	TEST REPOF	RT					
FCC ID :	2BN8F-VDP80						
Test Report No:	TCT250317E044						
Date of issue:	Mar. 21, 2025		S				
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:	NUMLAKE TECH LIMITED						
Address:	UNIT 1505, 15/F WORKINGPORT COMMERCIAL BUILDING 3 HAU FOOK STREET TSIM SHA TSUI HONG KONG, China						
Manufacturer's name :							
Address:	UNIT 1505, 15/F WORKINGPORT COMMERCIAL BUILDING 3 HAU FOOK STREET TSIM SHA TSUI HONG KONG, China						
Standard(s):	FCC CFR Title 47 Part 15 Subpart C Section 15.231						
Product Name:	Doorbell Camera		(S)				
Trade Mark:	N/A						
Model/Type reference :	P80, M60, M70, M80, M90, T6 U90, N60, N70, N80, N90, P60		60, U70, U80,				
Rating(s):	Rechargeable Li-ion Battery D	C 3.7V					
Date of receipt of test item	Mar. 17, 2025						
Date (s) of performance of test:	Mar. 17, 2025 ~ Mar. 21, 2025						
Tested by (+signature) :	Onnado YE	Onnado Jarac					
Check by (+signature) :	Beryl ZHAO	Bayl 2 TC	TING				
Approved by (+signature):	Tomsin Tomsin's						

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TCT通测检测 TESTING CENTRE TECHNOLOGY

Report No.: TCT250317E044

1. General Product Information

1.1. EUT description

Product Name:	Doorbell Camera			
Model/Type reference:	P80	(\mathfrak{S})		(\mathfrak{S})
Sample Number	TCT250317E008-0101		<i>—</i>	
Operation Frequency:	433.92MHz		$\langle \mathcal{C} \rangle$	
Modulation Technology:	FSK			
Antenna Type:	Spring Antenna	$(\mathcal{C}^{(1)})$		
Antenna Gain:	-1.74dBi			
Rating(s):	Rechargeable Li-ion Battery DC	C 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.								
1			P80							
Other model		M80, M90, T 0, N60, N70, odels are deriva	N80, N90,	P60, P70,	P90					
	nt on the model na									
						Pag	e 3 of 26			
Hotline: 4	00-6611-140 Tel	: 86-755-2767	3339 Fax:	86-755-2767	3332 http	://www.tct-la				



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

Condition	Conducted Emission	Radiated Emission						
Temperature:	22.1 °C	22.7 °C						
Humidity:	52 % RH	57 % 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	Х	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)

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	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.

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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 %.

± 3.10 dB ± 1.08 dB ted ± 2.94 dB
ted ± 2.94 dB
± 0.25 KHz
Hz) (± 4.56 dB
Iz - 18 GHz) ± 4.22 dB
Hz- 40 GHz) ± 4.36 dB
± 0.1°C



5. Test Results and Measurement Data

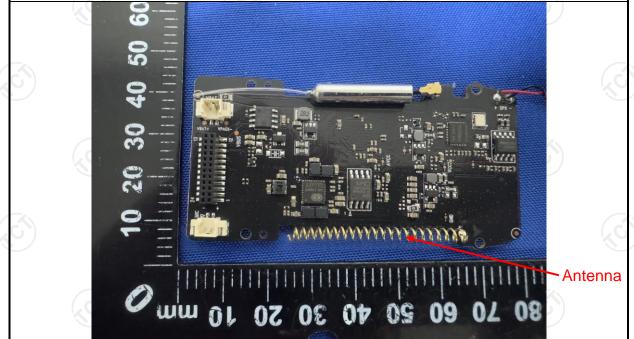
5.1. Antenna Requirement

- 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.

