Shenzhen CTA Testing Technology Co., Ltd.
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

TEST REPORT

FCC Rules and Regulations Part 15 Subpart C (Section 15.209),

Report Reference No.....:	**CTA24110501601**
FCC ID.....:	**2BCVOTP-C24QI2**
Compiled by (position+printed name+signature)..:	File administrators Jinghua Xiao
Supervised by (position+printed name+signature)..:	Test Engineer Lushan Kong
Approved by (position+printed name+signature)..:	Manager Eric Wang
Date of issue.....:	Oct.18, 2024
Representative Laboratory Name.:	**Shenzhen CTA Testing Technology Co., Ltd.**
Address.....:	Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China
Applicant's name.....:	**Guangdong Pisen Electronics Co., Ltd.**
Address .....:	Building 5, 1st Floor, No. 9, Qinfu 1st Street, Liuyue Nan Community, Henggang Town, Longgang District, Shenzhen City, Guangdong Province, China
Test specification .....**:**	
Standard .....:	FCC Rules and Regulations Part 15 Subpart C (Section 15.209)

Test item description .....:	**Pisen - 3-in-1 Wireless Charging Stand Qi2 Version (Night Light Toothbrush)**
Trade Mark .....:	PISEN
Manufacturer .....:	Guangdong Pisen Electronics Co., Ltd.
Model/Type reference.....:	TP-C24(qi2)
List Model .....:	N/A
Modulation Type .....:	ASK
Operation Frequency.....:	110-205KHz, 205-360KHz
Ratings .....:	Input: DC 9.0V/3.0A, DC 12.0V/3.0A Wireless Output 1: 15W(Max) Wireless Output 2: 5W (Max) Wireless Output 3: 2.5W(Max) USB-A Output : 10W(5V2A)
Result.....:	**PASS**

T E S T R E P O R T

Test Report No. :	**CTA24110501601**	Oct.18, 2024 Date of issue

Equipment under Test	:	Pisen - 3-in-1 Wireless Charging Stand Qi2 Version (Night Light Toothbrush)
Model /Type	:	TP-C24(qi2)
Listed Models	:	N/A
Applicant	:	**Guangdong Pisen Electronics Co., Ltd.**
Address	:	Building 5, 1st Floor, No. 9, Qinfu 1st Street, Liuyue Nan Community, Henggang Town, Longgang District, Shenzhen City, Guangdong Province, China
Manufacturer		**Guangdong Pisen Electronics Co., Ltd.**
Address	:	Building 5, 1st Floor, No. 9, Qinfu 1st Street, Liuyue Nan Community, Henggang Town, Longgang District, Shenzhen City, Guangdong Province, China

Test Result:	**PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Contents

1. TEST STANDARDS

The tests were performed according to following standards:

FCC Rules and Regulations Part 15 Subpart C (Section 15.209): Radiated emission limits; general requirements.

ANSI C63.10: 2020: American National Standard for Testing Unlicensed Wireless Devices

2 . SUMMARY

2.1. General Remarks

Date of receipt of test sample	:	Sep.27, 2024
Testing commenced on	:	Sep.27, 2024
Testing concluded on	:	Oct.17, 2024

2.2. Product Description

Product Name:	Pisen - 3-in-1 Wireless Charging Stand Qi2 Version (Night Light Toothbrush)
Trade Mark:	PISEN
Model/Type reference:	TP-C24(qi2)
List Model:	N/A
Model Declaration	N/A
Power supply:	Input: DC 9.0V/3.0A, DC 12.0V/3.0A Wireless Output 1: 15W(Max) Wireless Output 2: 5W (Max) Wireless Output 3: 2.5W(Max) USB-A Output : 10W(5V2A)
Hardware Version	N/A
Software Version	N/A
WPT	
Frequency Range	110-205KHz, 205-360KHz
Modulation Type	ASK (Continuous Wave)
Load Sensing	Contact transmission
Antenna Type	Coil Antenna 1: 110-205KHz, 205-360KHz Coil Antenna 2: 110-205KHz Coil Antenna 3: 327.449KHz
Antenna gain	0dBi

2.3. Equipment Under Test

Power supply system utilised

Power supply voltage	:	○	230V / 50 Hz	○	120V / 60Hz
		●	12 V DC	○	24 V DC
		○	Other (specified in blank below)		

DC 12.0V

Description of the test mode

Mode	AC mode
Mode 1	Wireless Charging 15W(Wireless Output 1)+ Wireless Charging 5W(Wireless Output 2) +Wireless Charging 2.5W(Wireless Output 3)
Mode 2	Wireless Charging 15W(Wireless Output 1)+ Wireless Charging 5W(Wireless Output 2)
Mode 3	Wireless Charging 15W(Wireless Output 1) +Wireless Charging 2.5W(Wireless Output 3)
Mode 4	Wireless Charging 5W(Wireless Output 2) +Wireless Charging 2.5W(Wireless Output 3)
Mode 5	Wireless Charging 5W(Wireless Output 2)
Mode 6	Wireless Charging 2.5W(Wireless Output 3)
Mode 7	Wireless Charging 5W(Wireless Output 1)
Mode 8	Wireless Charging 7.5W(Wireless Output 1)
Mode 9	Wireless Charging 10W(Wireless Output 1)
Mode 10	Wireless Charging 15W(Wireless Output 1)

Note :1.EUT has one Type-C port and one USB port, The Type-C supports wireless charging in AC mode.
2. All the modes have been tested and recorded worst mode in the report(Mode 1).
3. All modes were tested for load states less than 1%, less than 50%, and less than 99%.

2.4. EUT Exercise Software

N/A

2.5. Special Accessories

Manufacturer	Description	Model	Serial Number	Certificate
Lenovo	Adapter	C65B	--	SDOC
Apple	Mobile Phone	MLHC3CH/A	--	SDOC
Apple	Airpods	GX6DGNXE0C6L	--	SDOC
Apple	Watch	SMART 49MM	--	SDOC
--	Load	--	--	--

Note: The Adapter, Mobile Phone, Airpods and Watch is only used for auxiliary testing.

2.6. External I/O Cable

I/O Port Description	Quantity	Cable
DC IN Port	1	1.0M, Unscreened Cable
USB Port	1	0.8M, Unscreened Cable

2.7. Modifications

No modifications were implemented to meet testing criteria.

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen CTA Testing Technology Co., Ltd.
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:
FCC-Registration No.: 517856 Designation Number: CN1318
Shenzhen CTA Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.
A2LA-Lab Cert. No.: 6534.01
Shenzhen CTA Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.
The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

3.3. Test Description

Description Of Test	Result
Conducted Emissions Test	Compliant
Radiated Emission Test	Compliant
Occupied Bandwidth Measurement	Compliant
Antenna Requirement	Compliant

3.4. Statement of the measurement uncertainty

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

3.5. Equipments Used during the Test

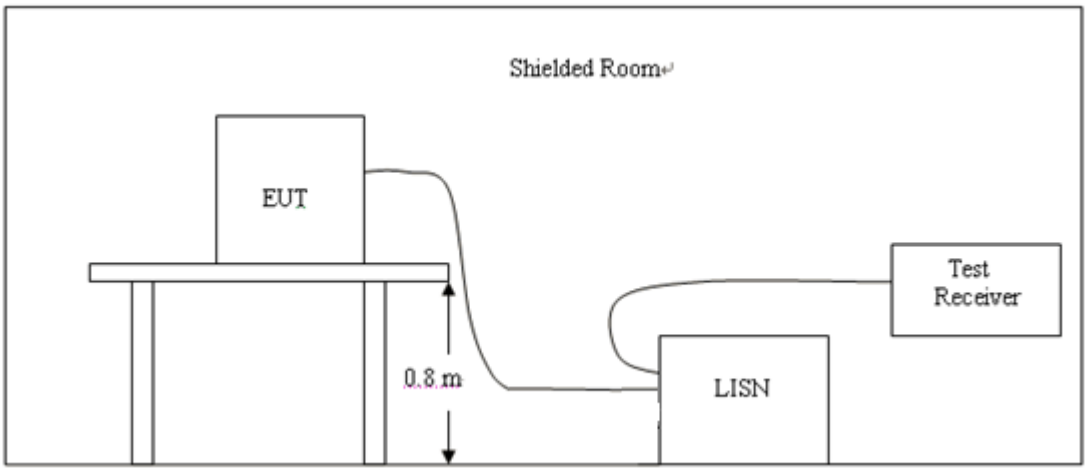
Test Equipment	Manufacturer	Model No.	Equipment No.	Calibration Date	Calibration Due Date
LISN	R&S	ENV216	CTA-308	2024/08/02	2025/08/02
LISN	R&S	ENV216	CTA-314	2024/08/02	2025/08/02
EMI Test Receiver	R&S	ESPI	CTA-307	2024/08/02	2025/08/02
EMI Test Receiver	R&S	ESCI	CTA-306	2024/08/02	2025/08/02
Spectrum Analyzer	Agilent	N9020A	CTA-301	2024/08/02	2025/08/02
Spectrum Analyzer	R&S	FSP	CTA-337	2024/08/02	2025/08/02
Vector Signal generator	Agilent	N5182A	CTA-305	2024/08/02	2025/08/02
Analog Signal Generator	R&S	SML03	CTA-304	2024/08/02	2025/08/02
Universal Radio Communication	CMW500	R&S	CTA-302	2024/08/02	2025/08/02
Temperature and humidity meter	Chigo	ZG-7020	CTA-326	2024/08/02	2025/08/02
Ultra-Broadband Antenna	Schwarzbeck	VULB9163	CTA-310	2024/08/02	2025/08/02
Horn Antenna	Schwarzbeck	BBHA 9120D	CTA-309	2024/08/02	2025/08/02
Loop Antenna	Zhinan	ZN30900C	CTA-311	2024/08/02	2025/08/02
Horn Antenna	Beijing Hangwei Dayang	OBH100400	CTA-336	2024/08/06	2027/08/05
Antenna Tower	Suzhou Keletuo electronic Technology Co., LTD	BK-*AT-BS	N/A	N/A	N/A
Amplifier	Schwarzbeck	BBV 9745	CTA-312	2024/08/02	2025/08/02
Amplifier	Taiwan chengyi	EMC051845B	CTA-313	2024/08/02	2025/08/02
Directional coupler	NARDA	4226-10	CTA-303	2024/08/02	2025/08/02
High-Pass Filter	XingBo	XBLBQ-GTA18	CTA-402	2024/08/02	2025/08/02
High-Pass Filter	XingBo	XBLBQ-GTA27	CTA-403	2024/08/02	2025/08/02
Automated filter bank	Tonscend	JS0806-F	CTA-404	2024/08/02	2025/08/02
Power Sensor	Agilent	U2021XA	CTA-405	2024/08/02	2025/08/02
Amplifier	Schwarzbeck	BBV9719	CTA-406	2024/08/02	2025/08/02

