



FCC SDoC Test Report

For

Applicant Name: DOKE COMMUNICATION (HK) LIMITED
Address: RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD
WANCHAI HK CHINA
EUT Name: Mobile Phone
Brand Name: Blackview
Model Number: BV4800 (2+32)

Issued By

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

Report Number: BTF231007E00301
Test Standards: 47 CFR Part 15, Subpart B

Test Conclusion: Pass
FCC ID: 2A7DX-BV4800-32
Test Date: 2023-10-09 to 2023-11-8
Date of Issue: 2023-11-13

Prepared By:

Chris Liu

Chris Liu / Project Engineer
2023-11-13

Date:

Approved By:

Ryan.CJ

Ryan.CJ / EMC Manager

Date:

2023-11-13



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Revision History		
Version	Issue Date	Revisions Content
R_V0	2023-11-13	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:	DOKE COMMUNICATION (HK) LIMITED
Address:	RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD WANCHAI HK CHINA

2.2 Manufacturer Information

Company Name:	Shenzhen DOKE Electronic Co., Ltd.
Address:	801, Building 3, 7th Industrial Zone, Yulv Community, Yutang Road, Guangming District, Shenzhen, China

2.3 Factory Information

Company Name:	Shenzhen DOKE Electronic Co., Ltd.
Address:	801, Building 3, 7th Industrial Zone, Yulv Community, Yutang Road, Guangming District, Shenzhen, China

2.4 General Description of Equipment under Test (EUT)

EUT Name:	Mobile Phone
Test Model Number:	BV4800 (2+32)
Hardware Version:	HCT-M662MB-B2
Software Version:	BV4800_NEU_M662_V1.0

2.5 Technical Information

Power Supply:	AC 120V 60Hz
Power Adaptor:	Model:HJ-0502000W2-US Input:100-240v~50/60Hz 0.3A 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)	± 2.64 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	Video Playing

