

TESTING CENTRE TE				
	TEST REPOR	T		
FCC ID:	OKUBS2909A			
Test Report No::	TCT250609E005			
Date of issue::	Jul. 22, 2025			
Testing laboratory:	SHENZHEN TONGCE TESTING	G LAB		
Testing location/ address:	2101 & 2201, Zhenchang Factor Fuhai Subdistrict, Bao'an District 518103, People's Republic of Ch	t, Shenzhen, Guangdong,		
Applicant's name::	Shenzhen Junlan Electronic Ltd			
Address:	No.277 PingKui Road, Shijing C Pingshan New District, Shenzhe			
Manufacturer's name:	Shenzhen Junlan Electronic Ltd			
Address:	No.277 PingKui Road, Shijing Community, Pingshan Office, Pingshan New District, Shenzhen, China			
Standard(s):	FCC CFR Title 47 Part 15 Subpa	art C Section 15.231		
Product Name::	Key finder			
Trade Mark:	Amazon Basics			
Model/Type reference:	TTIF06A, BS-2909, B0CDLQ7ZI replaced by letter from "A" to " Z	L4, TTIF06XX (XX can be ", number from"0" to "9" or blank.)		
Rating(s)::	DC 3V			
Date of receipt of test item:	Jun. 09, 2025			
Date (s) of performance of test:	Jun. 09, 2025 ~ Jul. 22, 2025			
Tested by (+signature) :	Ronaldo LUO	R-naliza evage		
Check by (+signature):	Beryl ZHAO	Boyl 12 TCT)		
Approved by (+signature):	Tomsin	Joms it's		

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

	I Product Inform					
1.1. EUT	description					3
1.2. Mod	lel(s) list					3
2. Test Re	esult Summary					4
	I Information					
3.1. Test	t Environment and I	Mode				5
3.2. Des	cription of Support	Units		<u>, (a)</u>		5
4. Facilitie	es and Accredita	tions				6
4.1. Fạci	ilities					6
4.2. Loc	ation	<u>()</u>	(0)		(0)	6
5. Measur	rement Uncertain	ıty				6
6. Test Re	esults and Measu	rement Data				7
6.1. Ante	enna Requirement					7
6.2. Con	ducted Emission					8
6.3. Field	d Strength of Funda	mental and Rac	liated Emiss	ion		9
6.4. Man	ually Activated Trai	nsmitter				21
6.5. -20 d	IB Bandwidth					23
Appendix A	A: Photographs o	of Test Setup				
Appendix I	B: Photographs o	of EUT				



1. General Product Information

1.1. EUT description

Product Name:	Key finder	
Model/Type reference:	TTIF06A	
Sample Number:	TCT250609E005-0101	
Operation Frequency:	433.92MHz	
Modulation Technology:	FSK	
Antenna Type:	FPC Antenna	
Antenna Gain:	-2.22dBi	
Rating(s):	DC 3V	

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

No.	Model No.	Tested with
1	TTIF06A	
Other models	BS-2909, B0CDLQ7ZL4, TTIF06XX (XX can be replaced by letter from "A" to " Z", number from"0" to "9" or blank.)	
Note: TTIF06A is tes	sted model, other models are derivative models. The models are identical	in circuit and PCB

Note: TTIF06A is tested model, other models are derivative models. The models are identical in circuit and PCB layout, different on the model names. So the test data of TTIF06A can represent the remaining models.



Page 3 of 25

Report No.: TCT250609E005

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



2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna Requirement	§15.203	PASS
Conduction Emission, 0.15MHz to 30MHz	§15.207	N/A
Manually Activated Transmitter	§15.231(a)	PASS
Radiation Emission	§15.231(b), §15.205, §15.209, §15.35	PASS
Field Strength of Fundamental	§15.231(b), §15.205, §15.209, §15.35	PASS
-20dB Bandwidth	§15.231(c)	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.





3. General Information

3.1. Test Environment and Mode

Operating Environment:	
Condition	Radiated Emission
Temperature:	23.6 °C
Humidity:	49 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Operation mode:	Keep the EUT in single modulation transmission

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 (Y axis) are shown in Test Results of the following pages.

