



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: OT5
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: BTF230921E00401
Test Standards: 47 CFR Part 15, Subpart B

Test Conclusion: Pass
FCC ID: 2ANMU-OT5
Test Date: 2023-09-21 to 2023-10-13
Date of Issue: 2023-10-16

Prepared By:

Chris Liu

Chris Liu / Project Engineer

Date:

2023-10-16

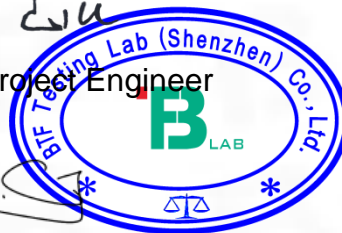
Approved By:

Ryan.CJ

Ryan.CJ / EMC Manager

Date:

2023-10-16



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Revision History		
Version	Issue Date	Revisions Content
R_V0	2023-10-16	Original
<i>Note: Once the revision has been made, then previous versions reports are invalid.</i>		

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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:	OT5
Series Model Number:	OT5 S, OT5 Pro, OT5 Ultra
Description of Model name differentiation:	Only the model name is different, everything else is the same
Hardware Version:	Q2_TV1.0
Software Version:	OUKITEL_OT5_EEA_V04

2.5 Technical Information

Power Supply:	AC 120V 60HZ
Power Adaptor:	Fast Charger Model:HJ-PD20W-US Input:100-240v~50/60Hz 0.6A Output:5.0V==3.0A 15.0W OR 9.0V==2.22A 19.98W OR 12.0V==1.67V 20.0W MAX

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)	± 2.64 dB
Radiated Emissions (30M - 1GHz)	± 4.12 dB
Radiated Emissions (above 1GHz)	1-6GHz: ± 3.94 dB 6-18GHz: ± 4.16 dB

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	2022-11-24	2023-11-23
Coaxial Switcher	SCHWARZBECK	CX210	CX210	2022-11-24	2023-11-23
V-LISN	SCHWARZBECK	NSLK 8127	01073	2022-11-24	2023-11-23
LISN	AFJ	LS16/110VAC	16010020076	2023-02-23	2024-02-22
EMI Receiver	ROHDE&SCHWARZ	ESCI3	101422	2022-11-24	2023-11-23

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	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-10m	21101566	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF1-SMASMAM-1m	21101568	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022-11-24	2023-11-23
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022-11-24	2023-11-23
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021-11-28	2023-11-27
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI7	101032	2022-11-24	2023-11-23
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2022-11-24	2023-11-23
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	2021-11-28	2023-11-27

4.2 Test Auxiliary Equipment

The EUT was tested as an independent device.

4.3 Test Modes

No.	Test Modes	Description
TM1	TM1	DATA TRANSMISSION
TM2	TM2	VIDEO RECORD
TM3	TM3	Memory Playing

5 Emission Test Results (EMI)

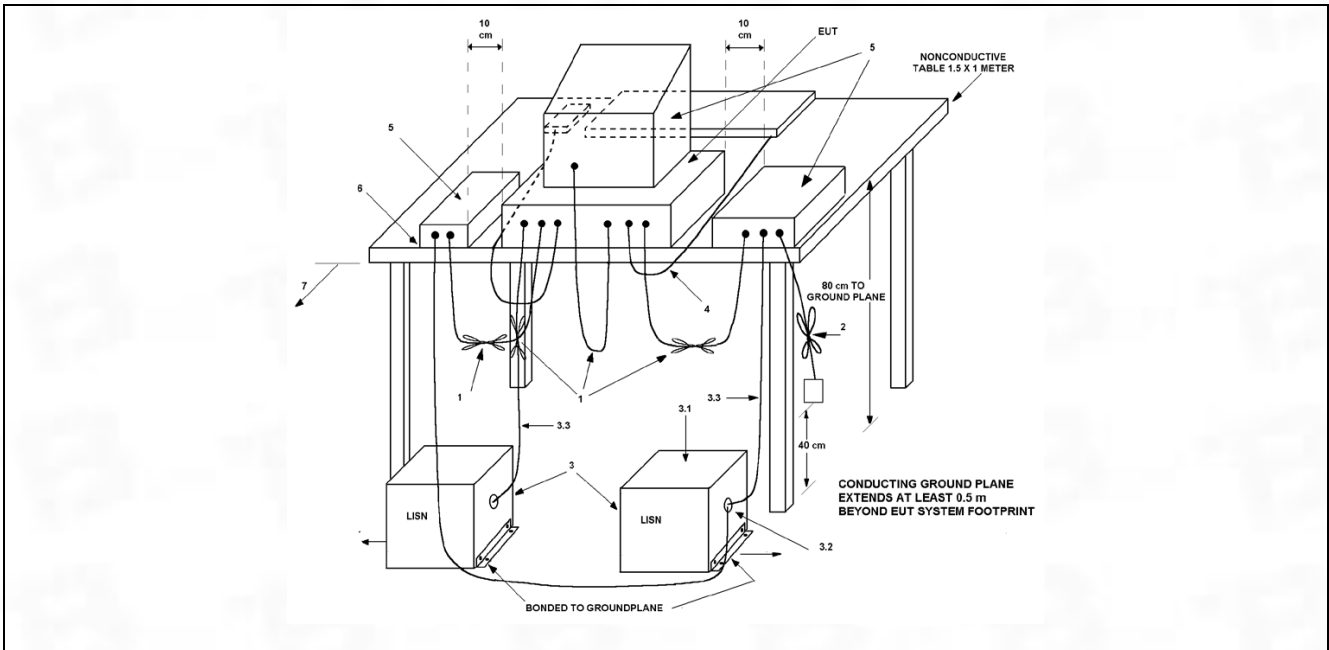
5.1 Conducted emissions on AC mains

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

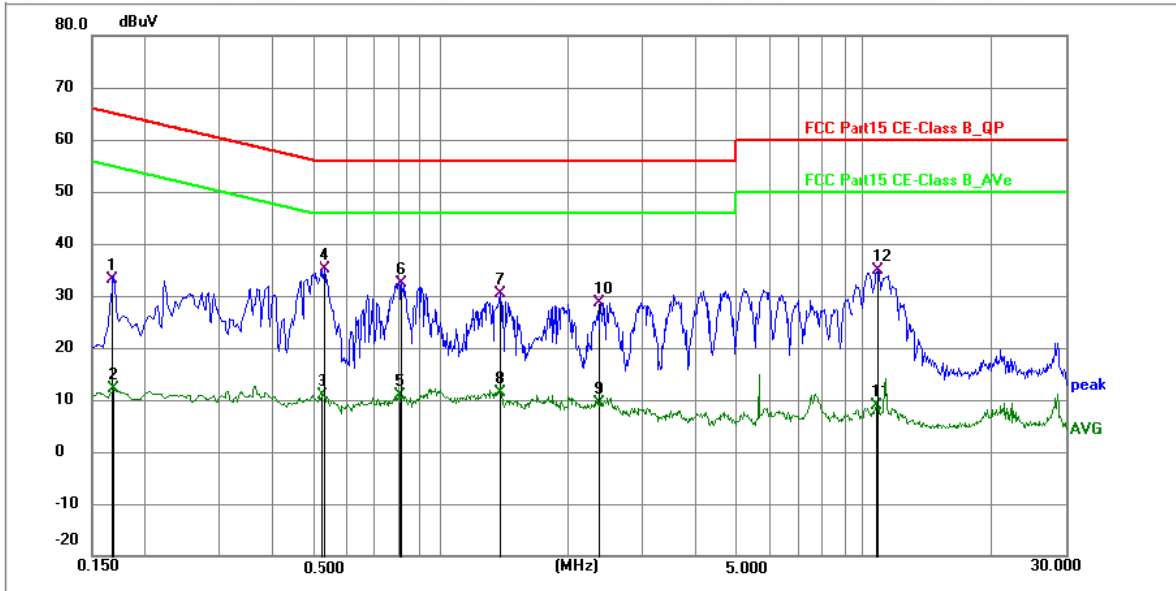
Operating Environment:	
Temperature:	24 °C
Humidity:	52.2 %
Atmospheric Pressure:	1010 mbar

