RF TEST REPORT

For

TennRich International Corp.

Product Name: POWER BANK

Test Model(s).: QM10002PQ

Report Reference No.	:	**DACE240221001RF001**
FCC ID	:	**2AU4P-QM10002PQ**
Applicant's Name	:	TennRich International Corp.
Address	:	1-3, Alley 5, Lane 305, Sec 1, Shin Nan Road, Lu Chu District, Taoyuan City, Taiwan 338
Testing Laboratory	:	Shenzhen DACE Testing Technology Co., Ltd.
Address	:	101-102 Building H5 & 1/F., Building H, Hongfa Science & Technology Park, Tangtou, Shiyan, Bao'an District, Shenzhen, Guangdong, China
Test Specification Standard	:	**47 CFR Part 15C**
Date of Receipt	:	June 20, 2024
Date of Test	:	June 20, 2024 to July 16, 2024
Data of Issue	:	July 16, 2024
Result	:	**Pass**

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Revision History Of Report

Version	Description	REPORT No.	Issue Date
V1.0	Original	POCE240221001RF001	July 16, 2024

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:	Supervised by:	Approved by:
Keren Huang	Stone Yin	Tom Chen
Keren Huang / Test Engineer	Stone Yin / Project Engineer	Tom Chen / Manager

CONTENTS

1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

47 CFR Part 15.209: Radiated emission limits; general requirements

1.2 Summary of Test Result

Item	Method	Requirement	Result
Antenna requirement	/	47 CFR Part 15.203	Pass
Conducted Emission at AC power line	ANSI C63.10-2013 section 6.2	47 CFR Part 15.207(a)	Pass
20dB Occupied Bandwidth	ANSI C63.10-2013, section 6.9.2	47 CFR Part 15.215(c)	Pass
Emissions in frequency bands (below 30MHz)	ANSI C63.10-2013 section 6.4	47 CFR Part 15.209	Pass
Emissions in frequency bands (30MHz - 1GHz)	ANSI C63.10-2013 section 6.5	47 CFR Part 15.209	Pass

Note: 1.N/A -this device(EUT) is not applicable to this testing item
2. RF-conducted test results including cable loss.

2 GENERAL INFORMATION

2.1 Client Information

Applicant's Name	:	TennRich International Corp.
Address	:	1-3, Alley 5, Lane 305, Sec 1, Shin Nan Road, Lu Chu District, Taoyuan City, Taiwan 338
Manufacturer	:	Shenzhen Blue Times Technology Co.,Ltd
Address	:	B Block, Taixinglong Tech. Zone, Hezhou, Xixiang Town, Baoan District, Shenzhen, Guangdong Province, China 518126

2.2 Description of Device (EUT)

Product Name:	POWER BANK
Sample No.:	Q240126002-1
Model/Type reference:	QM10002PQ
Trade Mark:	Energizer
Product Description:	POWER BANK
Power Supply:	Battery(10000mAh/38.5Wh), charging by USB-C PD 5V-3A, 9V-2A
Operation range:	122KHz --158KHz
Number of Channels:	N/A
Modulation Type:	MSK
Antenna Type:	Inductive loop coil Antenna
Antenna Gain:	0dBi
Hardware Version:	V1.0
Software Version:	/

2.3 Description of Test Modes

No	Description
TM1	AC/DC Adapter (9V/2A)+EUT +Mobile Phone(Battery Status:<1%)
TM2	AC/DC Adapter (9V/2A)+EUT +Mobile Phone(Battery Status:<50%)
TM3	AC/DC Adapter (9V/2A)+EUT +Mobile Phone(Battery Status:<100%)
TM4	AC/DC Adapter (5V/3A)+EUT +Mobile Phone(Battery Status:<1%)
TM5	AC/DC Adapter (5V/3A)+EUT +Mobile Phone(Battery Status:<50%)
TM6	AC/DC Adapter (5V/3A)+EUT +Mobile Phone(Battery Status:<100%)
TM7	EUT + Load Wireless (Battery Status:<1%)
TM8	EUT + Load Wireless (Battery Status:<50%)
TM9	EUT + Load Wireless (Battery Status:<100%)
Remark: All test modes(TM1 toTM9) were pre-tested, but we only recorded the worst case(TM1&TM7) in this report. In TM1 – TM6 mode, the maximum wireless charging output power is 5W. TM7/TM8/TM9 the maximum wireless charging output power is 15W.	

Wireless ouput	Frequency (KHz)
15W	126.9
10W	158.0
7.5W	127.7
5.0W	122.0
0W	128.5

2.4 Description of Support Units

Title	Manufacturer	Model No.	Serial No.
AC-DC adapter	HUAWEI	P0005	/
USB Cable	POCE	USB01	/
Wireless Charging Load Module	Hanwei	/	Wireless Intput Power:5W/7.5W/10W/15W

2.5 Equipments Used During The Test

Conducted Emission at AC power line					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Cable	SCHWARZ BECK	/	/	2024-03-20	2025-03-19
Pulse Limiter	SCHWARZ BECK	VTSD 9561-F 10dB Ateennator	561-G071	2023-12-12	2024-12-11
50ΩCoaxial Switch	Anritsu	MP59B	M20531	/	/
Test Receiver	Rohde & Schwarz	ESPI TEST RECEIVER	1164.6607K03 -102109-MH	2024-06-12	2025-06-11
L.I.S.N	R&S	ESH3-Z5	831.5518.52	2023-12-12	2024-12-11
EMI test software	EZ -EMC	EZ	V1.1.42	/	/

Emissions in frequency bands (above 1GHz) Band edge emissions (Radiated) Emissions in frequency bands (below 1GHz)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
EMI Test software	Farad	EZ -EMC	V1.1.42	/	/
Positioning Controller	/	MF-7802	/	/	/
Loop antenna	ZHINAN	ZN30900C	ZN30900C	2024-6-14	2026-6-13
Cable(LF)#2	Schwarzbeck	/	/	2024-02-19	2025-02-18
Cable(LF)#1	Schwarzbeck	/	/	2024-02-19	2025-02-18
Cable(HF)#2	Schwarzbeck	AK9515E	96250	2024-03-20	2025-03-19
Cable(HF)#1	Schwarzbeck	SYV-50-3-1	/	2024-03-20	2025-03-19
Power amplifier(LF)	Schwarzbeck	BBV9743	9743-151	2024-06-12	2025-06-11
Power amplifier(HF)	Schwarzbeck	BBV9718	9718-282	2024-06-12	2025-06-11
Spectrum Analyzer	R&S	FSP30	1321.3008K40 -101729-jR	2024-06-12	2025-06-11
Horn Antenna	Sunol Sciences	DRH-118	A091114	2023-05-13	2025-05-12
Broadband Antenna	Sunol Sciences	JB6 Antenna	A090414	2023-05-21	2025-05-20
Test Receiver	R&S	ESCI	102109	2024-06-12	2025-06-11
Vector signal generator	Keysight	N5181A	MY48180415	2023-11-09	2024-11-08
Signal generator	Keysight	N5182A	MY50143455	2023-11-09	2024-11-08
Spectrum Analyzer	Keysight	N9020A	MY53420323	2023-12-12	2024-12-11
RF Test Software	Tachoy Information	RTS-01	V2.0.0.0	/	/
RF Sensor Unit	Tachoy Information	TR1029-2	000001	/	/

2.6 Statement Of The Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Disturbance (0.15~30MHz)	±3.41dB
Occupied Bandwidth	±3.63%
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 Authorizations

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	101-102 Building H5 & 1/F., Building H, Hongfa Science & Technology Park, Tangtou, Shiyan, 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:	101-102 Building H5 & 1/F., Building H, Hongfa Science & Technology Park, Tangtou, Shiyan, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252
FCC Registration Number:	0032847402
Designation Number:	CN1342
Test Firm Registration No.:	778666
A2LA Certificate Number:	6270.01

2.8 Announcement

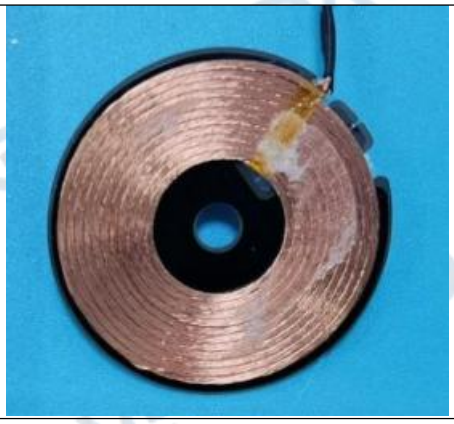
(1) The test report reference to the report template version v0.
(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
(3) The test report is invalid if there is any evidence and/or falsification.
(4) This document 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) We hereby declare that the laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant. the laboratory is not responsible for the accuracy of the information provided by the client. When the information provided by the customer may affect the effectiveness of the results, the responsibility lies with the customer, and the laboratory does not assume any responsibility.