Per-test mode.

We have verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

Axis	X	Υ	Z
Field Strength(dBuV/m)	52.47	55.31	52.59

Final Test Mode:

According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup": Y axis (see the test setup photo)

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
1	1	1	/	1

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.

Report No.: TCT250609E005



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.

• A2LA-No.: 4320.01

SHENZHEN TONGCE TESTING LAB

The testing lab has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

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

5. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, 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	± 1.08 dB
3	Spurious emissions, conducted	± 2.94 dB
4	Occupied Bandwidth	± 0.25 KHz
5	All emissions, radiated(<1 GHz)	± 4.56 dB
6	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB
7	All emissions, radiated(18 GHz- 40 GHz)	± 4.36 dB
8	Temperature	± 0.1°C
9	Humidity	± 1.0%

Report No.: TCT250609E005



6. Test Results and Measurement Data

6.1. Antenna Requirement

Standard requirement:

FCC Part15 C Section 15.203

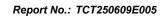
15.203 requirement:

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.

E.U.T Antenna:

The antenna is FPC antenna which permanently attached, and the best case gain of the antenna is -2.22dBi







6.2. Conducted Emission

6.2.1. Test Specification

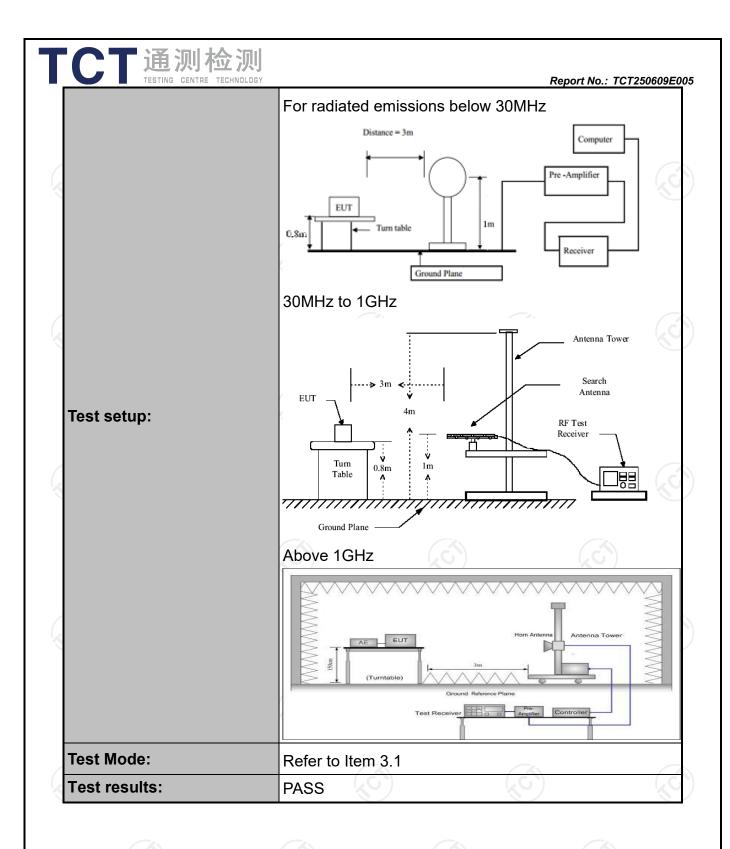
<u> </u>				
Test Requirement:	FCC Part15 C Section 15.207			
Test Method:	ANSI C63.10:2020			
Frequency Range:	150 kHz to 30 MHz	<u>(()</u>	(C)	
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	e=auto	
	Frequency range	Limit (dBuV)	
	(MHz)	Quasi-peak	Average	
Limits:	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5	56	46	
	5-30	60	50	
	Reference	e Plane	1201	
Test Setup: Test Mode:	Remark: E.U.T AC power Test table/Insulation plane Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m			
Test Procedure:	 Charging + Transmitting Mode The E.U.T and simulators are 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. 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). 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:	Power supply is button battery, not applicable			



