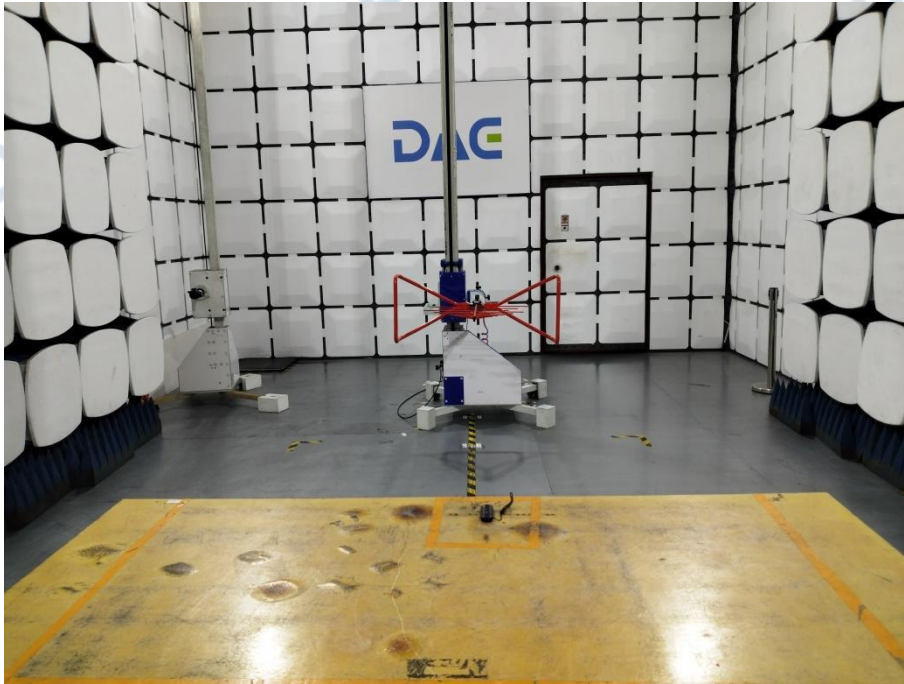
TM1 / Polarization: Vertical



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	4901.000	46.99	3.63	50.62	74.00	-23.38	peak	149		P	
2	4901.000	32.37	3.63	36.00	54.00	-18.00	AVG	149		P	
3	7356.750	42.64	10.63	53.27	74.00	-20.73	peak	149		P	
4	7356.750	27.23	10.63	37.86	54.00	-16.14	AVG	149		P	
5	9800.000	35.21	15.09	50.30	74.00	-23.70	peak	149		P	
6 *	9800.000	24.59	15.09	39.68	54.00	-14.32	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