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)

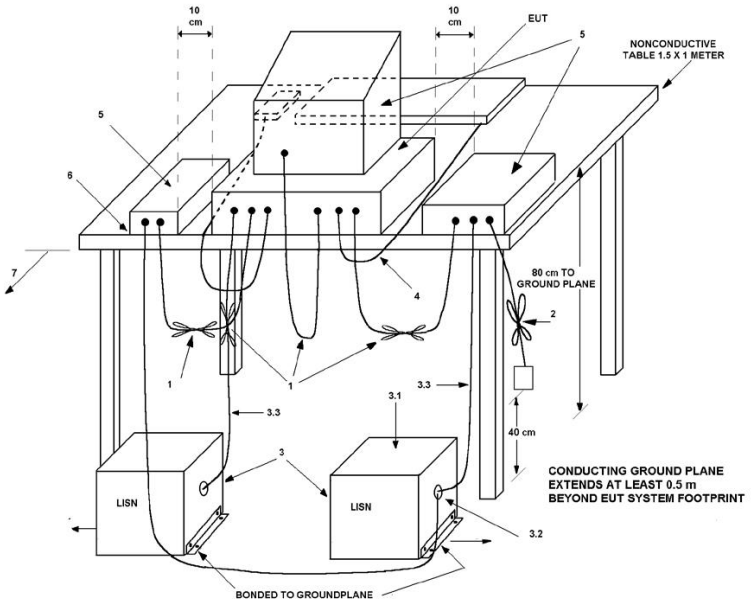
4.1 Conducted Emission at AC power line

Test Requirement:	Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN).
Test Limit:	Frequency of emission (MHz) / Conducted limit (dBμV): Quasi-peak / Average 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 5-30: 60 / 50 *Decreases with the logarithm of the frequency.
Test Method:	ANSI C63.10-2013 section 6.2
Procedure:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.1.1 E.U.T. Operation:

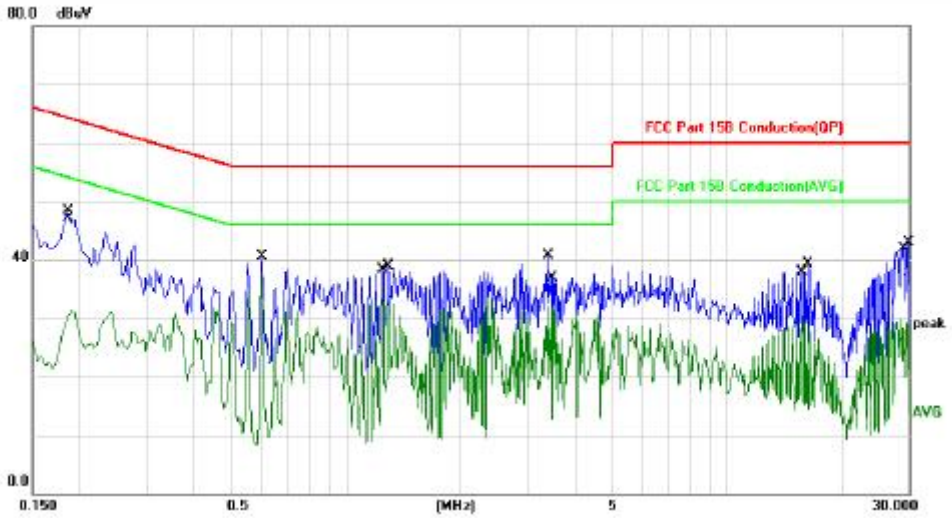
Operating Environment:					
Temperature:	22.3 °C	Humidity:	46.7 %	Atmospheric Pressure:	102 kPa
Pre test mode:	TM1, TM2, TM3, TM4, TM5, TM6				
Final test mode:	TM1				

4.1.2 Test Setup Diagram:



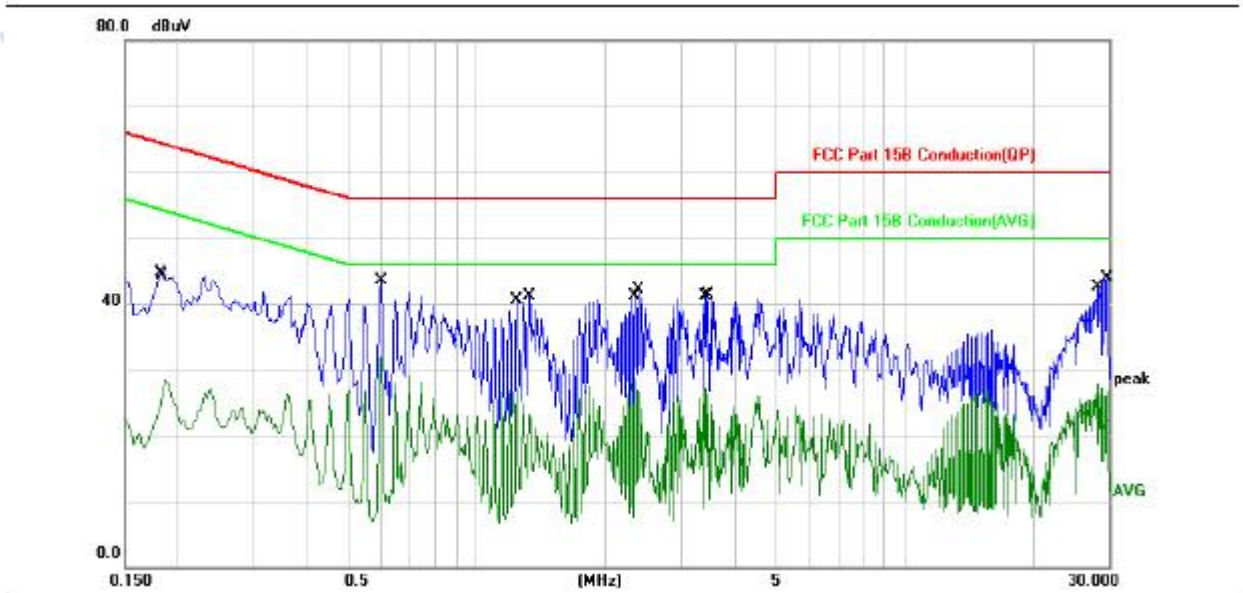
4.1.3 Test Data:

TM1 / Line: Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1853	38.24	10.03	48.27	64.24	-15.97	QP	
2		0.1894	21.45	10.03	31.48	54.06	-22.58	AVG	
3		0.6010	30.48	9.98	40.46	56.00	-15.54	QP	
4	*	0.6010	27.71	9.98	37.69	46.00	-8.31	AVG	
5		1.2421	23.34	9.92	33.26	46.00	-12.74	AVG	
6		1.2891	28.91	9.92	38.83	56.00	-17.17	QP	
7		3.3993	30.75	10.05	40.80	56.00	-15.20	QP	
8		3.4538	21.78	10.05	31.83	46.00	-14.17	AVG	
9		15.7179	19.85	10.46	30.31	50.00	-19.69	AVG	
10		16.2256	28.82	10.46	39.28	60.00	-20.72	QP	
11		28.6030	19.41	10.59	30.00	50.00	-20.00	AVG	
12		29.8414	32.26	10.59	42.85	60.00	-17.15	QP	

TM1 / Line: Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1819	34.77	10.03	44.80	64.39	-19.59	QP	
2		0.1860	18.35	10.03	28.38	54.21	-25.83	AVG	
3	*	0.5980	33.44	9.98	43.42	56.00	-12.58	QP	
4		0.5980	21.98	9.98	31.96	46.00	-14.04	AVG	
5		1.2380	17.22	9.92	27.14	46.00	-18.86	AVG	
6		1.3300	31.21	9.92	41.13	56.00	-14.87	QP	
7		2.3340	18.47	10.00	28.47	46.00	-17.53	AVG	
8		2.3860	32.02	10.00	42.02	56.00	-13.98	QP	
9		3.4340	17.01	10.05	27.06	46.00	-18.94	AVG	
10		3.4780	31.23	10.05	41.28	56.00	-14.72	QP	
11		28.4460	17.13	10.58	27.71	50.00	-22.29	AVG	
12		29.7780	33.28	10.59	43.87	60.00	-16.13	QP	

NOTE:
1.An initial pre-scan was performed on the line and neutral lines with peak detector.
2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3.Mesurement Level = Reading level + Correct Factor, Over=Limit- Mesurement
4. The test results only show the worst mode or worst channel.

