



FCC SDoC Test Report

For

Applicant Name: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU
Address: INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX
China
EUT Name: tablet
Brand Name: OUKITEL
Model Number: OT6
Series Model Number: Refer to section 2

Issued By

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.
F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park,
Address: Tantou Community, Songgang Street, Bao'an District, Shenzhen,
China
Report Number: BTF231127E00401
Test Standards: 47 CFR Part 15, Subpart B

Test Conclusion: Pass
FCC ID: 2ANMU-OT6
Test Date: 2023-11-28 to 2023-12-15
Date of Issue: 2023-12-18

Prepared By:

Chris Liu / Project Engineer
2023-12-18



Approved By:

Ryan.CJ/ EMC Manager
2023-12-18



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Test Report Number: BTF231127E00401

Revision History		
Version	Issue Date	Revisions Content
R_V0	2023-12-18	Original

Note: Once the revision has been made, then previous versions reports are invalid.

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1 Introduction

1.1 Identification of Testing Laboratory

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130

1.2 Identification of the Responsible Testing Location

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130
FCC Registration Number:	518915
Designation Number:	CN1330

1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 Product Information

2.1 Application Information

Company Name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX China

2.2 Manufacturer Information

Company Name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX China

2.3 Factory Information

Company Name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX China

2.4 General Description of Equipment under Test (EUT)

EUT Name:	tablet
Test Model Number:	OT6
Series Model Number:	OT6 S, OT6 Pro, OT6 Ultra, OT6 Kids
Description of Model name differentiation:	Only the model name is different, everything else is the same
Hardware Version:	R8631-RK3562-V1.0
Software Version:	OUKITEL_OT6_EEA_V01

2.5 Technical Information

Power Supply:	AC 120V 60Hz
Power Adaptor:	Model:PS10UA050K2000EU Input:100-240v~50/60Hz 0.35A Max Output:5.0V==2.0A 10.0W

3 Summary of Test Results

3.1 Test Standards

The tests were performed according to following standards:
47 CFR Part 15, Subpart B: Unintentional Radiators

3.2 Uncertainty of Test

Item	Measurement Uncertainty
Conducted Emission (150 kHz-30 MHz)	±2.64dB
Radiated Emissions (30M - 1GHz)	±4.12dB
Radiated Emissions (above 1GHz)	1-6GHz: ±3.94dB 6-18GHz: ±4.16dB

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.3 Summary of Test Result

Item	Standard	Requirement	Result
Conducted emissions on AC mains	47 CFR Part 15, Subpart B	15.107, Class B	Pass
Radiated emissions (Below 1GHz)	47 CFR Part 15, Subpart B	15.109, Class B	Pass
Radiated emissions (Above 1GHz)	47 CFR Part 15, Subpart B	15.109, Class B	Pass

4 Test Configuration

4.1 Test Equipment List

Conducted emissions on AC mains					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Pulse Limiter	SCHWARZBECK	VTSD 9561-F	00953	/	/
Coaxial Switcher	SCHWARZBECK	CX210	CX210	/	/
V-LISN	SCHWARZBECK	NSLK 8127	01073	2023-11-16	2024-11-15
LISN	AFJ	LS16/110VAC	16010020076	2023-02-23	2024-02-22
EMI Receiver	ROHDE&SCHWABERZ	ESCI3	101422	2023-11-15	2024-11-14

Radiated emissions (Below 1GHz) Radiated emissions (Above 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023-03-24	2024-03-23
Preamplifier	SCHWARZBECK	BBV9744	00246	/	/
RE Cable	REBES Talent	UF1-SMASMAM-10m	21101566	/	/
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	/	/
RE Cable	REBES Talent	UF1-SMASMAM-1m	21101568	/	/
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	/	/
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2023-11-13	2024-11-12
EMI TEST RECEIVER	ROHDE&SCHWABERZ	ESCI7	101032	2023-11-16	2024-11-15
SIGNAL ANALYZER	ROHDE&SCHWABERZ	FSQ40	100010	2023-11-16	2024-11-15
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preamplifier	SCHWARZBECK	BBV9718D	00008	2023-03-24	2024-03-23
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2022-05-22	2024-05-21
EZ_EMC	Frad	FA-03A2 RE+	/	/	/
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2023-11-13	2024-11-12

4.2 Test Auxiliary Equipment

The EUT was tested as an independent device.

4.3 Test Modes

No.	Test Modes	Description
TM1	Charging+Video play	

5 Emission Test Results (EMI)

5.1 Conducted emissions on AC mains

Test Requirement:	15.107, Class B		
Test Method:	ANSI C63.4-2014 ANSI C63.4a-2017		
Test Limit:	Frequency of emission (MHz)		Conducted limit (dB μ V)
			Quasi-peak Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
Procedure:	5-30	60	50
	*Decreases with the logarithm of the frequency.		

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

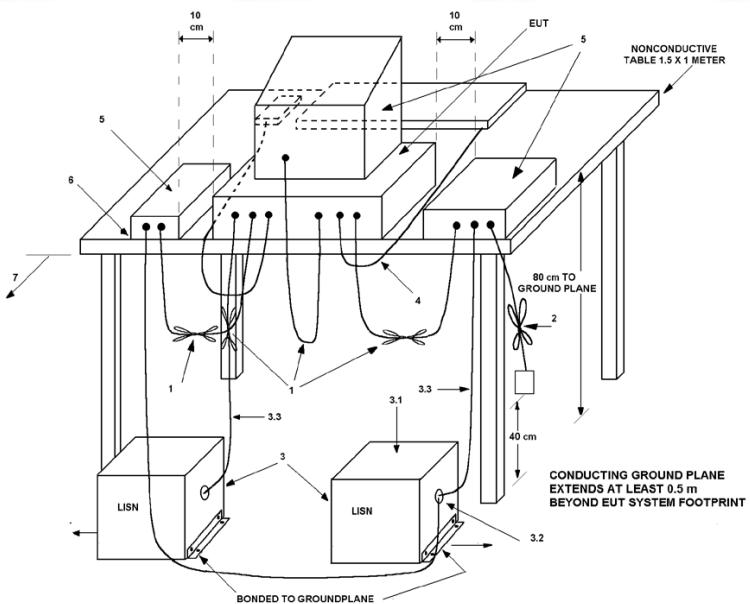
Remark: Level= Read Level+ Cable Loss+ LISN Factor

