		DT			
	TEST REPO	<u>RI</u>			
FCC ID :	2BFEP-DBCAM7				
Test Report No:	TCT250207E032				
Date of issue:	Feb. 14, 2025				
Testing laboratory: :	SHENZHEN TONGCE TEST	ING LAB			
Testing location/ address:	2101 & 2201, Zhenchang Fa Fuhai Subdistrict, Bao'an Dis 518103, People's Republic o	trict, Shenzhen, Guang			
Applicant's name: :	CONVERGE BEAUTY LIMIT	ED			
Address:	FLAT/RM C 22/F FORD GLC STREET LAI CHI KOK KOW				
Manufacturer's name :	CONVERGE BEAUTY LIMIT	ED			
Address:	FLAT/RM C 22/F FORD GLORY PLAZA 37 WING HONG STREET LAI CHI KOK KOWLOON HONG KONG, China				
Standard(s):	FCC CFR Title 47 Part 15 Subpart C Section 15.231				
Product Name: :	Doorbell Camera		K)		
Trade Mark:	N/A				
Model/Type reference :	G50A, G20, G30, G60, G70, T60, T70, T80, T90, P60, P7		M80, M90,		
Rating(s):	Rechargeable Li-ion Battery	DC 3.7V			
Date of receipt of test item	Feb. 07, 2025				
Date (s) of performance of test:	Feb. 07, 2025 ~ Feb. 14, 202	25	6		
Tested by (+signature) :	Ronaldo LUO	Ponalox was			
Check by (+signature) :	Beryl ZHAO	Boy 2 TCT	STING		
Approved by (+signature):	Tomsin	omsitis			

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TCT通测检测 TESTING CENTRE TECHNOLOGY

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1. General Product Information

1.1. EUT description

Model/Type reference:G50ASample NumberTCT250207E005-0101Operation Frequency:433.92MHzModulation Technology:FSKAntenna TypeSpring AntennaAntenna Gain0.84dBi	Product Name:	Doorbell Camera		
Operation Frequency: 433.92MHz Modulation Technology: FSK Antenna Type: Spring Antenna	Model/Type reference:	G50A		
Modulation Technology: FSK Antenna Type: Spring Antenna	Sample Number	TCT250207E005-0101		
Antenna Type: Spring Antenna	Operation Frequency:	433.92MHz		
	Modulation Technology:	FSK		
Antenna Gain : 0.84dBi	Antenna Type:	Spring Antenna	(\mathbf{c}^{\ast})	
	Antenna Gain:	0.84dBi		
Rating(s) Rechargeable Li-ion Battery DC 3.7V	Rating(s):	Rechargeable Li-ion Battery DC	3.7V	

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.			Test	ed with
1		G50A				\square		
Other mod	leis	G20, G30, C	T60, T70,	T80, T90,	P60, P70,			
						ne remaining m		PCB layoul,
							-	e 3 of 27
<u>Hotline:</u>	400-6611	-140 Tel: 8	<u> 86-755-27673</u>	<u>3339 Fax:</u>	<u>86-755-2767</u>	<u>3332 http://</u>	www.tct-la	<u>ab.com</u>

Report No.: TCT250207E032



2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna Requirement	§15.203	PASS
Conduction Emission, 0.15MHz to 30MHz	§15.207	PASS
Manually Activated Transmitter	§15.231(a)	PASS
Radiation Emission	§15.231(b), §15.205, §15.209, §15.35	PASS
Occupied 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	Conducted Emission Radiated Emission				
Temperature:	nperature: 23.2 °C 22.7 °C				
Humidity:	49 % RH	53 % 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 (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	Y	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)

TCT通测检测 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
Adapter	ETA0U82CBC	RT10206CS/AE	1	SAMSUNG
Adapter	ETA0U82CBC	RT10206CS/AE	1	SA

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.