E.U.T Antenna:

The antenna is spring antenna which permanently attached, and the best case gain of the antenna is -1.74dBi





5.2. Conducted Emission

5.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207						
Test Method:	ANSI C63.4:2014						
Frequency Range:	150 kHz to 30 MHz	5	(\mathbf{c})				
Receiver setup:	RBW=9 kHz, VBW=30 l	kHz, Sweep time	=auto				
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30	Limit (0 Quasi-peak 66 to 56* 56 60					
	Reference	Plane	(201)				
Test Setup:	40cm E.U.T AC power Test table/Insulation plane Remarkc E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Netw Test table height=0.8m	E.U.T AC power 80cm LISN Test table/Insulation plane Filter AC power Remark EMI Receiver E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network					
Test Mode:	Charging + Transmitting Mode						
Test Procedure:	 The E.U.T and simulators are connected to the power through a line impedance stabilization net (L.I.S.N.). This provides a 50ohm/50uH cou impedance for the measuring equipment. The peripheral devices are also connected to the power through a LISN that provides a 50ohm/5 coupling impedance with 50ohm termination. (Ple refer to the block diagram of the test setup photographs). Both sides of A.C. line are checked for maxin emission, the relative positions of equipment and the interface cables must be changed according. 						
	the interface cables must be changed according to ANSI C63.4:2014 on conducted measurement.						

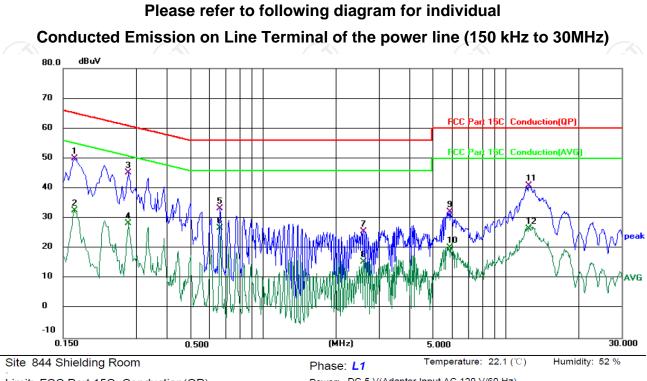
5.2.2. Test Instruments

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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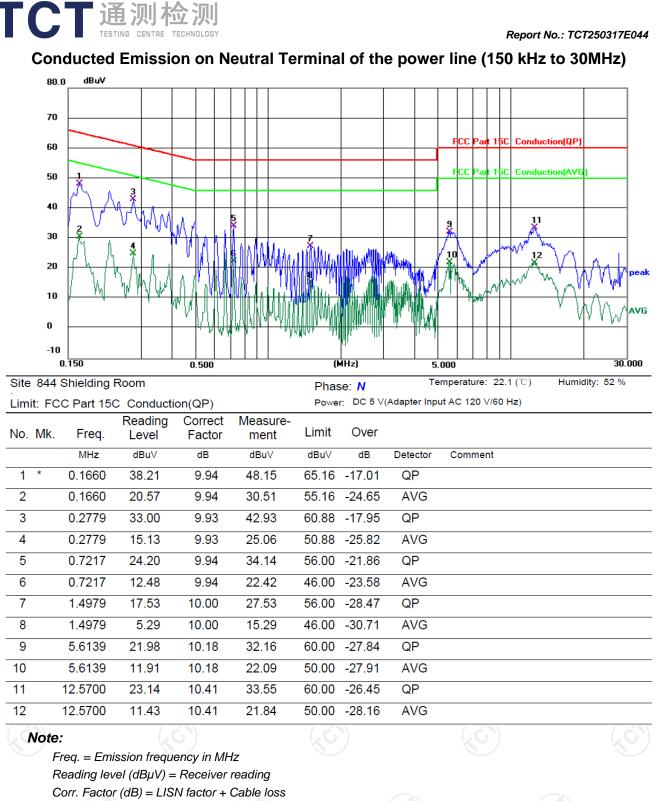
5.2.1. Test data