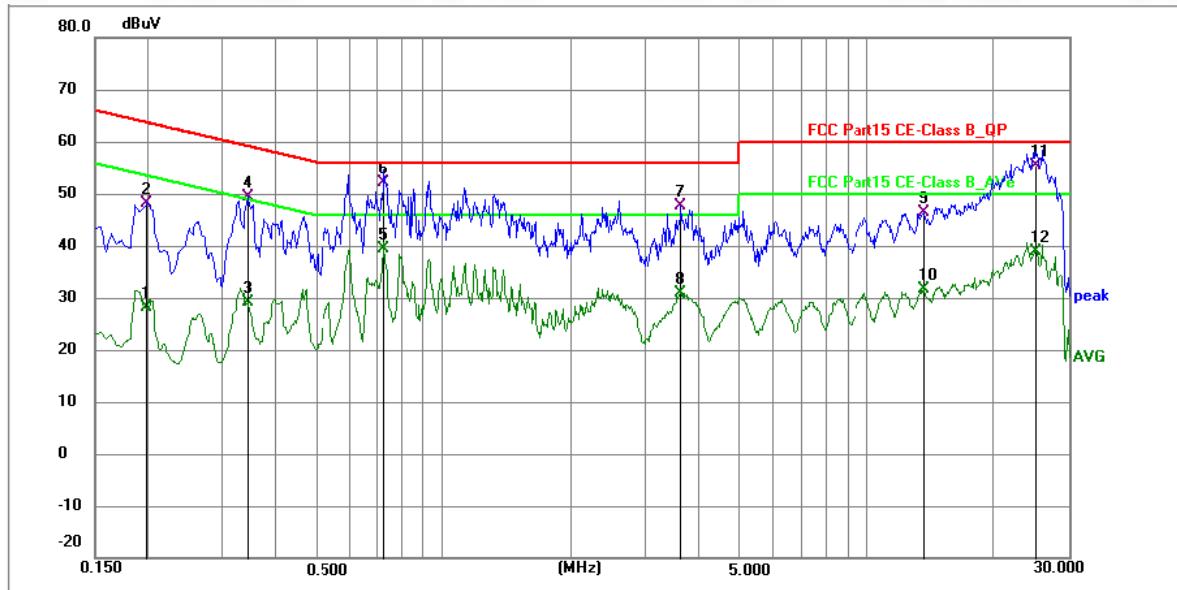
5.1.1 E.U.T. Operation:

Operating Environment:

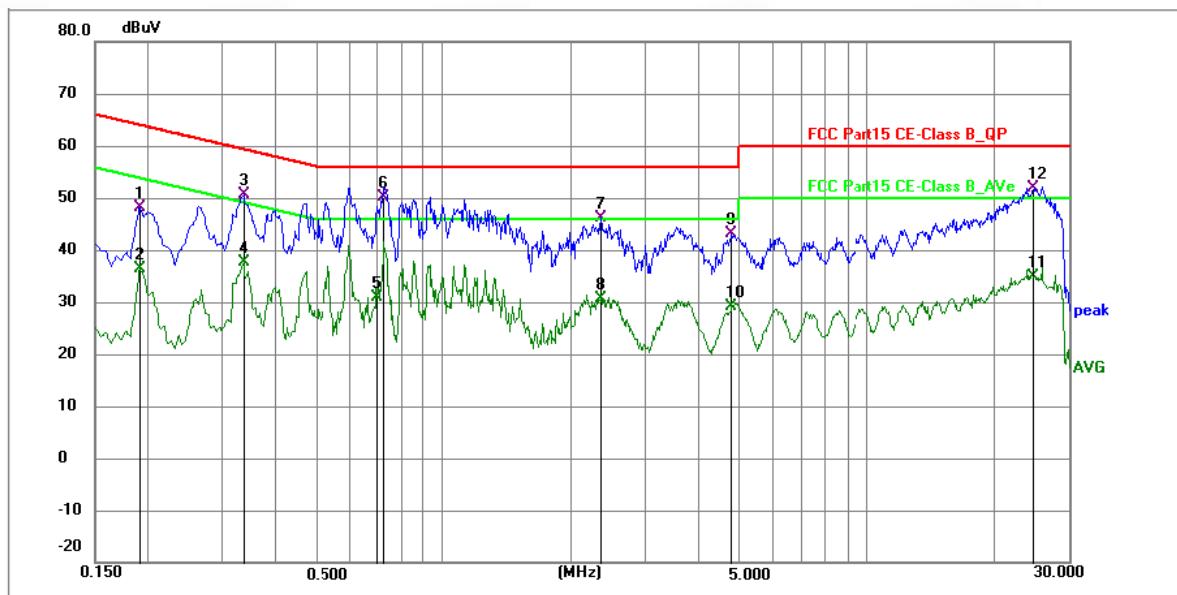
Temperature:	22.1 °C
Humidity:	47.1 %
Atmospheric Pressure:	1010 mbar

5.1.2 Test Setup Diagram:



5.1.3 Test Data:
TM1 / Line: Line


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1975	17.49	10.56	28.05	53.72	-25.67	AVG	P	
2	0.1986	37.61	10.56	48.17	63.67	-15.50	QP	P	
3	0.3428	17.99	11.02	29.01	49.14	-20.13	AVG	P	
4	0.3435	38.28	11.02	49.30	59.12	-9.82	QP	P	
5	0.7215	28.57	10.93	39.50	46.00	-6.50	AVG	P	
6 *	0.7260	41.18	10.92	52.10	56.00	-3.90	QP	P	
7	3.6240	37.04	10.64	47.68	56.00	-8.32	QP	P	
8	3.6240	20.22	10.64	30.86	46.00	-15.14	AVG	P	
9	13.6410	35.48	10.91	46.39	60.00	-13.61	QP	P	
10	13.6410	20.60	10.91	31.51	50.00	-18.49	AVG	P	
11	25.1430	44.10	11.20	55.30	60.00	-4.70	QP	P	
12	25.1430	27.79	11.20	38.99	50.00	-11.01	AVG	P	

TM1 / Line: Neutral


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1905	37.61	10.54	48.15	64.01	-15.86	QP	P	
2	0.1905	25.72	10.54	36.26	54.01	-17.75	AVG	P	
3	0.3345	39.52	10.99	50.51	59.34	-8.83	QP	P	
4	0.3345	26.63	10.99	37.62	49.34	-11.72	AVG	P	
5	0.6990	19.95	11.00	30.95	46.00	-15.05	AVG	P	
6 *	0.7260	39.28	10.92	50.20	56.00	-5.80	QP	P	
7	2.3460	35.57	10.67	46.24	56.00	-9.76	QP	P	
8	2.3460	19.85	10.67	30.52	46.00	-15.48	AVG	P	
9	4.7850	32.42	10.72	43.14	56.00	-12.86	QP	P	
10	4.7850	18.30	10.72	29.02	46.00	-16.98	AVG	P	
11	24.6930	23.76	11.19	34.95	50.00	-15.05	AVG	P	
12	24.7919	40.74	11.20	51.94	60.00	-8.06	QP	P	

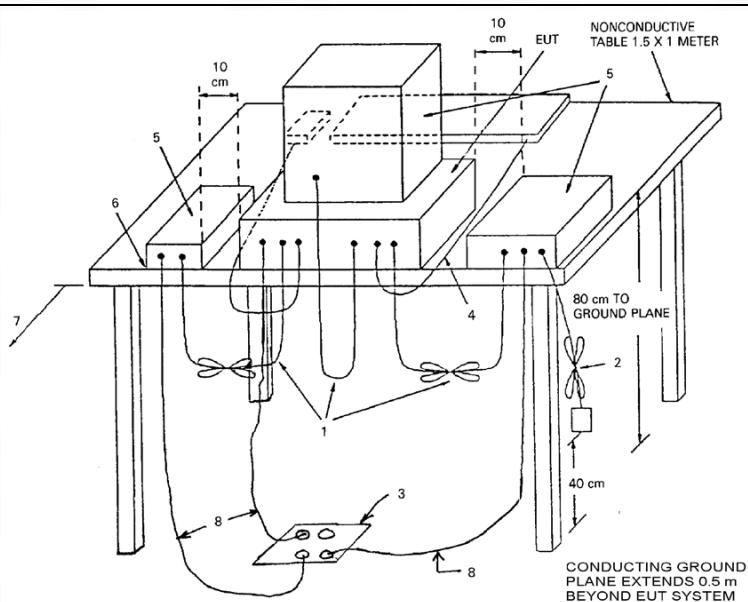
5.2 Radiated emissions (Below 1GHz)