The calibration interval is 1 year.

4. TEST CONDITIONS AND RESULTS

4.1. AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

1, The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
2, Support equipment, if needed, was placed as per ANSI C63.10.
3, All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4, The EUT received DC 12V power, the adapter received AC120V/60Hz or AC 240V/50Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5, All support equipments received AC power from a second LISN, if any.
6, The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7, Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.

AC Power Conducted Emission Limit

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following：

Frequency range (MHz)	Limit (dBuV)	
	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.		

DISTURBANCE Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

CD (dBuV) = RA (dBuV) + PL (dB) + CL (dB)

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

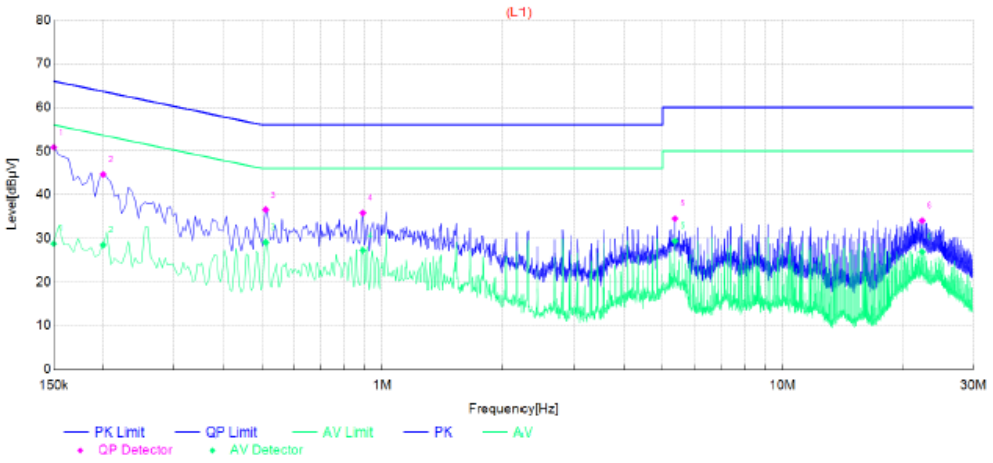
TEST RESULTS

1. Both 120 VAC, 60 Hz and 240 VAC, 50 Hz power supply have been tested, only the worst result of 120 VAC, 60 Hz was reported as below:

Temperature	25℃	Humidity	60%
Test Engineer	Lushan Kong	Configurations	WPT

Power supply:	AC 120V/60Hz	Polarization	L

Test Graph



Final Data List

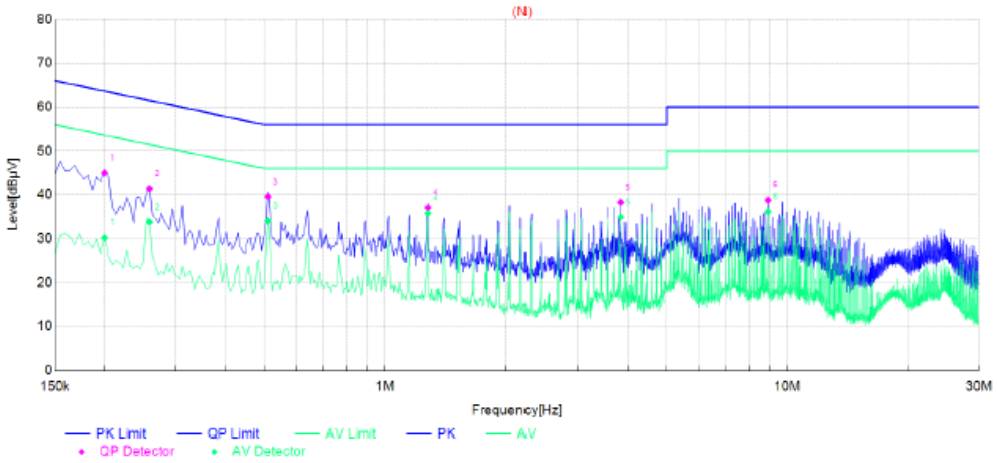
NO.	Frequency	QP Reading	AVG. Reading	Factor	QP Result	AVG. Result	QP Limit	AVG. Limit	QP Margin	AVG. Margin	Line	Remark
1	0.15	40.51	18.44	10.35	50.86	28.79	66.00	56.00	15.14	27.21	L1	PASS
2	0.1995	34.50	18.37	10.15	44.65	28.52	63.63	53.63	18.98	25.11	L1	PASS
3	0.51	26.29	18.84	10.25	36.54	29.09	56.00	46.00	19.46	16.91	L1	PASS
4	0.8925	25.59	17.05	10.23	35.82	27.28	56.00	46.00	20.18	18.72	L1	PASS
5	5.3655	24.12	19.01	10.40	34.52	29.41	60.00	50.00	25.48	20.59	L1	PASS
6	22.362	22.49	15.38	11.55	34.04	26.93	60.00	50.00	25.96	23.07	L1	PASS

Note: 1. Result (dBµV) = Reading (dBµV) + Factor (dB).

2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).

Power supply:	AC 120V/60Hz	Polarization	N

Test Graph



Final Data List

NO.	Frequency	QP Reading	AVG. Reading	Factor	QP Result	AVG. Result	QP Limit	AVG. Limit	QP Margin	AVG. Margin	Line	Remark
1	0.1995	34.86	20.10	10.15	45.01	30.25	63.63	53.63	18.62	23.38	N	PASS
2	0.258	31.27	23.69	10.12	41.39	33.81	61.50	51.50	20.11	17.69	N	PASS
3	0.51	29.33	23.82	10.25	39.58	34.07	56.00	46.00	16.42	11.93	N	PASS
4	1.2795	26.85	25.57	10.22	37.07	35.79	56.00	46.00	18.93	10.21	N	PASS
5	3.8355	27.92	24.54	10.37	38.29	34.91	56.00	46.00	17.71	11.09	N	PASS
6	8.943	28.25	25.59	10.55	38.80	36.14	60.00	50.00	21.20	13.86	N	PASS

Note: 1. Result (dBµV) = Reading (dBµV) + Factor (dB).

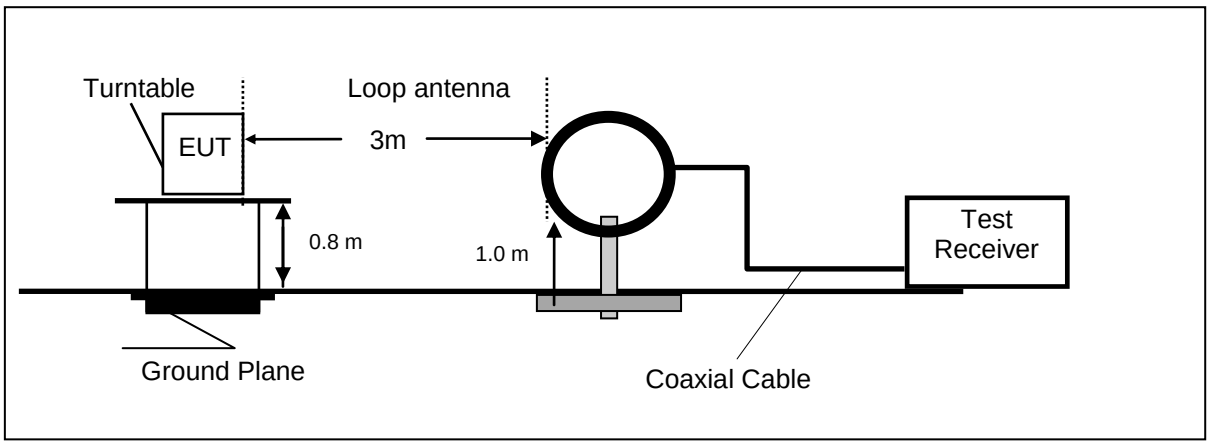
2. Factor (dB) = Cable loss (dB) + LISN Factor (dB).