5.1.2 Test Setup Diagram:



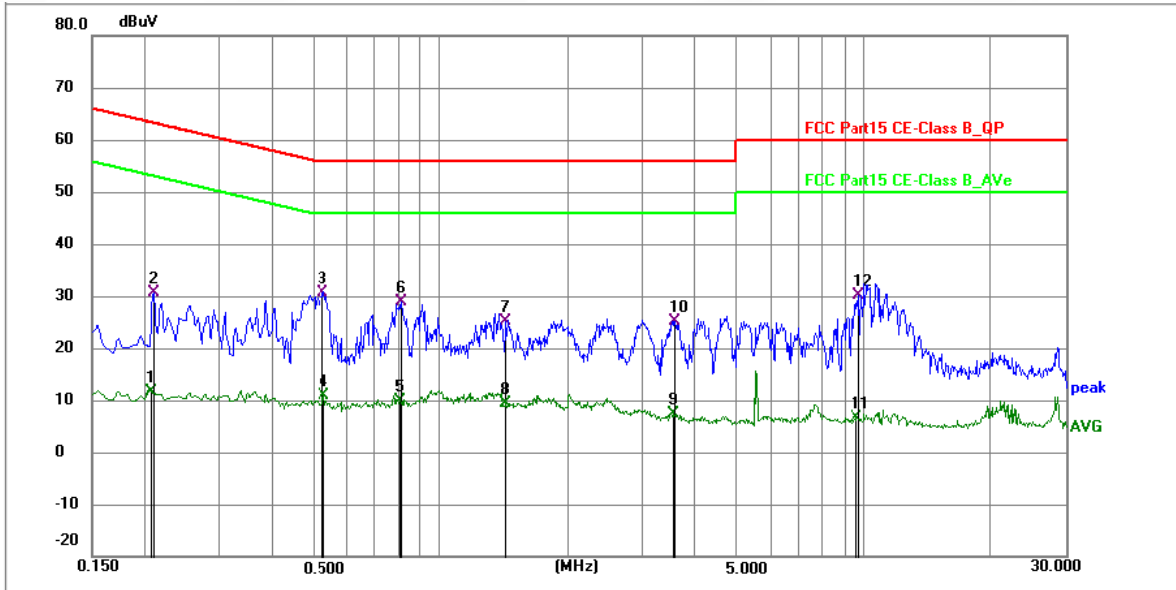
5.1.3 Test Data:

TM1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1675	22.64	10.56	33.20	65.08	-31.88	QP	P	
2	0.1680	1.47	10.56	12.03	55.06	-43.03	AVG	P	
3	0.5231	0.35	10.62	10.97	46.00	-35.03	AVG	P	
4 *	0.5322	24.42	10.63	35.05	56.00	-20.95	QP	P	
5	0.8024	0.09	10.75	10.84	46.00	-35.16	AVG	P	
6	0.8114	21.53	10.75	32.28	56.00	-23.72	QP	P	
7	1.3872	19.76	10.74	30.50	56.00	-25.50	QP	P	
8	1.3872	0.65	10.74	11.39	46.00	-34.61	AVG	P	
9	2.3774	-1.29	10.70	9.41	46.00	-36.59	AVG	P	
10	2.3909	18.05	10.70	28.75	56.00	-27.25	QP	P	
11	10.7475	-2.06	10.94	8.88	50.00	-41.12	AVG	P	
12	10.8375	23.99	10.95	34.94	60.00	-25.06	QP	P	

TM1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2071	0.96	10.59	11.55	53.32	-41.77	AVG	P	
2	0.2084	19.98	10.59	30.57	63.27	-32.70	QP	P	
3 *	0.5264	19.97	10.62	30.59	56.00	-25.41	QP	P	
4	0.5280	0.35	10.62	10.97	46.00	-35.03	AVG	P	
5	0.8070	-0.82	10.75	9.93	46.00	-36.07	AVG	P	
6	0.8114	18.01	10.75	28.76	56.00	-27.24	QP	P	
7	1.4280	14.45	10.74	25.19	56.00	-30.81	QP	P	
8	1.4280	-1.27	10.74	9.47	46.00	-36.53	AVG	P	
9	3.5565	-3.32	10.72	7.40	46.00	-38.60	AVG	P	
10	3.5655	14.51	10.72	25.23	56.00	-30.77	QP	P	
11	9.6674	-4.28	10.93	6.65	50.00	-43.35	AVG	P	
12	9.7440	19.16	10.93	30.09	60.00	-29.91	QP	P	

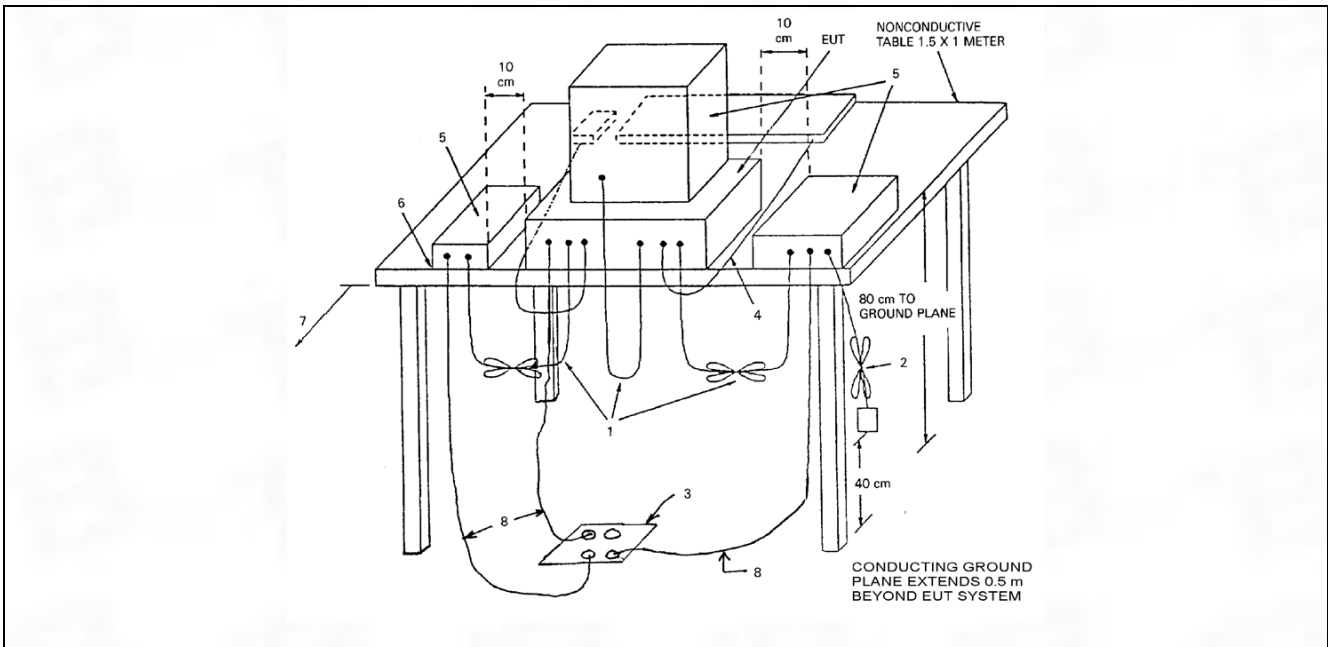
5.2 Radiated emissions (Below 1GHz)

Test Requirement:	15.109, Class B				
Test Method:	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:				
	Frequency of emission (MHz)	Field strength @3m		Field strength @10m	
		(uV/m)	(dBuV/m)	(uV/m)	(dBuV/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:	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. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor				

5.2.1 E.U.T. Operation:

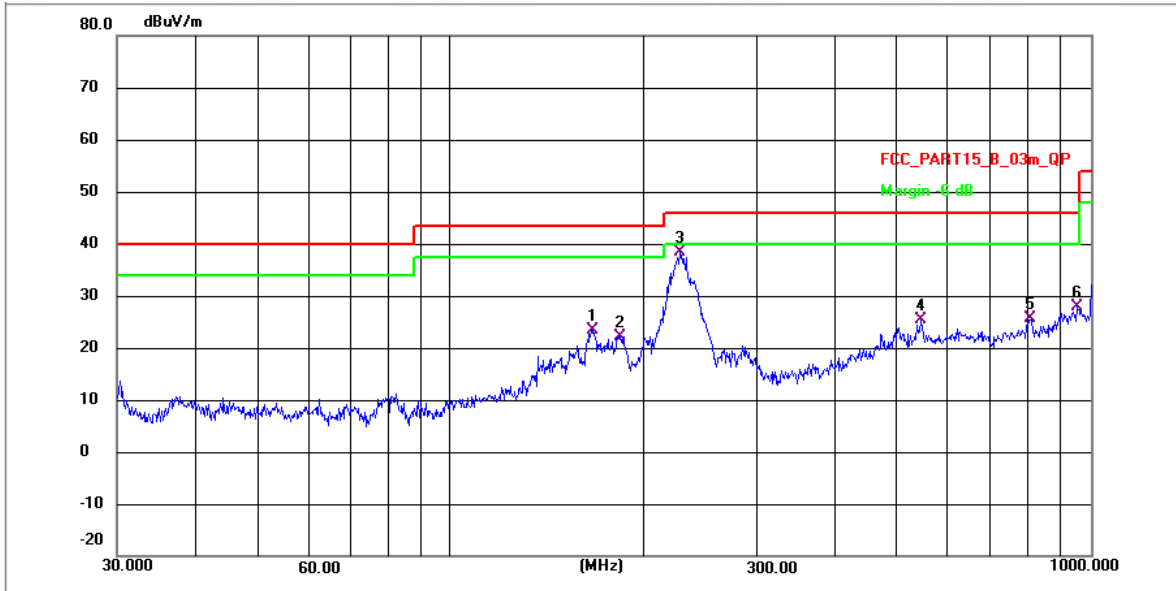
Operating Environment:	
Temperature:	24 °C
Humidity:	52.2 %
Atmospheric Pressure:	1010 mbar