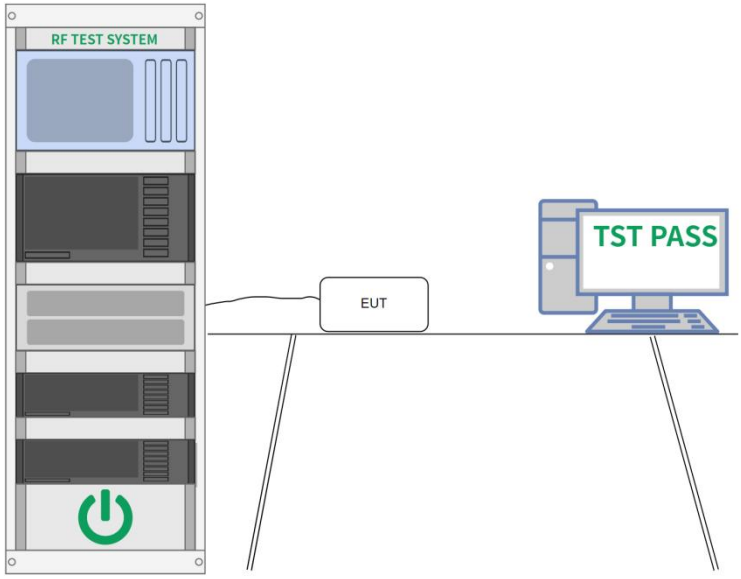
4.2 20dB Occupied Bandwidth

Test Requirement:	47 CFR Part 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:	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. 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. 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. d) Steps a) through c) might require iteration to adjust within the specified tolerances. 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. f) Set detection mode to peak and trace mode to max hold. 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). h) Determine the “−xx dB down amplitude” using [(reference value) − xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument. 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). 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. 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).

4.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.3 °C	Humidity:	46.7 %	Atmospheric Pressure:	102 kPa
Pre test mode:	TM7				
Final test mode:	TM7				

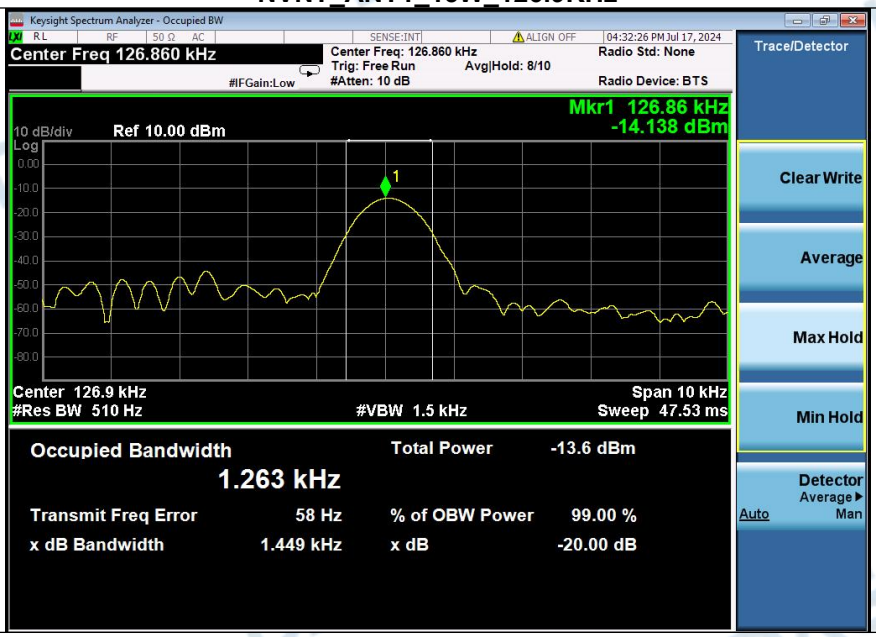
4.2.2 Test Setup Diagram:



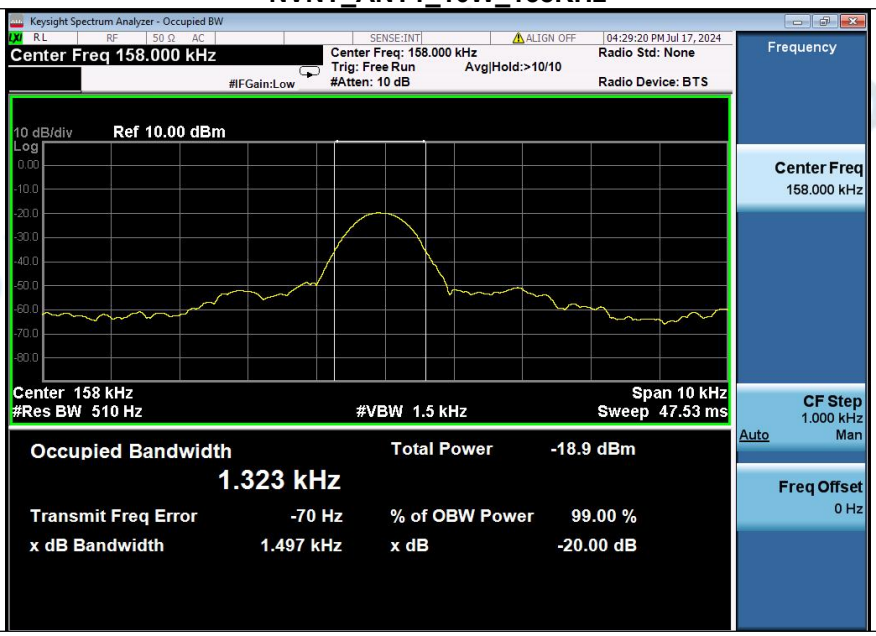
4.2.3 Test Data:

Condition	Antenna	Modulation	Frequency (KHz)	-20dB BW(kHz)
NVNT	ANT1	MSK	126.9(15W)	1.449
NVNT	ANT1	MSK	158.0(10W)	1.497
NVNT	ANT1	MSK	127.7(7.5W)	1.459
NVNT	ANT1	MSK	122.0(5.0W)	2.102
NVNT	ANT1	MSK	128.5(0W)	1.445