Note: All the modes have been tested and recorded worst mode in the report.

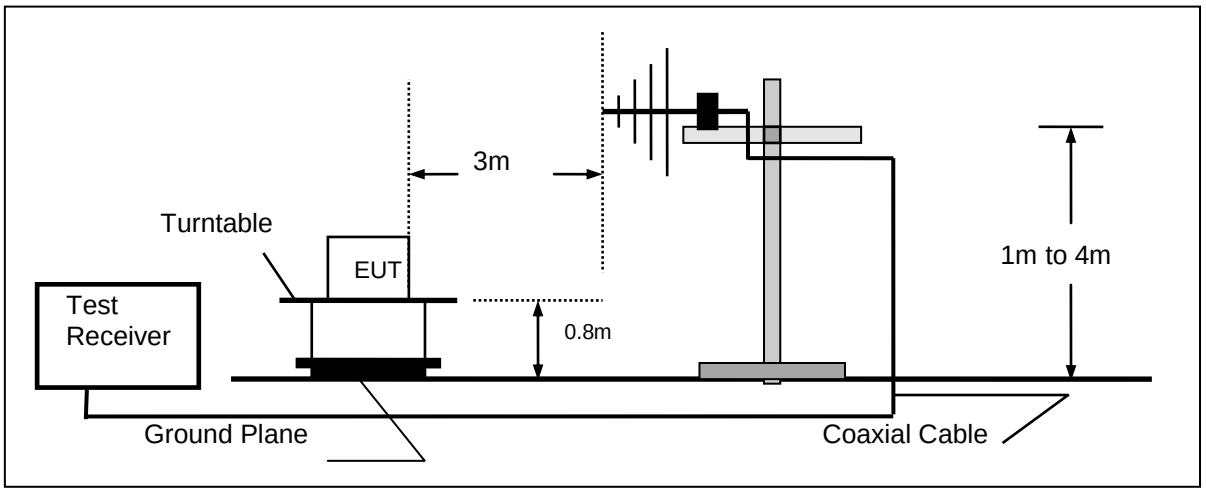
4.2. Radiated Emission

TEST CONFIGURATION

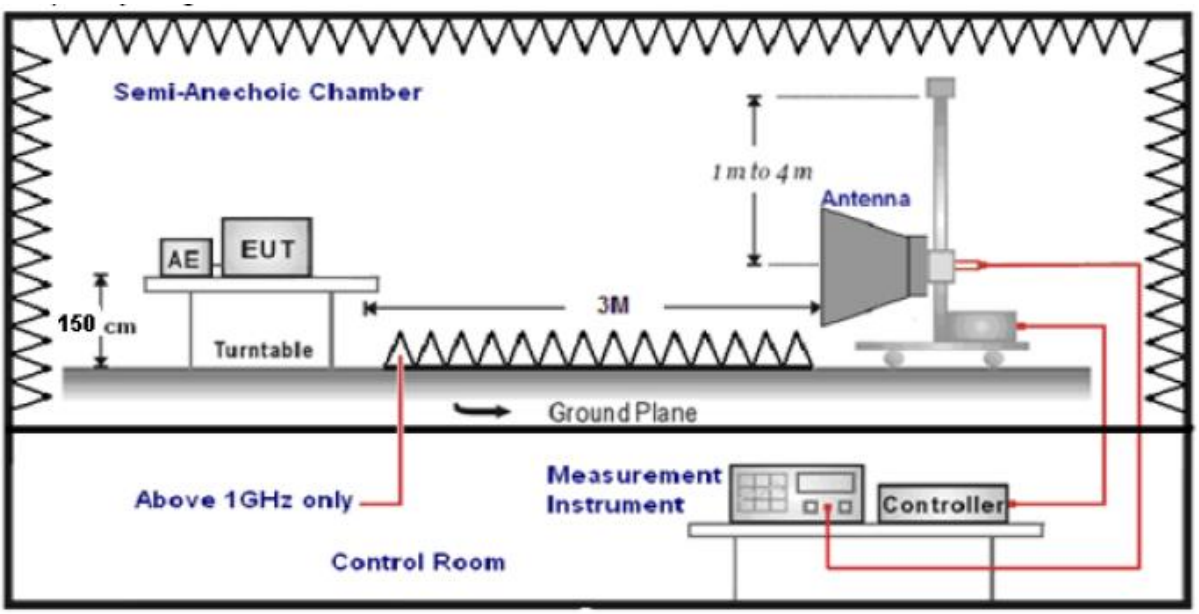
Frequency range 9 KHz – 30MHz



Frequency range 30MHz – 1000MHz



Frequency range above 1GHz-25GHz



TEST PROCEDURE

1.The EUT was placed on a turn table which is 12mm above ground plane when testing frequency range 9 KHz –25GHz.
2.Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0℃ to 360℃ to acquire the highest emissions from EUT.
3.And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4.Repeat above procedures until all frequency measurements have been completed.
5.The EUT minimum operation frequency was 32.768KHz and maximum operation frequency was 205KHz.so radiated emission test frequency band from 9KHz to 1GHz.
6.The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Ultra-Broadband Antenna	3
1GHz-18GHz	Double Ridged Horn Antenna	3
18GHz-25GHz	Horn Anternna	1

7.Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz,Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz,Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz,Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

Transd=AF +CL-AG

RADIATION LIMIT

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission from intentional radiators at a distance of 3 meters shall not exceed the following table. According to § 15.247(d), in any 100kHz bandwidth outside the frequency band in which the EUT is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the100kHz bandwidth within the band that contains the highest level of desired power.
The pre-test have done for the EUT in three axes and found the worst emission at position shown in test setup photos.

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	20log(2400/F(KHz))+40log(300/3)	2400/F(KHz)
0.49-1.705	3	20log(24000/F(KHz))+ 40log(30/3)	24000/F(KHz)
1.705-30	3	20log(30)+ 40log(30/3)	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

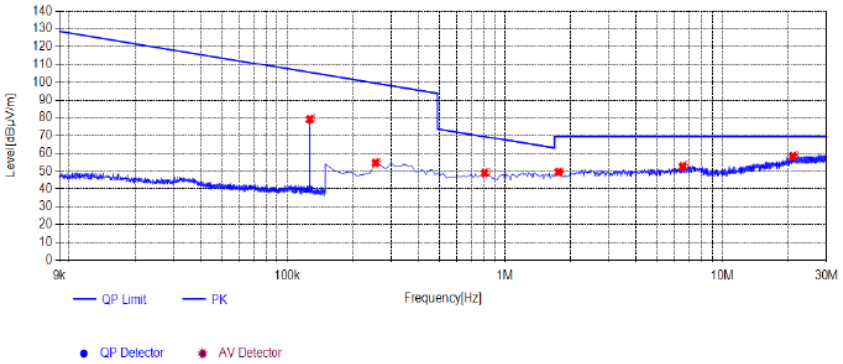
TEST RESULTS

Temperature	25℃	Humidity	58%
Test Engineer	Lushan Kong	Configurations	WPT

For 9 KHz-30MHz

Coplanar

Test Graph



Suspected List

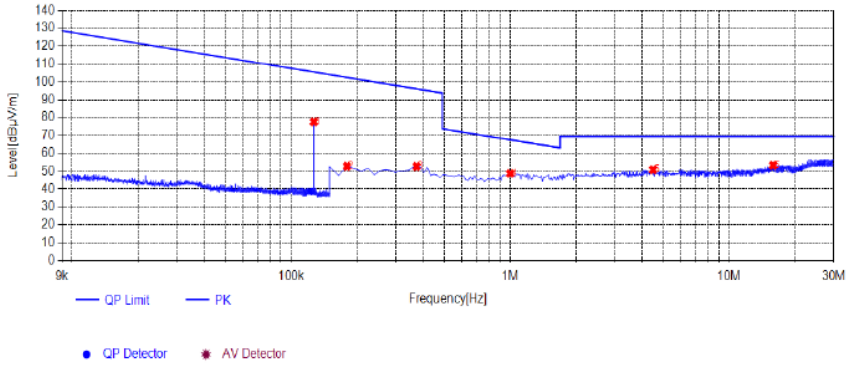
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	0.127	78.82	0.34	79.16	105.53	26.37	100	260	PK	Coplanar	PASS
2	0.2545	54.24	0.44	54.68	99.49	44.81	100	279	PK	Coplanar	PASS
3	0.8067	48.20	0.77	48.97	69.47	20.50	100	279	PK	Coplanar	PASS
4	1.7619	48.26	1.34	49.60	69.54	19.94	100	214	PK	Coplanar	PASS
5	6.5678	48.47	4.16	52.63	69.54	16.91	100	293	PK	Coplanar	PASS
6	21.0748	45.84	12.50	58.34	69.54	11.20	100	87	PK	Coplanar	PASS