5.2.2 Test Setup Diagram:



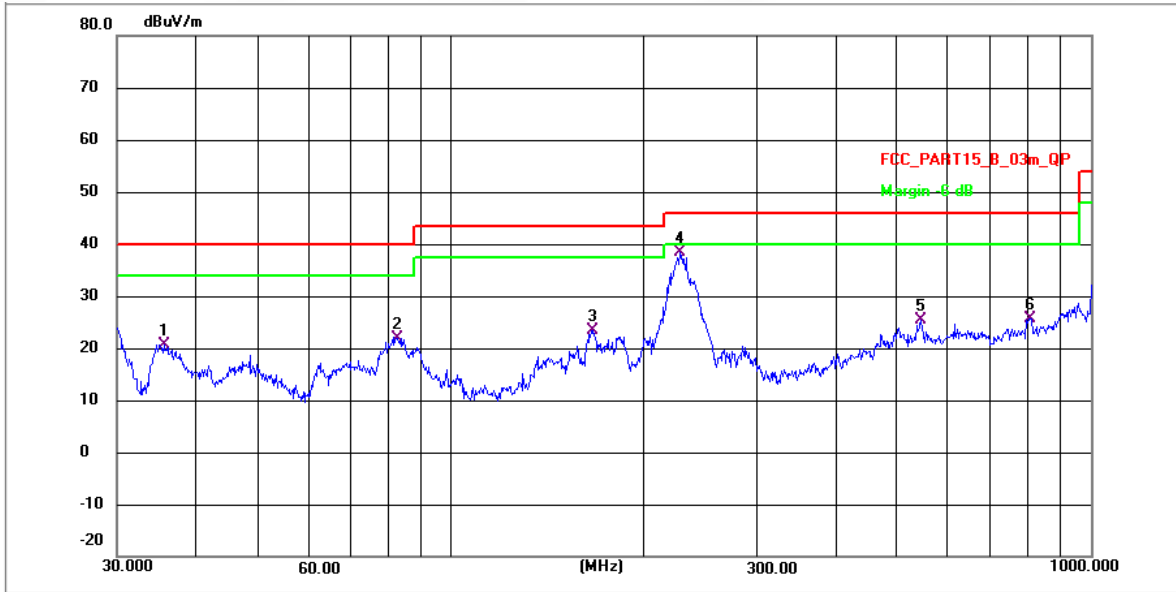
5.2.3 Test Data:

TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	166.9438	40.22	-16.84	23.38	43.50	-20.12	QP	P
2	184.1667	40.13	-17.97	22.16	43.50	-21.34	QP	P
3 *	228.4904	54.76	-16.38	38.38	46.00	-7.62	QP	P
4	544.2276	37.42	-11.95	25.47	46.00	-20.53	QP	P
5	808.8459	49.31	-23.57	25.74	46.00	-20.26	QP	P
6	952.0937	49.72	-21.77	27.95	46.00	-18.05	QP	P

TM1 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	35.5615	41.31	-20.62	20.69	40.00	-19.31	QP	P
2	82.5034	40.79	-18.86	21.93	40.00	-18.07	QP	P
3	166.9438	37.65	-14.27	23.38	43.50	-20.12	QP	P
4 *	228.4904	52.95	-14.57	38.38	46.00	-7.62	QP	P
5	544.2276	37.06	-11.59	25.47	46.00	-20.53	QP	P
6	808.8459	49.31	-23.57	25.74	46.00	-20.26	QP	P

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	1580.983	79.15	-29.95	49.20	68.20	-19.00	peak	P
2	1732.012	80.94	-30.46	50.48	68.20	-17.72	peak	P
3	1951.338	82.60	-30.68	51.92	68.20	-16.28	peak	P
4	2931.608	79.17	-31.46	47.71	68.20	-20.49	peak	P
5	4065.278	81.20	-31.95	49.25	68.20	-18.95	peak	P
6	5356.008	83.61	-31.04	52.57	68.20	-15.63	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	1336.694	79.29	-29.85	49.44	68.20	-18.76	peak	P
2	1487.723	81.08	-30.36	50.72	68.20	-17.48	peak	P
3	1707.049	82.74	-30.58	52.16	68.20	-16.04	peak	P
4	2687.319	79.31	-31.36	47.95	68.20	-20.25	peak	P
5	3820.989	81.34	-31.85	49.49	68.20	-18.71	peak	P
6	5111.719	83.75	-30.94	52.81	68.20	-15.39	peak	P