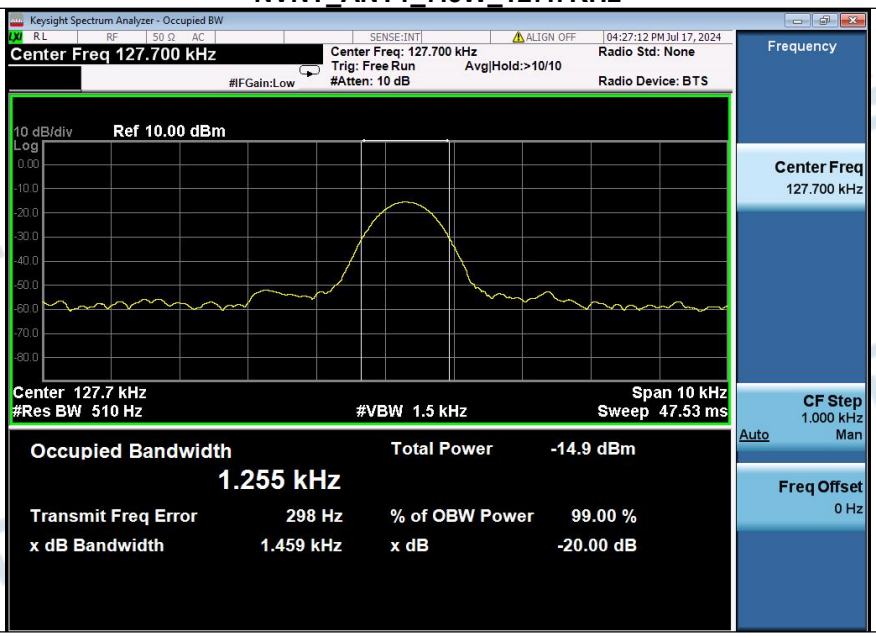
NVNT_ANT1_15W_126.9KHz



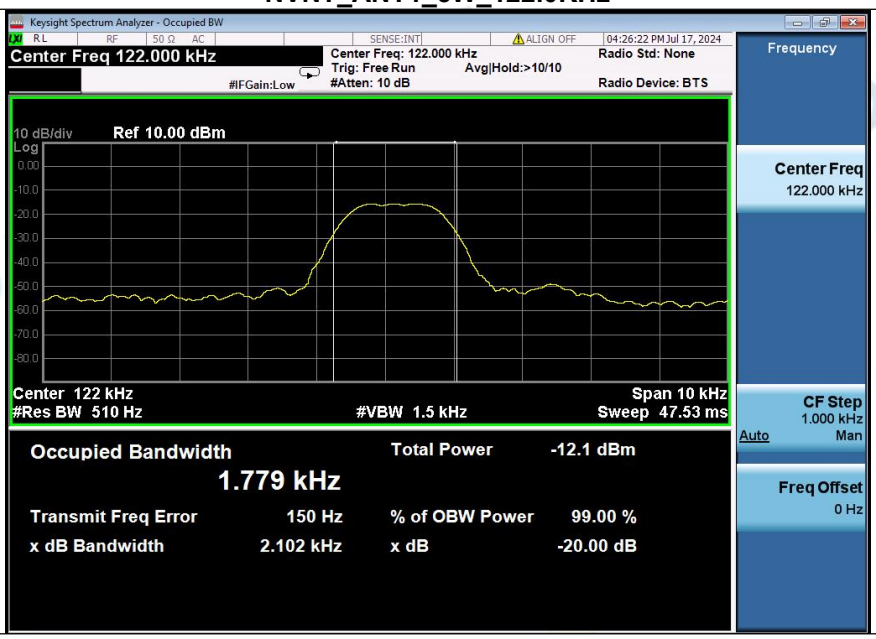
NVNT_ANT1_10W_158KHz



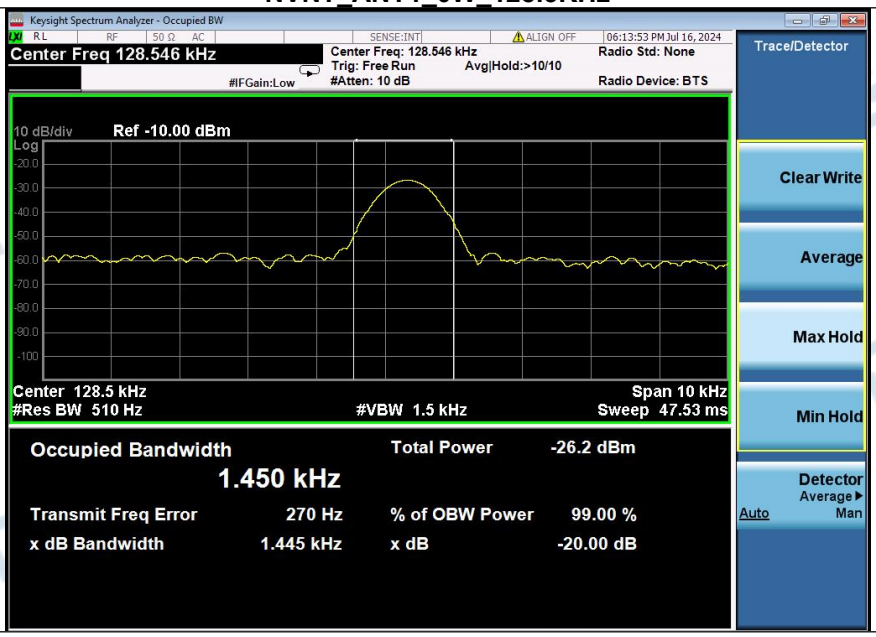
NVNT_ANT1_7.5W_127.7KHz



NVNT_ANT1_5W_122.0KHz



NVNT_ANT1_0W_128.5KHz



4.3 Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209
Test Limit:	See table below

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

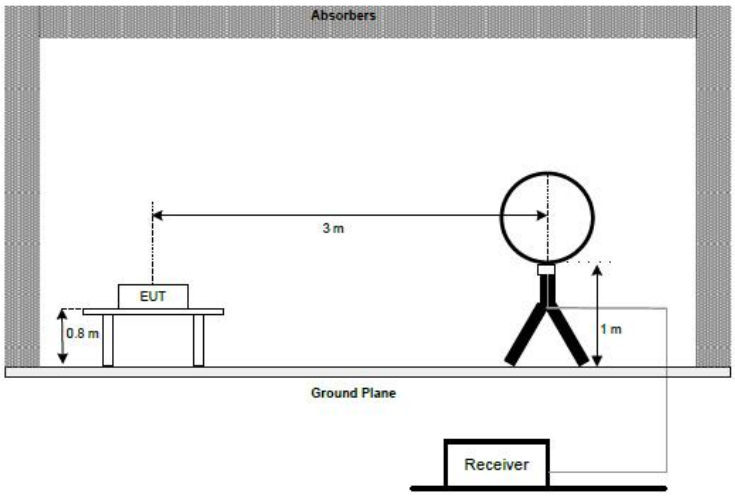
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this 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 6.4
Procedure:	ANSI C63.10-2013 section 6.4

4.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.3 °C	Humidity:	46.7 %	Atmospheric Pressure:	102 kPa
Pre test mode:	TM1, TM2, TM3, TM4, TM5, TM6, TM7, TM8, TM9				
Final test mode:	TM1, TM7				

4.3.2 Test Setup Diagram:

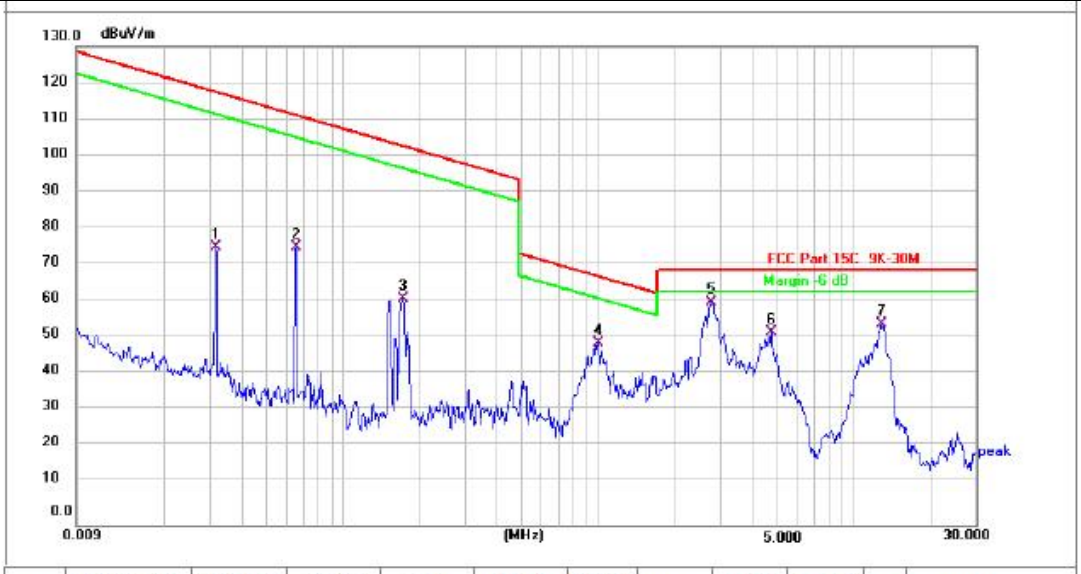


4.3.3 Test Data:

TM1(portable mode)	9KHz – 30MHz

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	0.1514	46.03	19.65	65.68	104.00	-38.32	QP	99		P	
2	0.4909	9.69	21.13	30.82	73.78	-42.96	QP	99		P	
3	1.0188	25.31	21.46	46.77	67.46	-20.69	QP	99		P	
4 *	2.7631	38.18	21.29	59.47	69.54	-10.07	QP	99		P	
5	4.6061	26.83	21.12	47.95	69.54	-21.59	QP	99		P	
6	12.6969	33.39	20.94	54.33	69.54	-15.21	QP	99		P	

TM7(mobile mode)	9KHz – 30MHz



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	0.0316	45.71	29.76	75.47	117.61	-42.14	QP	99		P	
2	0.0651	53.48	22.11	75.59	111.33	-35.74	QP	99		P	
3	0.1710	41.67	19.79	61.46	102.94	-41.48	QP	99		P	
4	0.9943	28.08	21.43	49.51	67.67	-18.16	QP	99		P	
5 *	2.7631	39.47	21.29	60.76	69.54	-8.78	QP	99		P	
6	4.7196	31.44	21.11	52.55	69.54	-16.99	QP	99		P	
7	12.8003	33.69	20.93	54.62	69.54	-14.92	QP	99		P	

Remark: Margin=Level - Limit
Level=Test receiver reading + correction factor
Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

4.4 Emissions in frequency bands (30MHz - 1GHz)

Test Requirement:	47 CFR Part 15.209
Test Limit:	