Limit	t: FC	C Part 150	C Conductio	on(QP)		Power	: DC 5 V(/	Adapter Input	t AC 120 V/60 Hz)
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∨	dB	dBu∨	dBu∀	dB	Detector	Comment
1	*	0.1660	39.94	9.95	49.89	65.16	-15.27	QP	
2		0.1660	22.75	9.95	32.70	55.16	-22.46	AVG	
3		0.2779	35.32	9.94	45.26	60.88	-15.62	QP	
4		0.2779	18.34	9.94	28.28	50.88	-22.60	AVG	
5		0.6660	23.34	9.90	33.24	56.00	-22.76	QP	
6		0.6660	16.80	9.90	26.70	46.00	-19.30	AVG	
7		2.6059	15.52	10.05	25.57	56.00	-30.43	QP	
8		2.6059	5.38	10.05	15.43	46.00	-30.57	AVG	
9		5.8780	22.12	10.17	32.29	60.00	-27.71	QP	
10		5.8780	10.01	10.17	20.18	50.00	-29.82	AVG	
11		12.4778	30.72	10.35	41.07	60.00	-18.93	QP	
12		12.4778	16.24	10.35	26.59	50.00	-23.41	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 μ V) = Limit stated in standard	
	Margin (dB) = Measurement (dB μ V) – Limits (dB μ V)	
	Q.P. =Quasi-Peak	
	AVG =average	
	* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz	



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

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

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

Q.P. =Quasi-Peak

AVG =average

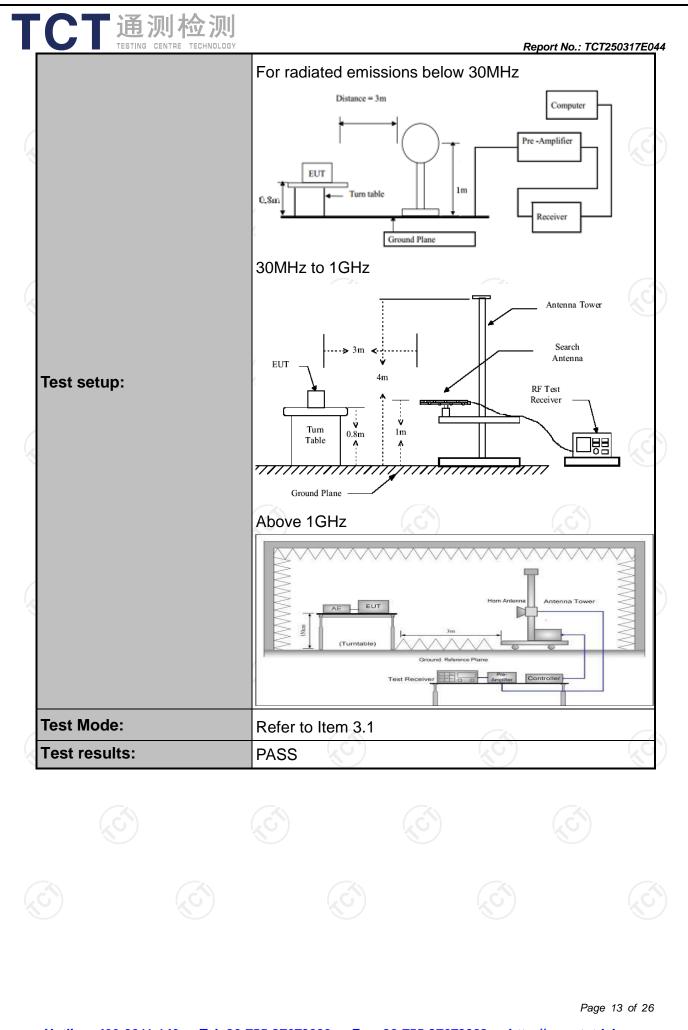
* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.