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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 $y \pm U$, 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	± 1.08dB
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%



5. Test Results and Measurement Data

5.1. Antenna Requirement

Standard rec	uirement:	FCC Part	15 C Section	n 15.203			
15.203 require An intentional furnished by t permanently a intentional rac can be replac connector is p	l radiator shal he responsib attached ante diator, the ma red by the use	le party shall nna or of an nufacturer m	be used wit antenna tha ay design th	h the dev t uses a u e unit so	ice. The inique cou that a broł	use of a pling to the ken antenr	е
E.U.T Antenr			S		S		S.
The antenna is the antenna is		nna which p	ermanently a	ttached,	and the be	est case ga	ain of
	10 20 30 40			unhunhu			
S)		9 04 08 0					



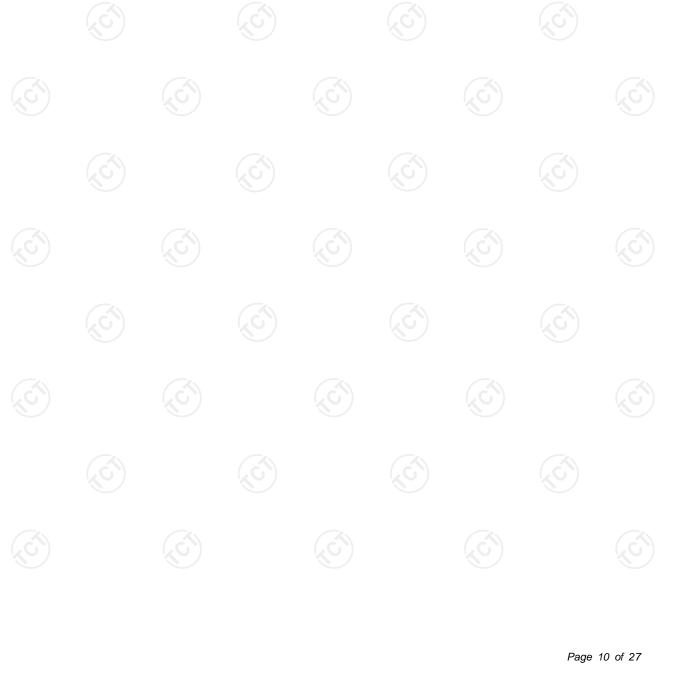
5.2. Conducted Emission

5.2.1. Test Specification

			(
Test Requirement:	FCC Part15 C Section 15.207						
Test Method:	ANSI C63.4:2014	ANSI C63.4:2014					
Frequency Range:	150 kHz to 30 MHz	150 kHz to 30 MHz					
Receiver setup:	RBW=9 kHz, VBW=30	0 kHz, Sweep time	e=auto				
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30	Limit (Quasi-peak 66 to 56* 56 60	dBuV) Average 56 to 46* 46 50				
	Reference	ce Plane	(201)				
Test Setup:	40cm E.U.T AC power 80cm LISN Test table/Insulation plane Filter AC power Remark E.U.T: Equipment Under Test EMI LISN: Line Impedence Stabilization Network Retwork Test table height=0.8m Retwork						
Test Mode:	Charging + Transmitti	ng Mode					
Test Procedure:	 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 C63.4:2014 on conducted measurement. 						

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	тст	CE-05	1	Jun. 26, 2025			
EMI Test Software	EZ_EMC	EMEC-3A1	1.1.4.2	1 60			



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5.2.1. Test data

Please refer to following diagram for individual Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz) dBuV 80.0 70 Conduction(QP) 60 Conduction(AV(50 40 30 20 10 AVG 0 -10 0.150 0.500 (MHz) 30,000 5.000

 Site 844 Shielding Room
 Phase: L1
 Temperature: 23.2 (°C)
 Humidity: 49 %

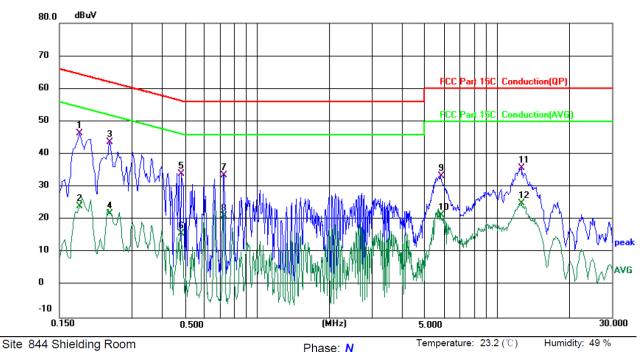
 Limit: FCC Part 15C Conduction(QP)
 Power: DC 5 V(Adapter Input AC 120 V/60 Hz)