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

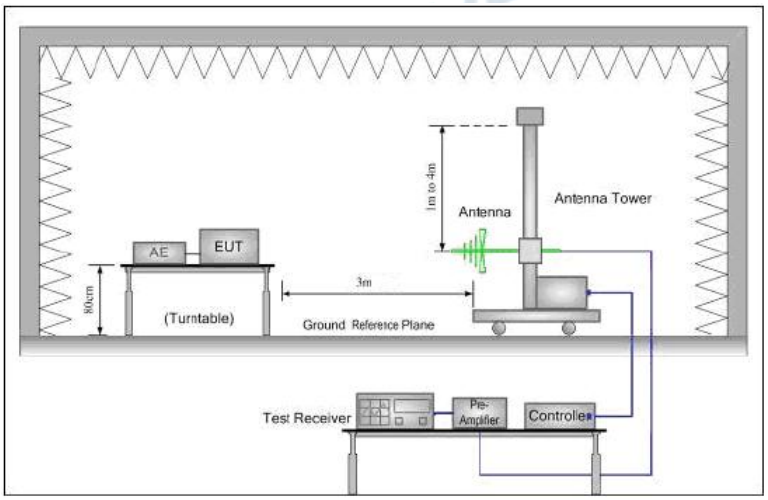
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this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

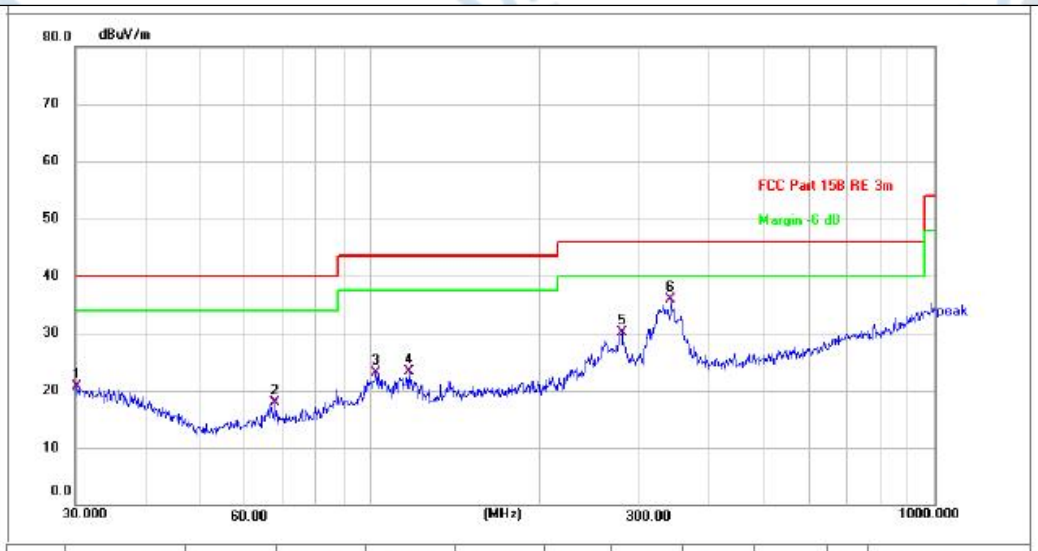
Operating Environment:					
Temperature:	22.3 °C	Humidity:	46.7 %	Atmospheric Pressure:	102 kPa
Pre test mode:	TM1, TM2, TM3, TM4, TM5, TM6, TM7, TM8, TM9				
Final test mode:	TM1, TM7				

4.4.2 Test Setup Diagram:



4.4.3 Test Data:

TM1/ Polarization: Horizontal

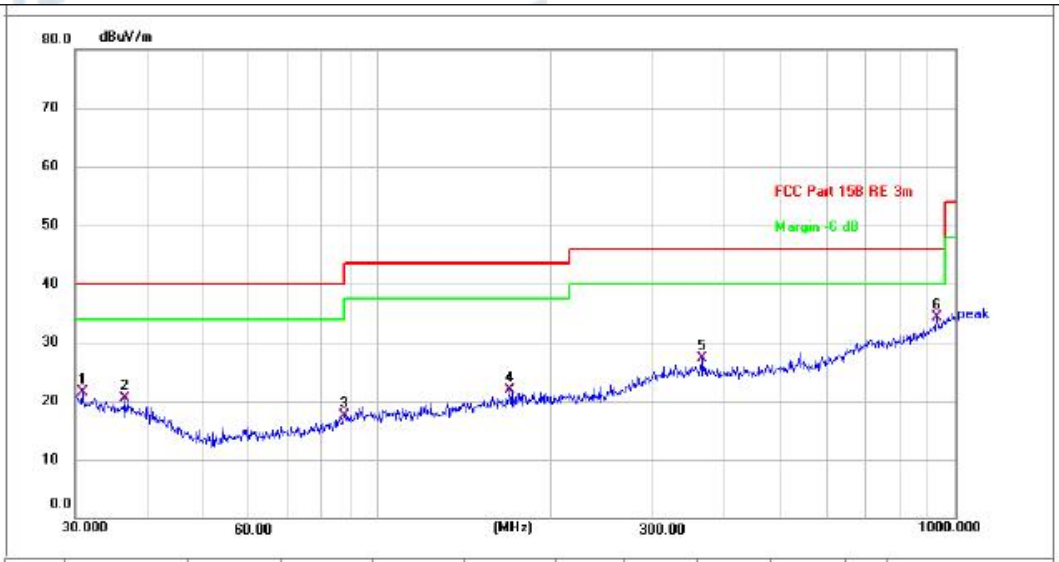


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	30.2111	23.54	-2.92	20.62	40.00	-19.38	QP	100		P	
2	67.9129	26.59	-8.67	17.92	40.00	-22.08	QP	100		P	
3	102.3597	28.62	-5.46	23.16	43.50	-20.34	QP	100		P	
4	116.9495	28.26	-4.97	23.29	43.50	-20.21	QP	100		P	
5	279.0436	30.55	-0.49	30.06	46.00	-15.94	QP	100		P	
6 *	340.7817	34.25	1.57	35.82	46.00	-10.18	QP	100		P	

TM1/ Polarization: Vertical

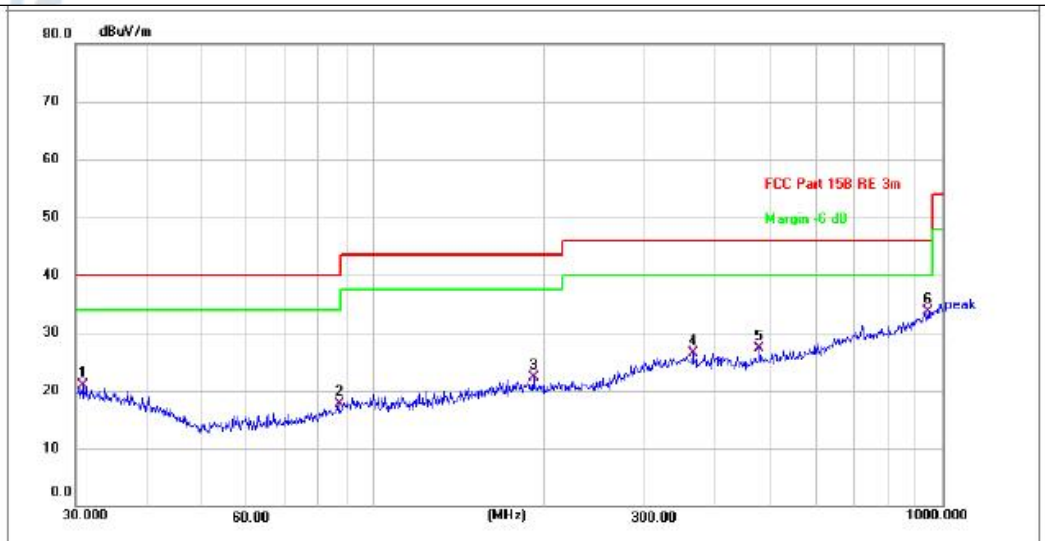
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	61.9951	39.19	-8.93	30.26	40.00	-9.74	QP	100		P	
2	97.4560	37.48	-5.64	31.84	43.50	-11.66	QP	100		P	
3	227.6906	26.93	-2.49	24.44	46.00	-21.56	QP	100		P	
4	354.1831	26.24	0.82	27.06	46.00	-18.94	QP	100		P	
5	726.8052	25.37	5.03	30.40	46.00	-15.60	QP	100		P	
6	955.4381	23.81	9.21	33.02	46.00	-12.98	QP	100		P	

TM7 / 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	30.8535	24.66	-3.09	21.57	40.00	-18.43	QP	100		P	
2	36.5092	25.06	-4.62	20.44	40.00	-19.56	QP	100		P	
3	87.7248	23.95	-6.36	17.59	40.00	-22.41	QP	100		P	
4	169.5990	25.29	-3.33	21.96	43.50	-21.54	QP	100		P	
5	364.2595	25.69	1.65	27.34	46.00	-18.66	QP	100		P	
6 *	929.0082	25.83	8.54	34.37	46.00	-11.63	QP	100		P	