5 Emission Test Results (EMI)

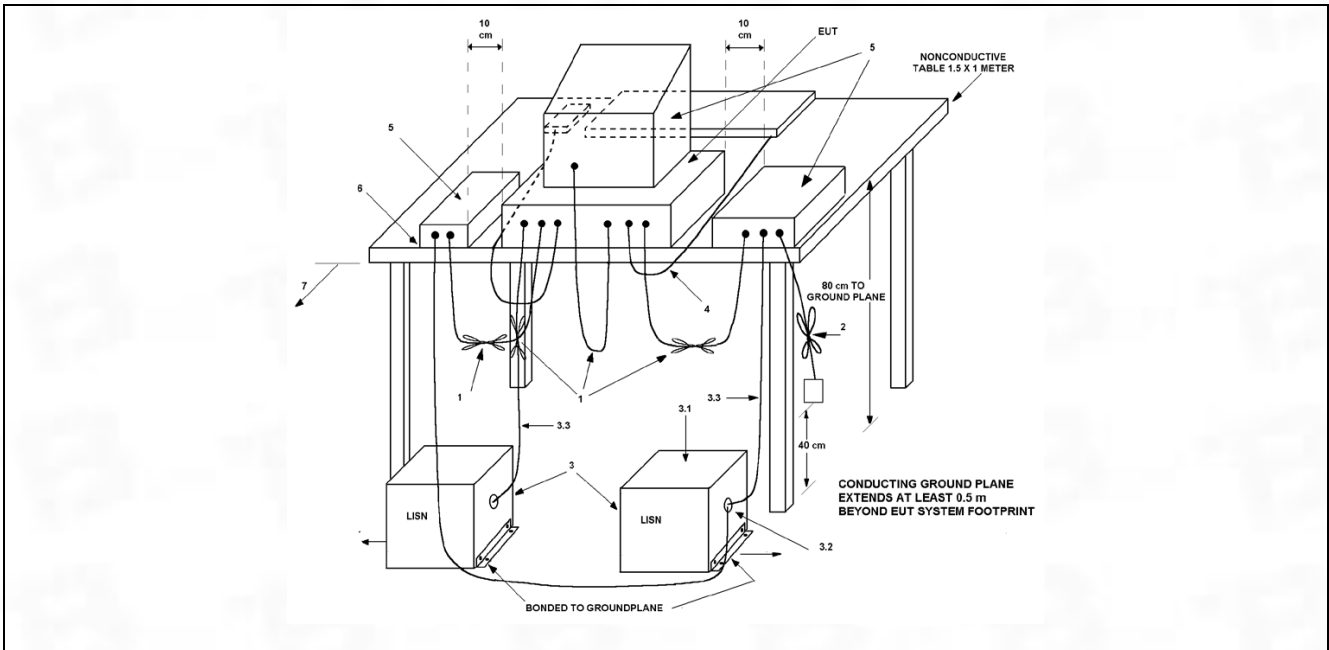
5.1 Conducted emissions on AC mains

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:

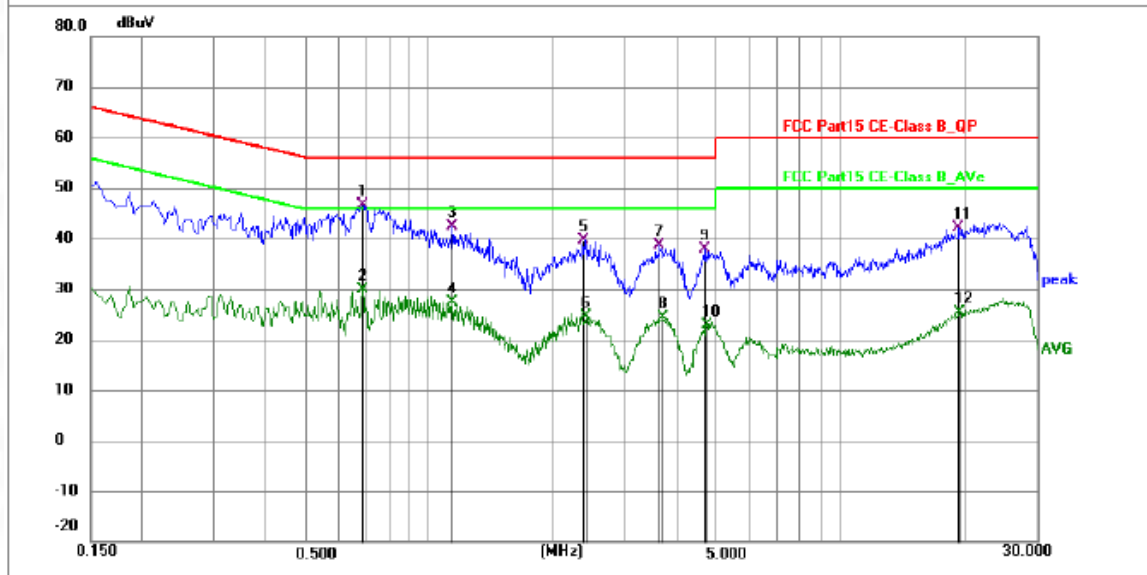
Operating Environment:	
Temperature:	24.6 °C
Humidity:	45.4 %
Atmospheric Pressure:	1010 mbar