LIM	LIMIT: FCC Part 15C Conduction(QP)				Power. DC 5 V(Adapter Input AC 120 V/60 Hz)				put AC 120 V/80 H2)
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1980	37.11	9.65	46.76	63.69	-16.93	QP	
2		0.1980	17.34	9.65	26.99	<u>53.69</u>	-26.70	AVG	
3		0.2620	33.23	9.66	42.89	61.37	-18.48	QP	
4		0.2620	15.36	9.66	25.02	51.37	-26.35	AVG	
5		0.6620	27.04	10.35	37.39	56.00	-18.61	QP	
6		0.6620	18.55	10.35	28.90	46.00	-17.10	AVG	
7		0.7940	22.72	10.50	33.22	56.00	-22.78	QP	
8		0.7940	14.03	10.50	24.53	46.00	-21.47	AVG	
9		5.8220	26.10	10.22	36.32	60.00	-23.68	QP	
10		5.8220	12.39	10.22	22.61	50.00	-27.39	AVG	
11	*	12.5619	32.81	10.30	43.11	60.00	-16.89	QP	
12		12.5619	19.56	10.30	29.86	50.00	-20.14	AVG	

Note:

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

Report No.: TCT250207E032



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

Limit: FCC Part 15C Conduction(QP)

TCT通测检测 TESTING CENTRE TECHNOLOGY

Power: DC 5 V(Adapter Input AC 120 V/60 Hz)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1819	36.83	9.64	46.47	64.40	-17.93	QP	
2		0.1819	14.52	9.64	24.16	54.40	-30.24	AVG	
3		0.2419	33.93	9.63	43.56	62.03	-18.47	QP	
4		0.2419	12.25	9.63	21.88	52.03	-30.15	AVG	
5		0.4819	23.86	10.13	33.99	56.31	-22.32	QP	
6		0.4819	5.71	10.13	15.84	46.31	-30.47	AVG	
7		0.7300	23.23	10.39	33.62	56.00	-22.38	QP	
8		0.7300	10.72	10.39	21.11	46.00	-24.89	AVG	
9		5.8179	23.06	10.15	33.21	60.00	-26.79	QP	
10		5.8179	11.15	10.15	21.30	50.00	-28.70	AVG	
11		12.5980	25.44	10.28	35.72	60.00	-24.28	QP	
12		12.5980	14.62	10.28	24.90	50.00	-25.10	AVG	

Note:

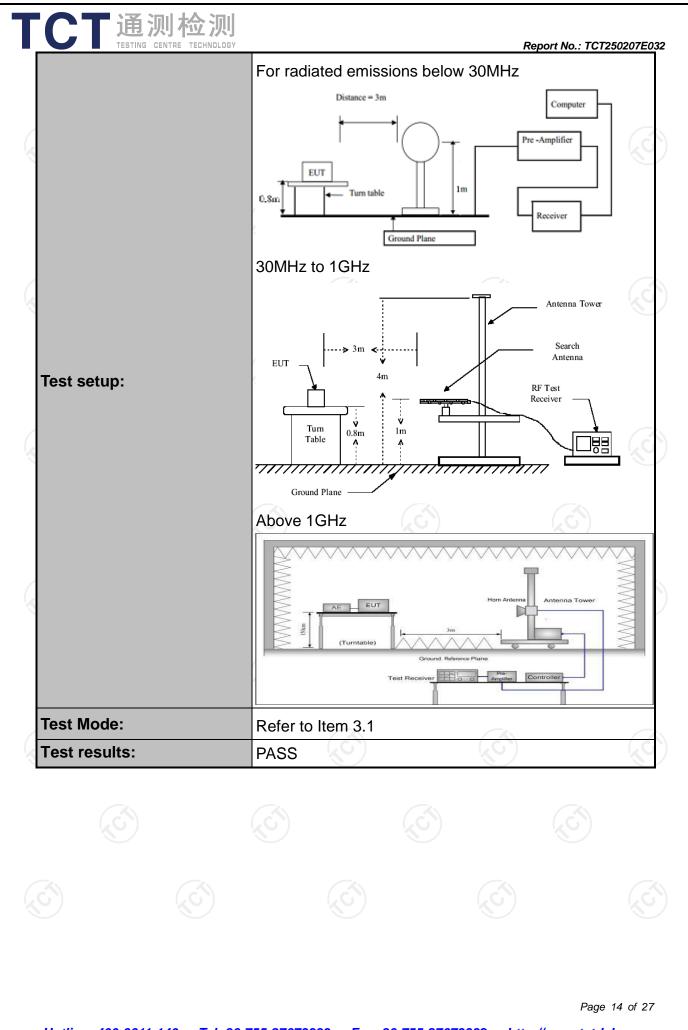
Freq. = Emission frequency in MHz Reading level $(dB\mu V)$ = Receiver reading Corr. Factor (dB) = LISN factor + Cable loss Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)Limit $(dB\mu V)$ = Limit stated in standard Margin (dB) = Measurement $(dB\mu V)$ – Limits $(dB\mu V)$ Q.P. =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	15.231(a) and 15	.209	
Test Method:	ANSI C63.4:2014 and ANSI C63.10:2020					
Frequency Range:	9 kHz to 5 GHz					
Measurement Distance:	3 m	S.			Sec. 1	
Antenna Polarization:	Horizontal &	Vertical				
	Frequency	Detector	RBW	VBW	Remark	
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value	
Receiver Setup:	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value	
-	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value	
	Above 1GHz	Peak	1MHz	3MHz	Peak Value	
		Peak	1MHz	10Hz	Average Value Dotating table 0.	
Test Procedure:	1GHz. T determine 2. The EU interferen on the top 3. The anten meters at value of vertical po the meas 4. For each s to its wors heights fr table was find the m 5. The test- Function Hold Mod 6. If the emi 10dB lowe be stopped reported. (10dB mare	he table the position T was since-receiving of a varian of a varian ove the gradient ove th	was rot on of the et 3 m ig anteni ble-heigh is varied ound to o strength s of the a emission d then th er to 4 m om 0 deg eading. ystem w ified Bai of the E limit spec beak valu the emis be re-te average r	ated 36 highest eters a na, which it antenr from on determin . Both intenna a , the EU e antenr neters ar grees to as set t ndwidth EUT in p cified, the es of the sions the sted one method a	way from th h was mounte	