Test Requirement:	15.109, Class B																												
Test Method:	ANSI C63.4-2014 ANSI C63.4a-2017																												
Test Limit:	Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:																												
	<table border="1"> <thead> <tr> <th>Frequency of emission (MHz)</th> <th>Field strength @3m (μV/m)</th> <th>Field strength @10m (dBμV/m)</th> <th>Field strength @10m (μV/m)</th> <th>Field strength @10m (dBμV/m)</th> </tr> </thead> <tbody> <tr> <td>30 – 88</td><td>100</td><td>40</td><td>30</td><td>29.5</td></tr> <tr> <td>88 – 216</td><td>150</td><td>43.5</td><td>45</td><td>33.1</td></tr> <tr> <td>216 – 960</td><td>200</td><td>46</td><td>60</td><td>35.6</td></tr> <tr> <td>Above 960</td><td>500</td><td>54</td><td>150</td><td>43.5</td></tr> </tbody> </table>				Frequency of emission (MHz)	Field strength @3m (μ V/m)	Field strength @10m (dB μ V/m)	Field strength @10m (μ V/m)	Field strength @10m (dB μ V/m)	30 – 88	100	40	30	29.5	88 – 216	150	43.5	45	33.1	216 – 960	200	46	60	35.6	Above 960	500	54	150	43.5
Frequency of emission (MHz)	Field strength @3m (μ V/m)	Field strength @10m (dB μ V/m)	Field strength @10m (μ V/m)	Field strength @10m (dB μ V/m)																									
30 – 88	100	40	30	29.5																									
88 – 216	150	43.5	45	33.1																									
216 – 960	200	46	60	35.6																									
Above 960	500	54	150	43.5																									
Procedure:	<p>An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.</p> <p>Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor</p>																												

5.2.1 E.U.T. Operation:

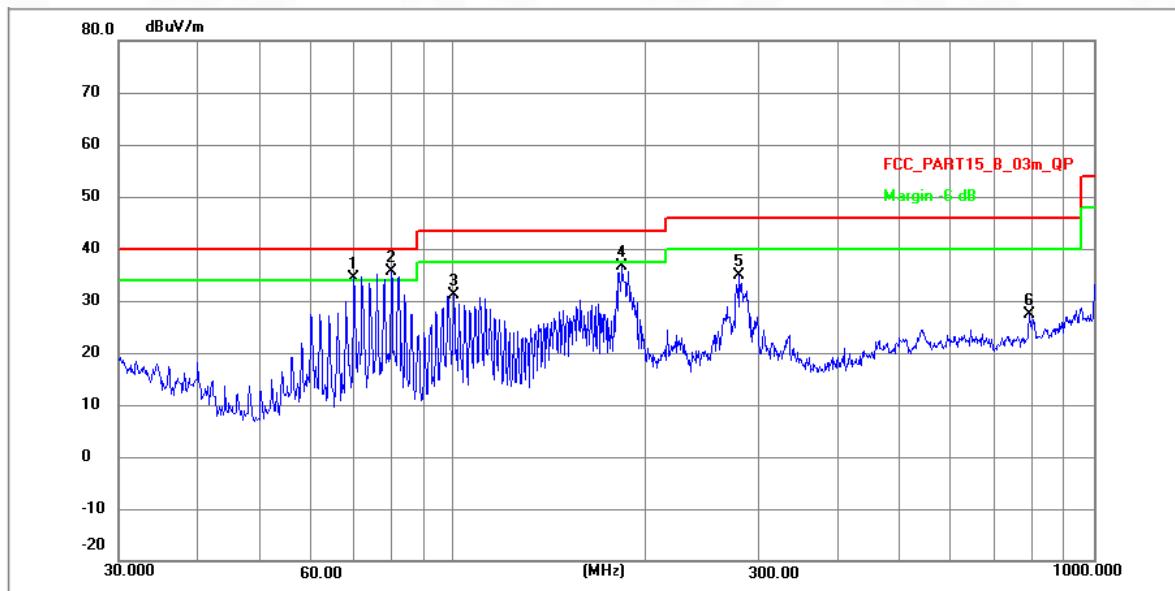
Operating Environment:			
Temperature:	22.1 °C		
Humidity:	47.1 %		
Atmospheric Pressure:	1010 mbar		

5.2.2 Test Setup Diagram:



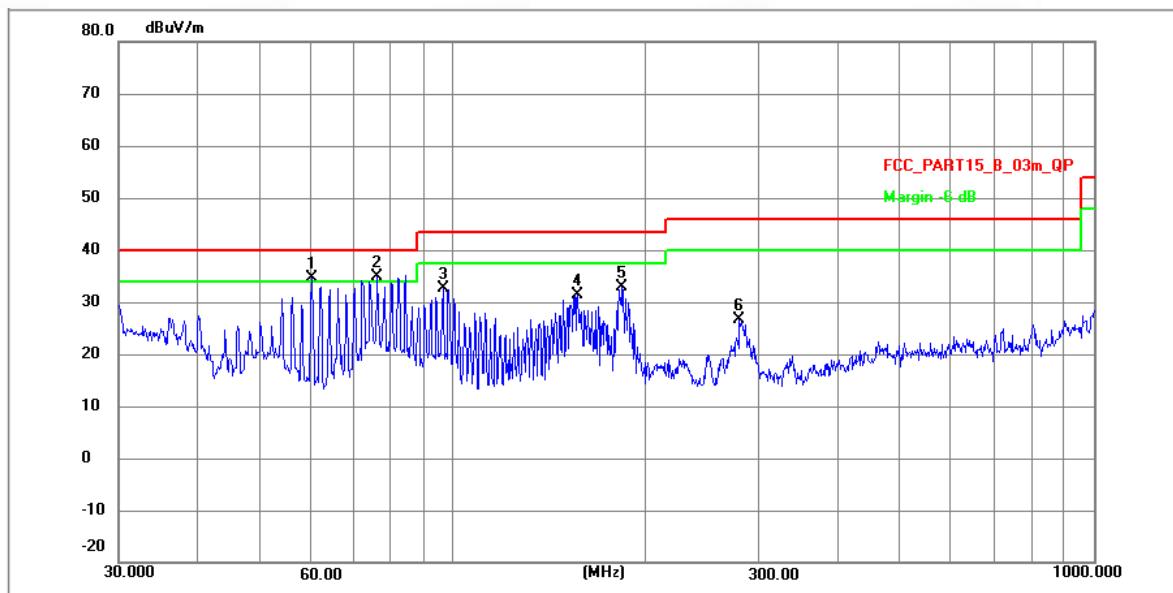
5.2.3 Test Data:

TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 !	69.9675	52.37	-18.10	34.27	40.00	-5.73	peak	P
2 *	79.9402	53.64	-18.01	35.63	40.00	-4.37	peak	P
3	100.0530	59.45	-28.23	31.22	43.50	-12.28	peak	P
4	184.1665	64.13	-27.47	36.66	43.50	-6.84	peak	P
5	280.0237	60.42	-25.60	34.82	46.00	-11.18	peak	P
6	793.3960	51.09	-23.75	27.34	46.00	-18.66	peak	P

TM1 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 !	60.0690	54.88	-20.15	34.73	40.00	-5.27	peak	P
2 *	76.1105	54.84	-19.89	34.95	40.00	-5.05	peak	P
3	96.0985	61.54	-28.88	32.66	43.50	-10.84	peak	P
4	156.1836	59.16	-27.73	31.43	43.50	-12.07	peak	P
5	184.1665	60.29	-27.47	32.82	43.50	-10.68	peak	P
6	280.5151	52.16	-25.60	26.56	46.00	-19.44	peak	P

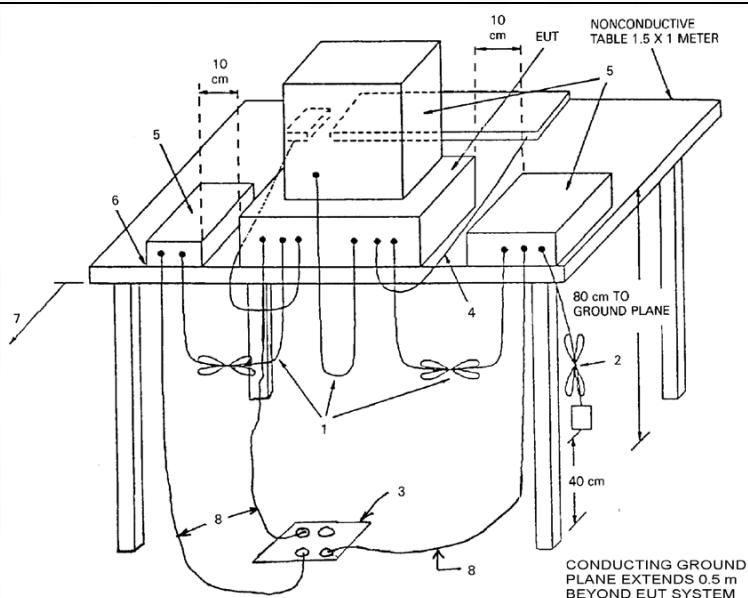
5.3 Radiated emissions (Above 1GHz)

Test Requirement:	15.109, Class B			
Test Method:	ANSI C63.4-2014 ANSI C63.4a-2017			
Test Limit:	Frequency of emission (MHz)		Field strength @3m	
	Average (uV/m)	Average(d BuV/m)	Peak (dBuV/m)	
	Above 1GHz	500	54	74
Procedure:	<p>An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. For below 1GHz test, Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. For above 1GHz test, Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.</p> <p>Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor</p>			

5.3.1 E.U.T. Operation:

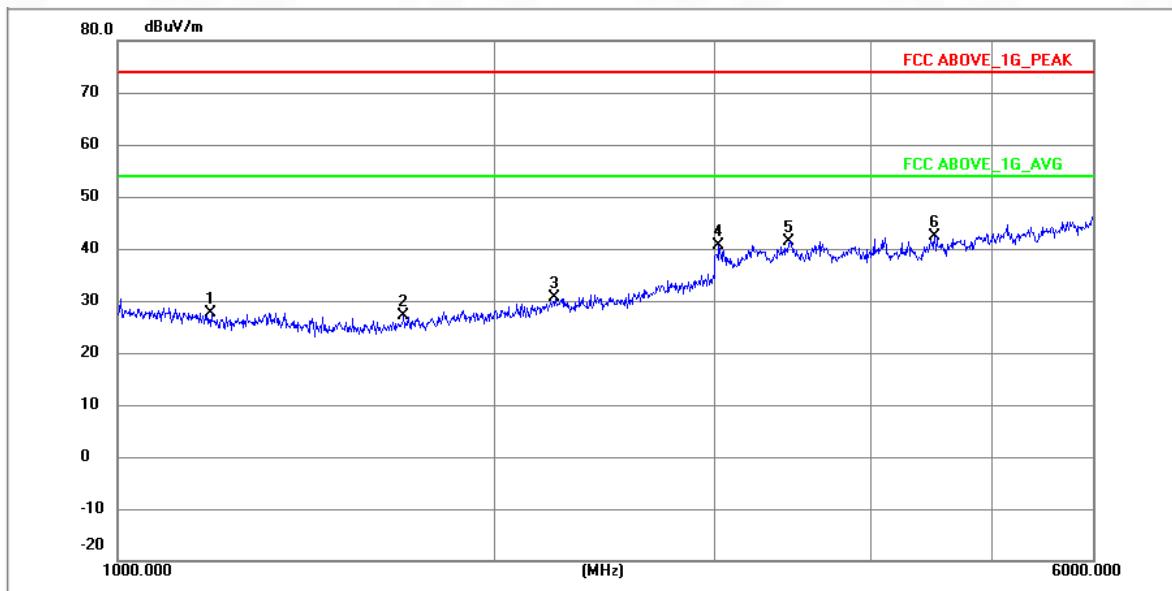
Operating Environment:			
Temperature:	22.1 °C		
Humidity:	47.1 %		
Atmospheric Pressure:	1010 mbar		

5.3.2 Test Setup Diagram:



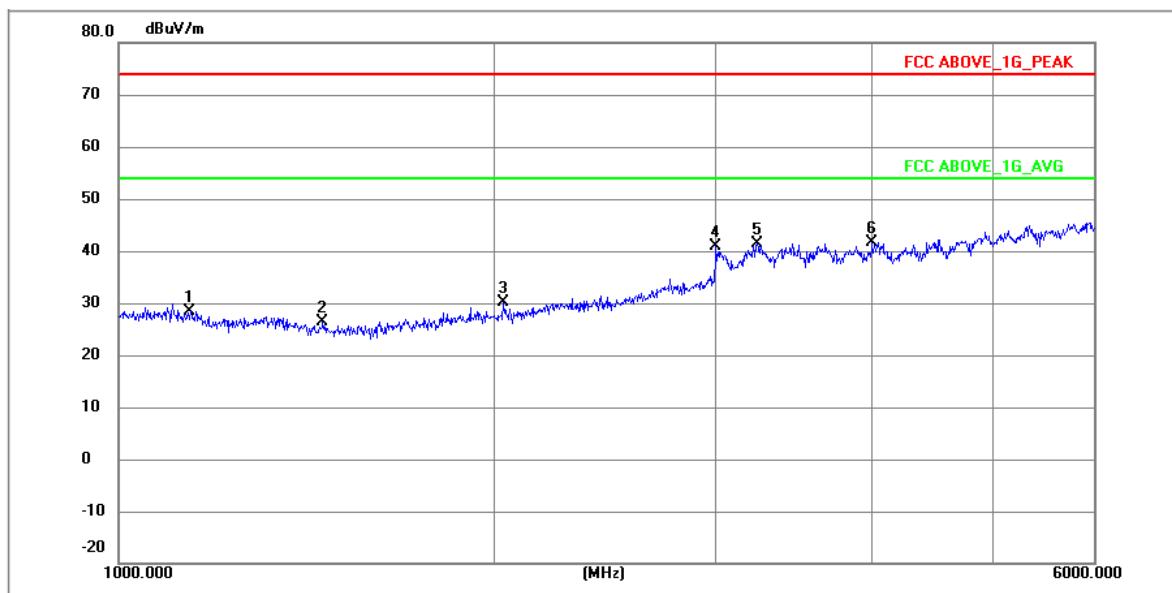
5.3.3 Test Data:

TM1 / Polarization: Horizontal



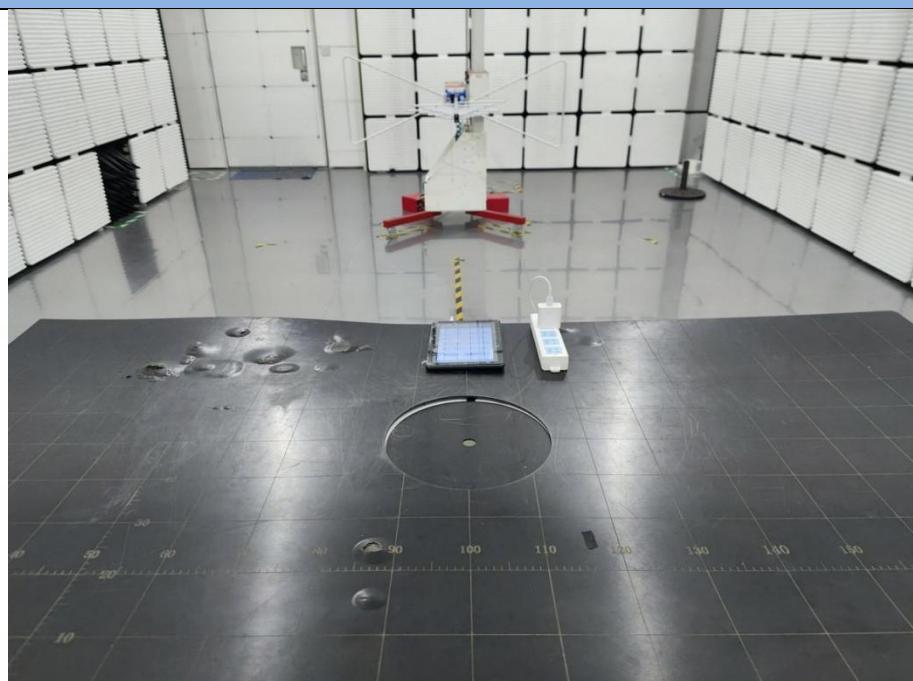
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1187.688	57.69	-30.00	27.69	74.00	-46.31	peak	P
2	1691.949	58.50	-31.40	27.10	74.00	-46.90	peak	P
3	2235.578	61.19	-30.67	30.52	74.00	-43.48	peak	P
4	3020.782	70.08	-29.50	40.58	74.00	-33.42	peak	P
5	3445.985	70.57	-29.10	41.47	74.00	-32.53	peak	P
6 *	4492.415	71.22	-28.79	42.43	74.00	-31.57	peak	P