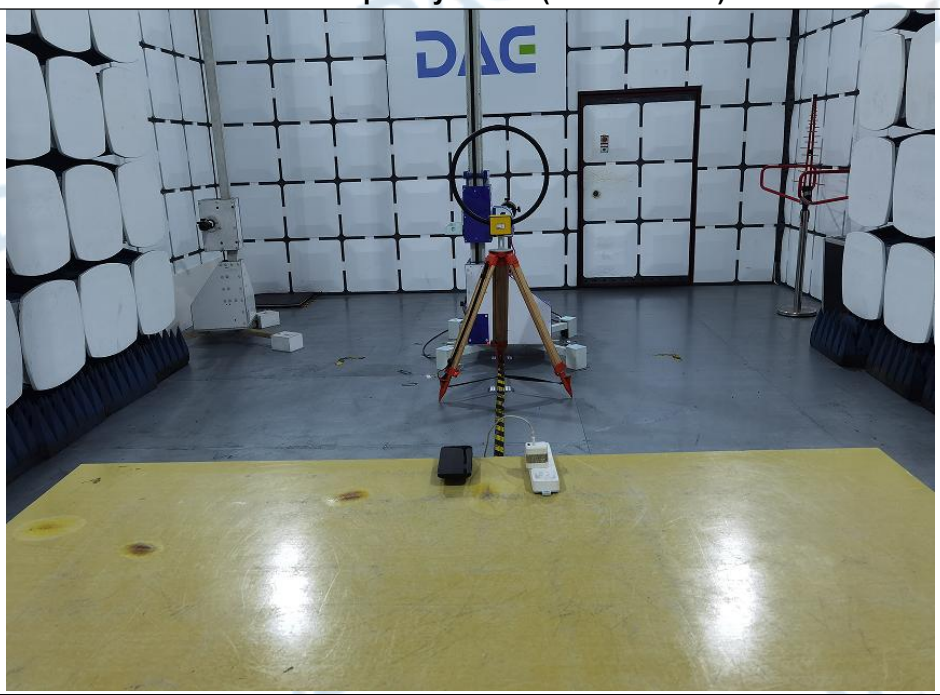
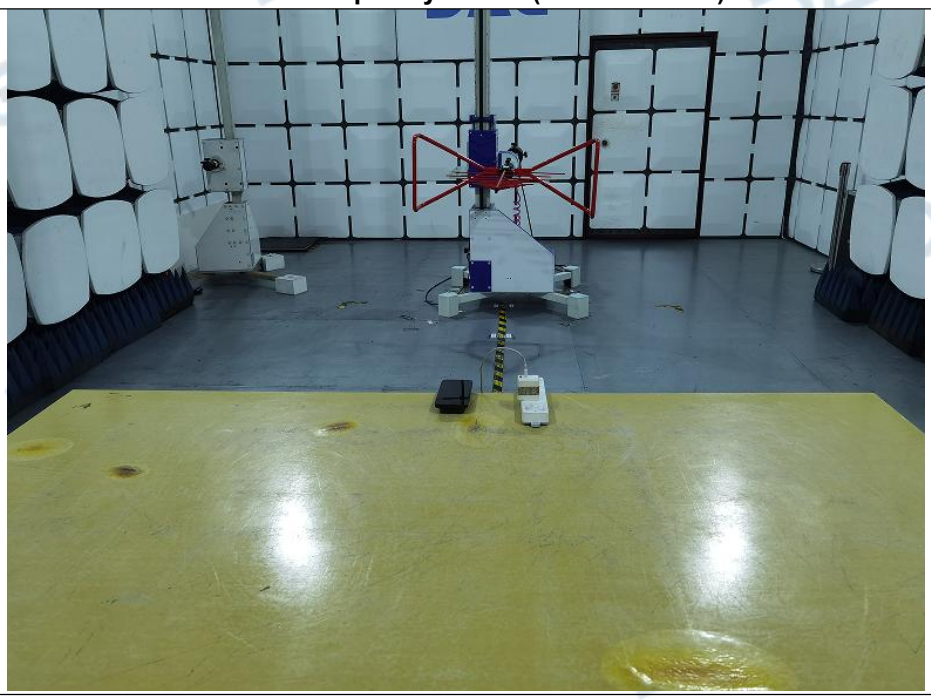
TM7 / Polarization: Vertical

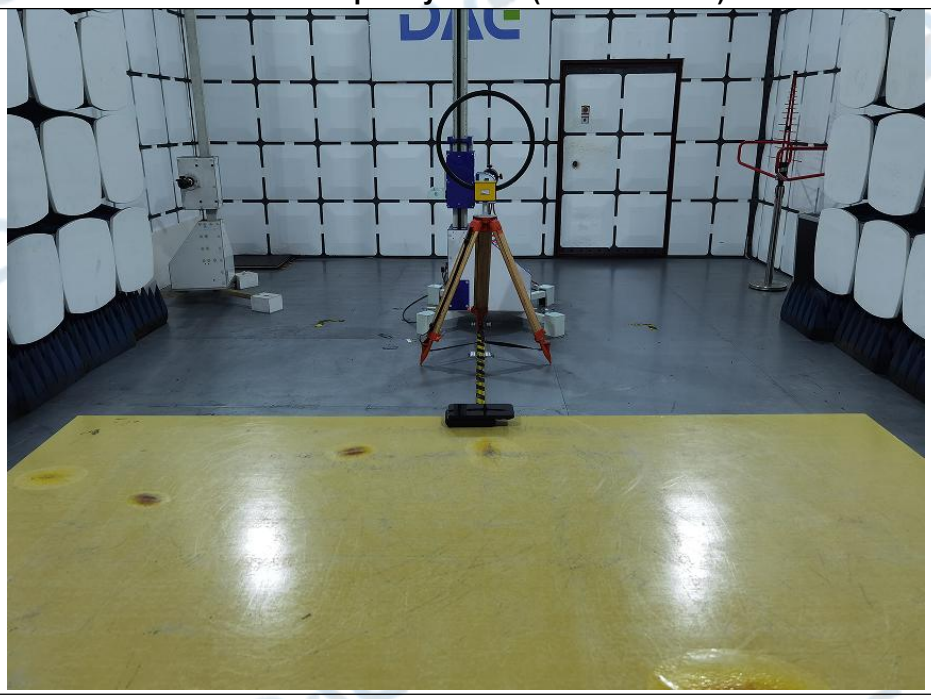


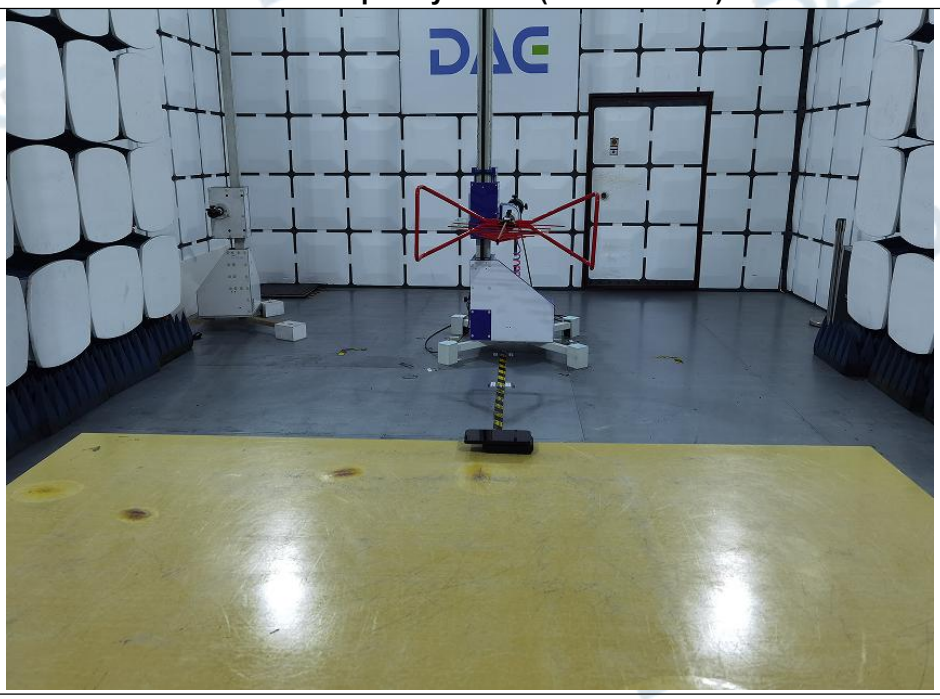
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	30.9619	24.01	-3.12	20.89	40.00	-19.11	QP	100		P	
2	87.1117	24.20	-6.46	17.74	40.00	-22.26	QP	100		P	
3	191.0738	25.28	-3.01	22.27	43.50	-21.23	QP	100		P	
4	364.2595	25.47	0.94	26.41	46.00	-19.59	QP	100		P	
5	477.1694	25.75	1.55	27.30	46.00	-18.70	QP	100		P	
6 *	945.4399	24.83	8.93	33.76	46.00	-12.24	QP	100		P	

