TCT 通测检测
TESTING CENTRE TECHNOLOGY

TEST REPORT

FCC ID. ..... :	2BNU4-PSV	
Test Report No..... :	TCT250218E007	
Date of issue..... :	Feb. 21, 2025	
Testing laboratory ..... :	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name..... :	Truffle Labs Inc	
Address..... :	651 N. Broad St., Ste. 201 Middletown, DELAWARE, 19709 United States	
Manufacturer's name ... :	Dongguan Haideyi Electronic Technology Co., Ltd	
Address..... :	Room 302, Building1, No.16, Tianxin Butterfly1st Road, HuangjiangTown, 523763 DongguanCity, Guangdong Province, China	
Standard(s) ..... :	FCC CFR Title 47 Part 15 Subpart C Section 15.225	
Test item description ..... :	Puffpaw Smart Vape	
Trade Mark ..... :	N/A	
Model/Type reference..... :	PSV	
Rating(s)..... :	Rechargeable Li-ion Battery DC 3.7V	
Date of receipt of test item ..... :	Feb. 18, 2025	
Date (s) of performance of test..... :	Feb. 18, 2025 ~ Feb. 21, 2025	
Tested by (+signature) ... :	Ronaldo LUO	Ronaldo Luo
Check by (+signature).... :	Beryl ZHAO	Beryl Zhao
Approved by (+signature):	Tomsin	Tomsin

SHENZHEN TONGCE TESTING LAB TCT

General disclaimer:

This report shall not be reproduced except in full, without the written approval of SHENZHEN TONGCE TESTING LAB. This document may be altered or revised by SHENZHEN TONGCE TESTING LAB 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.

Table of Contents

1. General Product Information 3
1.1. EUT description 3
1.2. Model(s) list 3
2. Test Result Summary 4
3. General Information 5
3.1. Test Environment and Mode 5
3.2. Description of Support Units 5
4. Facilities and Accreditations 6
4.1. Facilities 6
4.2. Location 6
4.3. Measurement Uncertainty 6
5. Test Results and Measurement Data 7
5.1. Antenna Requirement 7
5.2. Conducted Emission 8
5.3. Radiated Emission Measurement 12
5.4. Occupied Bandwidth 20
5.5. Frequency stability 22
Appendix A: Photographs of Test Setup
Appendix B: Photographs of EUT

1. General Product Information

1.1. EUT description

Test item description .....:	Puffpaw Smart Vape
Model/Type reference.....:	PSV
Sample Number.....:	TCT250218E006-0101
Operation Frequency .....:	13.56MHz
Antenna Type.....:	FPC Antenna
Antenna Gain.....:	0dBi
Rating(s).....:	Rechargeable Li-ion Battery DC 7.4V

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

None.

2. Test Result Summary

Requirement	CFR 47 Section IC Paragraph	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Spurious emissions	§15.225/ §15.209	PASS
Occupied Bandwidth	§15.215 (c)	PASS
Frequency stability	§15.225	PASS

Note:

1. PASS: Test item meets the requirement.

2. Fail: Test item does not meet the requirement.

3. N/A: Test case does not apply to the test object.

4. The test result judgment is decided by the limit of test standard.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

3. General Information

3.1. Test Environment and Mode

Operating Environment:		
Condition	Conducted Emission	Radiated Emission
Temperature:	23.3 °C	22.5 °C
Humidity:	50 % RH	51 % RH
Atmospheric Pressure:	1010 mbar	1010 mbar
Test Mode:		
Operation mode:	Keep the EUT in continuous transmitting with modulation	
The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case(Z axis) are shown in Test Results of the following pages.		

3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
IC Card	/	/	/	/
Adapter	EP-TA200	R37M4PR7QD4SE3	/	SAMSUNG

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4. Facilities and Accreditations

4.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

● FCC - Registration No.: 645098
SHENZHEN TONGCE TESTING LAB
Designation Number: CN1205
The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

●● IC - Registration No.: 10668A
SHENZHEN TONGCE TESTING LAB
CAB identifier: CN0031
The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

4.2. Location

SHENZHEN TONGCE TESTING LAB
Address: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China
TEL: +86-755-27673339