Note: 1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Coaxial

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	0.127	77.29	0.34	77.63	105.53	27.90	100	108	PK	Coaxial	PASS
2	0.1798	52.43	0.40	52.83	102.51	49.68	100	34	PK	Coaxial	PASS
3	0.3739	52.22	0.51	52.73	96.15	43.42	100	272	PK	Coaxial	PASS
4	1.0007	47.89	0.89	48.78	67.60	18.82	100	90	PK	Coaxial	PASS
5	4.4932	47.93	2.96	50.89	69.54	18.65	100	216	PK	Coaxial	PASS
6	15.866	43.87	9.50	53.37	69.54	16.17	100	188	PK	Coaxial	PASS

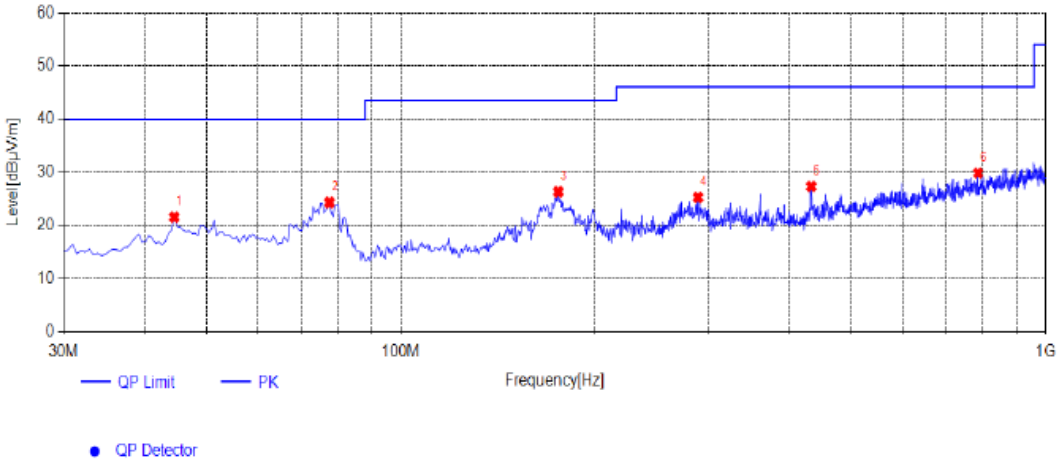
Note: 1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

For 30MHz-1GHz

Horizontal

Test Graph



Suspected List

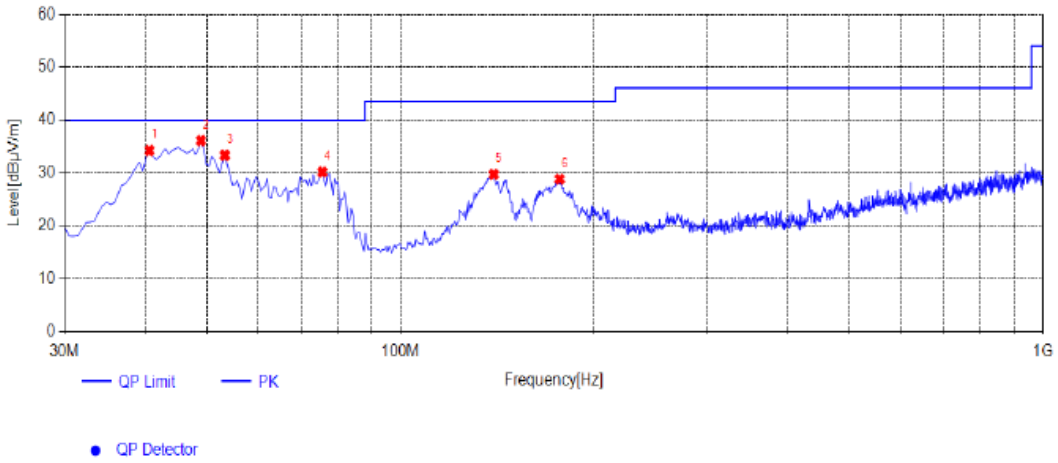
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Rema
1	44.55	33.00	-11.41	21.59	40.00	18.41	100	304	PK	Horizonta	PAS
2	77.53	38.63	-14.30	24.33	40.00	15.67	100	321	PK	Horizonta	PAS
3	175.5	38.81	-12.49	26.32	43.50	17.18	100	251	PK	Horizonta	PAS
4	288.99	32.94	-7.67	25.27	46.00	20.73	100	271	PK	Horizonta	PAS
5	433.035	31.56	-4.24	27.32	46.00	18.68	100	354	PK	Horizonta	PAS
6	785.63	28.50	1.37	29.87	46.00	16.13	100	172	PK	Horizonta	PAS

Note: 1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Rema
1	40.67	46.10	-11.85	34.25	40.00	5.75	100	249	PK	Vertical	PASS
2	48.915	47.06	-10.97	36.09	40.00	3.91	100	275	PK	Vertical	PASS
3	53.28	44.40	-11.04	33.36	40.00	6.64	100	232	PK	Vertical	PASS
4	75.59	44.42	-14.21	30.21	40.00	9.79	100	305	PK	Vertical	PASS
5	139.61	44.08	-14.33	29.75	43.50	13.75	100	43	PK	Vertical	PASS
6	176.955	41.23	-12.40	28.83	43.50	14.67	100	53	PK	Vertical	PASS

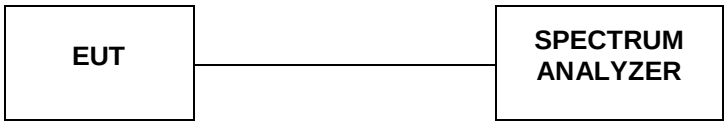
Note: 1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Note: All the modes have been tested and recorded worst mode in the report.

4.3. Occupied Bandwidth

TEST CONFIGURATION



TEST PROCEDURE

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 20dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equip compliance with the 20dB attenuation specification may base on measurement at the intentional radiator's antenna output terminal unless the intentional radiator uses a permanently attached antenna, in which case compliance shall be.deomonstrated by measuring the radiated emissions.

LIMIT

/

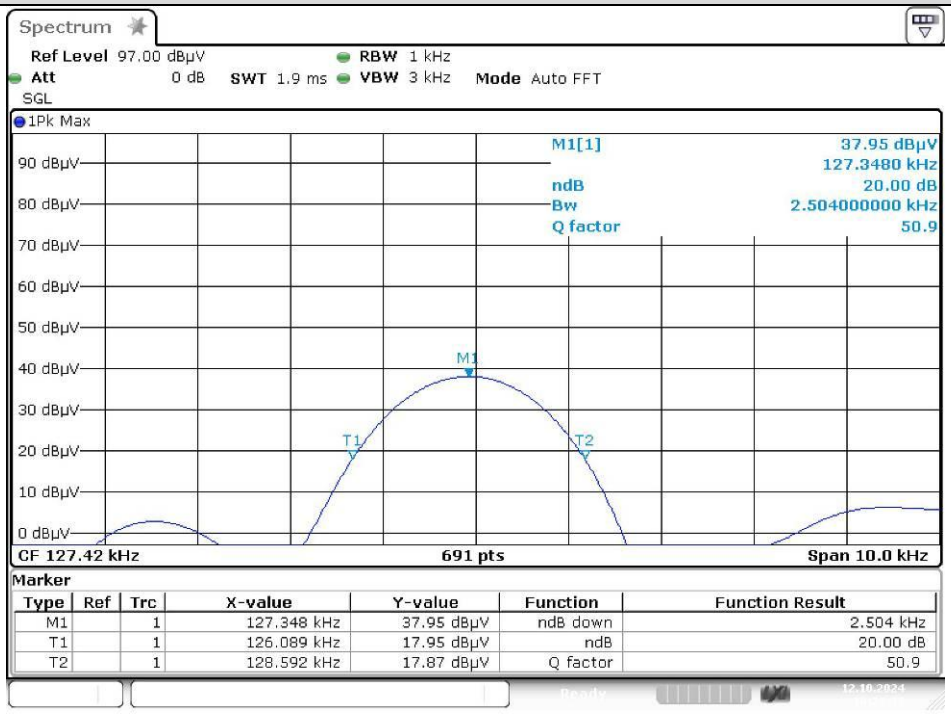
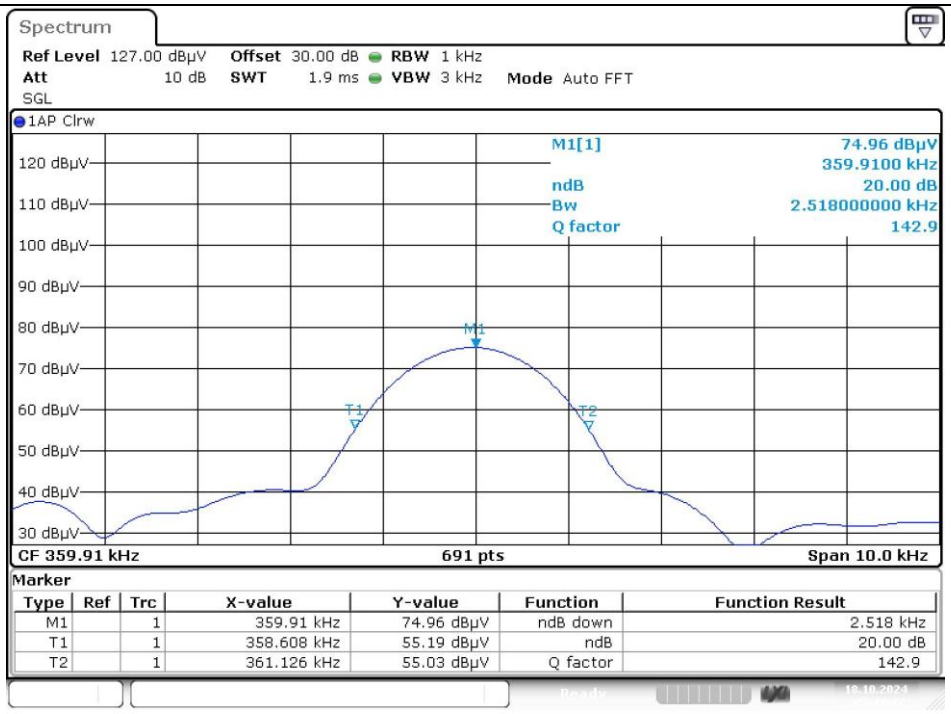
TEST RESULTS