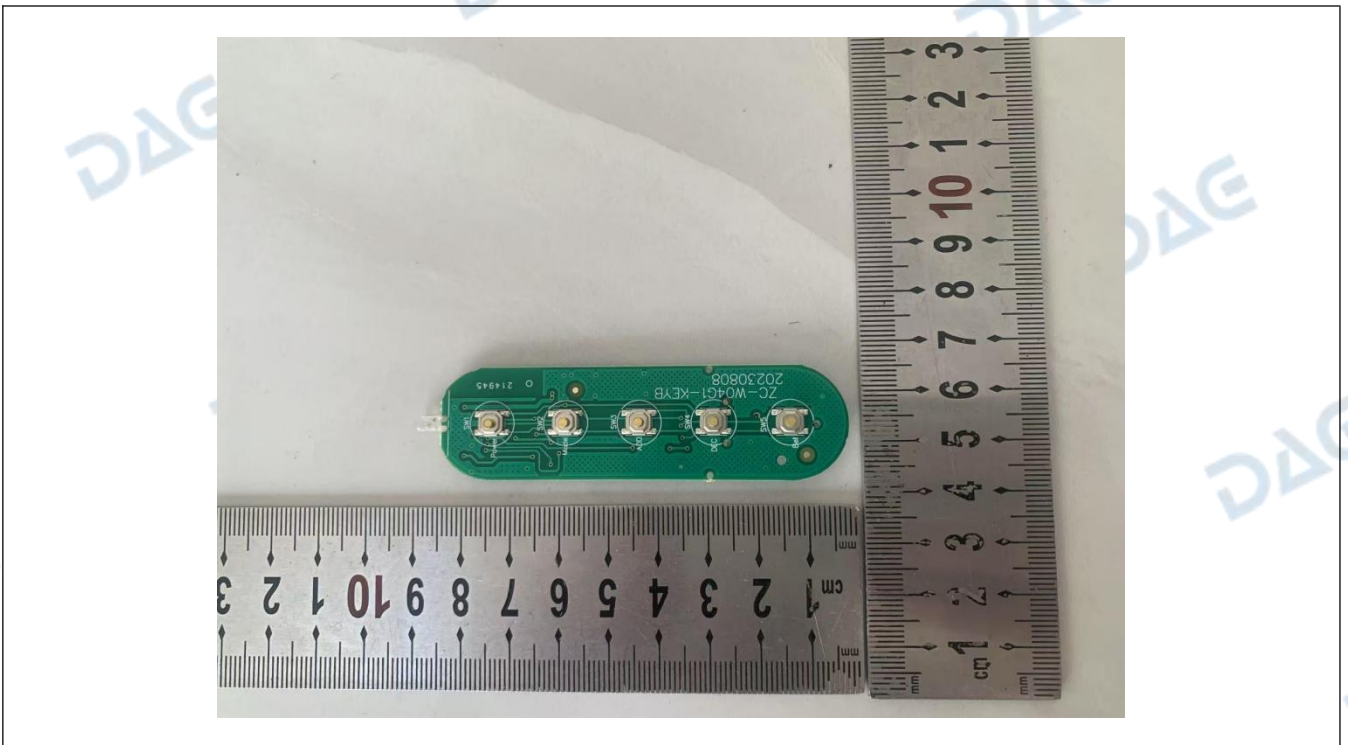


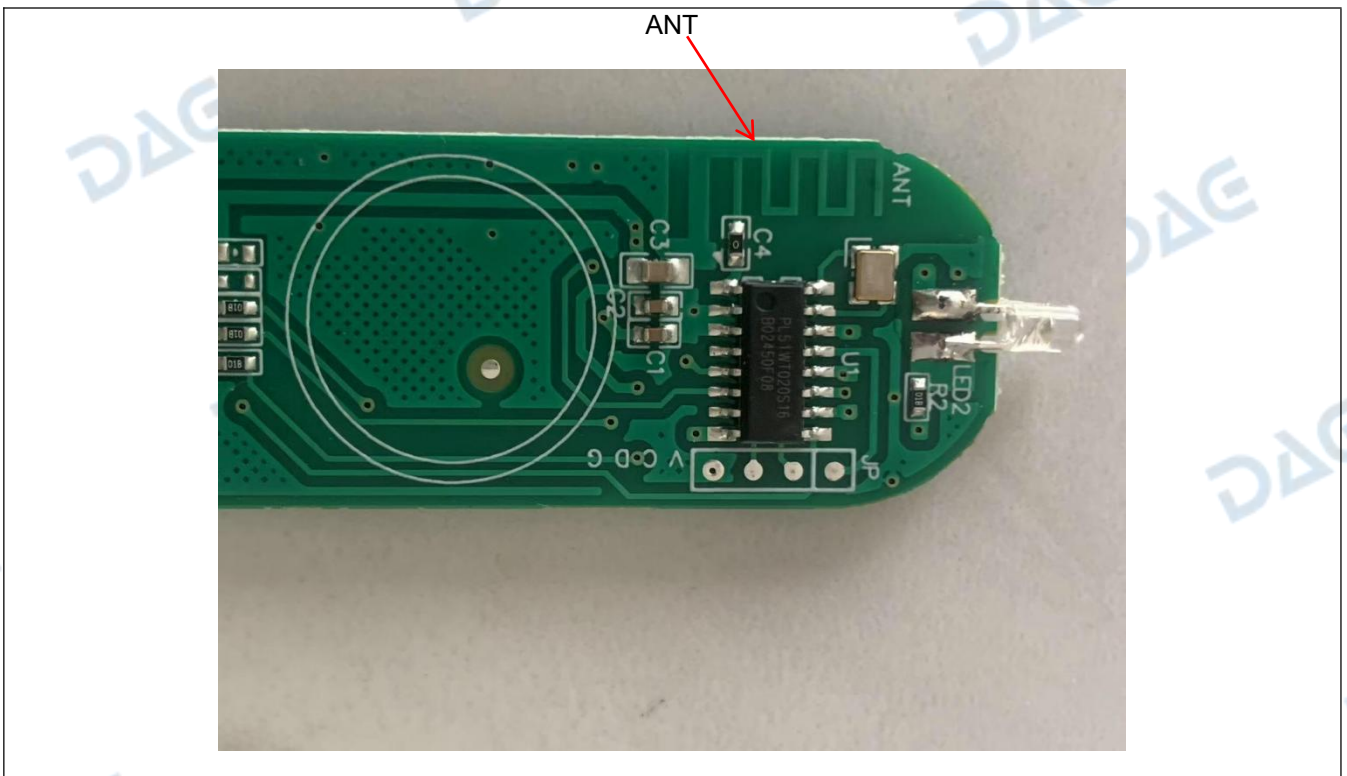