6.3. Field Strength of Fundamental and Radiated Emission

6.3.1. Test Specification

Test Requirement:	FCC Part15	FCC Part15 C Section 15.231(b) and 15.209			
Test Method:	ANSI C63.10	ANSI C63.10:2020			
Frequency Range:	9 kHz to 5 G	9 kHz to 5 GHz			
Measurement Distance:	3 m	(,c			(3)
Antenna Polarization:	Horizontal &	Vertical			
Receiver Setup:	Frequency 9kHz- 150kHz 150kHz- 30MHz 30MHz-1GHz Above 1GHz	Detector Quasi-peak Quasi-peak Quasi-peak Peak Peak	RBW 200Hz 9kHz 120KHz 1MHz 1MHz	VBW 1kHz 30kHz 300KHz 3MHz 10Hz	Remark Quasi-peak Value Quasi-peak Value Quasi-peak Value Peak Value Average Value
Test Procedure:	meters a below 10 1GHz. T determine 2. The EU interferen on the top 3. The anter meters at value of vertical p the meas 4. For each s to its wor heights from table was find the m 5. The test-Function Hold Moo 6. If the emi 10dB lower be stopped reported. 0 10dB marks and the marks are to the stopped reported. 0 10dB marks and the marks are the stopped reported. 0 10dB marks are the stopped reported. 0 10dB marks are the stopped to the stopped reported. 0 10dB marks are the stopped to the stopped reported. 0 10dB marks are the stopped to the	bove the game of the position of a variation of a v	ground and above was room of the et 3 ming antening ble-height is varied ound to do strength as of the above ading. If yetem wified Band of the Elimit specified Band the emission of the Elimit specified be re-terily average re-terily average re-terily above as the emission of the Elimit specified Band the emission of the Elimit specified be re-terily average re-terily average re-terily average re-terily average re-terily above as the emission of the Elimit specified be re-terily average re-terily above as the emission of the emission o	the grotated 36 highest eters and which the EU enternance of the estandard the estanda	otating table 0.8 leter camber in bund in above 50 degrees to radiation. way from the h was mounted





6.3.2. Limit

Fundamental Frequency (MHz)		Filed Strength of Fundamental (microvolts/meter)	Filed Strength of Spurious Emission (microvolts/meter)
	40.66-40.70	2250	225
	70-130	1250	125
(2	130-174	1250 to 3750*	125 to 375*
	174-260	3750	375
T&\	260-470	3750 to 12500*	375 to 1250*
G)	Above 470	12500	1250

^{*}Linear interpolations

Horn Antenna

[Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows:

Schwarzbeck

For the band 130-174 MHz, μ V/m at 3 meters = 56.81818(F) - 6136.3636; for the band 260-470 MHz, μ V/m at 3 meters = 41.6667(F) - 7083.3333. The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.

For EUT /

Fundamental Frequency (MHz)	Filed Strength of Fundamental (dBµV/m)	Filed Strength of Spurious Emission(dBµV/m)
433.92	80.83	60.83

Note:

- Intentional radiators operating under the provisions of this Section shall demonstrate compliance with the limits on the field strength of emissions, as shown in the above table, based on the average value of the measured emissions.
- 2.According to 15.35, on any frequency or frequencies below or equal to 1000 MHz, the limits Shown are based on measuring equipment employing a CISPR quasi-peak detector function and related measurement bandwidths, unless otherwise specified the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test.
- 3. According to 15.231(b), The limits on the field strength of the spurious emissions in the above table is based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in Section 15.209, whichever limit permits one higher field strength.

Report No.: TCT250609E005

BBHA 9120D



Frequencies in restricted band are complied to limit on Paragraph 15.209

Fre	quency Range (MHz)	Distance (m)	Field strength (dBμV/m)
	0.009-0.490	3	20log 2400/F (kHz) + 80
	0.490-1.705	3	20log 24000/F (kHz) + 40
	1.705-30	3	20log 30 + 40
	30-88	3 (3)	40.0
	88-216	3	43.5
	216-960	3	46.0
(0)	Above 960	3	54.0

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)