Temperature	24.5℃	Humidity	53.9%
Test Engineer	Lushan Kong	Configurations	WPT

Coil Antenna 1:

Mode	Freq (KHz)	20dB Bandwidth (KHz)	Limit (kHz)	Conclusion
Tx Mode	127.42	2.504	/	PASS
Tx Mode	359.91	2.518	/	PASS

Coil Antenna 1:

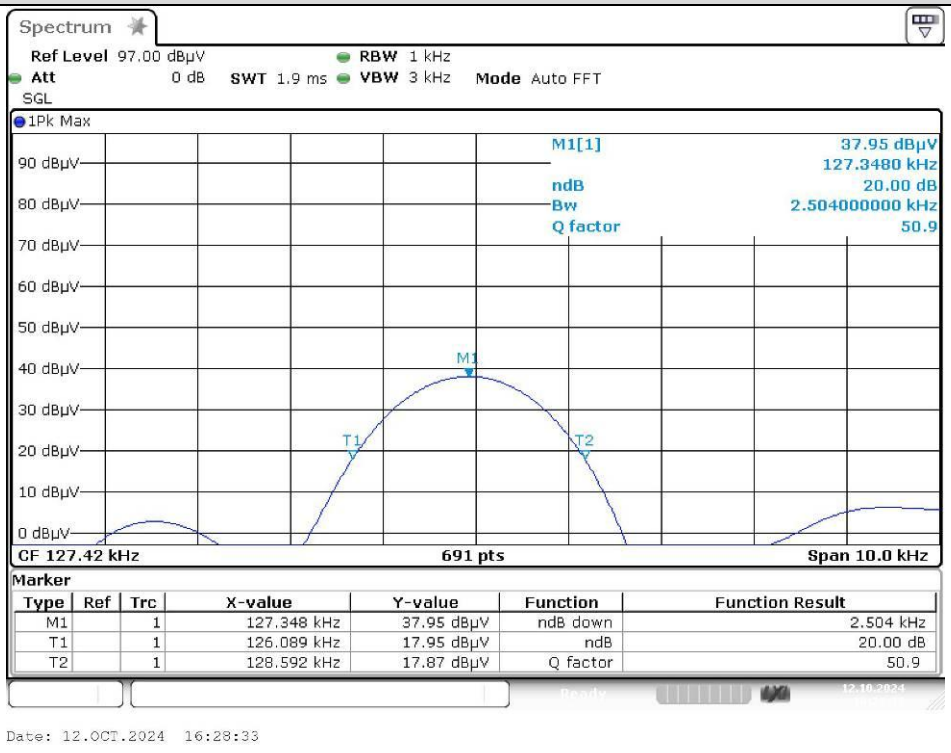
20dB Bandwidth



Coil Antenna 2:

Mode	Freq (KHz)	20dB Bandwidth (KHz)	Limit (kHz)	Conclusion
Tx Mode	128.129	2.489	/	PASS

Coil Antenna 2:

20dB Bandwidth

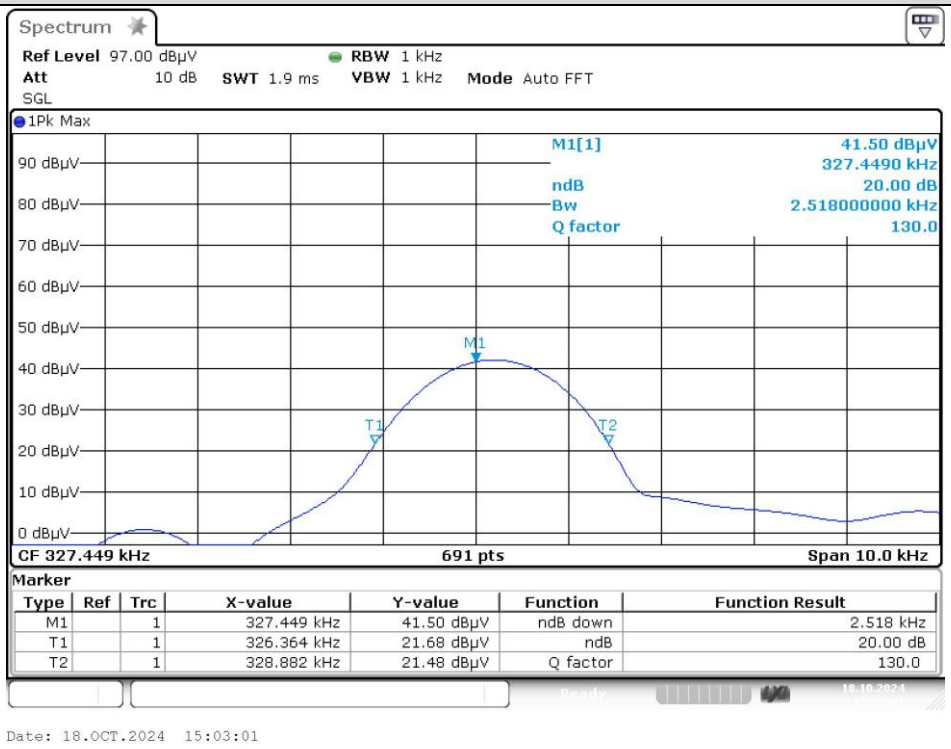


Coil Antenna 3:

Mode	Freq (KHz)	20dB Bandwidth (KHz)	Limit (kHz)	Conclusion
Tx Mode	327.449	2.518	/	PASS

Coil Antenna 3:

20dB Bandwidth



4.4. Antenna Requirement

Standard Applicable

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

Antenna Information

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

Reference to the **Internal photos**.