4.3. Measurement Uncertainty

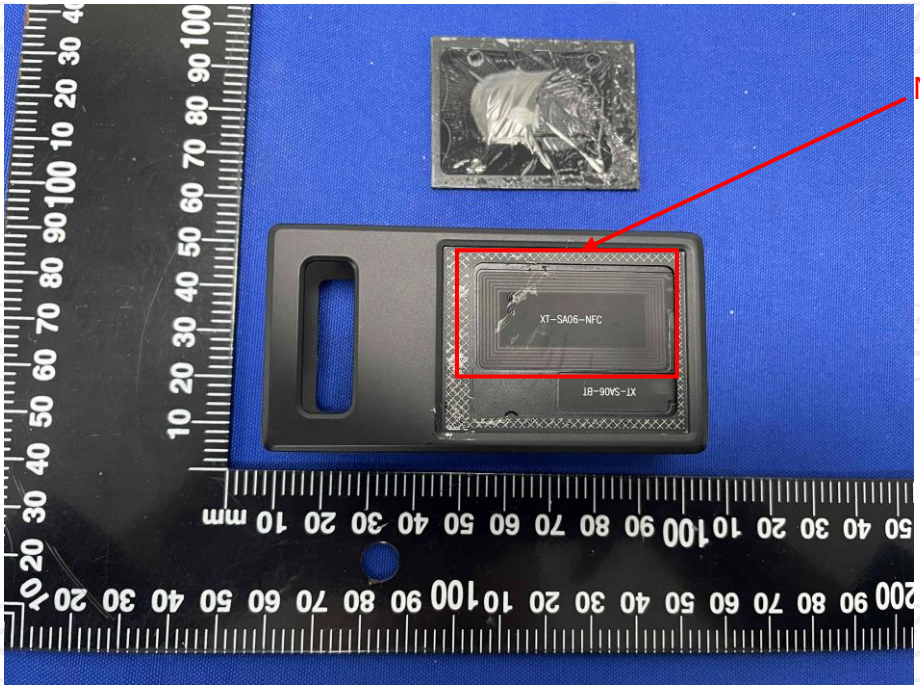
The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	± 3.10 dB
2	RF power, conducted	± 0.12 dB
3	Spurious emissions, conducted	± 0.11 dB
4	All emissions, radiated(<1 GHz)	± 4.56 dB
5	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB
6	All emissions, radiated(18 GHz- 40 GHz)	± 4.36 dB

5. Test Results and Measurement Data

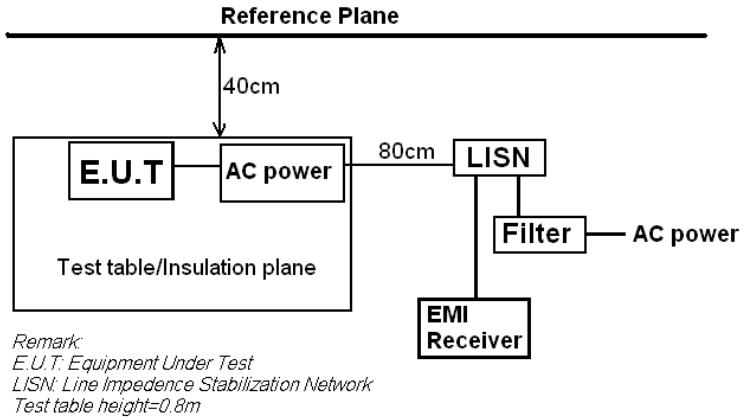
5.1. Antenna Requirement

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.	
E.U.T Antenna:	
The NFC antenna is FPC antenna which permanently attached, and the best case gain of the antenna is 0dBi.	



5.2. Conducted Emission

5.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2020
Frequency Range:	150 kHz to 30 MHz
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto
Limits:	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
Test Setup:	
Test Mode:	Refer to section 3.1 for details
Test Procedure:	1. The E.U.T is connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2020 on conducted measurement.
Test Result:	PASS

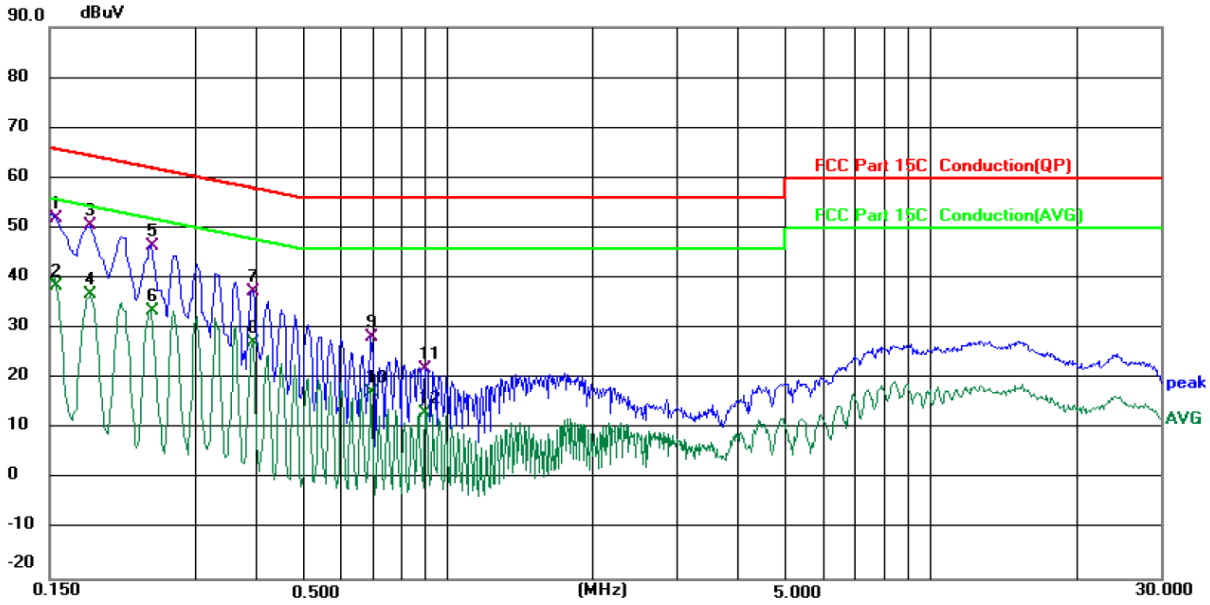
5.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)				
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
EMI Test Receiver	R&S	ESCI3	100898	Jun. 26, 2025
LISN	Schwarzbeck	NSLK 8126	8126453	Jan. 20, 2026
Attenuator	N/A	10dB	164080	Jun. 26, 2025
Line-5	TCT	CE-05	/	Jun. 26, 2025
EMI Test Software	EZ_EMC	EMEC-3A1	1.1.4.2	/