6 Test Setup Photos

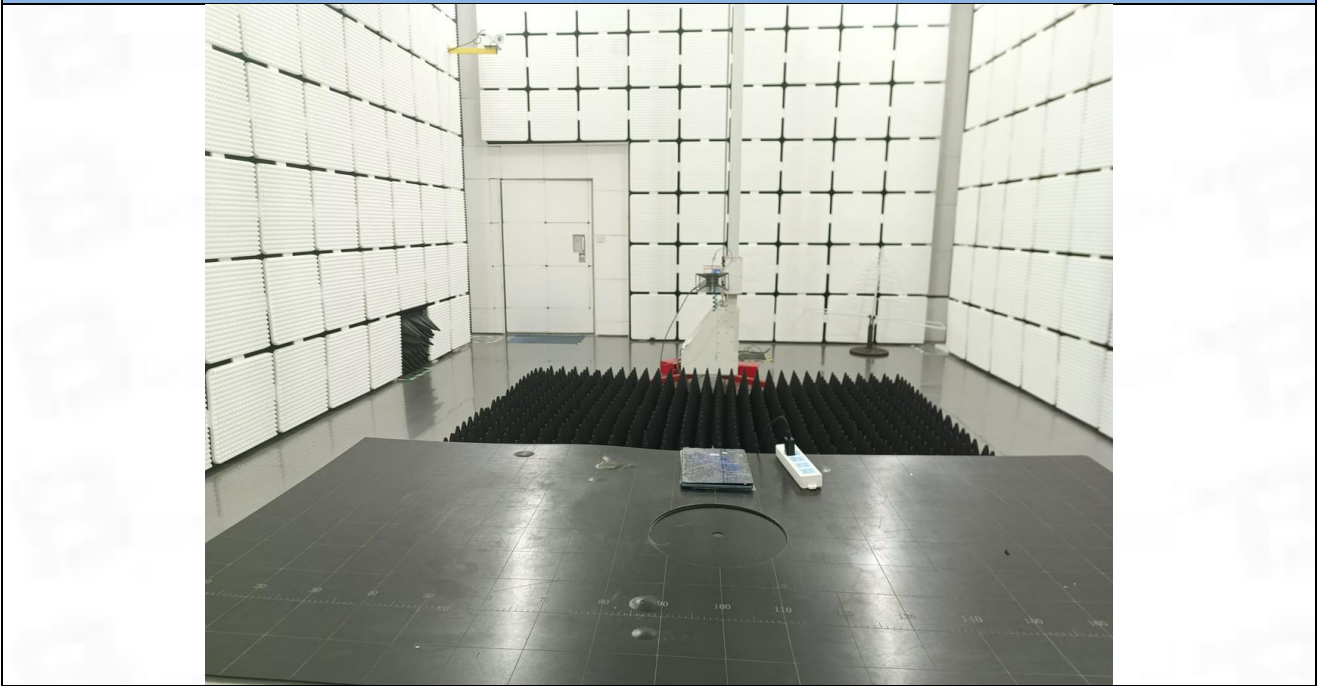
Conducted emissions on AC mains



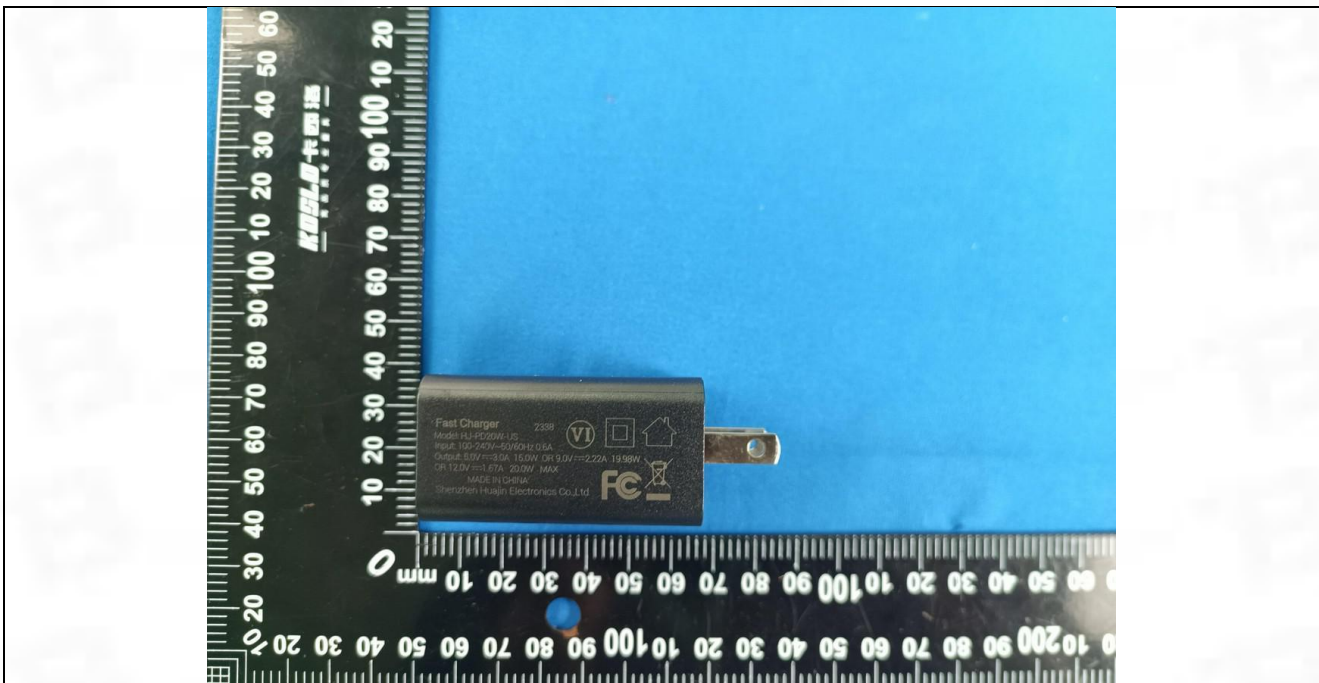
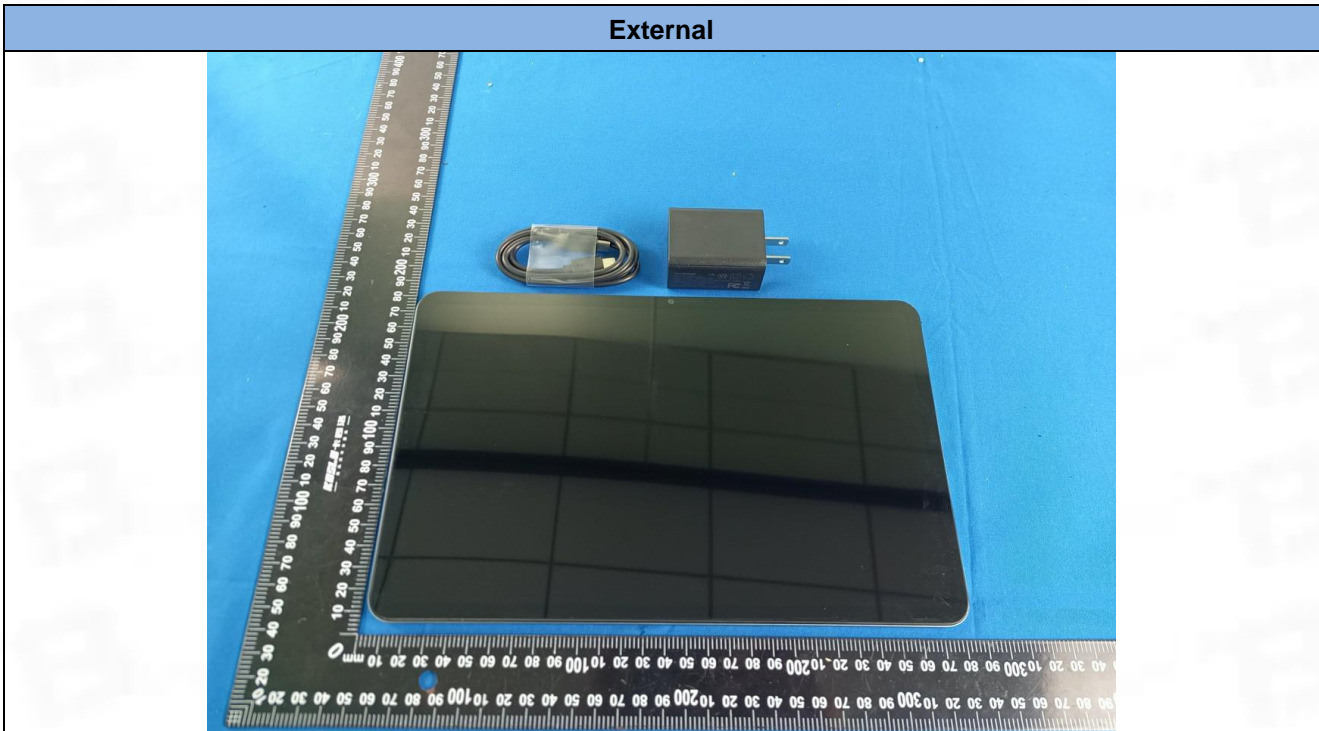
Radiated emissions (Below 1GHz)

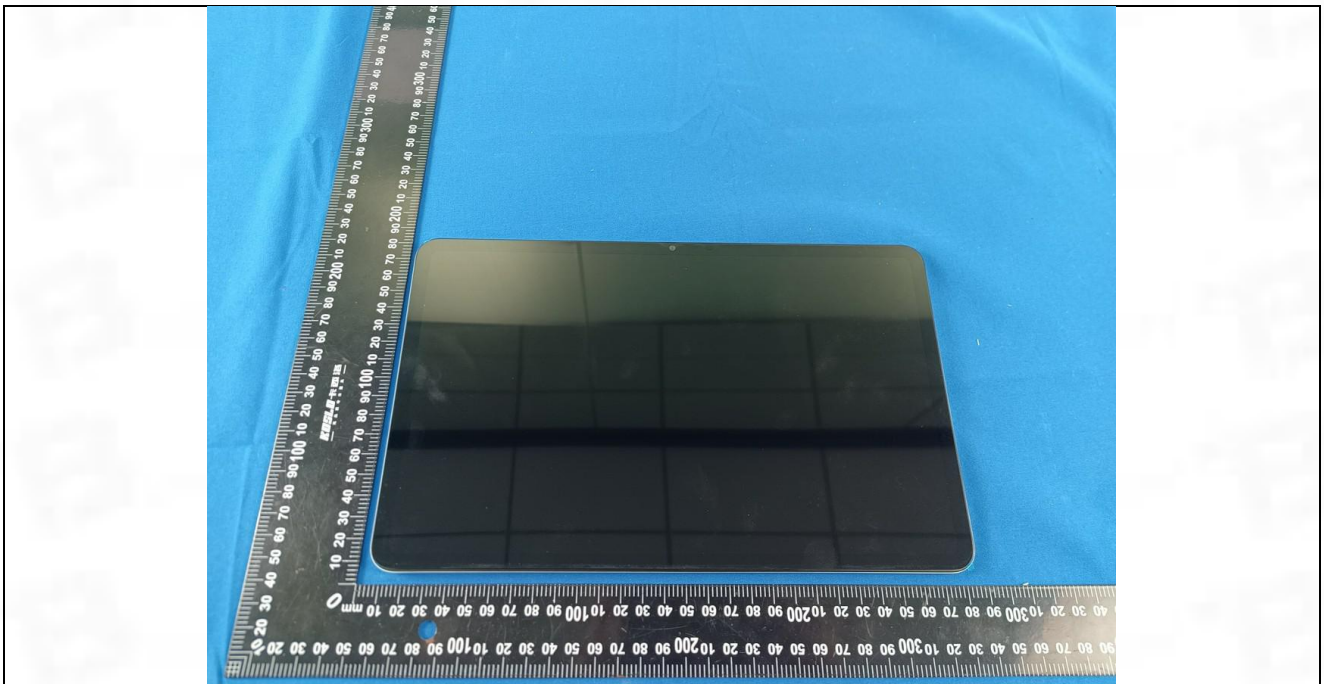
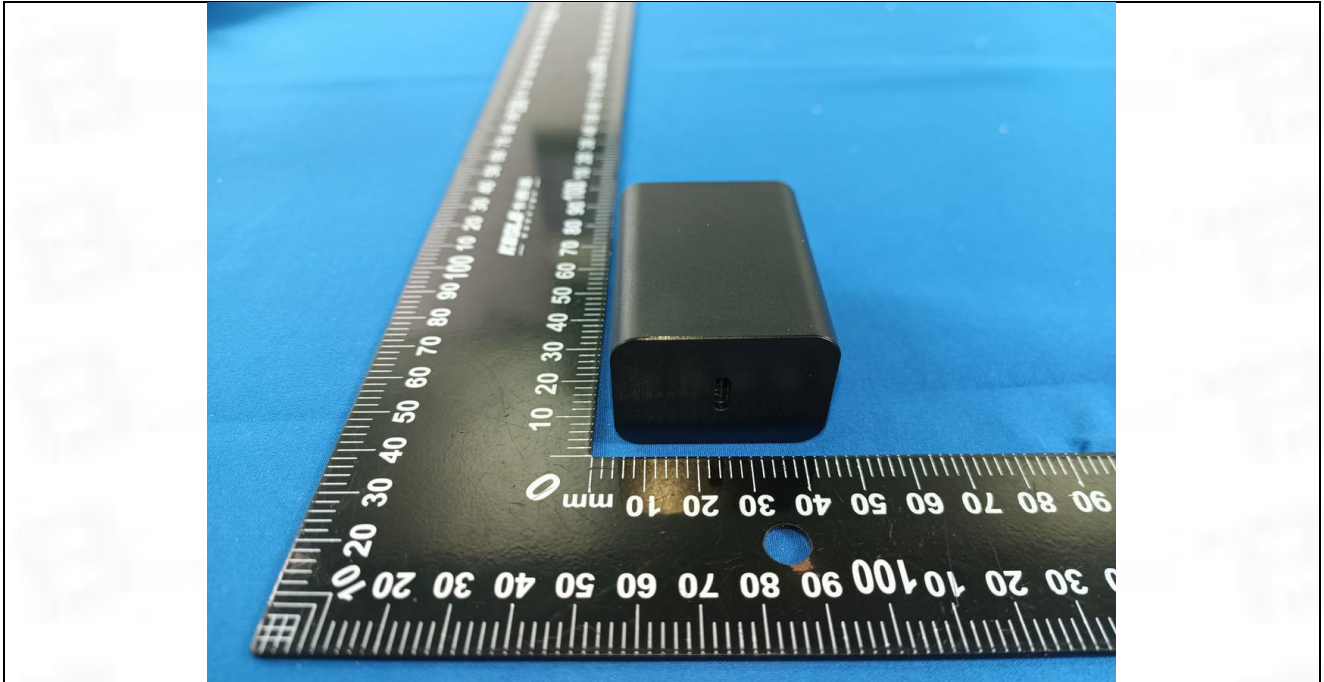