5.1.2 Test Setup Diagram:



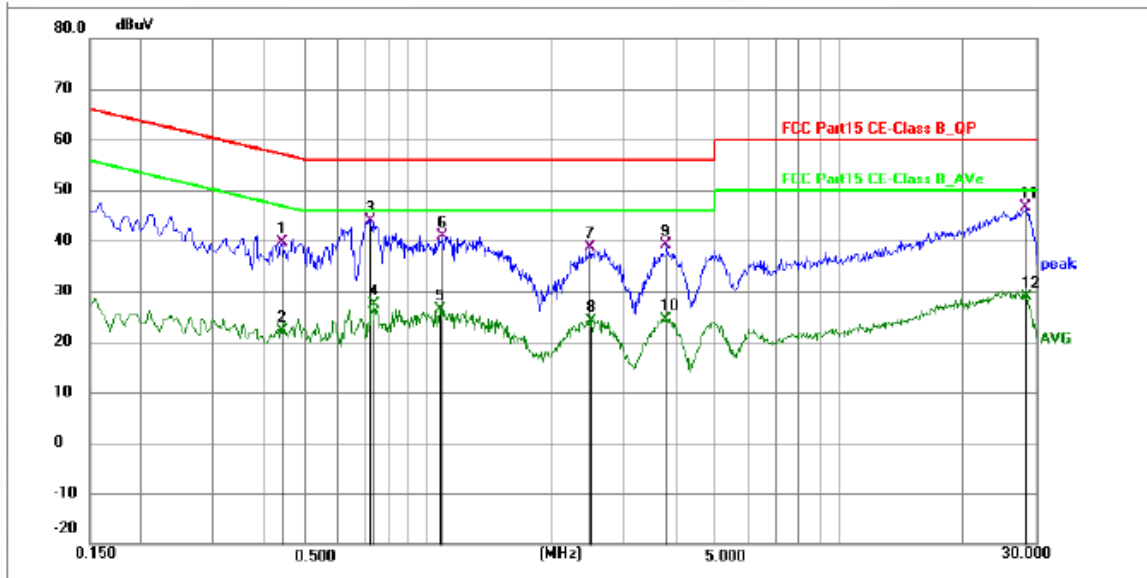
5.1.3 Test Data:

TM1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.6855	35.97	10.72	46.69	56.00	-9.31	QP	P	
2	0.6855	19.09	10.72	29.81	46.00	-16.19	AVG	P	
3	1.1355	31.55	10.77	42.32	56.00	-13.68	QP	P	
4	1.1355	16.53	10.77	27.30	46.00	-18.70	AVG	P	
5	2.3909	28.91	10.70	39.61	56.00	-16.39	QP	P	
6	2.4045	13.89	10.70	24.59	46.00	-21.41	AVG	P	
7	3.6330	27.83	10.72	38.55	56.00	-17.45	QP	P	
8	3.7095	13.58	10.72	24.30	46.00	-21.70	AVG	P	
9	4.6725	27.05	10.79	37.84	56.00	-18.16	QP	P	
10	4.7355	12.10	10.80	22.90	46.00	-23.10	AVG	P	
11	19.3875	31.20	11.01	42.21	60.00	-17.79	QP	P	
12	19.4910	14.25	11.01	25.26	50.00	-24.74	AVG	P	

TM1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.4380	29.06	10.61	39.67	57.10	-17.43	QP	P	
2	0.4380	11.58	10.61	22.19	47.10	-24.91	AVG	P	
3 *	0.7260	33.27	10.73	44.00	56.00	-12.00	QP	P	
4	0.7350	16.59	10.74	27.33	46.00	-18.67	AVG	P	
5	1.0680	15.68	10.77	26.45	46.00	-19.55	AVG	P	
6	1.0770	30.13	10.77	40.90	56.00	-15.10	QP	P	
7	2.4855	27.82	10.70	38.52	56.00	-17.48	QP	P	
8	2.4990	13.37	10.70	24.07	46.00	-21.93	AVG	P	
9	3.7905	28.52	10.73	39.25	56.00	-16.75	QP	P	
10	3.7905	13.77	10.73	24.50	46.00	-21.50	AVG	P	
11	28.4325	35.62	11.07	46.69	60.00	-13.31	QP	P	
12	28.4684	17.90	11.07	28.97	50.00	-21.03	AVG	P	