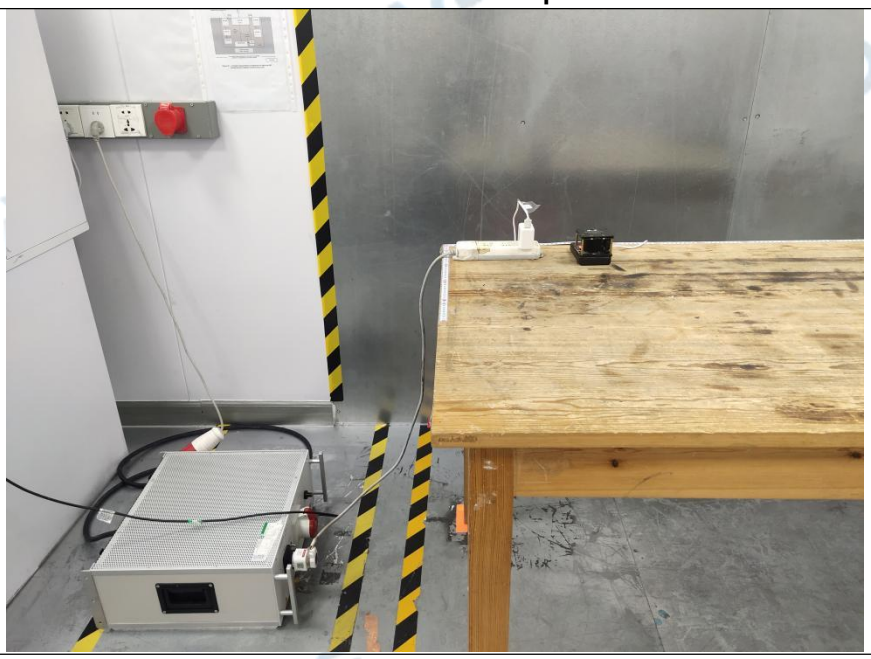
Remark: Margin=Level - Limit
Level=Test receiver reading + correction factor
Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

5 TEST SETUP PHOTOS

Emissions in frequency bands (below 30MHz) -TM1

Emissions in frequency bands (30MHz - 1GHz) -TM1


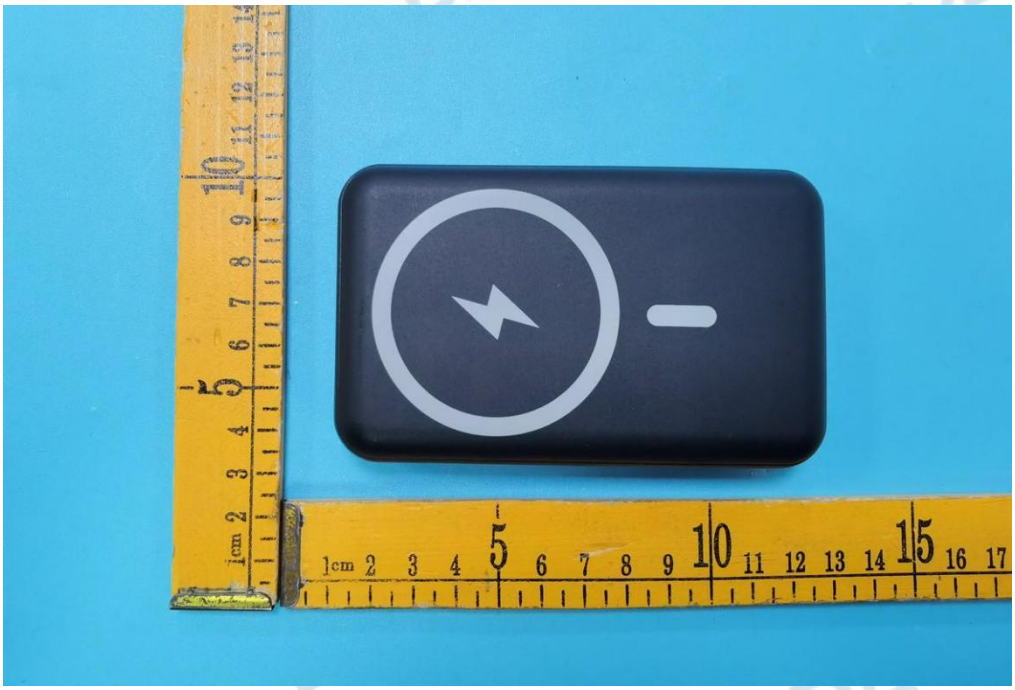
Emissions in frequency bands (30MHz - 1GHz) -TM7