6.3.3. Test Instruments

Radiated Emission Test Site (966)											
Equipment	Manufacturer	Model	Serial Number	Date of Cal.	Due Date						
EMI Test Receiver	R&S	ESCI7	100529	Jan. 21, 2025	Jan. 20, 2026						
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 27, 2024	Jun. 26, 2025						
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 26, 2025	Jun. 25, 2026						
Pre-amplifier	HP	8447D	2727A05017	Jun. 27, 2024	Jun. 26, 2025						
Pre-amplifier	HP	8447D	2727A05017	Jun. 26, 2025	Jun. 25, 2026						
Pre-amplifier	SKET	LNPA_0118G-45	SK2021012102	Jan. 21, 2025	Jan. 20, 2026						
Pre-amplifier	SKET	LNPA_1840G-50	SK202109203500	Jan. 21, 2025	Jan. 20, 2026						
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 27, 2024	Jun. 26, 2025						
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 26, 2025	Jun. 25, 2026						
Broadband Antenna	Schwarzbeck	VULB9163	340	Jun. 29, 2024	Jun. 28, 2025						
Broadband Antenna	Schwarzbeck	VULB9163	340	Jun. 26, 2025	Jun. 25, 2026						
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 29, 2024	Jun. 28, 2025						
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 26, 2025	Jun. 25, 2026						
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Jan. 23, 2025	Jan. 22, 2026						
Coaxial cable	SKET	RE-03-D		Jun. 27, 2024	Jun. 26, 2025						
Coaxial cable	SKET	RE-03-D	(40)	Jun. 26, 2025	Jun. 25, 2026						
Coaxial cable	SKET	RE-03-M	/	Jun. 27, 2024	Jun. 26, 2025						
Coaxial cable	SKET	RE-03-M	/	Jun. 26, 2025	Jun. 25, 2026						
Coaxial cable	SKET	RE-03-L	1	Jun. 27, 2024	Jun. 26, 2025						
Coaxial cable	SKET	RE-03-L	1	Jun. 26, 2025	Jun. 25, 2026						
Coaxial cable	SKET	RE-04-D	(0)	Jun. 27, 2024	Jun. 26, 2025						
Coaxial cable	SKET	RE-04-D	/	Jun. 26, 2025	Jun. 25, 2026						
Coaxial cable	SKET	RE-04-M	1	Jun. 27, 2024	Jun. 26, 2025						
Coaxial cable	SKET	RE-04-M	1	Jun. 26, 2025	Jun. 25, 2026						
Coaxial cable	SKET	RE-04-L	1	Jun. 27, 2024	Jun. 26, 2025						

	通测检测
	TESTING CENTRE TECHNOLOGY

Report No.: TCT250609E005 Coaxial cable SKET Jun. 26, 2025 Jun. 25, 2026 RE-04-L / Antenna Mast Keleto RE-AM **EMI Test** EZ_EMC FA-03A2 RE+ 1.1.4.2 / Software



6.3.4. Test Data

Duty Cycle Test Data

433.92MHz:

Total time (ms)	Effective time (ms)	Duty Cycle	AV Factor(dB)
5.83	2.98	0.38	-5.83

Note:

Effective time= 0.17*6+0.49*4=2.98ms Duty Cycle= Effective time/ Total time=0.51 AV Factor = 20 log(Duty Cycle)= -5.83





Field Strength of Fundamental

Frequency (MHz)	Emission PK (dBuV/m)	Horizontal /Vertical	Limits PK (dBuV/m)	Margin (dB)
433.92	77.76	Н	100.83	-23.05
433.92	77.59	V	100.83	-23.22

Frequency (MHz)	Emission PK (dBuV/m)	AV Factor(dB)	Horizontal /Vertical	Emission AVG (dBuV/m)	Limits AV (dBuV/m)	Margin (dB)
433.92	77.76	-5.83	(C) H	71.93	80.83	-8.90
433.92	77.59	-5.83	V	71.76	80.83	-9.07

Harmonics and Spurious Emissions

Frequency Range (9 kHz-30MHz)