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:	equency Range: 9 kHz to 5 GHz									
Measurement Distance:	3 m	S.	シ		S					
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 Valu					
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Valu					
	Above 1GHz	Peak	1MHz	3MHz	Peak Value					
		Peak	1MHz	10Hz	Average Value					
Test Procedure:	 1GHz. T determine The EU interferen on the top The anten meters at value of vertical puthe meas For each sites For each sites For each sites The test- Function Hold Mode If the emi 10dB lowe be stopped reported. 0 	he table the position T was succe-receiving the of a varian of a varian the field olarizations urement. Suspected of the sturned from the sturned from the sturned the sturned from the sturned from the sturned from the sturned from the sturned from the sturned from the sturned from the sturned from the sturned from the sturned from the sturned from the sturned from the sturned f	was rot on of the et 3 m ig antenri 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 Bar of the E limit spec beak valu the emis be re-ten 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

Fundamental Frequency (MHz)							
	433.92		80.83		60.83	N.	
lim me 2.Acc	entional radiators operating its on the field strength of el asured emissions. cording to 15.35, on any free	missions, as sh	nown in the above table	, based on the a o 1000 MHz, the	verage value of	the	
bai ma 3. Ac on ave	measuring equipment empl ndwidths, unless otherwise eximum permitted average e cording to 15.231(b), The lin the fundamental frequency erage (or, alternatively, CISI ction 15.209, whichever lim	specified the lin emission limit ap mits on the field of the intention PR quasi-peak)	mit on peak radio freque pplicable to the equipm d strength of the spuriou nal radiator. Spurious er) limits shown in this tab	ency emissions is ent under test. Is emissions in tl nissions shall be	s 20dB above tl he above table attenuated to t	he is base he	
bai ma 3. Ac on ave	ndwidths, unless otherwise iximum permitted average e cording to 15.231(b), The lii the fundamental frequency	specified the lin emission limit ap mits on the field of the intention PR quasi-peak)	mit on peak radio freque pplicable to the equipm d strength of the spuriou nal radiator. Spurious er) limits shown in this tab	ency emissions is ent under test. Is emissions in tl nissions shall be	s 20dB above tl he above table attenuated to t	he is baseo he	

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 (6)	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)

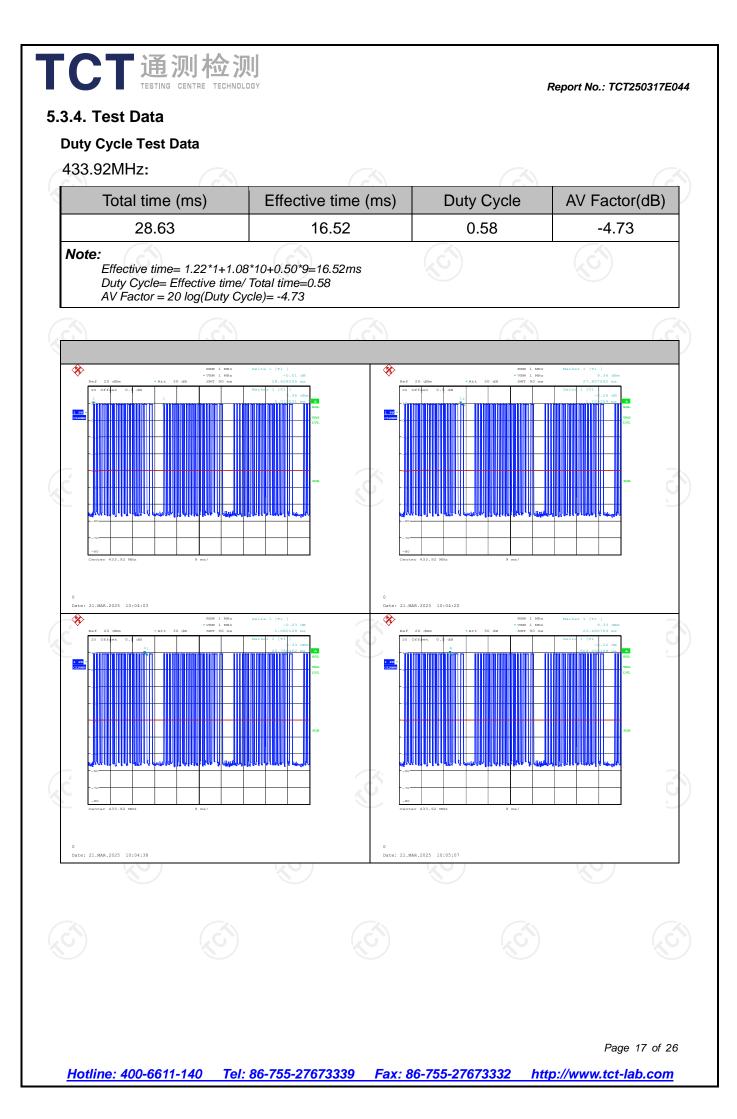
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5.3.3. Test Instruments