5.3.2. 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
130-174	1250 to 3750*	125 to 375*
174-260	3750	375
260-470	3750 to 12500*	375 to 1250*
Above 470	12500	1250
Horn Antenna	Schwarzbeck	BBHA 9120D
*Linear interpolations		

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

For the band 130-174 MHz, $\mu V/m$ 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

Fur	ndamental Frequency (MHz)		Filed Strength of undamental (dBµV/	m)	led Strength Spurious iission(dBµV		
	433.92		80.83		60.83	N.	
limi mea 2.Acc	entional radiators operating its on the field strength of e asured emissions. ording to 15.35, on any fre	emissions, as a quency or freq	shown in the above table quencies below or equal i	e, based on the a to 1000 MHz, the	verage value of limits Shown a	f the re base	
bar mai 3. Acc on ave	measuring equipment emp adwidths, unless otherwise ximum permitted average cording to 15.231(b), The I the fundamental frequency arage (or, alternatively, CIS ction 15.209, whichever lin	e specified the emission limit limits on the fie y of the intentio SPR quasi-pea	limit on peak radio frequ applicable to the equipm eld strength of the spurio onal radiator. Spurious el k) limits shown in this tal	ency emissions i nent under test. us emissions in t missions shall be	s 20dB above t he above table attenuated to a	he is base the	
bar mai 3. Acc on ave	ndwidths, unless otherwise ximum permitted average cording to 15.231(b), The I the fundamental frequency	e specified the emission limit limits on the fie y of the intentio SPR quasi-pea	limit on peak radio frequ applicable to the equipm eld strength of the spurio onal radiator. Spurious el k) limits shown in this tal	ency emissions i nent under test. us emissions in t missions shall be	s 20dB above t he above table attenuated to a	he is base the	



Frequencies in restricted band are complied to limit on Paragraph 15.209

Frequency 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 (5)	40.0
88-216	3	43.5
216-960	3	46.0
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.