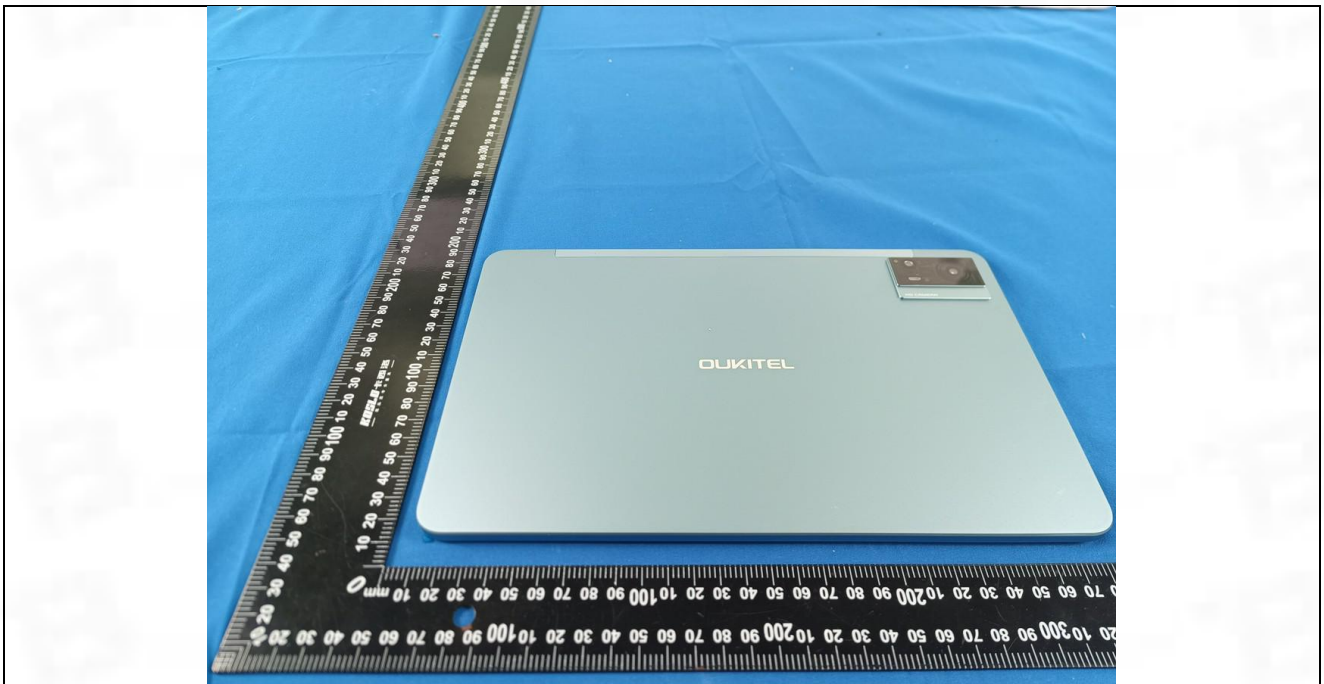
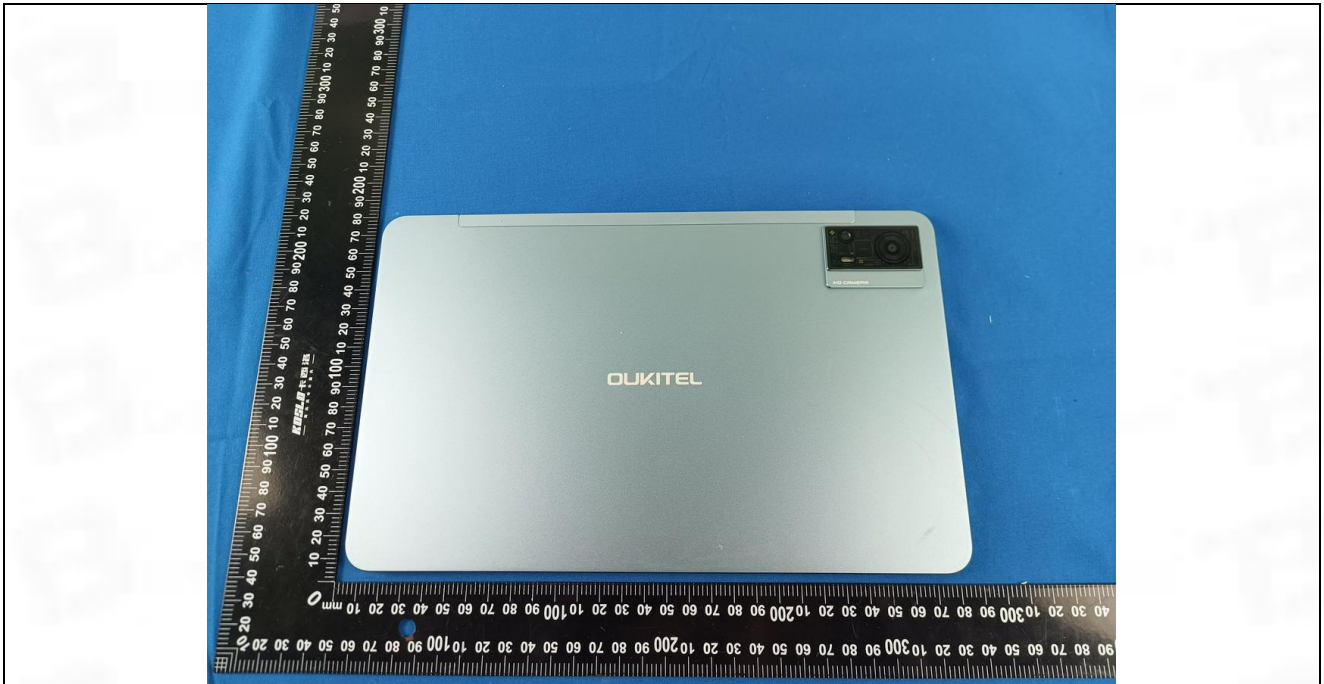
Radiated emissions (Above 1GHz)