TCT 通测检测 TESTING CENTRE TECHNOLOGY

Radiated Emission Test Site (966)										
Name of Equipment	Manufacturer	Manufacturer Model		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 Jun. 28, 2025 Jan. 22, 2026						
Horn Antenna	Schwarzbeck	BBHA 9120D	631							
Horn Antenna	Schwarzbeck	BBHA 9170	00956							
Coaxial cable	SKET	RE-03-D	1	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	1							
EMI Test Software	EZ_EMC	FA-03A2 RE+	1.1.4.2	/						

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	Frequency Emission Pl (MHz) (dBuV/m)		Horizontal /Vertical	Limits PK (dBuV/m)	Margin (dB)
	433.92	71.11	Н	100.83	-29.72
	433.92	63.71	V	100.83	-37.12
-					

Frequency (MHz)	Emission PK (dBuV/m)	AV Factor(dB)	Horizontal /Vertical	Emission AVG (dBuV/m)	Limits AV (dBuV/m)	Margin (dB)
433.92	71.11	-4.73	ЮН	66.38	80.83	-14.45
433.92	63.71	-4.73	V	58.98	80.83	-21.85

Harmonics and Spurious Emissions

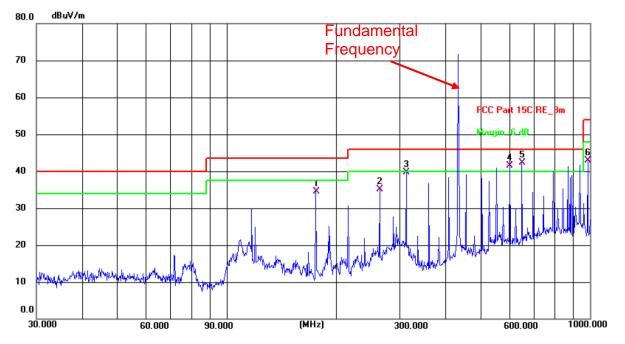
Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@3m (dBµV/m)	Limit@3m (dBµV/m)
G) (KG)		
<u> </u>		-7
Noto: 1 Emission Loval Booding (Cable loss-Antenna 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

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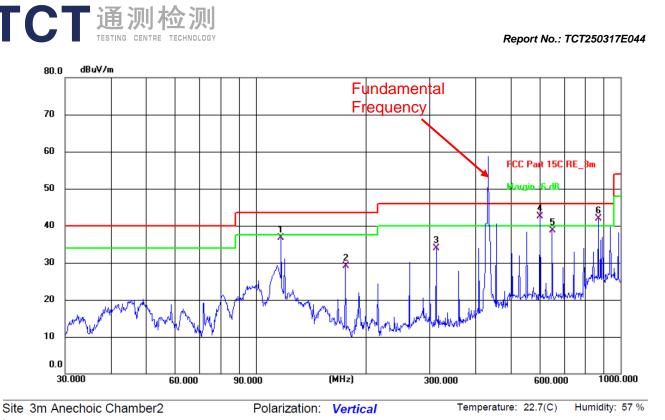
Site 3m Anechoic Chamber2 Polarization: Horizontal Temperature: 22.7(C) Humidity: 57 %