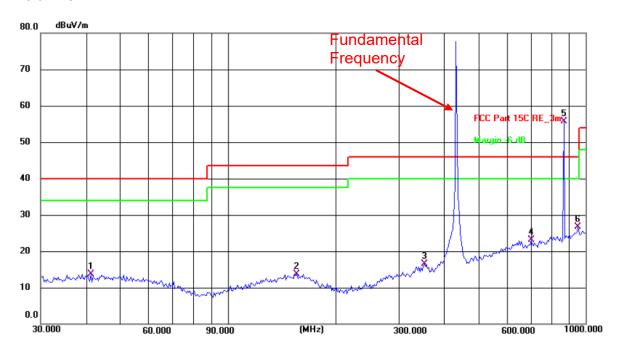
Frequency (MHz)	Level@3m (dBµV/m)	Limit@3m (dBµV/m)			
(0) ((0)	(C)				
	<u>-</u>				
	<u>-</u>	7			

Note: 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement



Below 1GHz



Site: 3m Anechoic Chamber1 Polarization: Horizontal Temperature: 23.6(C) Humidity: 49 %

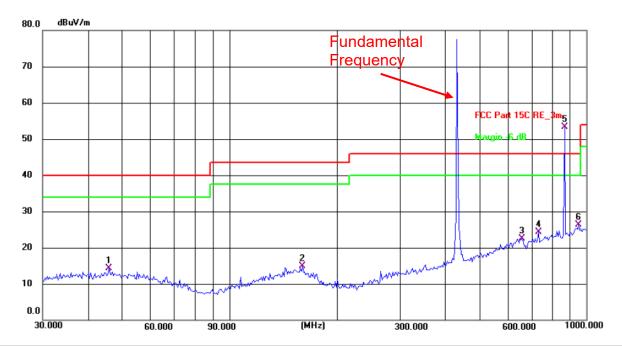
Power: DC 3V

Limit: FCC Part 15C RE_3m

		_							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	41.4215	25.71	-12.06	13.65	40.00	-26.35	QP	Р	
2	155.9100	24.86	-11.09	13.77	43.50	-29.73	QP	Р	
3	354.1831	26.60	-10.13	16.47	46.00	-29.53	QP	Р	
4	704.2259	27.27	-4.20	23.07	46.00	-22.93	QP	Р	
5 *	869.1300	57.56	-1.86	55.70	46.00	9.70	QP	F	
6	952.0937	26.45	0.28	26.73	46.00	-19.27	QP	Р	







Site: 3m Anechoic Chamber1 Polarization: Vertical Temperature: 23.6(C) Humidity: 49 %

Limit: FCC Part 15C RE_3m

Power: DC 3V

	1		- 71			\			
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	46.0162	26.51	-12.30	14.21	40.00	-25.79	QP	Р	
2	160.3454	26.25	-11.37	14.88	43.50	-28.62	QP	Р	
3	661.1503	26.46	-3.95	22.51	46.00	-23.49	QP	Р	
4	734.4913	28.09	-3.85	24.24	46.00	-21.76	QP	Р	
5 *	869.1300	55.11	-1.86	53.25	46.00	7.25	QP	F	
6	952.0937	26.11	0.28	26.39	46.00	-19.61	QP	Р	

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Freq. = Emission frequency in MHz

Measurement $(dB\mu V/m)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

Correction Factor = Antenna Factor + Cable loss – Pre-amplifier

 $Limit (dB\mu V/m) = Limit stated in standard$

Margin (dB) = Measurement (dB μ V/m) – Limits (dB μ V/m)

* is meaning the worst frequency has been tested in the test frequency range second harmonic

- 3. The limit value of the fundamental frequency is 100.83dBuV/m.
- 4. The determination of second harmonic is shown in the two tables below.