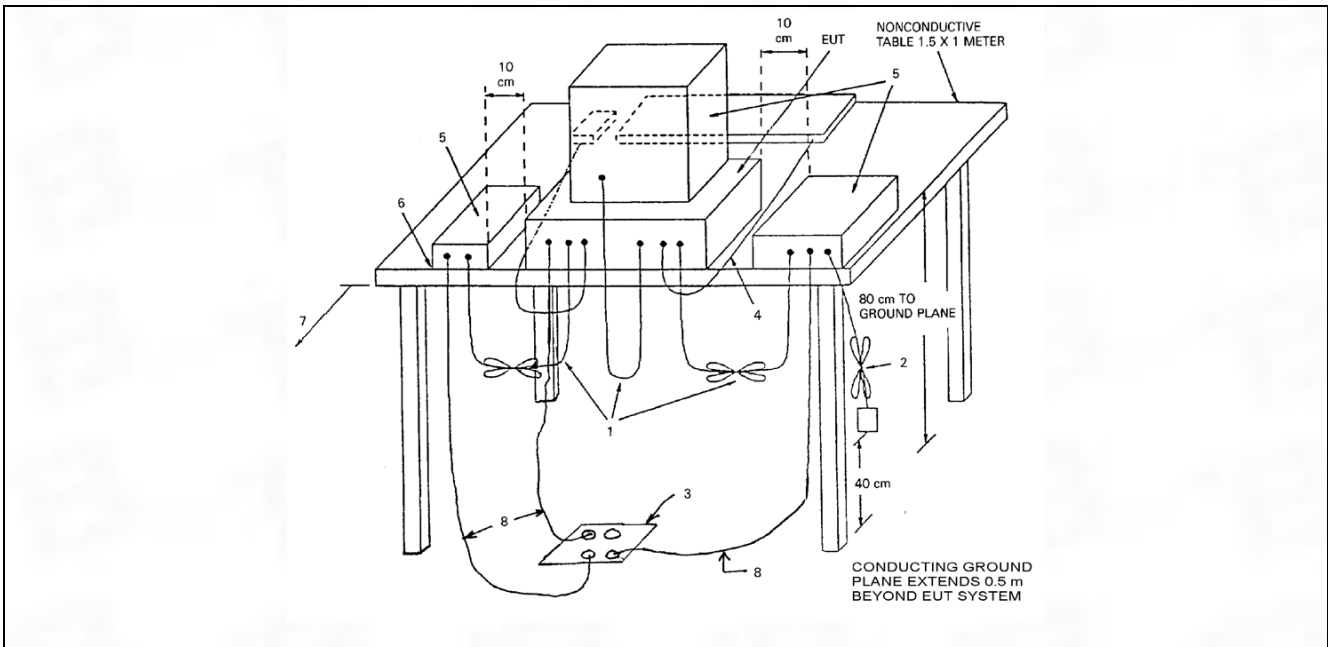
5.2 Radiated emissions (Below 1GHz)

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
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:

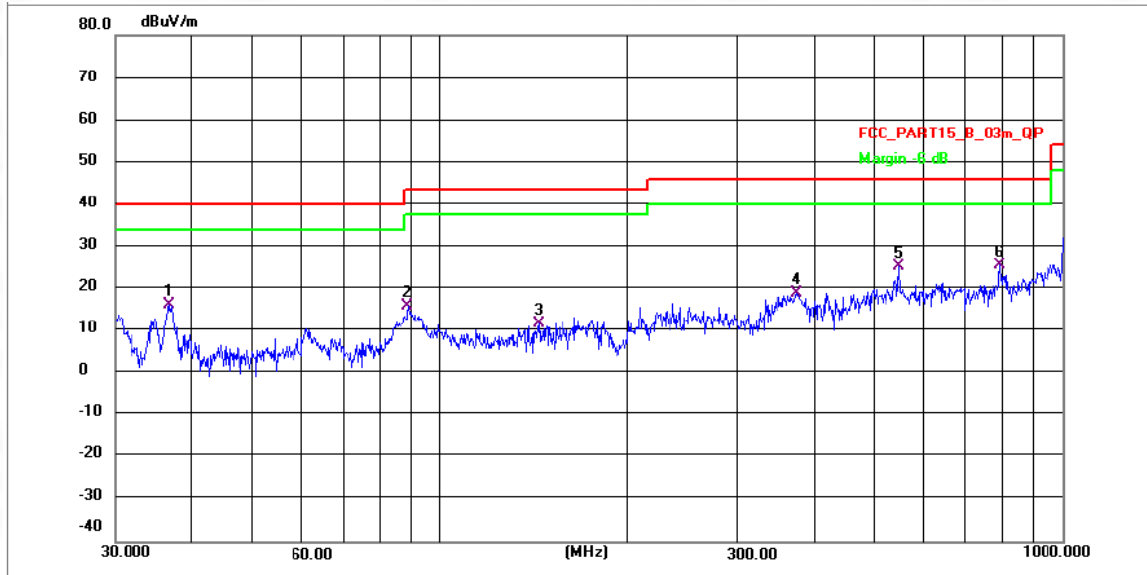
Operating Environment:	
Temperature:	24.1 °C
Humidity:	48.4 %
Atmospheric Pressure:	1010 mbar