Limit: FCC Part 15C RE_3m

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
Γ	1	176.2686	53.31	-18.74	34.57	43.50	-8.93	QP	Р	
Γ	2	263.8190	54.03	-18.91	35.12	46.00	-10.88	QP	Ρ	
Γ	3	312.1794	57.50	-17.80	39.70	46.00	-6.30	QP	Р	
	4!	601.4265	51.51	-10.04	41.47	46.00	-4.53	QP	Р	
	5 *	649.6596	51.16	-8.83	42.33	46.00	-3.67	QP	Р	
	6	986.0716	47.69	-4.84	42.85	54.00	-11.15	QP	Ρ	

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Limit: FCC Part 15C RE_3m

Power: DC 3.7 V

$\{ j \in I \}$	1.1		1.2	J. 1			I			
	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
	1	117.3602	56.46	-19.68	36.78	43.50	-6.72	QP	Ρ	
	2	176.2686	47.93	-18.74	29.19	43.50	-14.31	QP	Р	
Γ	3	312.1794	51.68	-17.80	33.88	46.00	-12.12	QP	Р	
	4 *	601.4265	52.64	-10.04	42.60	46.00	-3.40	QP	Ρ	
	5	649.6596	47.51	-8.83	38.68	46.00	-7.32	QP	Ρ	
	6!	869.1302	48.31	-6.39	41.92	46.00	-4.08	QP	Ρ	

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.



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	60.24	-18.59	41.65	74.00	-32.35	Vertical
1735.68	51.09	-18.14	32.95	80.83	-47.88	Vertical
2169.60	49.17	-17.61	31.56	80.83	-49.27	Vertical
2603.52	46.23	-16.45	29.78	80.83	-51.05	Vertical
3037.44	46.63	-14.84	31.79	80.83	-49.04	Vertical
3471.36	44.08	-14.17	29.91	80.83	-50.92	Vertical
1301.76	59.55	-18.59	40.96	74.00	-33.04	Horizontal
1735.68	50.45	-18.14	32.31	80.83	-48.52	Horizontal
2169.60	49.16	-17.61	31.55	80.83	-49.28	Horizontal
2603.52	46.43	-16.45	29.98	80.83	-50.85	Horizontal
3037.44	45.75	-14.84	30.91	80.83	-49.92	Horizontal
3471.36	43.29	-14.17	29.12	80.83	-51.71	Horizontal

Note:

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss - Pre-amplifier

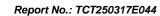
2. Margin (dB) = Emission Level (dB μ V/m)- limit (dB μ V/m)

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.