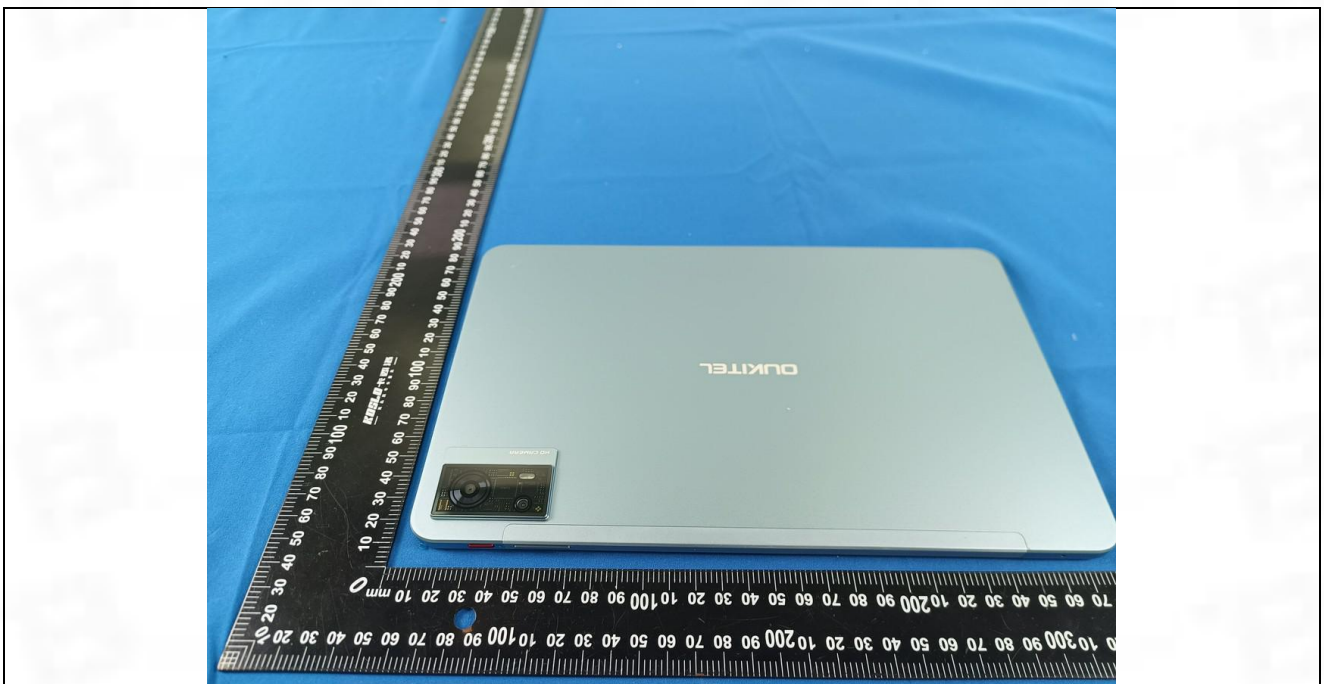
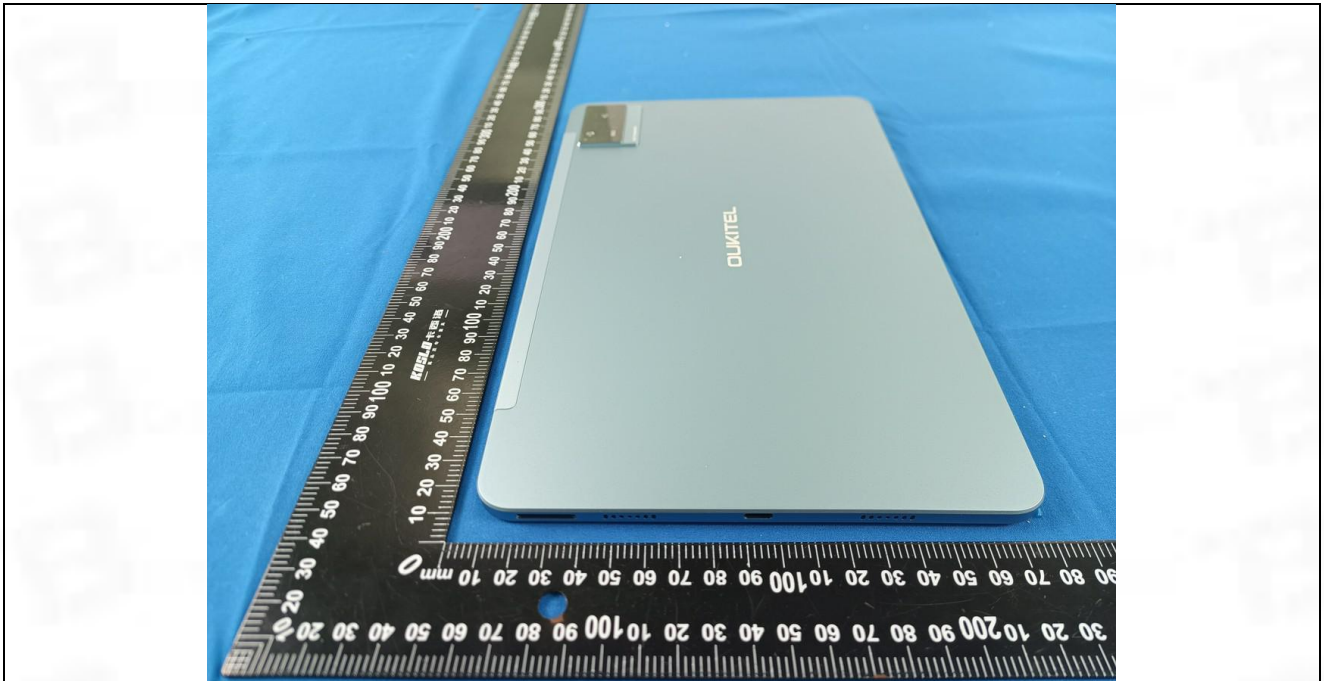


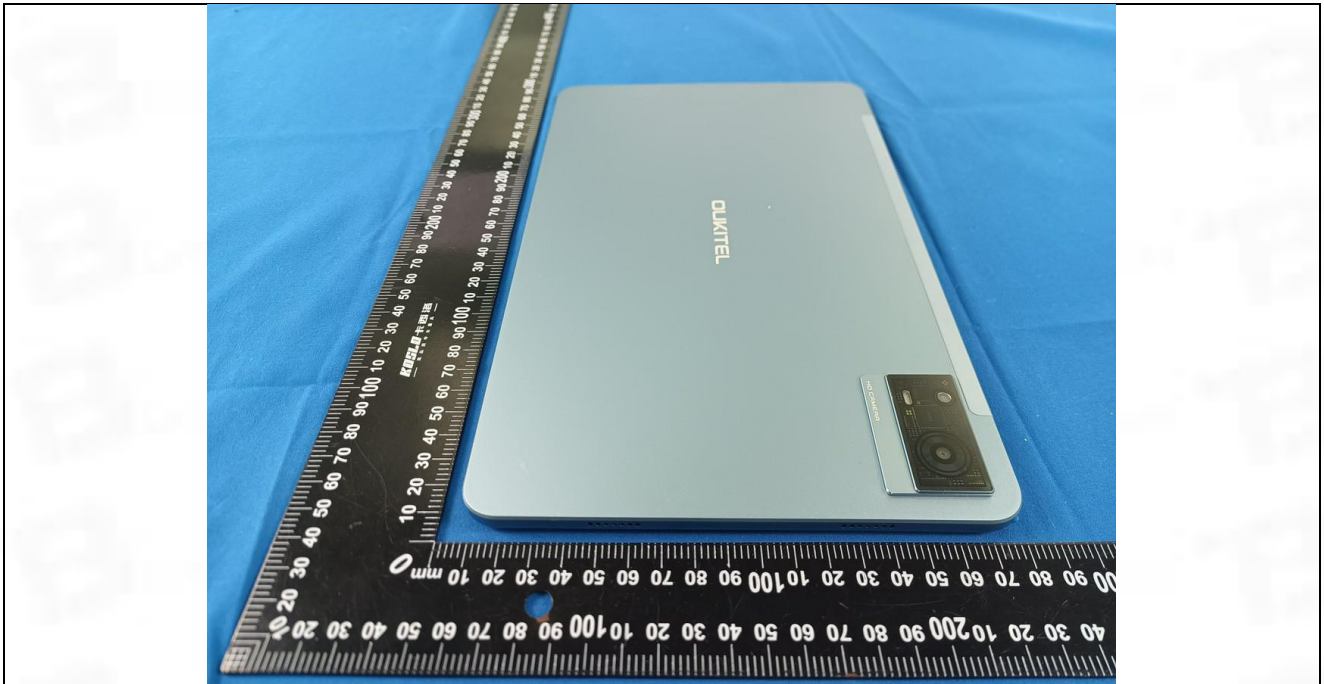
7 EUT Constructional Details (EUT Photos)