5.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room | Phase: *L1* | Temperature: 23.3 (℃) | Humidity: 50 %

Limit: FCC Part 15C Conduction(QP) | Power: DC 5V(Adapter Input AC 120V/60Hz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1548	41.88	9.96	51.84	65.74	-13.90	QP	
2		0.1548	28.41	9.96	38.37	55.74	-17.37	AVG	
3	*	0.1819	40.73	9.93	50.66	64.40	-13.74	QP	
4		0.1819	26.86	9.93	36.79	54.40	-17.61	AVG	
5		0.2420	36.62	9.93	46.55	62.03	-15.48	QP	
6		0.2420	23.67	9.93	33.60	52.03	-18.43	AVG	
7		0.3940	27.42	9.92	37.34	57.98	-20.64	QP	
8		0.3940	17.29	9.92	27.21	47.98	-20.77	AVG	
9		0.6940	18.50	9.90	28.40	56.00	-27.60	QP	
10		0.6940	7.25	9.90	17.15	46.00	-28.85	AVG	
11		0.9020	12.14	9.93	22.07	56.00	-33.93	QP	
12		0.9020	3.11	9.93	13.04	46.00	-32.96	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level (dBµV) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dBµV) = Reading level (dBµV) + Corr. Factor (dB)

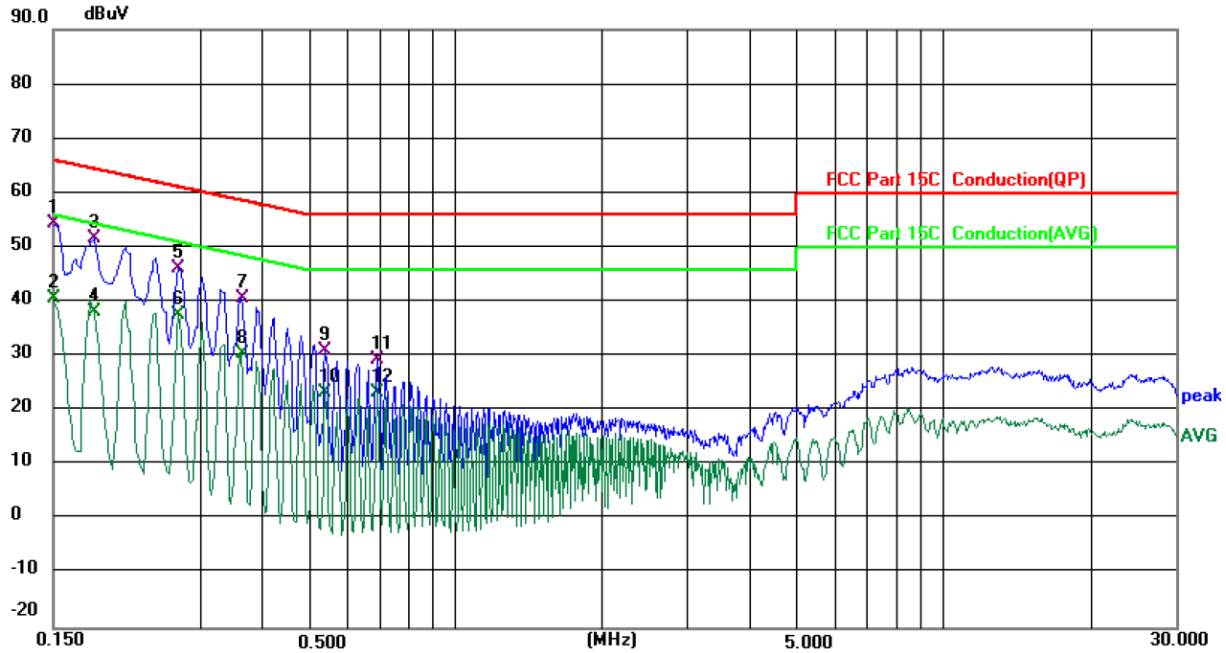
Limit (dBµV) = Limit stated in standard

Margin (dB) = Measurement (dBµV) – Limits (dBµV)