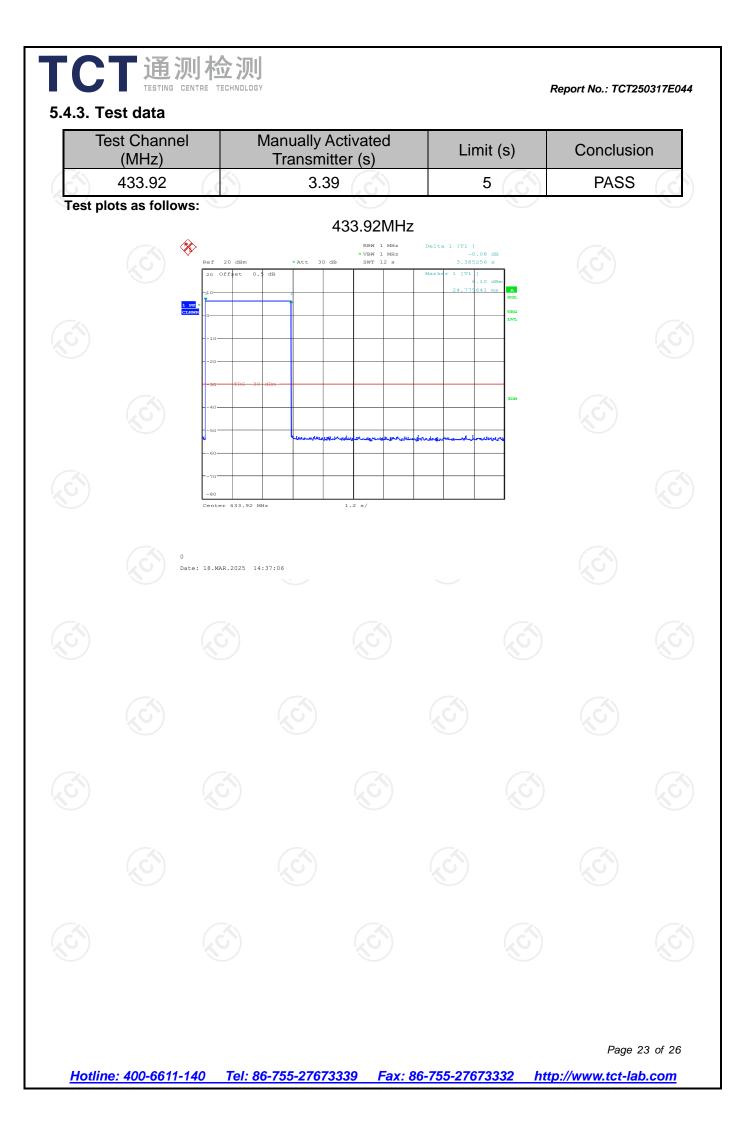
5.4. Manually Activated Transmitter

5.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.231(a)(1)				
Test Method:	ANSI C63.10:2020				
Limit:	 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. 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. RBW = 100KHz, VBW≥RBW; Span = 0; Sweep Time > T(on)+5S; Detector function = peak; 4. Measure and record the results in the test report. 				
Test Procedure:					
Test setup:	Spectrum Analyzer	EUT			
Test Mode:	Refer to Item 3.1				
Test results:	PASS				

5.4.2. Test Instruments

	RF Test Room						
Equipment Manufact		anufacturer	cturer Model	Serial Number	Calibration Due		
Spectrum A	nalyzer	R&S	FSU	200054	Jun. 26, 2025		
	<u>C</u>			S	P		
					Page 22 of 26		
Hotline: 400-	6611-140 T	el: 86-755-27673	339 Fax: 8	6-755-27673332 ht	tp://www.tct-lab.com		