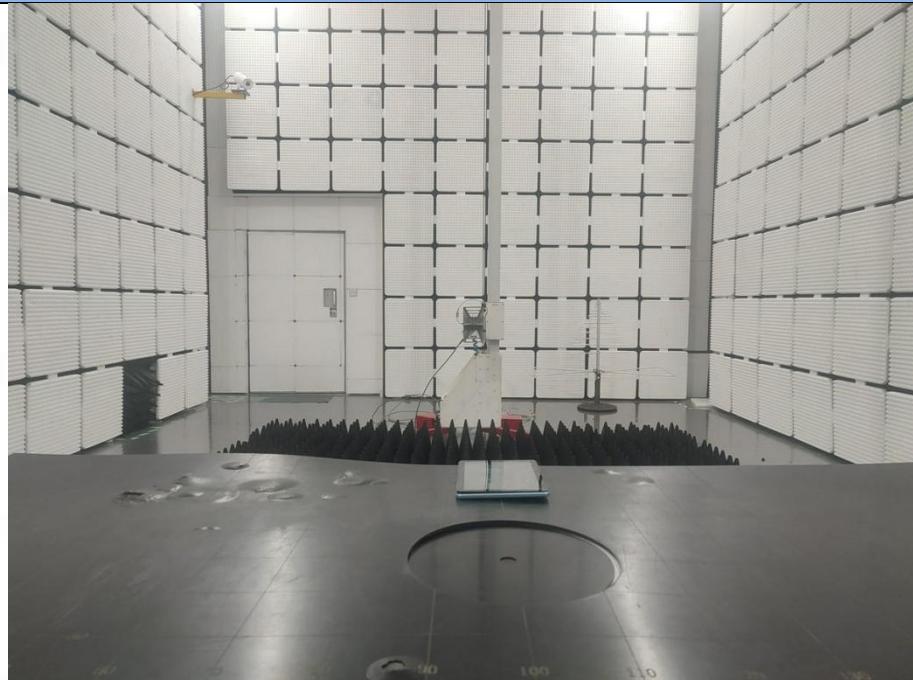
TM1 / Polarization: Vertical



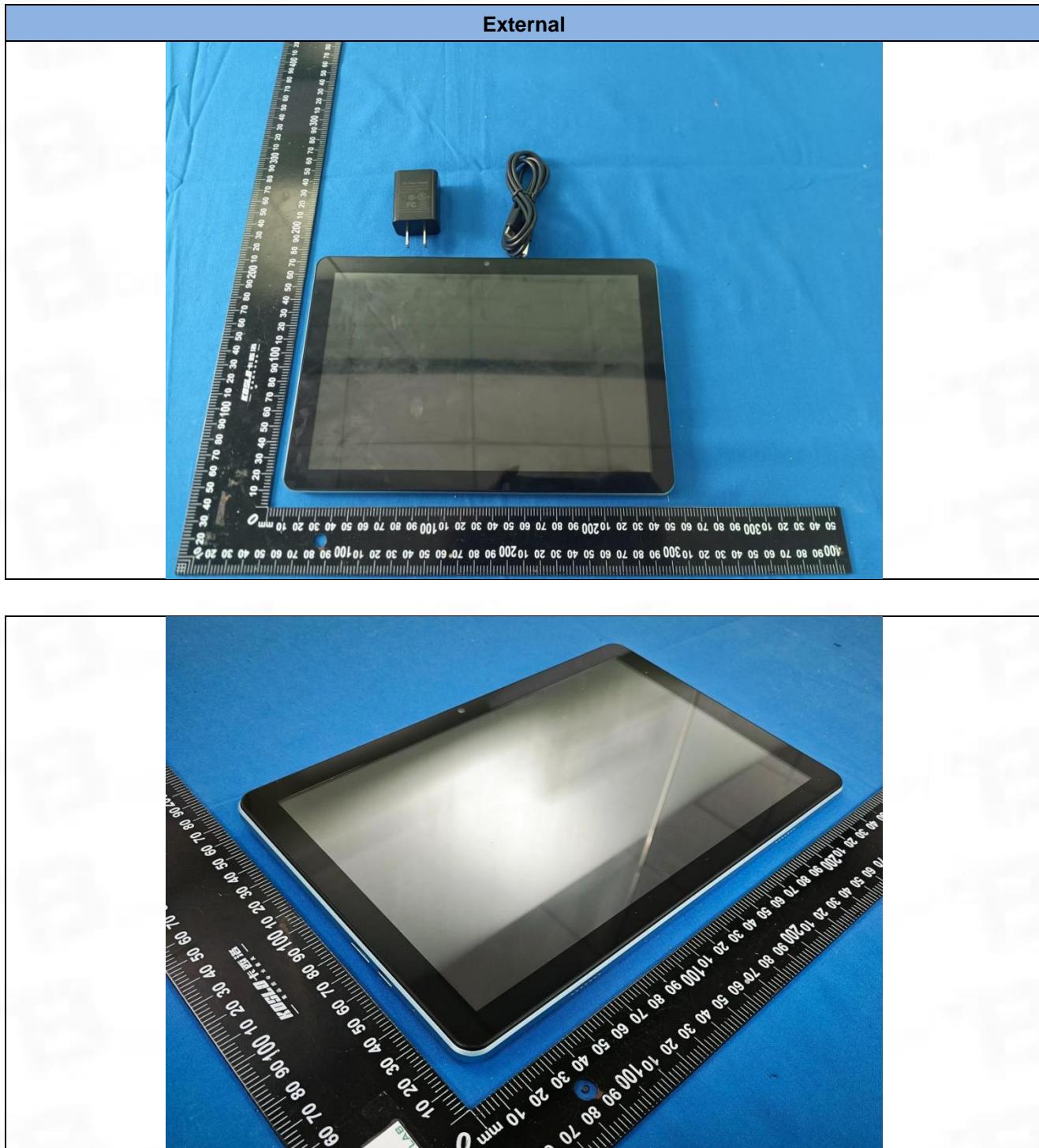
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1142.805	58.15	-29.75	28.40	74.00	-45.60	peak	P
2	1456.840	57.97	-31.47	26.50	74.00	-47.50	peak	P
3	2025.777	61.11	-30.90	30.21	74.00	-43.79	peak	P
4	3004.588	70.34	-29.51	40.83	74.00	-33.17	peak	P
5	3239.420	70.69	-29.29	41.40	74.00	-32.60	peak	P
6 *	3998.527	70.59	-29.00	41.59	74.00	-32.41	peak	P

6 Test Setup Photos

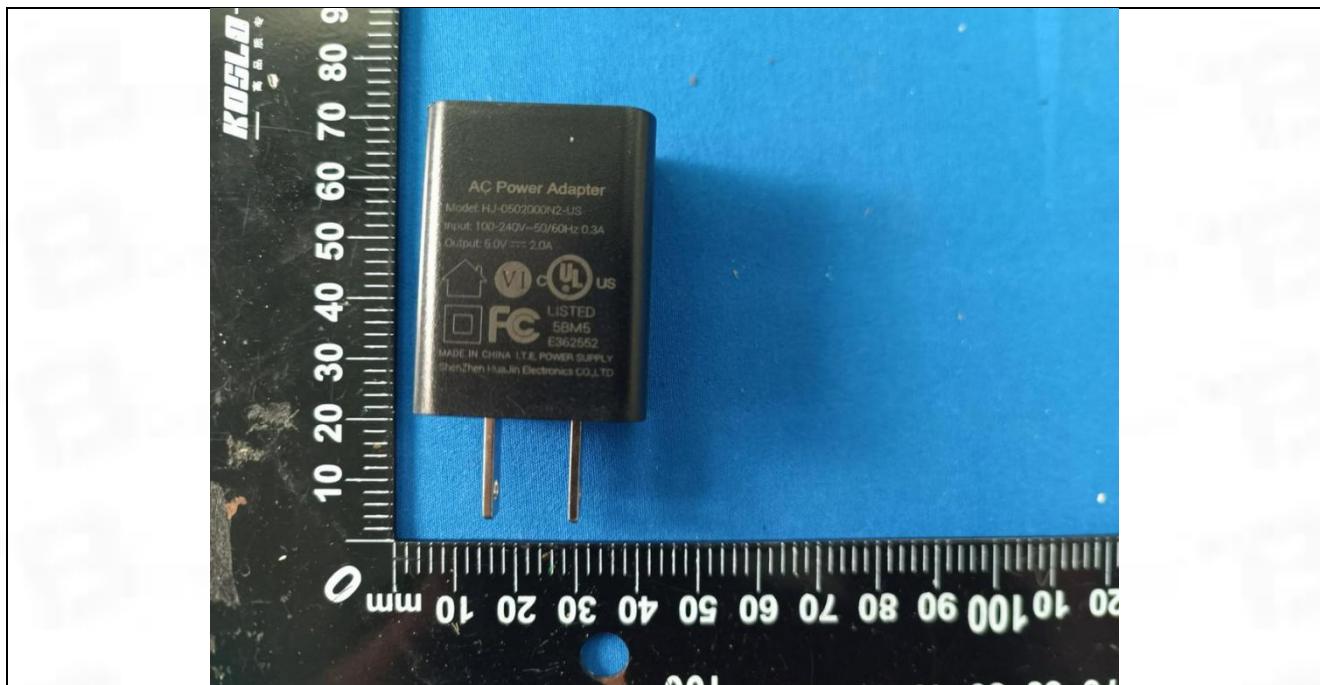
Conducted emissions on AC mains**Radiated emissions (Below 1GHz)**