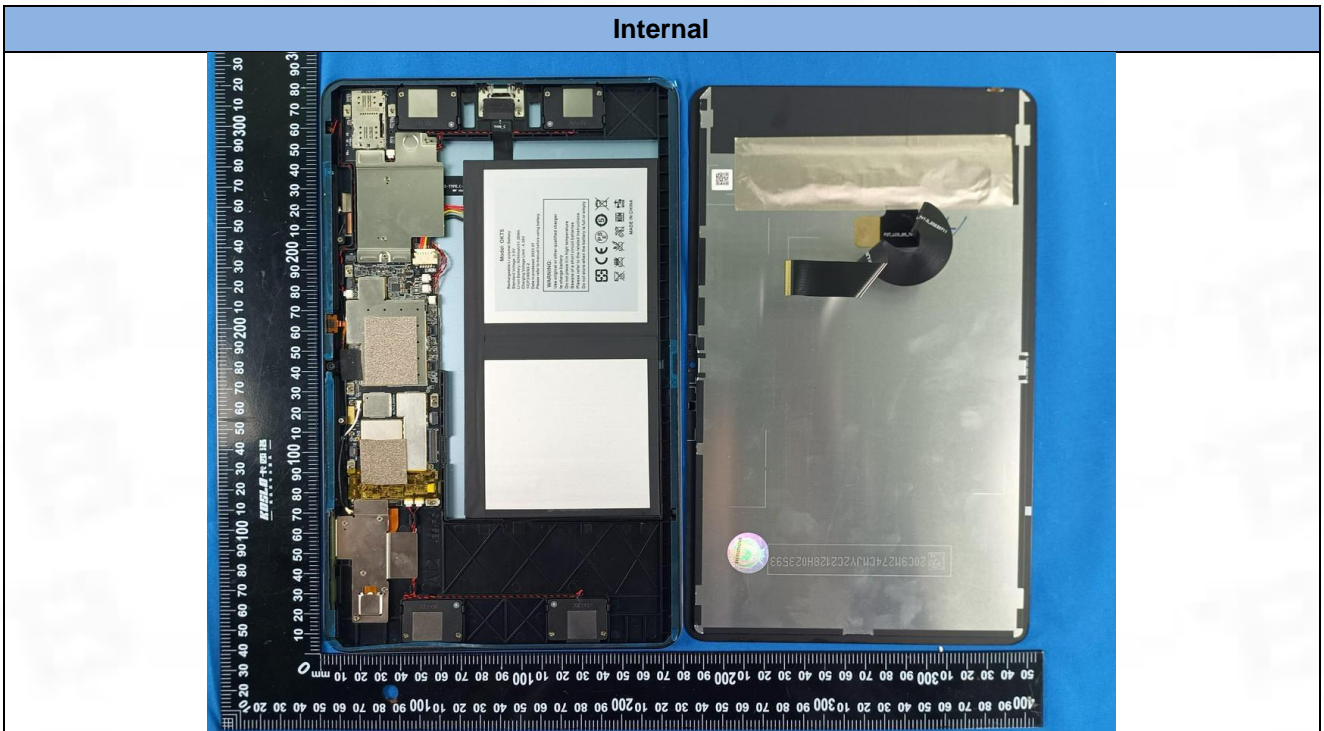


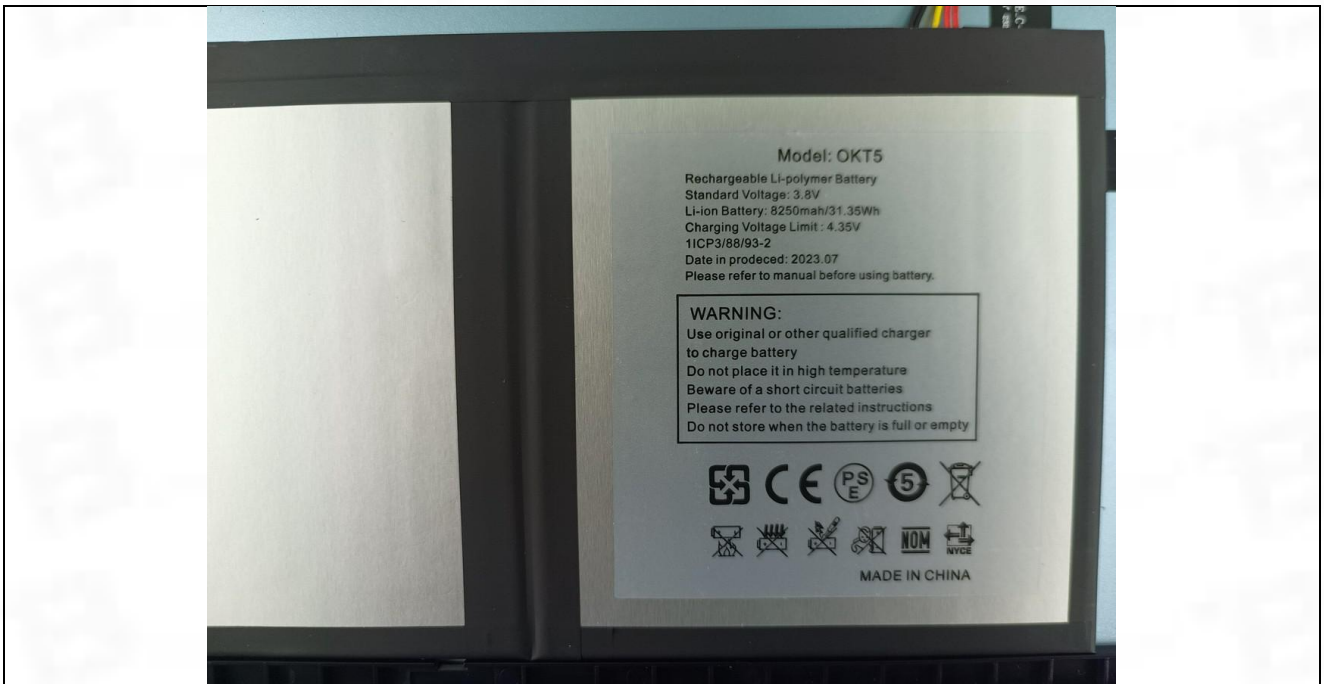
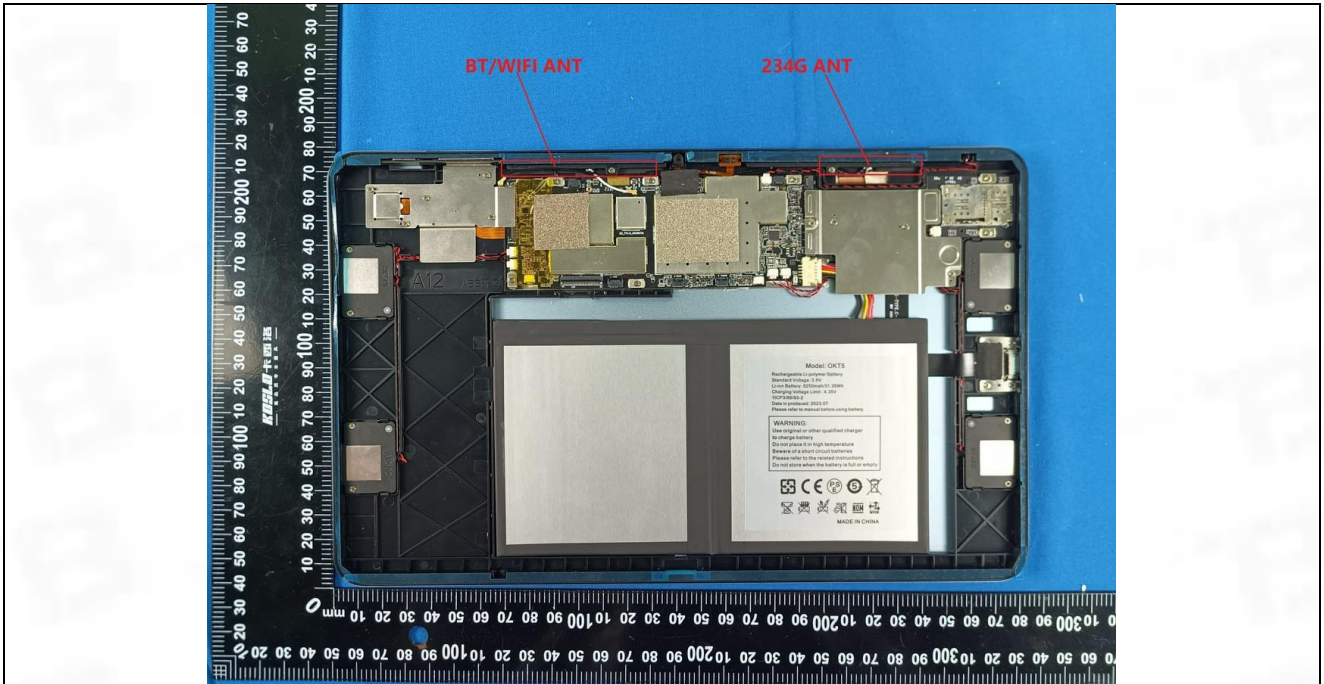