5.5. Occupied Bandwidth

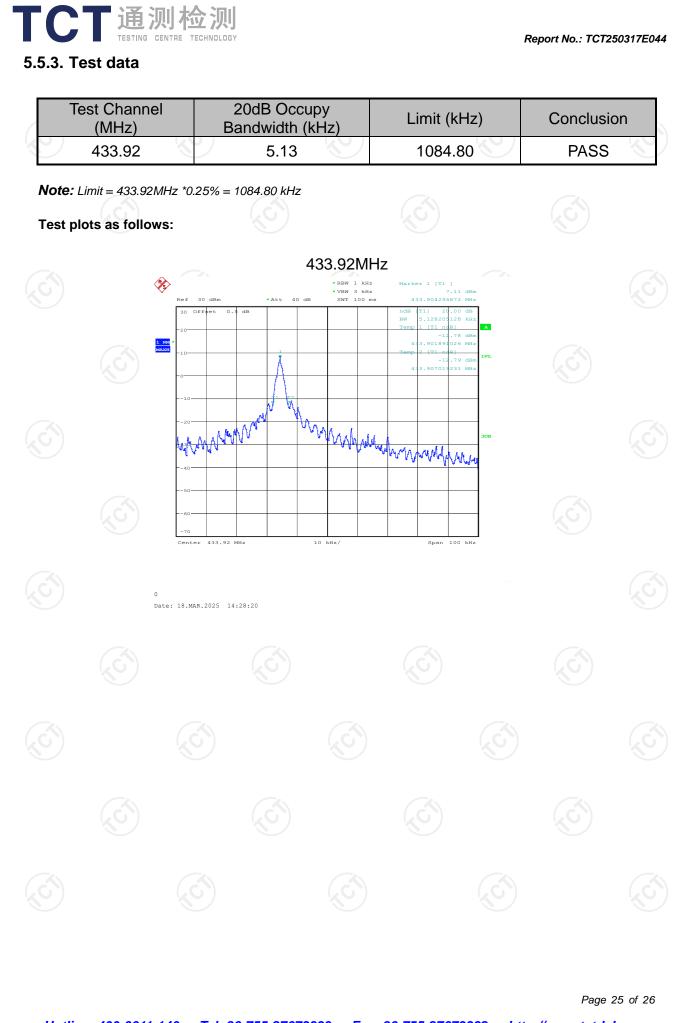
5.5.1. Test Specification

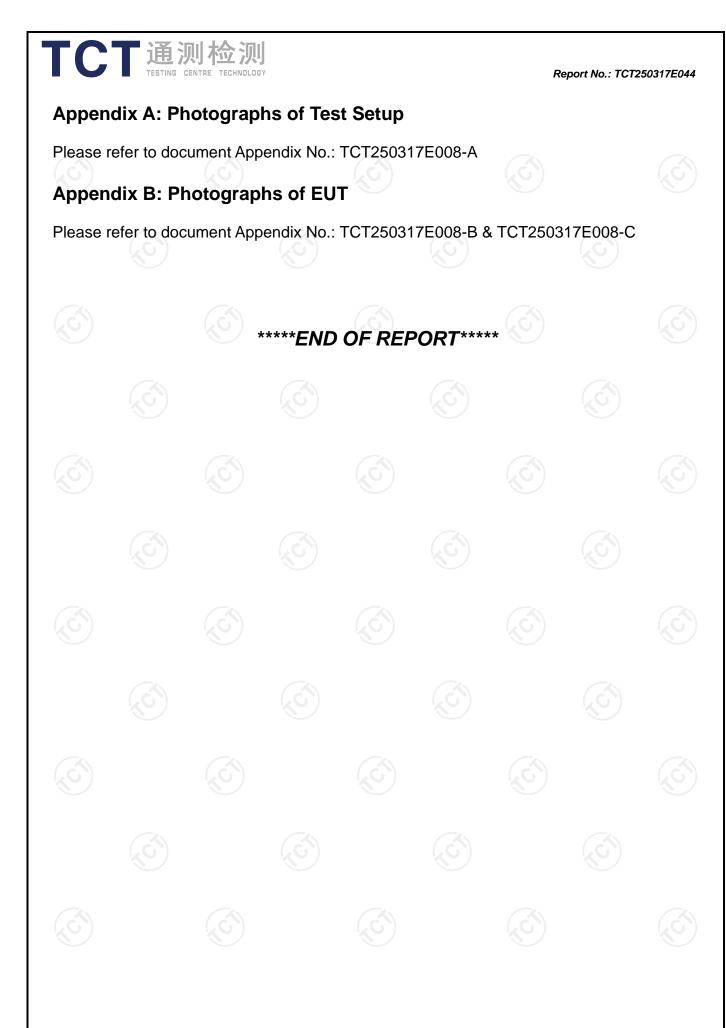
Test Requirement:	FCC Part15 C Section 15.231C				
Test Method:	ANSI C63.10:2020				
Limit:	According to 15.231(c), The bandwidth of the emission shall be no wider than 0.25% of the centre frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission 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 = 50KHz, centered on a hopping channel; RBW = 3KHz; VBW = 10KHz; 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				

5.5.2. Test Instruments

	RF Test Room				
2	Equipment	Manufacturer	Model	Serial Number	Calibration Due
	Spectrum Analyzer	R&S	FSU	200054	Jun. 26, 2025
	(G)	(G)		(G)	(\mathcal{O})

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