5. Test Setup Photos of the EUT

Photo of Radiated Emissions Measurement

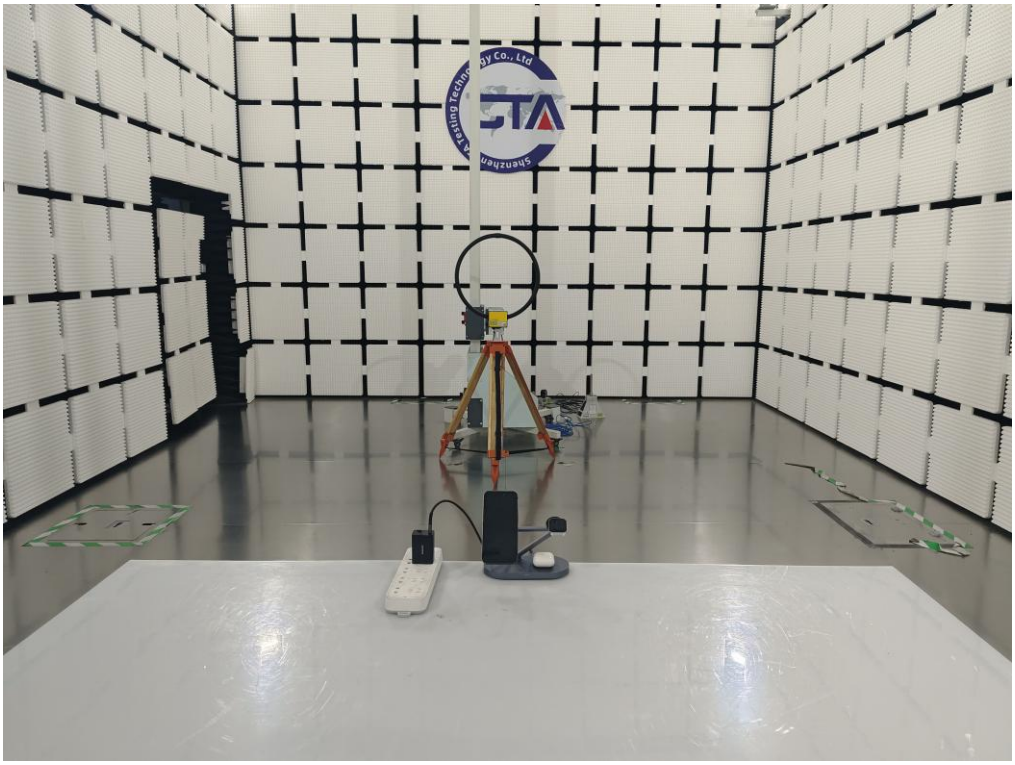


Fig. 1

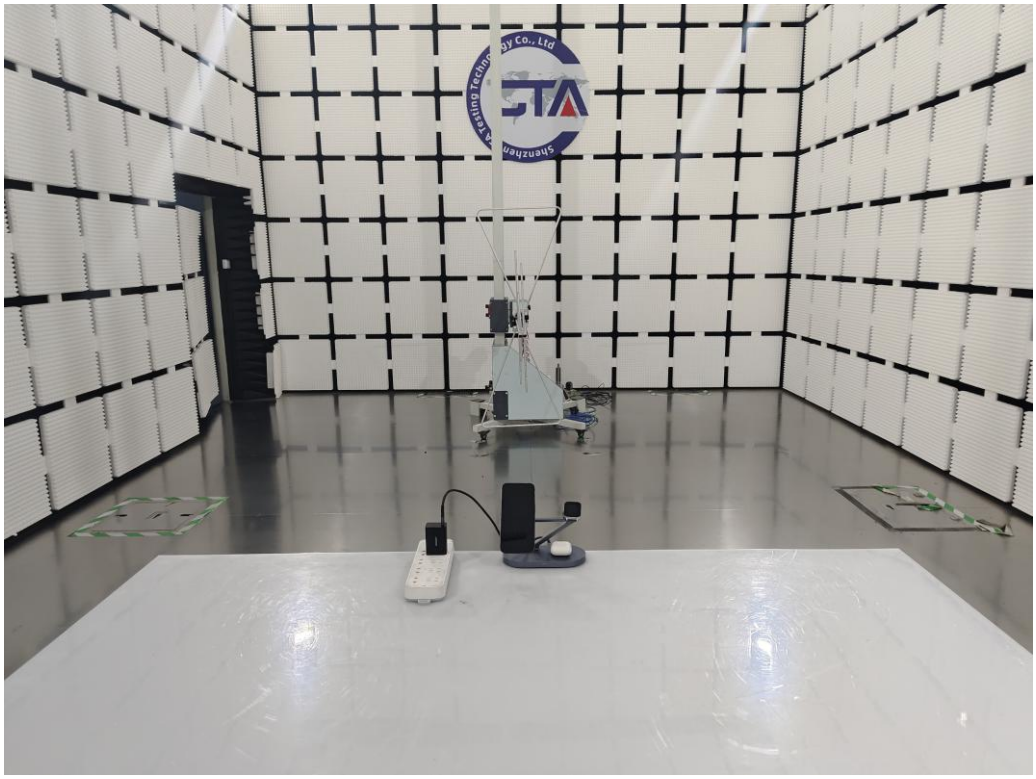


Fig. 2

Photo of Conducted Emissions Measurement

Fig. 3

6. External and Internal Photos of the EUT