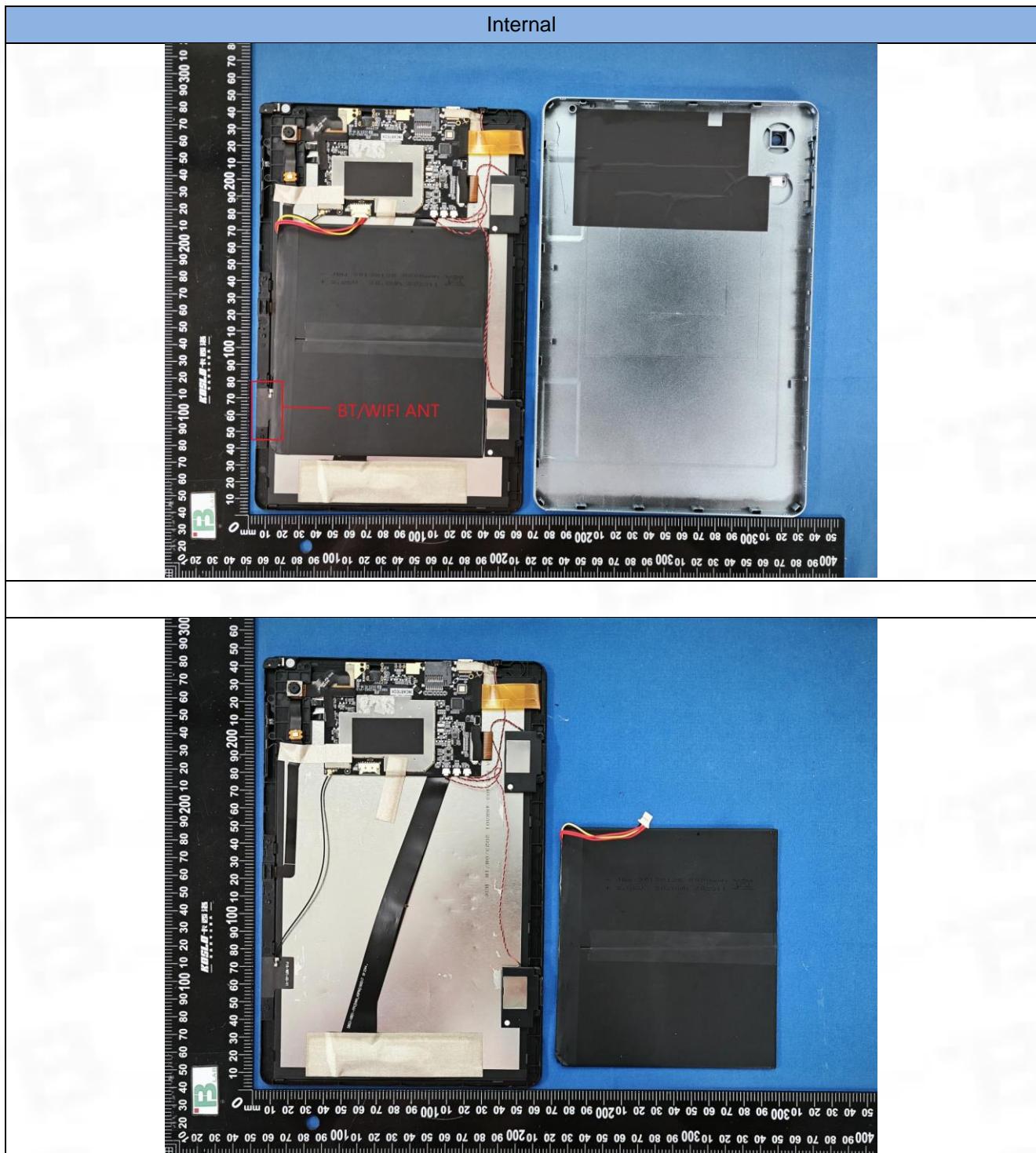
Radiated emissions (Above 1GHz)

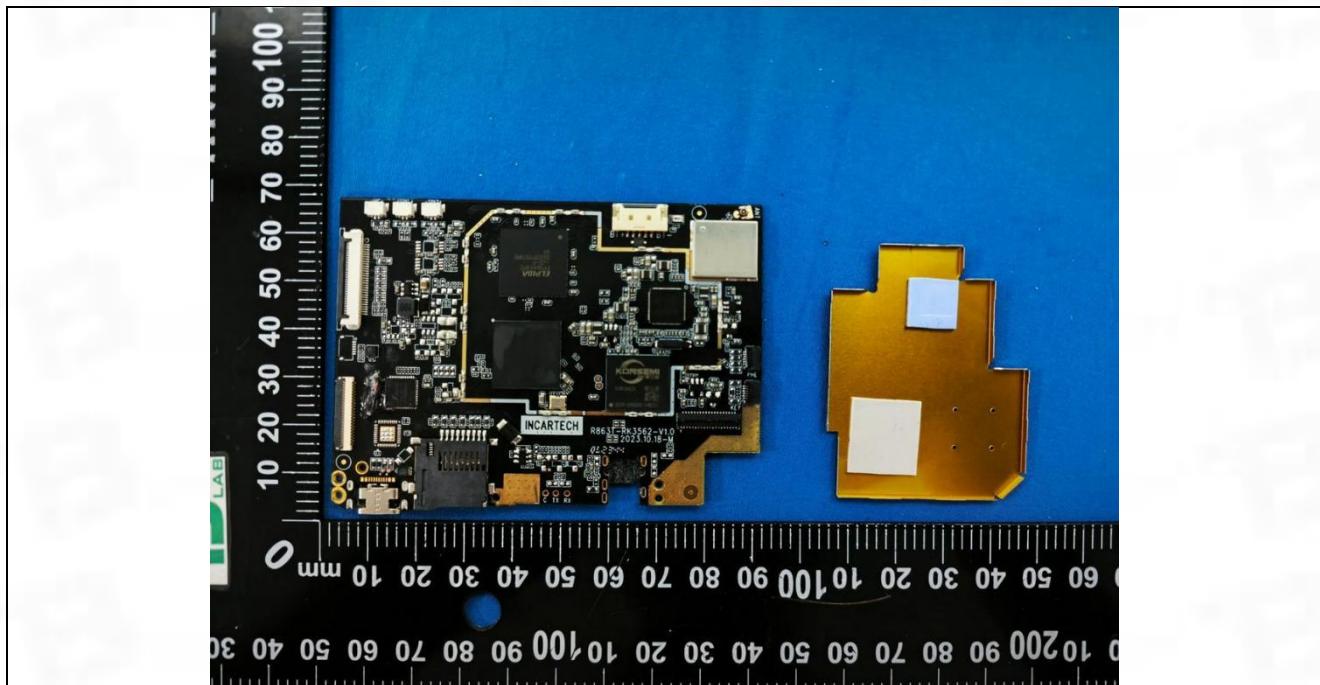
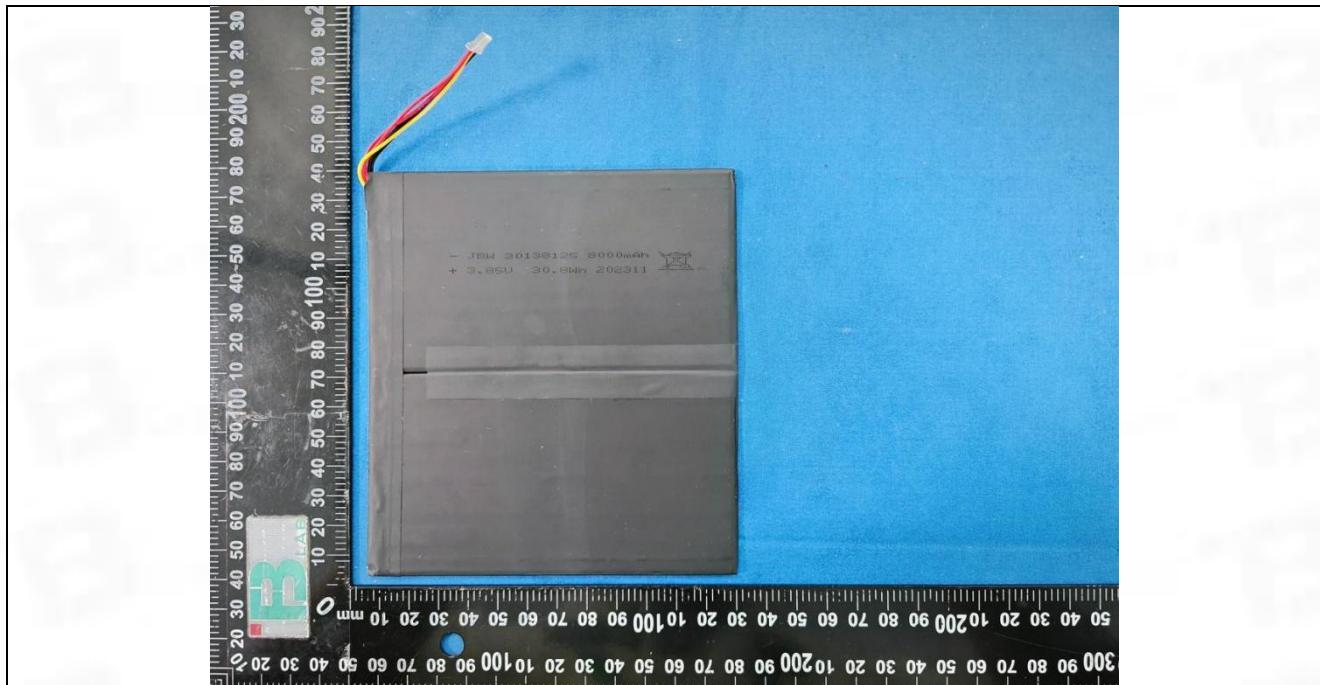
7 EUT Constructional Details (EUT Photos)