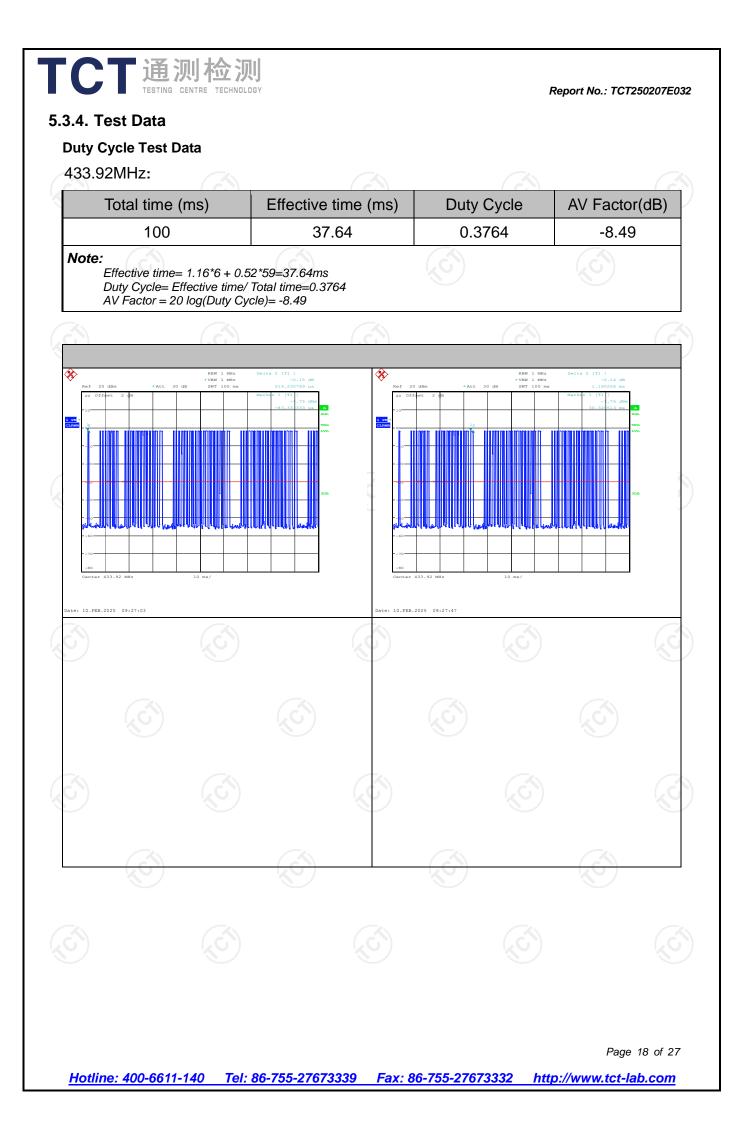
5. If measurement is made at 3m distance, then F.S Limitation at 3m distance is adjusted by using the formula Ld1 = Ld2 * (d2/d1)

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5.3.3. Test Instruments

	Radiated Em	nission Test Site	e (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	HP	8447D	2727A05017	Jun. 26, 2025
Pre-amplifier	SKET	LNPA_0118G- 45	SK2021012 102	Jan. 20, 2026
Pre-amplifier	SKET	LNPA_1840G- 50	SK2021092 03500	Jan. 20, 2026
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	1	Jun. 26, 2025
Coaxial cable	SKET	RE-04-L	/	Jun. 26, 2025
Antenna Mast	Keleto	RE-AM	1	
EMI Test Software	EZ_EMC	FA-03A2 RE+	1.1.4.2	/

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Field Strength of Fundamental

	Frequency (MHz)	Emission PK (dBuV/m)	Horizontal /Vertical	Limits PK (dBuV/m)	Margin (dB)
S	433.92	68.17	ЮН	100.83	-32.66
	433.92	67.88	V	100.83	-32.95
-			Ć	0	

Frequency (MHz)	Emission PK (dBuV/m)	AV Factor(dB)	Horizontal /Vertical	Emission AVG (dBuV/m)	Limits AV (dBuV/m)	Margin (dB)
433.92	68.17	-8.49	ЮН	59.68	80.83	-21.15
433.92	67.88	-8.49	V	59.39	80.83	-21.44

Harmonics and Spurious Emissions

Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@3m (dBµV/m)	Limit@3m (dBµV/m)
G) <u> (</u> G)	(KG.)	
Note: 1 Emission Level-Reading C	able loss Antonno factor Amp factor	

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



Limit: FCC Part 15C RE_3m Power: DC 3.7 V Frequency Reading Level Limit Factor Margin Detector No. P/F Remark (dBuV/m) (dBuV/m) (MHz) (dBuV) (dB/m) (dB) 59.8588 35.84 -18.92 16.92 40.00 -23.08 QP Ρ 107.8876 37.45 -20.57 16.88 43.50 -26.62 QP Ρ 185.1374 42.46 -20.18 22.28 43.50 -21.22 QP Ρ 263.8190 56.52 -18.91 37.61 46.00 -8.39 QP Ρ 793.3958 5! 48.47 -6.91 41.56 46.00 -4.44 Ρ QP 869.1300 49.12 -6.39 42.73 46.00 -3.27 QP Р *