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

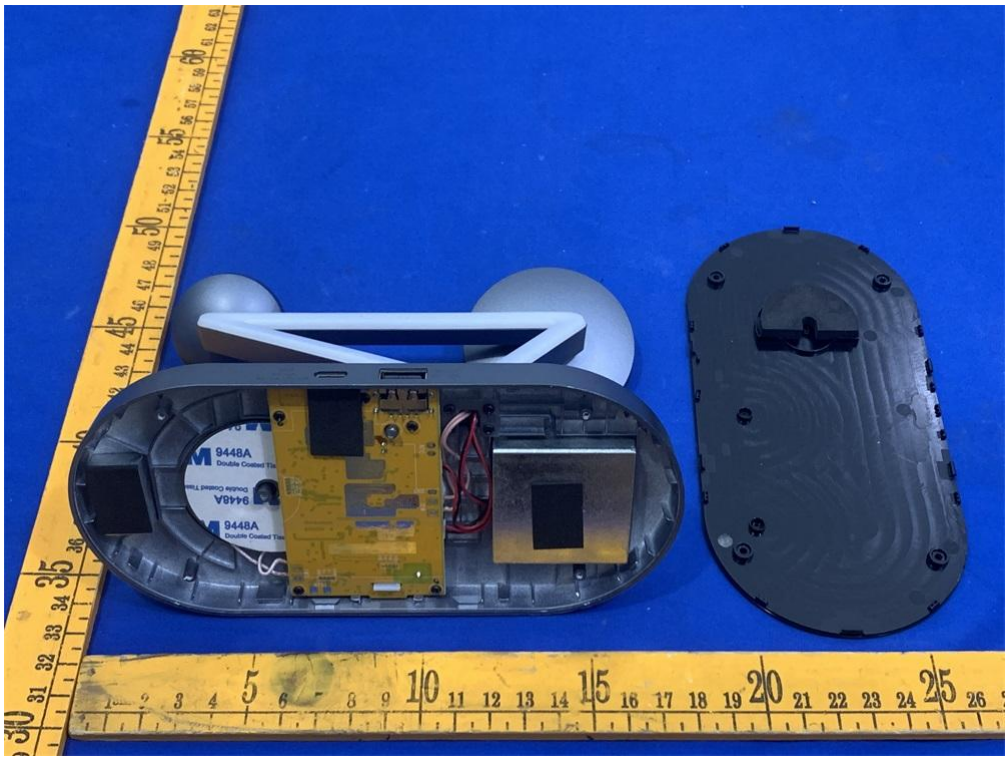


Fig. 7

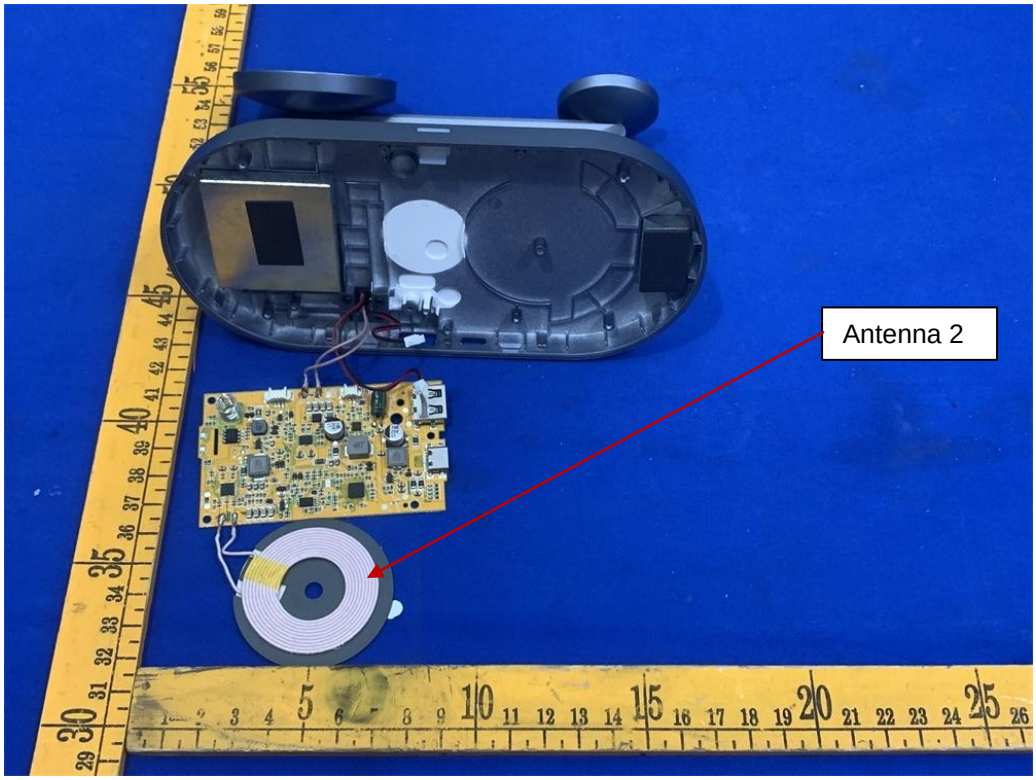


Fig. 8

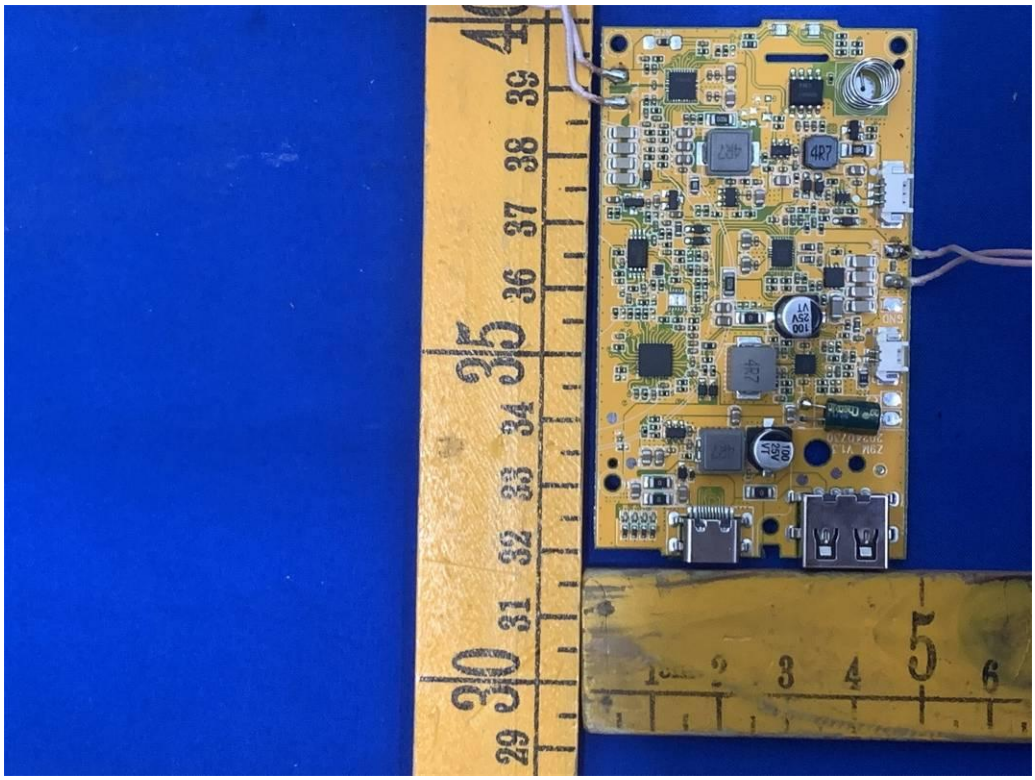


Fig. 9

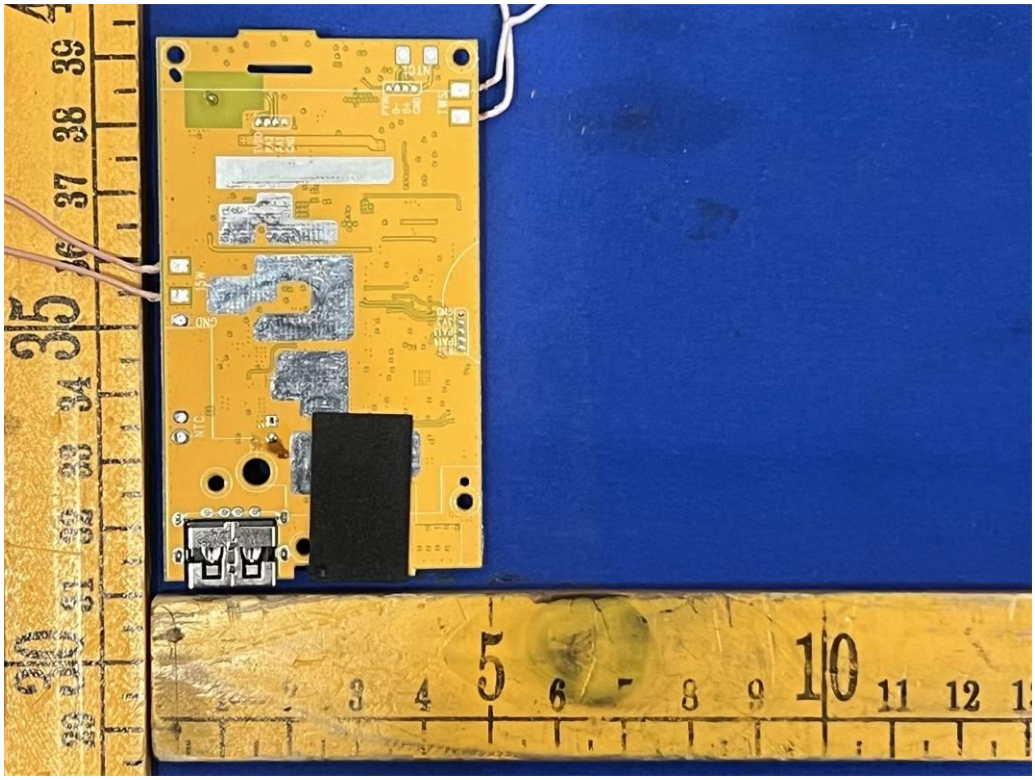


Fig. 10