Frequency (MHz)	Emission PK (dBuV/m)	AV Factor(dB)	Horizontal /Vertical	Emission AVG (dBuV/m)	Limits PK (dBuV/m)	Margin (dB)
867.84	55.70	1	H	1(0)	80.83	-25.13
867.84	53.25	1	V	1	80.83	-27.58

Frequency (MHz)	Emission PK (dBuV/m)	AV Factor(dB)	Horizontal /Vertical	Emission AVG (dBuV/m)	Limits AV (dBuV/m)	Margin (dB)
867.84	55.70	-5.83	Н	49.87	60.83	-10.96
867.84	53.25	-5.83	V	47.42	60.83	-13.41





Above 1GHz (PK value)

Frequency PK Value (MHz)	Read Level PK (dBuV)	Correction Factor (dB/m)	Level PK (dBuV/m)	Limit Line PK (dBuV/m)	Over Limit (dB)	Polarization
1301.76	59.71	-18.59	41.12	74.00	-32.88	Vertical
1735.68	50.93	-18.14	32.79	80.83	-48.04	Vertical
2169.60	48.39	-17.61	30.78	80.83	-50.05	Vertical
2603.52	45.82	-16.45	29.37	80.83	-51.46	Vertical
3037.44	46.00	-14.84	31.16	80.83	-49.67	Vertical
3471.36	44.18	-14.17	30.01	80.83	-50.82	Vertical
1301.76	58.64	-18.59	40.05	74.00	-33.95	Horizontal
1735.68	50.66	-18.14	32.52	80.83	-48.31	Horizontal
2169.60	48.79	-17.61	31.18	80.83	-49.65	Horizontal
2603.52	45.67	-16.45	29.22	80.83	-51.61	Horizontal
3037.44	45.02	-14.84	30.18	80.83	-50.65	Horizontal
3471.36	42.45	-14.17	28.28	80.83	-52.55	Horizontal

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (dB μ V/m)- limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 5. Data of measurement shown " * " in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.







6.4. Manually Activated Transmitter

6.4.1. Test Specification

	/ A) / A	
FCC Part15 C Section 15.231(a)(1)		
ANSI C63.10:2020		
According to 15.231(a), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.		
 According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. Set to the maximum power setting and enable the EUT transmit continuously. Use the following spectrum analyzer settings. RBW = 100KHz, VBW≥RBW; Span = 0; Sweep Time > T(on)+5S; Detector function = peak; 		
Spectrum Analyzer	EUT (
Refer to Item 3.1		
PASS		
	ANSI C63.10:2020 According to 15.231(a), A man shall employ a switch that will the transmitter within not more released. 1. According to the follow Test position between the artification of the position between the artification of the position between the artification of the following spectrum and the following spectrum and the following spectrum and spectrum and spectrum of the following spectrum of the following spectrum and spectrum of the following	

6.4.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial Number	Date of Cal.	Due Date
Spectrum Analyzer	R&S	FSU	200054	Jun. 27, 2024	Jun. 26, 2025
Spectrum Analyzer	R&S	FSU	200054	Jun. 26, 2025	Jun. 25, 2026



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



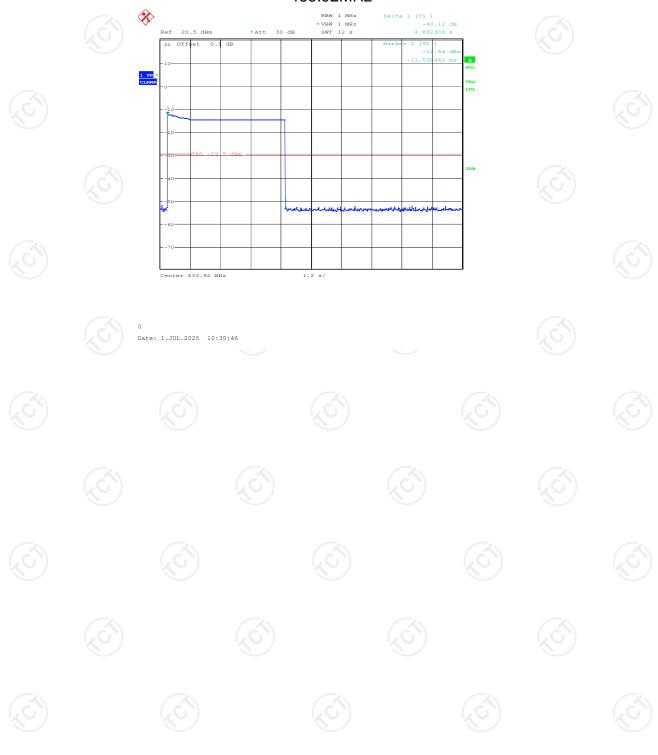
6.4.3. Test data

Report No.:	TCT250609E005

Test Channel (MHz)	Manually Activated Transmitter (s)	Limit (s)	Conclusion	
433.92	4.69	5	PASS	