Q.P. =Quasi-Peak, AVG =average

** is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz*

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room | Phase: *N* | Temperature: 23.3 (℃) | Humidity: 50 %

Limit: FCC Part 15C Conduction(QP) | Power: DC 5V(Adapter Input AC 120V/60Hz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	44.33	9.94	54.27	66.00	-11.73	QP	
2		0.1500	30.64	9.94	40.58	56.00	-15.42	AVG	
3		0.1819	41.66	9.93	51.59	64.40	-12.81	QP	
4		0.1819	28.24	9.93	38.17	54.40	-16.23	AVG	
5		0.2700	36.30	9.93	46.23	61.12	-14.89	QP	
6		0.2700	27.68	9.93	37.61	51.12	-13.51	AVG	
7		0.3619	30.69	9.94	40.63	58.68	-18.05	QP	
8		0.3619	20.44	9.94	30.38	48.68	-18.30	AVG	
9		0.5420	21.01	9.93	30.94	56.00	-25.06	QP	
10		0.5420	13.34	9.93	23.27	46.00	-22.73	AVG	
11		0.6900	19.48	9.94	29.42	56.00	-26.58	QP	
12		0.6900	13.37	9.94	23.31	46.00	-22.69	AVG	

Note:

Freq. = Emission frequency in MHz
Reading level (dBµV) = Receiver reading
Corr. Factor (dB) = LISN factor + Cable loss
Measurement (dBµV) = Reading level (dBµV) + Corr. Factor (dB)
Limit (dBµV) = Limit stated in standard
Margin (dB) = Measurement (dBµV) – Limits (dBµV)
Q.P. =Quasi-Peak
AVG =average
** is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz*

5.3. Radiated Emission Measurement

5.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.225
Test Method:	ANSI C63.10:2020
Frequency Range:	9 kHz to 1000 MHz
Measurement Distance:	3 m
Antenna Polarization:	Horizontal & Vertical

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
150kHz-30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value

Limit:

FCC Part15 C Section 15.225

Frequency (MHz)	Limit (uV/m @30m)	Limit (dBuV/m @3m)	Detector
13.110-13.410	106	80.5	QP
13.410-13.553	334	90.5	QP
13.553-13.567	15848	124.0	QP
13.567-13.710	334	90.5	QP
13.710-14.010	106	80.5	QP

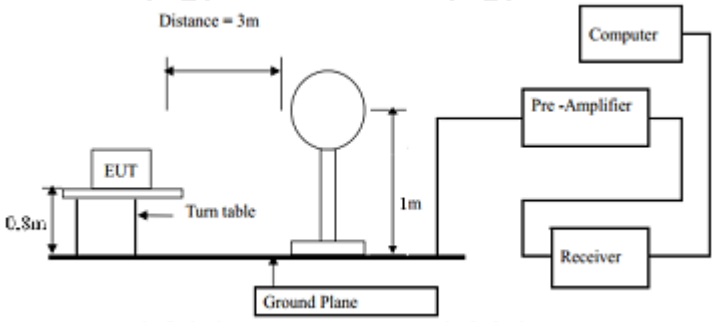
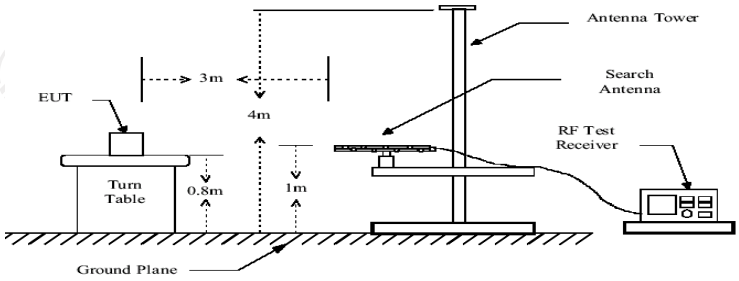
Note: *RF Voltage (dBuV) = 20 log RF Voltage (uV)*
Limit (dBuV/m @3m) = 20log(Limit (uV/m @30m)) + 40

FCC Part15 C Section 15.209

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)	Detector
0.009-0.490	3	20log 2400/F (kHz) + 80	QP
0.490-1.705	3	20log 24000/F (kHz) + 40	QP
1.705-30	3	20log 30 + 40	QP
30-88	3	40.0	QP
88-216	3	43.5	QP
216-960	3	46.0	QP
Above 960	3	54.0	QP

Note:

1. *RF Voltage (dBuV) = 20 log RF Voltage (uV)*
2. *In the Above Table, the tighter limit applies at the band edges.*
3. *Distance refers to the distance in meters between the measuring instrument antenna and the EUT*
4. *The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.*
5. *If measurement is made at 3m distance, then F.S Limitation at 3m distance is adjusted by using the formula Ld1 = Ld2 * (d2/d1)*

Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber in below 1GHz. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test setup:	For radiated emissions below 30MHz  30MHz to 1GHz 
Test Mode:	Refer to section 3.1 for details

Test results:	PASS

5.3.2. Test Instruments

Radiated Emission Test Site (966)				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
EMI Test Receiver	R&S	ESCI7	100529	Jan. 20, 2026
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 26, 2025
Pre-amplifier	SKET	LNPA_0118G-45	SK2021012102	Jan. 20, 2026
Pre-amplifier	SKET	LNPA_1840G-50	SK202109203500	Jan. 20, 2026
Pre-amplifier	HP	8447D	2727A05017	Jun. 26, 2025
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 26, 2025
Broadband Antenna	Schwarzbeck	VULB9163	340	Jun. 28, 2025
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 28, 2025
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Jan. 22, 2026
Coaxial cable	SKET	RE-03-D	/	Jun. 26, 2025
Coaxial cable	SKET	RE-03-M	/	Jun. 26, 2025
Coaxial cable	SKET	RE-03-L	/	Jun. 26, 2025
Coaxial cable	SKET	RE-04-D	/	Jun. 26, 2025
Coaxial cable	SKET	RE-04-M	/	Jun. 26, 2025
Coaxial cable	SKET	RE-04-L	/	Jun. 26, 2025
Antenna Mast	Keleto	RE-AM	/	/
EMI Test Software	EZ_EMC	FA-03A2 RE+	1.1.4.2	/

5.3.3. Test Data

Field Strength of Fundamental

Frequency (MHz)	Emission (dBuV/m)	Limits (dBuV/m)	Detector	Margin (dB)
13.56	69.50	124.0	QP	-54.50

Field Strength Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz

Frequency (MHz)	Emission Level dBuV/m@3m	Emission Level dBuV/m@30m	Limits dBuV/m@30m	Result
13.434	68.88	28.88	50.47	PASS
13.651	67.85	27.85	50.47	PASS

Field Strength Within the bands 13.110-13.410 MHz and 13.710-14.010

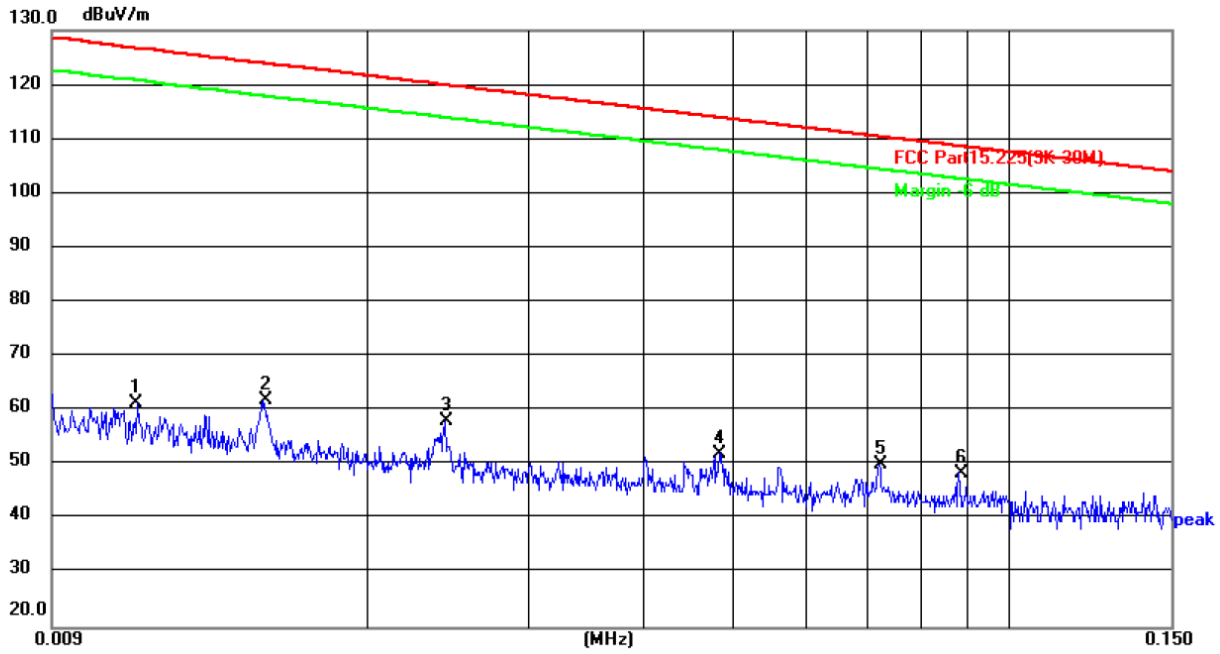
Frequency (MHz)	Emission Level dBuV/m@3m	Emission Level dBuV/m@30m	Limits dBuV/m@30m	Result
13.256	66.24	26.24	40.50	PASS
13.985	67.11	27.11	40.50	PASS