Emissions in frequency bands (below 30MHz) -TM7


Conducted Emission at AC power line


6 PHOTOS OF THE EUT

External



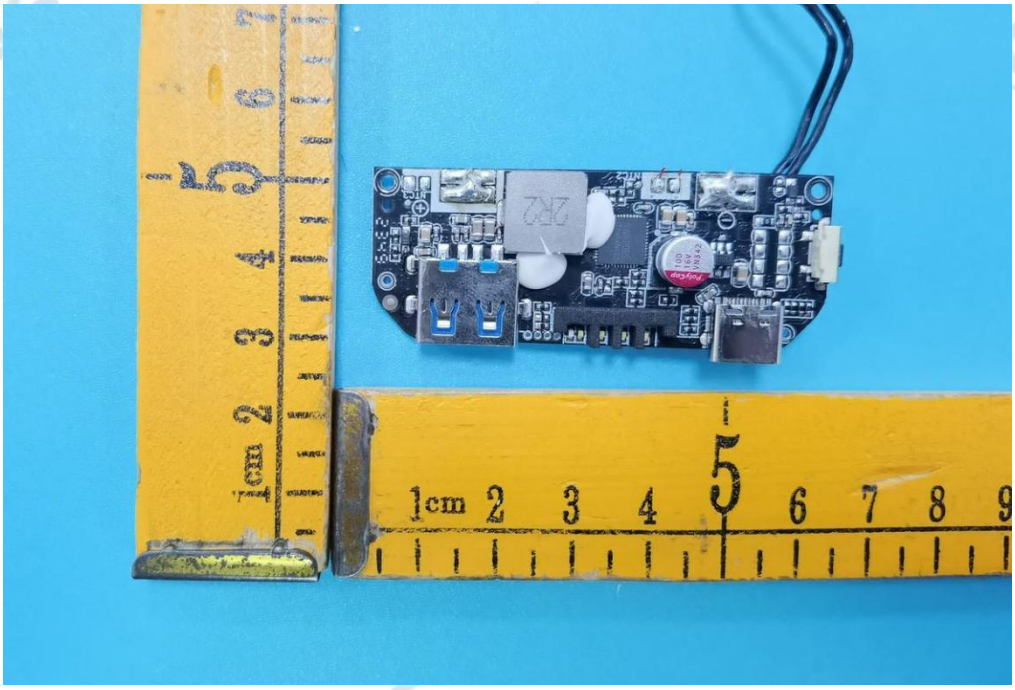

1cm 2 3 4 5 6 7 8 9 10 11 12

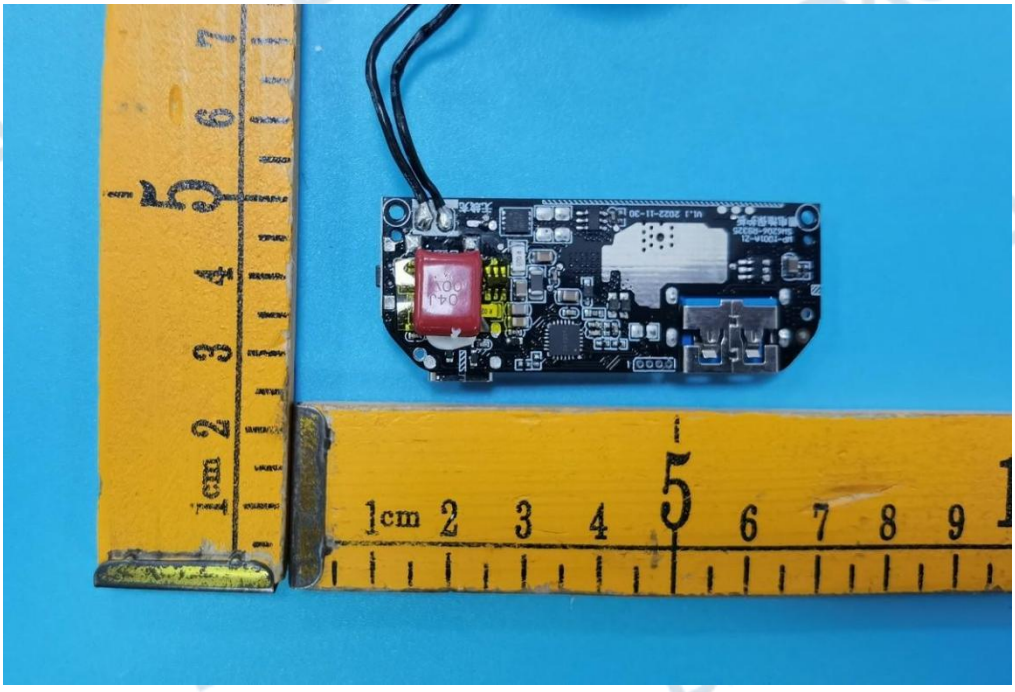

1cm 2 3 4 5 6 7 8 9

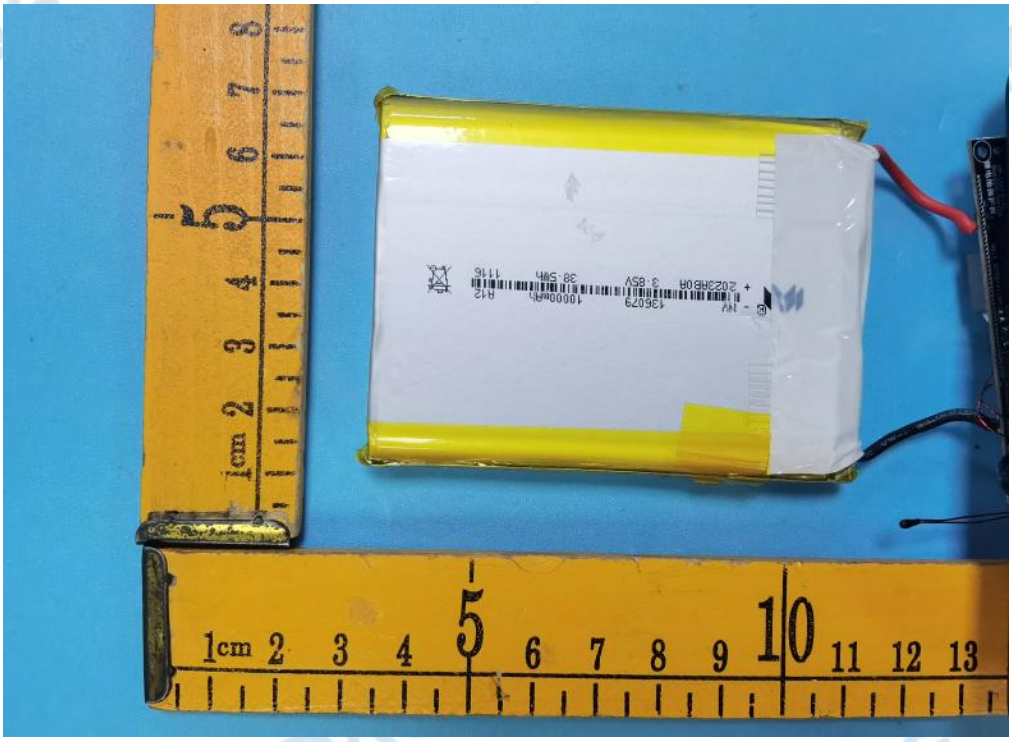

1cm 2 3 4 5 6 7 8 9 10 11

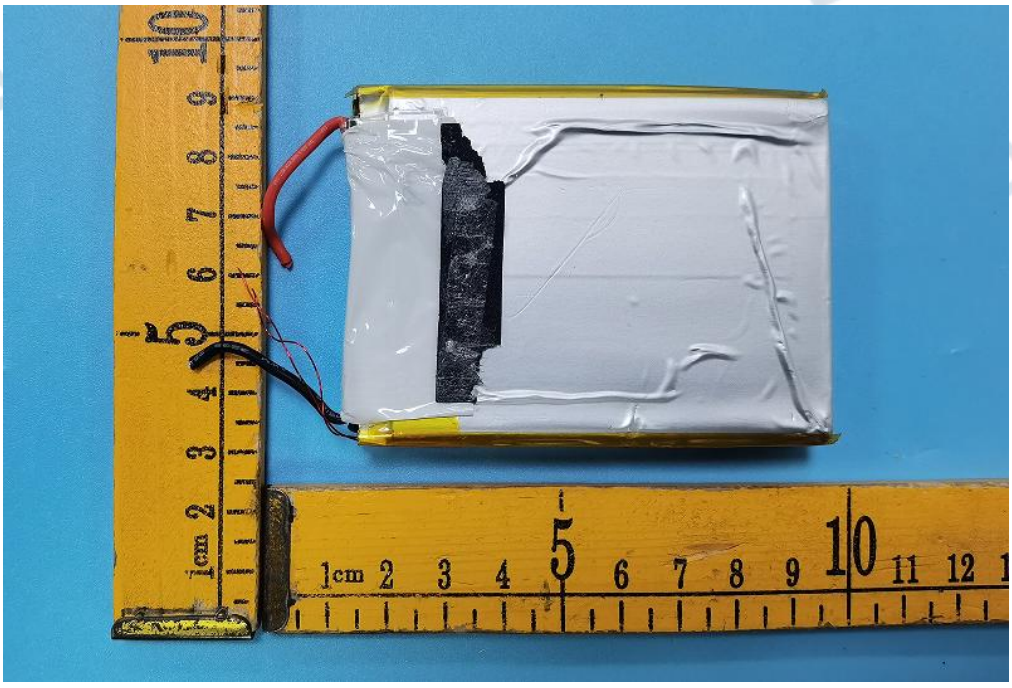

1cm 2 3 4 5 6 7 8 9 10

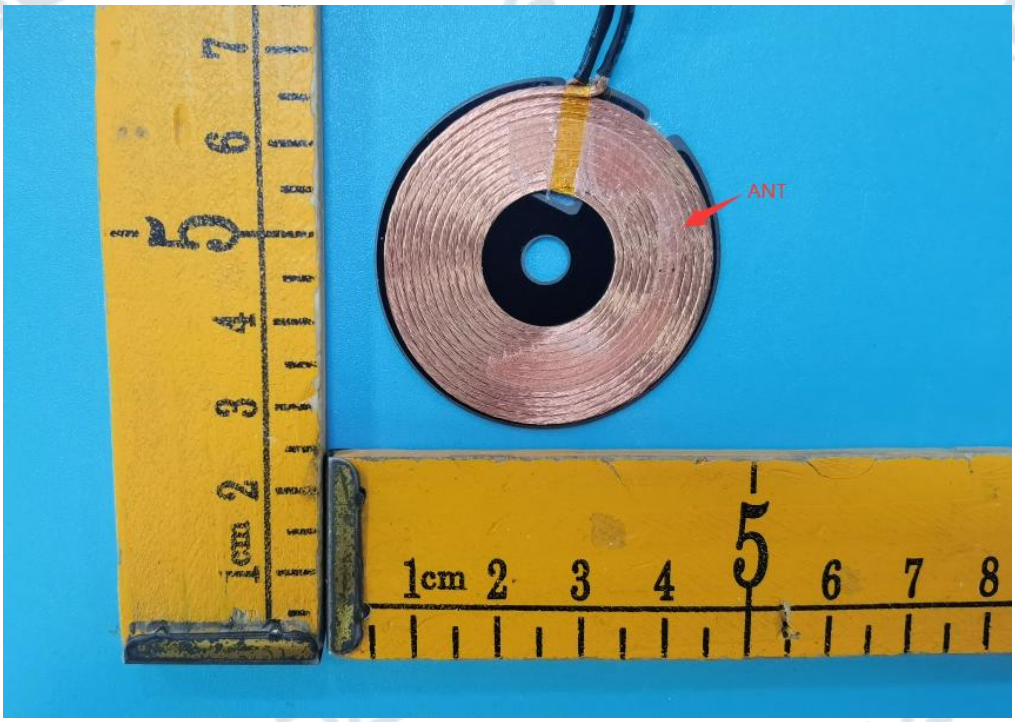
Internal











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