Test plots as follows:

433.92MHz





6.5. -20dB Bandwidth

6.5.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.231C			
Test Method:	ANSI C63.10:2020			
Limit:	According to 15.231(c), The bandwidth of the emission shall be no wider than 0.25% of the centre frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the centre frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.			
Test Procedure:	 According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. Set to the maximum power setting and enable the EUT transmit continuously. Use the span range for the EMI receiver or spectrum analyzer shall be between two times and five times the -20dB Bandwidth The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the -20dB Bandwidth and video bandwidth (VBW) shall be at least three times RBW. 			
Test setup:	Spectrum Analyzer EUT			
Test Mode:	Refer to Item 3.1			
Test results:	PASS			

6.5.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial Number	Date of Cal.	Due Date
Spectrum Analyzer	R&S	FSU	200054	Jun. 27, 2024	Jun. 26, 2025
Spectrum Analyzer	R&S	FSU	200054	Jun. 26, 2025	Jun. 25, 2026

Report No.: TCT250609E005



6.5.3. Test data

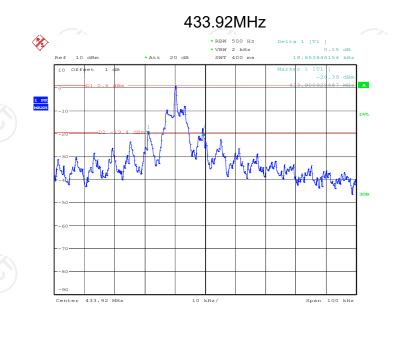
Report No.: TCT250609E005

Test Channel (MHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion	
433.92	18.65	1084.80	PASS	

Note: Limit = 433.92MHz *0.25% = 1084.80 kHz

Date: 21.JUL.2025 17:13:38

Test plots as follows:









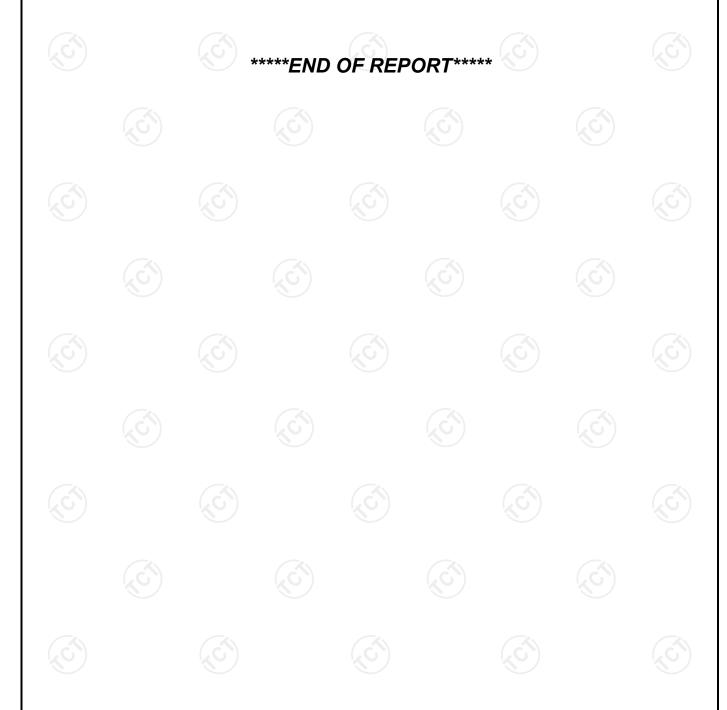


Appendix A: Photographs of Test Setup

Please refer to document Appendix No.: TCT250609E005-A

Appendix B: Photographs of EUT

Please refer to document Appendix No.: TCT250609E005-B & TCT250609E005-C



Page 25 of 25

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