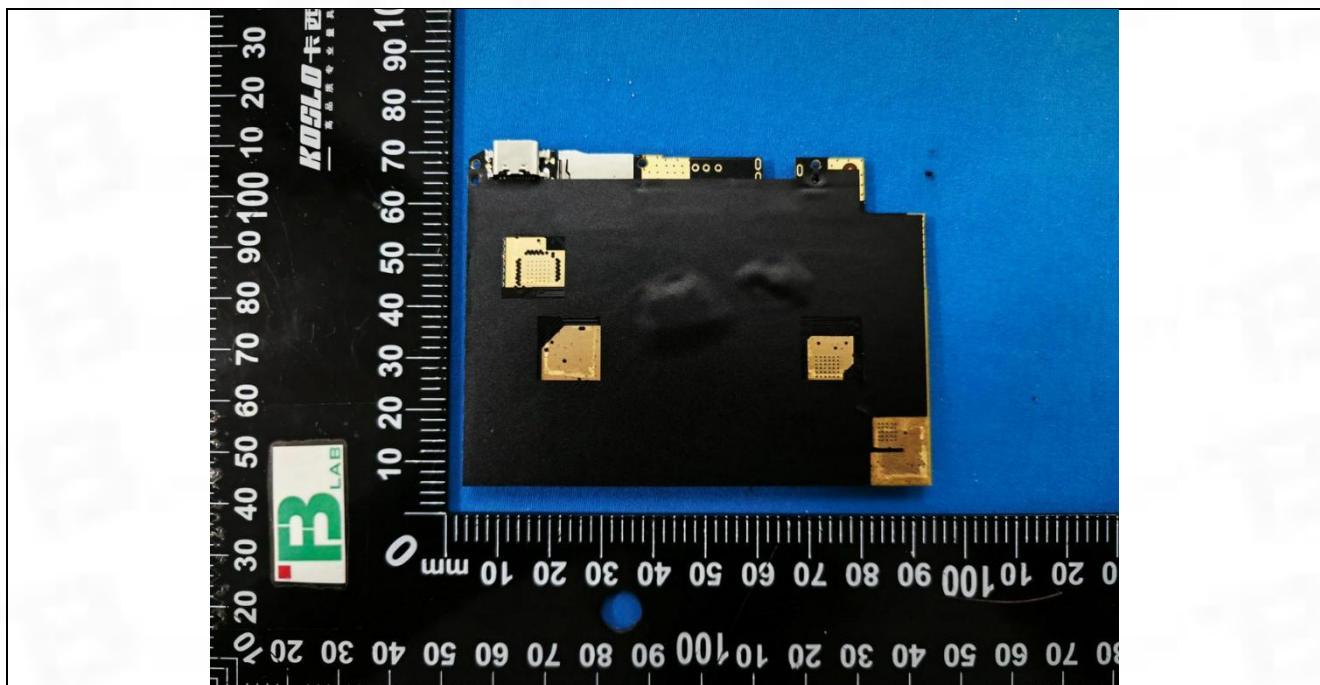
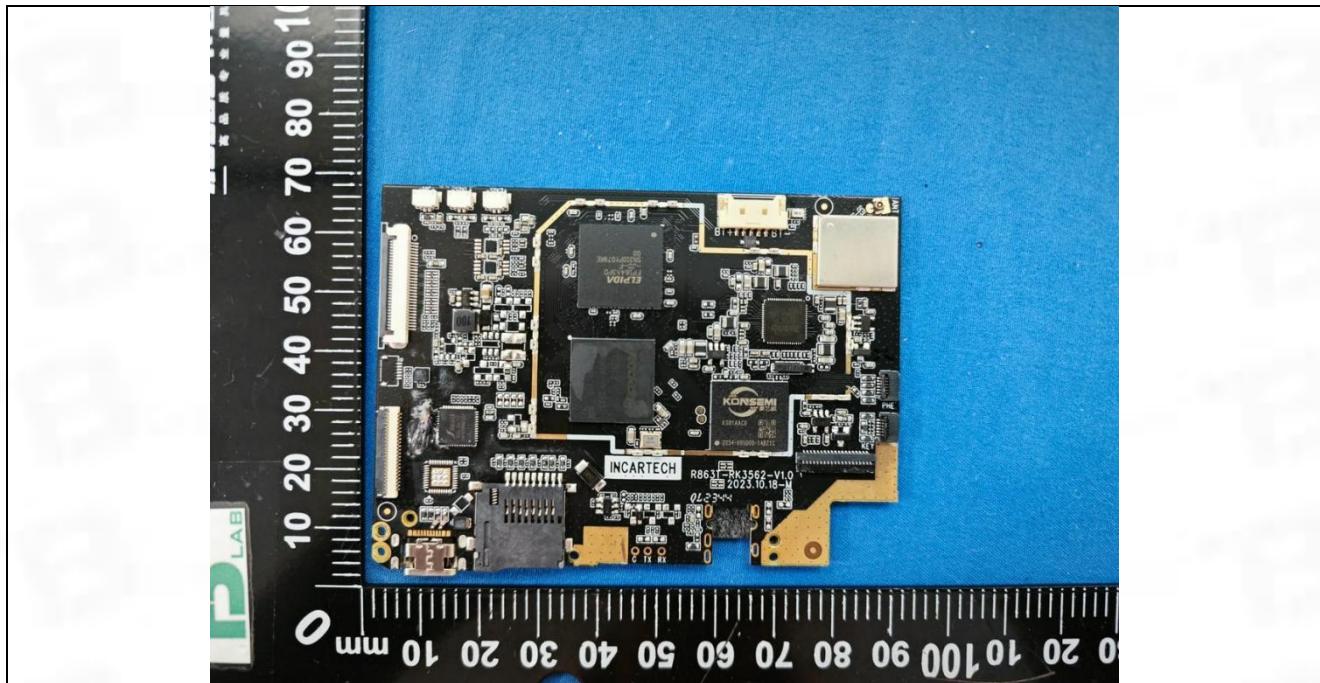














Test Report Number: BTF231127E00401



BTF Testing Lab (Shenzhen) Co., Ltd.

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Bao'an District, Shenzhen, China

www.btf-lab.com

-- END OF REPORT --