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Spurious Emissions

9KHz-30MHz

9KHz-150KHz:

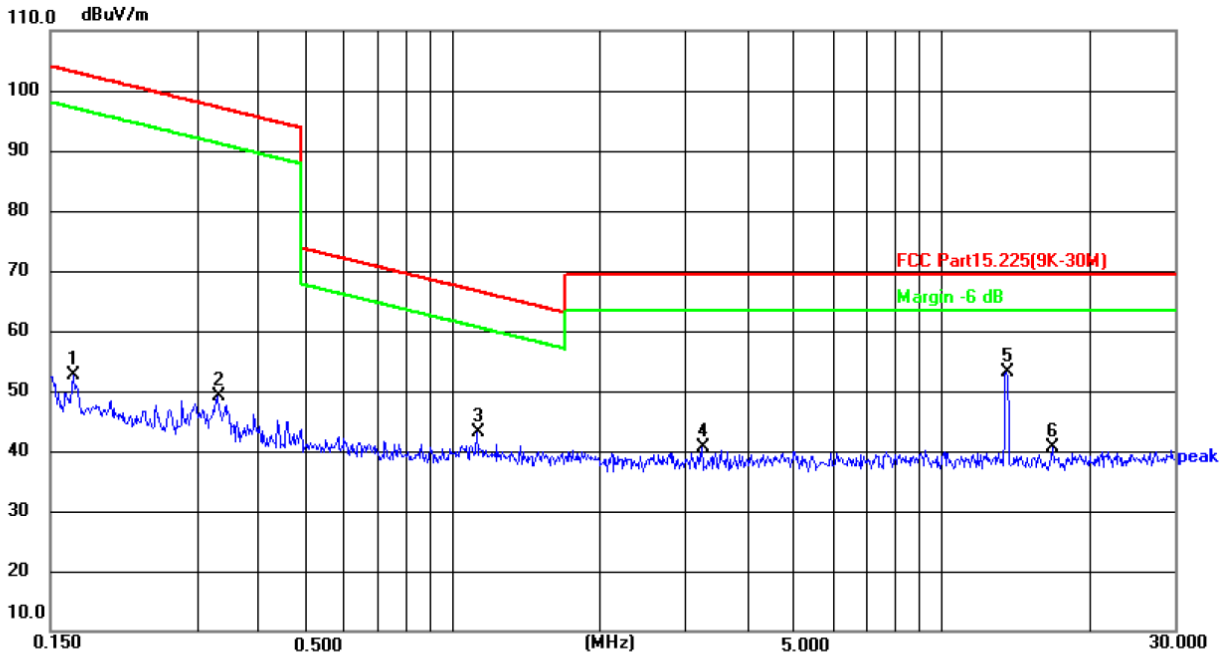


Site: 3m Anechoic Chamber Polarization: ***Coaxial*** Temperature: 22.7(℃) Humidity: 50 %

Limit: FCC Part15.225(9K-30M) Power:DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	0.0111	40.84	20.53	61.37	126.70	-65.33	peak	P	
2	0.0153	41.34	20.55	61.89	123.91	-62.02	peak	P	
3	0.0241	37.61	20.56	58.17	119.96	-61.79	peak	P	
4	0.0481	31.58	20.35	51.93	113.96	-62.03	peak	P	
5	0.0721	29.82	20.28	50.10	110.45	-60.35	peak	P	
6 *	0.0880	28.20	20.40	48.60	108.71	-60.11	peak	P	

150KHz-30MHz:



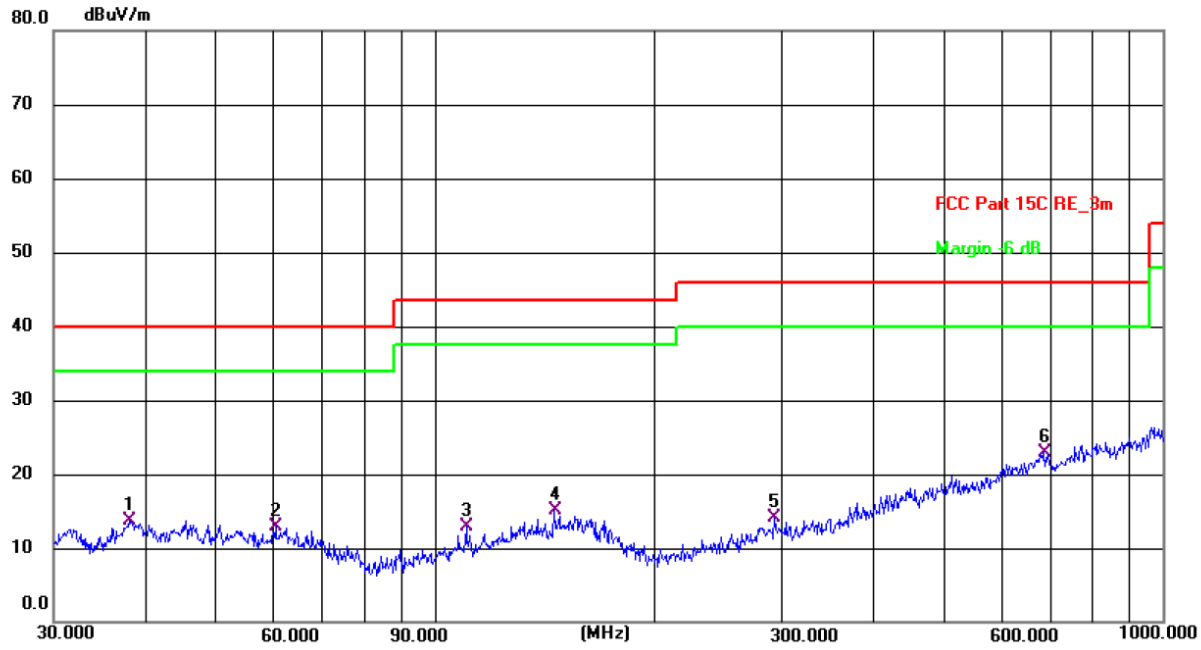
Site: 3m Anechoic Chamber Polarization: ***Coaxial*** Temperature: 22.7(℃) Humidity: 50 %