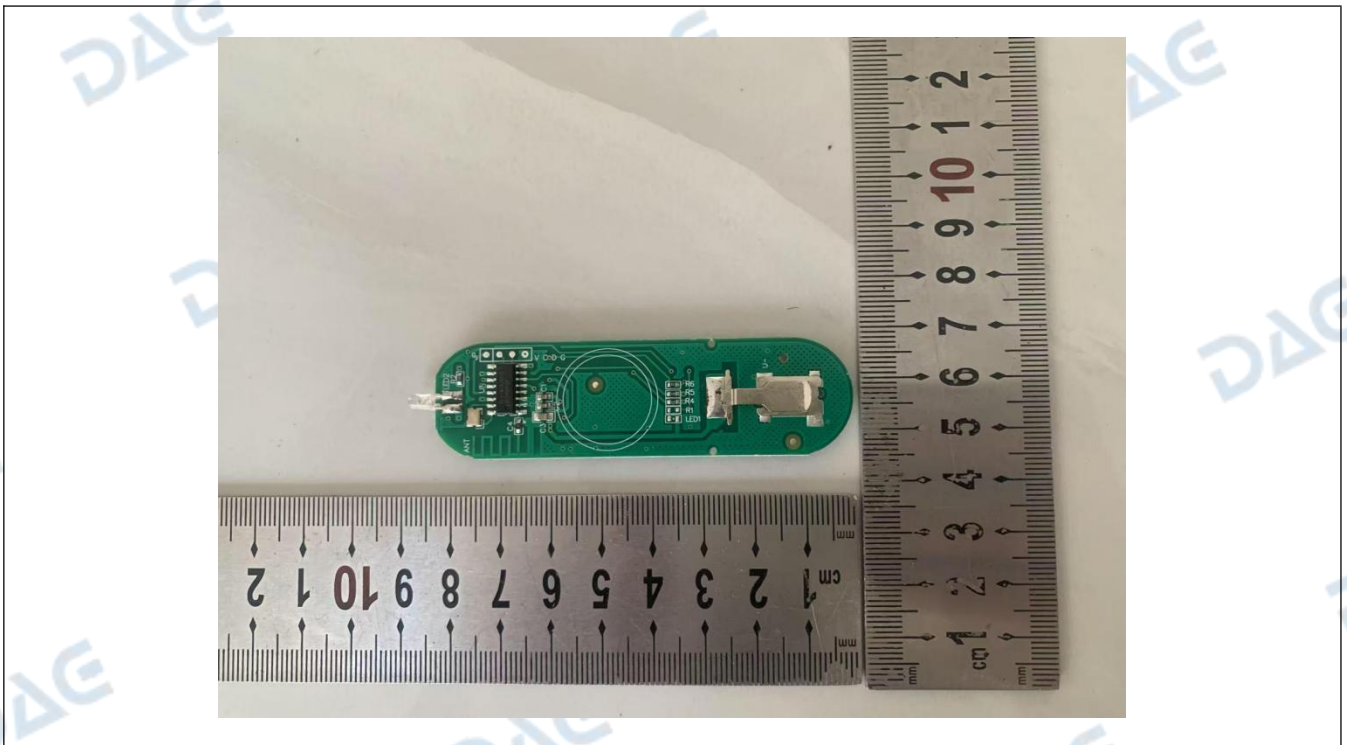




Internal







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