Fundamental dBu¥/m 80.0 Frequency 70 60 FCC Part 15C RE_8m 50 dB × 40 30 N Ψ Jun MM Mannu un Maller margent 20 Â and Sear Million and Martin 10 0.0 30.000 (MHz) 1000.000 60.000 90.000 300.000 600.000

Below 1GHz

Site 3m Anechoic Chamber2

Hotline: 400-6611-140

1

2

3 4

6

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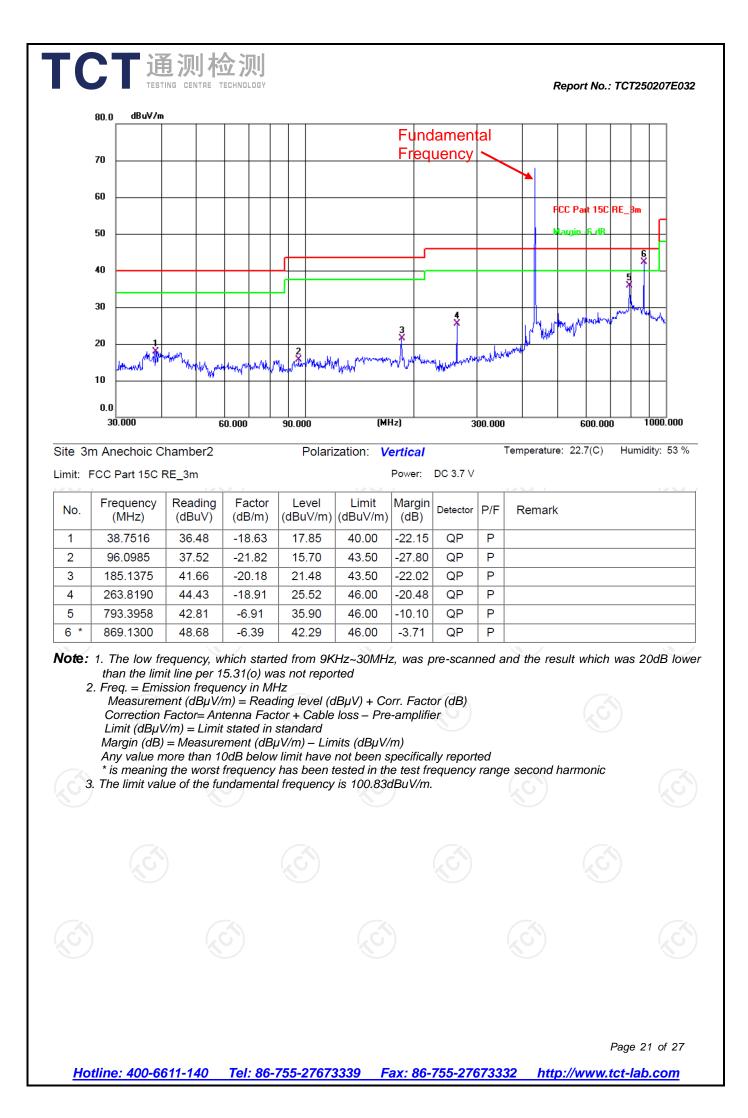
Polarization: Horizontal

Report No.: TCT250207E032

Temperature: 22.7(C)

Humidity: 53 %

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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	62.38	-18.59	43.79	80.83	-37.04	Vertical
1735.68	52.74	-18.14	34.60	80.83	-46.23	Vertical
2169.60	51.73	-17.61	34.12	80.83	-46.71	Vertical
2603.52	47.86	-16.45	31.41	80.83	-49.42	Vertical
3037.44	47.48	-14.84	32.64	80.83	-48.19	Vertical
3471.36	45.36	-14.17	31.19	80.83	-49.64	Vertical
1301.76	59.41	-18.59	40.82	80.83	-40.01	Horizontal
1735.68	55.85	-18.14	37.71	80.83	-43.12	Horizontal
2169.60	53.44	-17.61	35.83	80.83	-45.00	Horizontal
2603.52	53.19	-16.45	36.74	80.83	-44.09	Horizontal
3037.44	53.13	-14.84	38.29	80.83	-42.54	Horizontal
3471.36	50.31	-14.17	36.14	80.83	-44.69	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.