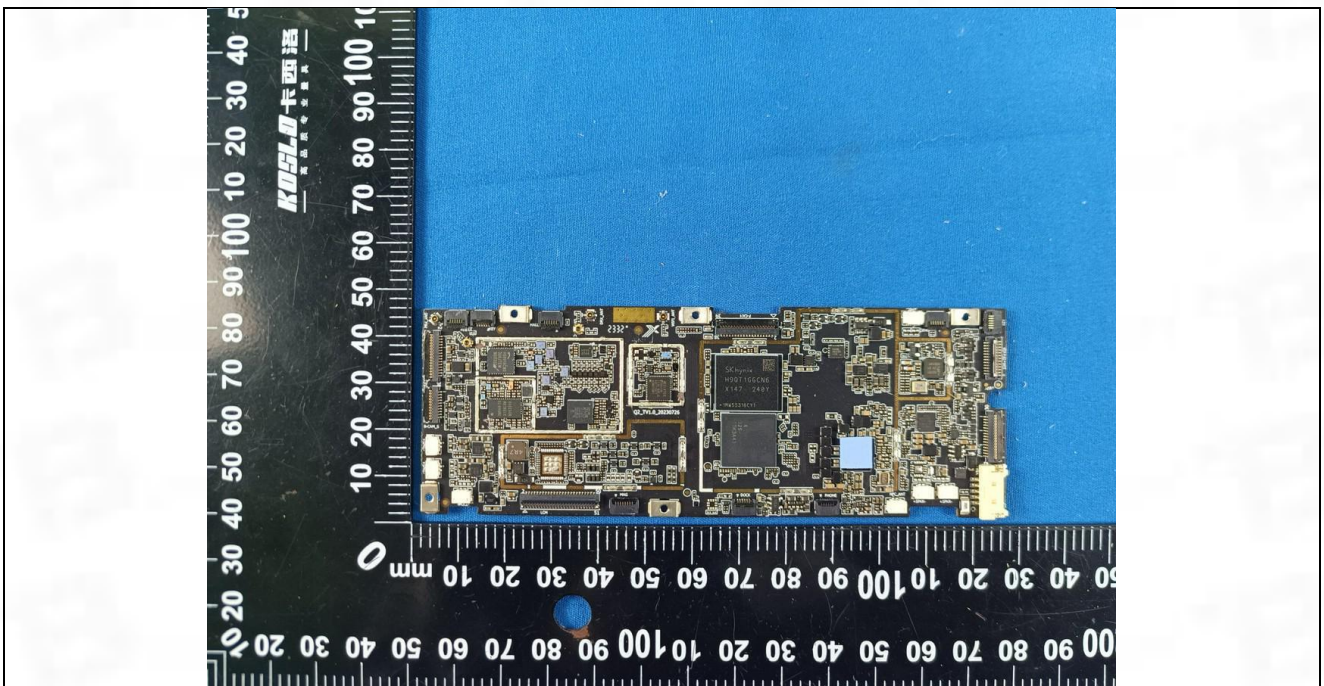
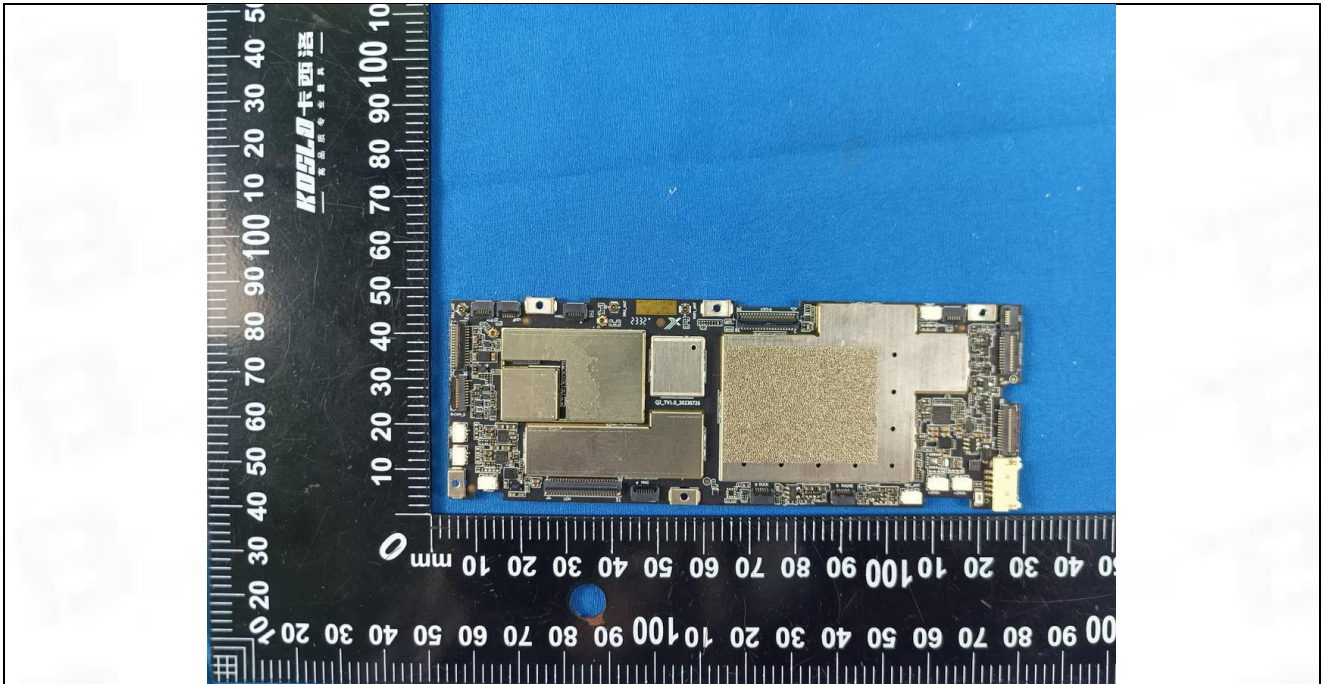


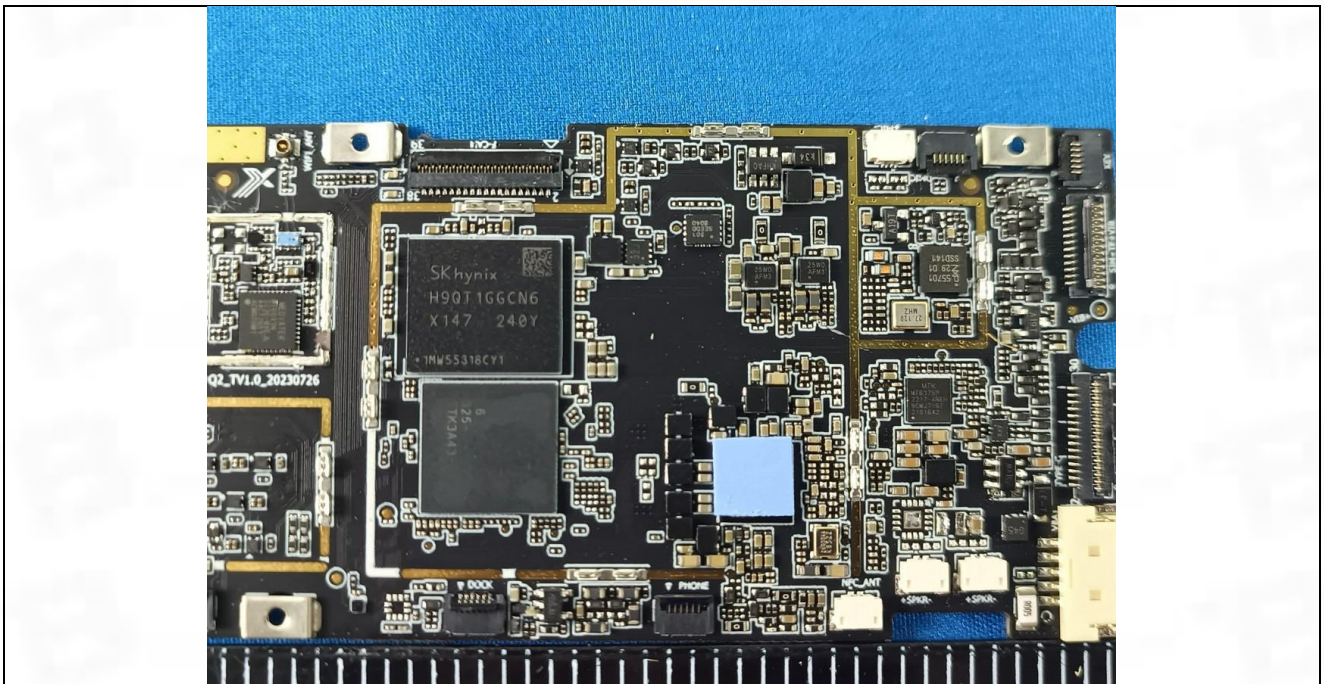
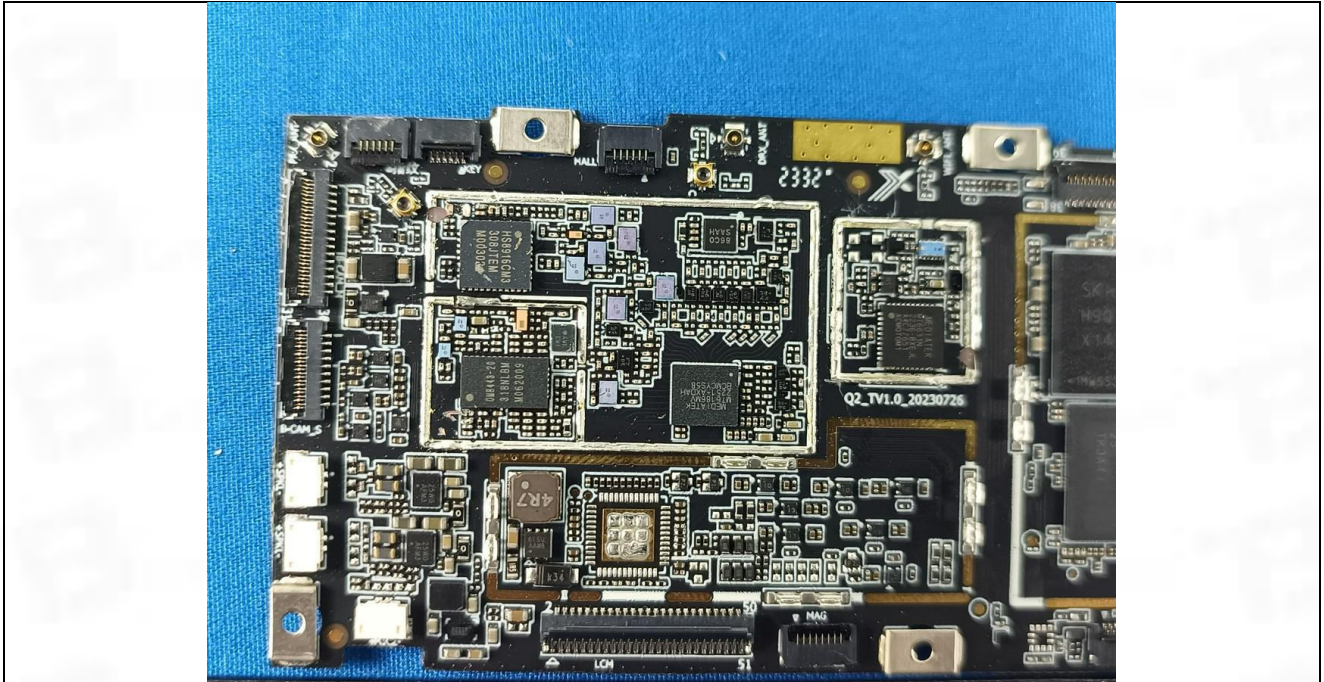


Internal











Test Report Number: BTF230921E00401



BTF Testing Lab (Shenzhen) Co., Ltd.

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www.btf-lab.com

-- END OF REPORT --