Limit: FCC Part15.225(9K-30M) Power:DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	0.1672	31.84	20.76	52.60	103.14	-50.54	peak	P	
2	0.3302	28.05	21.05	49.10	97.23	-48.13	peak	P	
3	1.1213	20.49	22.61	43.10	66.63	-23.53	peak	P	
4	3.2358	13.68	26.98	40.66	69.50	-28.84	peak	P	
5 *	13.5795	32.57	20.46	53.03	69.50	-16.47	peak	P	
6	16.8475	20.14	20.46	40.60	69.50	-28.90	peak	P	

Note *: 1) Emission Level=Peak Reading + Correction Factor;*
Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

Horizontal:

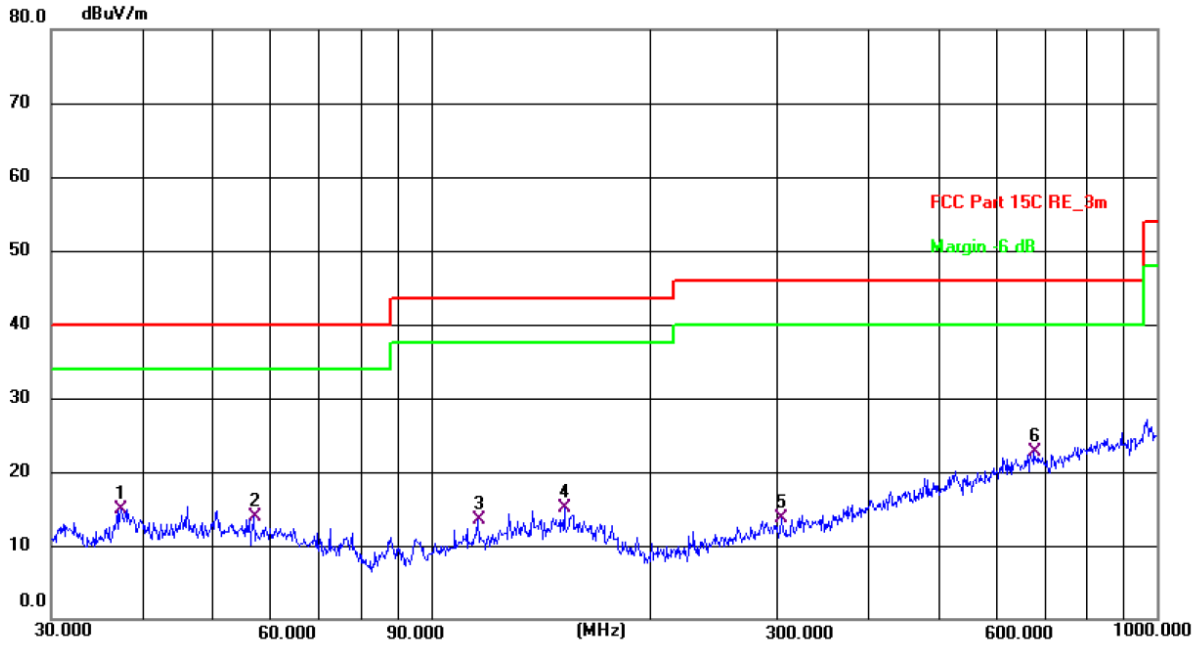


Site 3m Anechoic Chamber2 Polarization: ***Horizontal*** Temperature: 22.5(C) Humidity: 51 %

Limit: FCC Part 15C RE_3m Power: DC 3.7V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	38.0783	32.38	-18.77	13.61	40.00	-26.39	QP	P	
2	60.4919	31.80	-18.97	12.83	40.00	-27.17	QP	P	
3	110.5687	33.19	-20.29	12.90	43.50	-30.60	QP	P	
4	145.8611	32.74	-17.63	15.11	43.50	-28.39	QP	P	
5	293.0842	31.74	-17.68	14.06	46.00	-31.94	QP	P	
6 *	687.1507	31.42	-8.44	22.98	46.00	-23.02	QP	P	