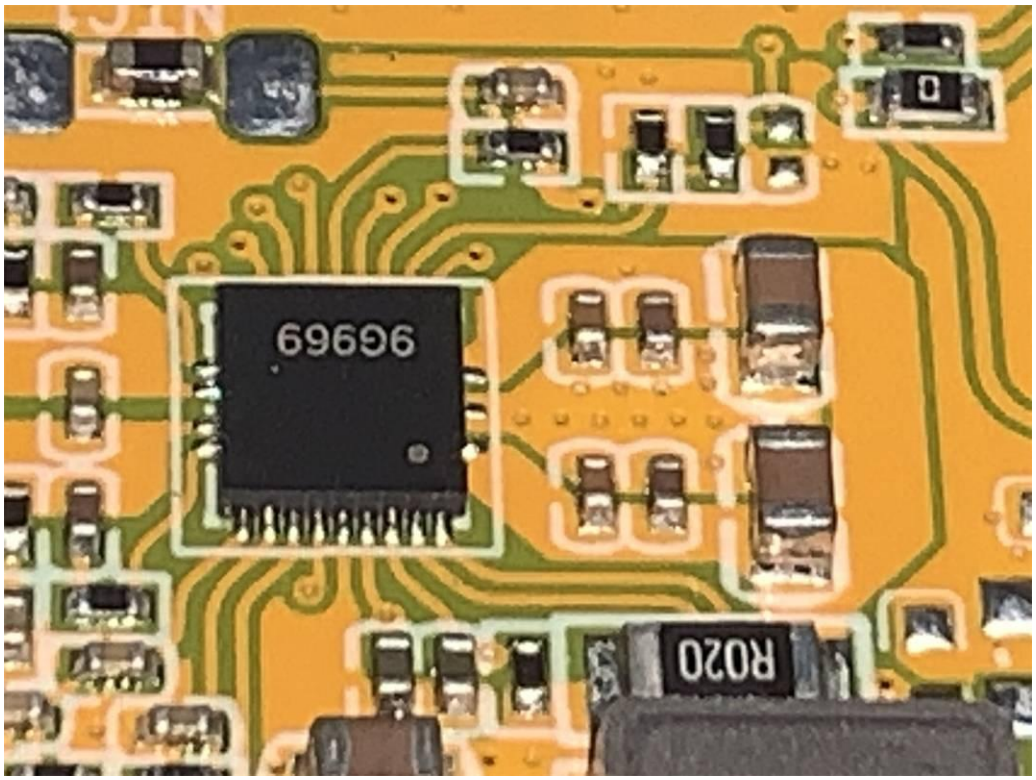


Fig. 11

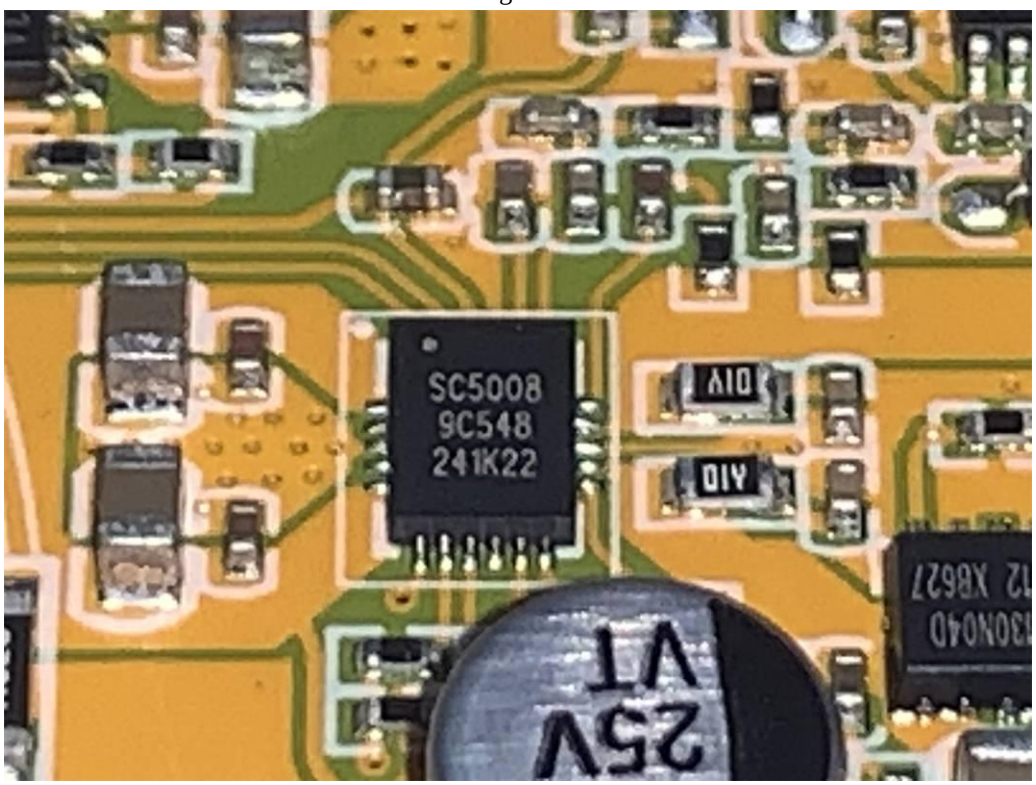


Fig. 12

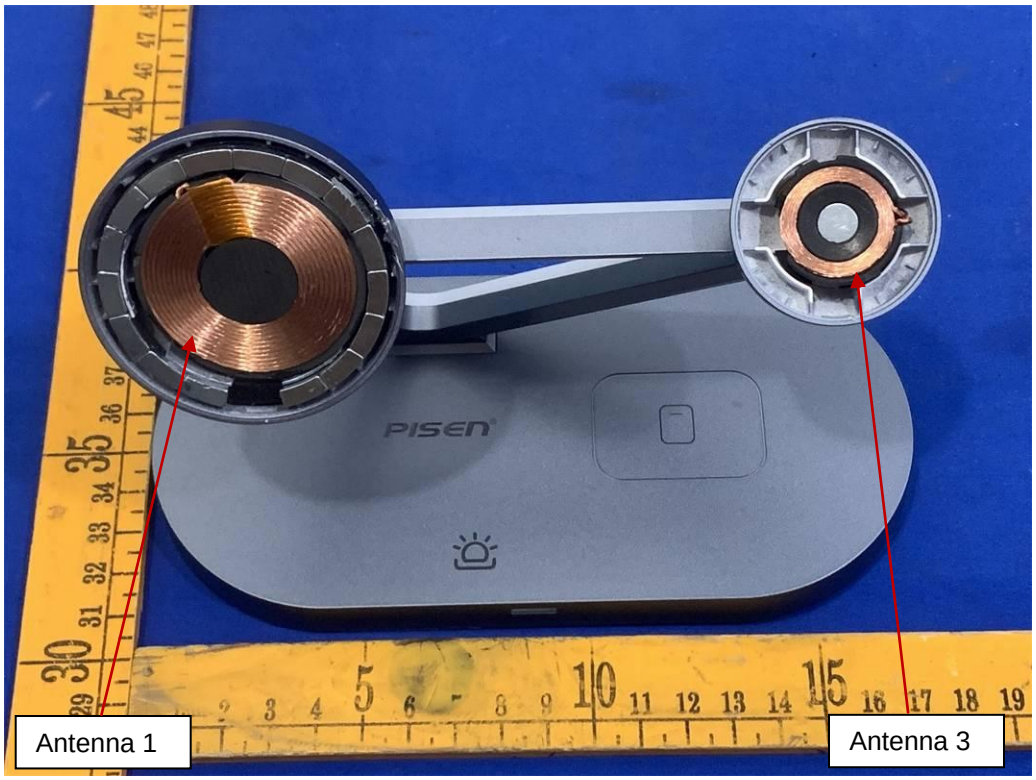


Fig. 13

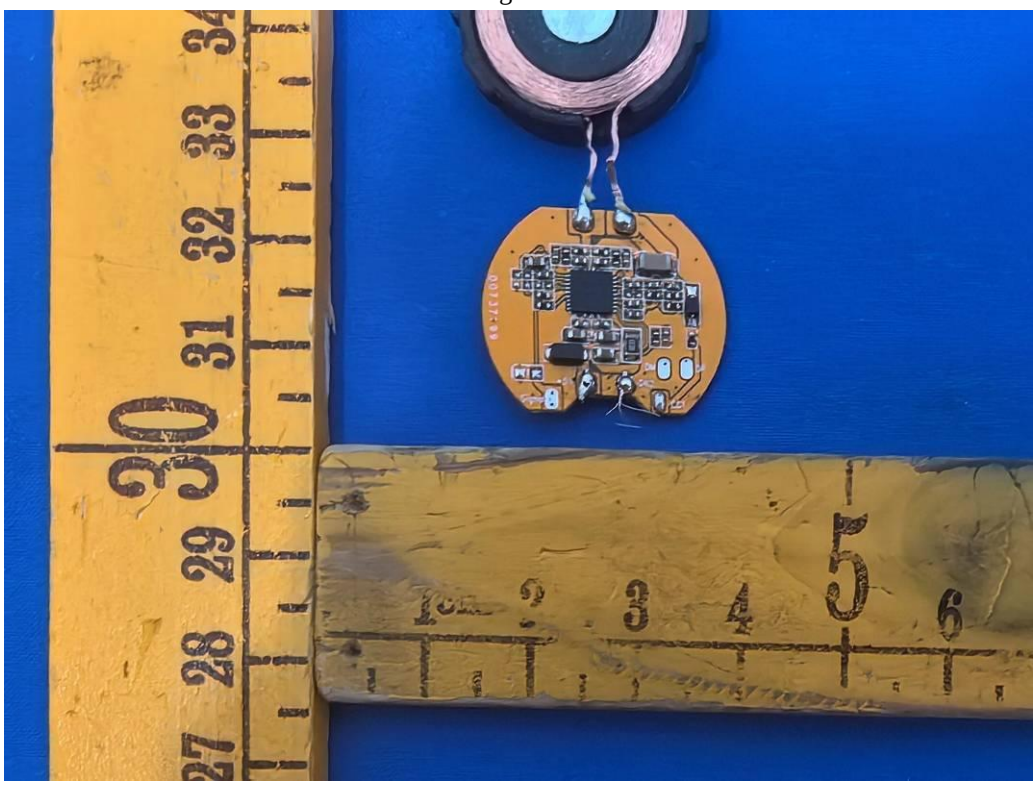


Fig. 14

Fig. 15

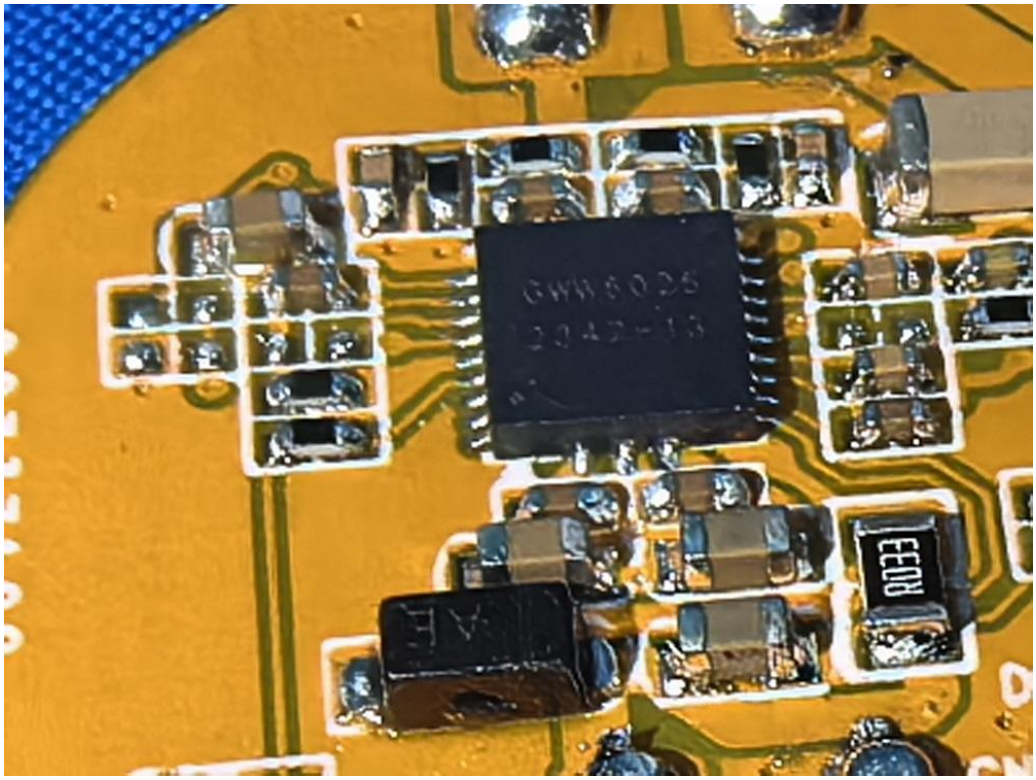


Fig. 16

.....End of Report.....