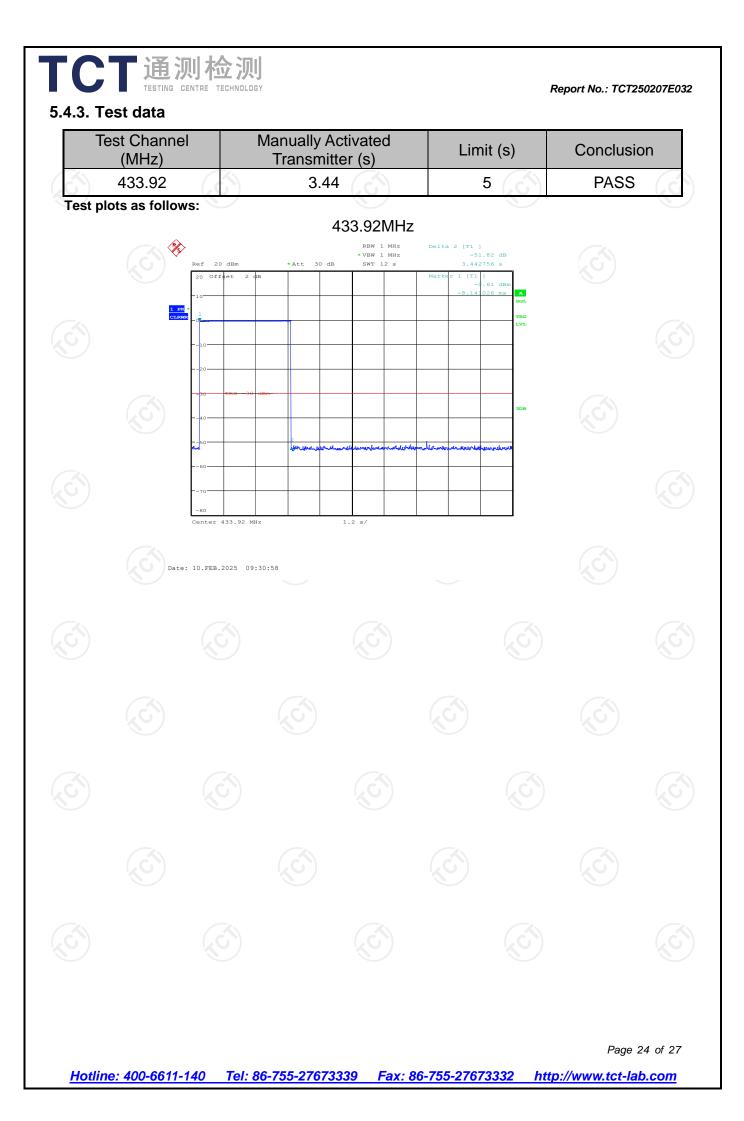
5.4. Manually Activated Transmitter

5.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 1	5.231(a)(1)			
Test Method:	ANSI C63.10:2020				
Limit:	According to 15.231(a), A manually operated transmit shall employ a switch that will automatically deactive the transmitter within not more than 5 seconds of be released.				
Test Procedure:	 According to the follow Test-setup, keep the reposition between the artificial antenna and the E Set to the maximum power setting and enable EUT transmit continuously. Use the following spectrum analyzer settings. RBW = 100KHz, VBW≥RBW; Span = 0; Sweep Time > T(on)+5S; Detector function = peak; Measure and record the results in the test report 				
Test setup:	Spectrum Analyzer	EUT			
Test Mode:	Refer to Item 3.1				
Test results:	PASS				

5.4.2. Test Instruments

	RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Due				
Spectrum Analyzei	R&S	FSU	200054	Jun. 26, 2025				
S			I A A A A A A A A A A A A A A A A A A A	C				
				Page 23 of 27				
Hotline: 400-6611-140	Tel: 86-755-27673	339 Fax: 8	6-755-27673332 ht	tp://www.tct-lab.com				



5.5. Occupied Bandwidth

5.5.1. 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 following spectrum analyzer settings for 20dB Bandwidth measurement. Span = 100KHz, centered on a hopping channel; RBW = 1KHz; VBW = 3KHz; Sweep = auto; Detector function = peak; Trace = max hold. Measure and record the results in the test report. 				
Test setup:	Spectrum Analyzer				
Test Mode:	Refer to Item 3.1				
Test results:	PASS				
1.01					

5.5.2. Test Instruments

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