Vertical:



Site 3m Anechoic Chamber2 Polarization: ***Vertical*** Temperature: 22.5(C) Humidity: 51 %

Limit: FCC Part 15C RE_3m Power: DC 3.7V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	37.4164	33.70	-18.87	14.83	40.00	-25.17	QP	P	
2	56.9912	32.85	-18.86	13.99	40.00	-26.01	QP	P	
3	116.1321	33.48	-19.90	13.58	43.50	-29.92	QP	P	
4	152.6641	32.22	-17.10	15.12	43.50	-28.38	QP	P	
5	304.6099	31.44	-17.73	13.71	46.00	-32.29	QP	P	
6 *	677.5798	30.92	-8.28	22.64	46.00	-23.36	QP	P	

Note *: 1) Emission Level=Peak Reading + Correction Factor;*
Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

5.4. Occupied Bandwidth

5.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.215(c)
Test Method:	ANSI C63.10: 2020
Limit:	N/A
Test Procedure:	1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW≥1% of the 20 dB bandwidth; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. 4. Measure and record the results in the test report.
Test setup:	
Test Mode:	Refer to section 3.1 for details
Test results:	PASS

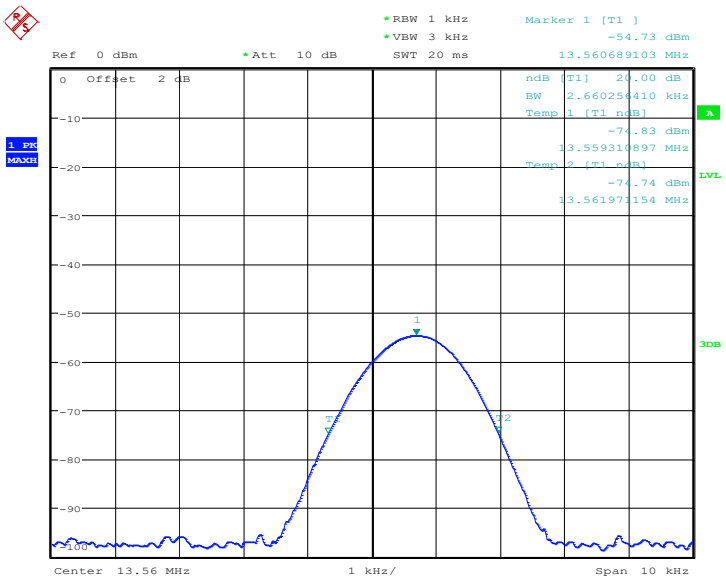
5.4.2. Test Instruments

RF Test Room				
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
Spectrum Analyzer	R&S	FSU	200054	Jun. 26, 2025

5.4.3. Test data

Frequency(MHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion
13.56	2.66	---	PASS

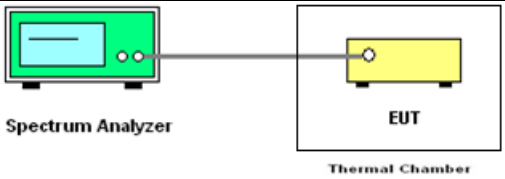
Test plots as follows:



Date: 19.FEB.2025 15:46:27

5.5. Frequency stability

5.5.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.225
Test Method:	ANSI C63.10:2020
Operation mode:	Refer to item 3.1
Limit:	+/-0.01%
Test Setup:	
Test Procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a spectrum analyzer. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20℃ operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to -20℃. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10℃ increased per stage until the highest temperature of +55℃ reached. 7. Repeat step measure with a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C
Test Result:	PASS

5.5.2. Test Instruments

RF Test Room				
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
Spectrum Analyzer	R&S	FSU	200054	Jun. 26, 2025
DC power supply	Kingrang	KR3005K	/	Jun. 26, 2025

5.5.3. Test Data

Voltage (Vdc)	Temperature (℃)	Frequency (MHz)	Deviation (%)	Limit (%)
3.7	-20	13.560689	0.00508	+/-0.01%
3.7	-10	13.560685	0.00505	
3.7	0	13.560682	0.00503	
3.7	10	13.560680	0.00501	
3.7	20	13.560679	0.00501	
3.7	30	13.560677	0.00499	
3.7	40	13.560673	0.00496	
3.7	50	13.560672	0.00496	
3.7	55	13.560670	0.00494	
4.26	20	13.560674	0.00497	
3.15	20	13.560676	0.00499	

Appendix B: Photographs of Test Setup

Please refer to document Appendix No.: TCT250218E006-A

Appendix C: Photographs of EUT

Please refer to document Appendix No.: TCT250218E006-B & TCT250218E006-C

********END OF REPORT********