5.2.2 Test Setup Diagram:



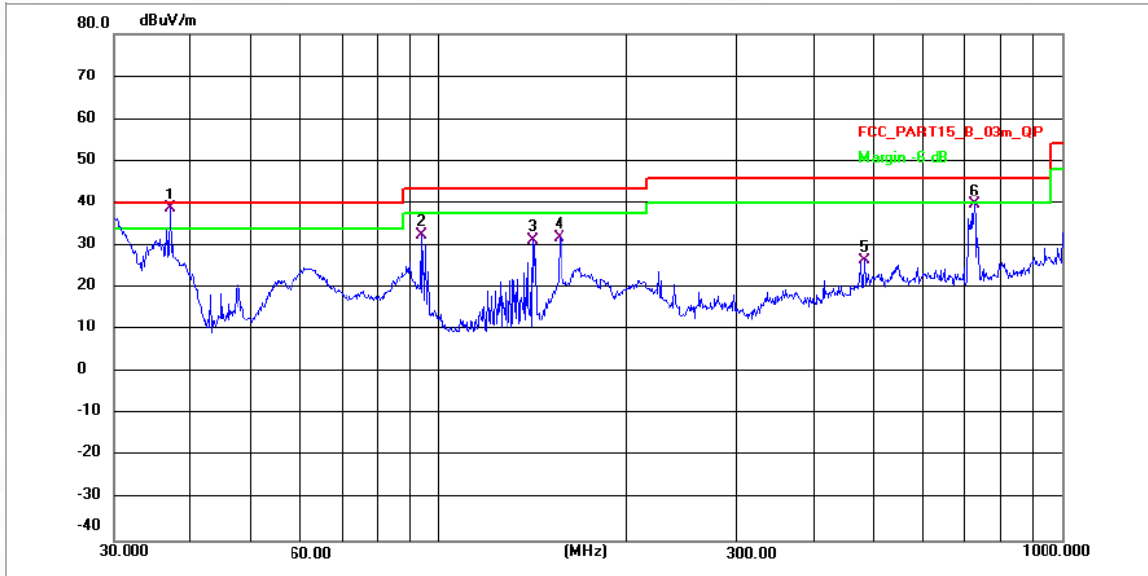
5.2.3 Test Data:

TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	36.6374	34.65	-18.44	16.21	40.00	-23.79	QP	P
2	89.2762	46.00	-30.00	16.00	43.50	-27.50	QP	P
3	144.0820	39.61	-27.83	11.78	43.50	-31.72	QP	P
4	373.3112	43.72	-24.85	18.87	46.00	-27.13	QP	P
5	546.1392	46.97	-21.62	25.35	46.00	-20.65	QP	P
6 *	793.3960	49.32	-23.75	25.57	46.00	-20.43	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 *	36.9600	59.38	-20.59	38.79	40.00	-1.21	QP	P
2	93.6042	61.82	-29.28	32.54	43.50	-10.96	QP	P
3	141.5777	58.97	-27.86	31.11	43.50	-12.39	QP	P
4	156.4577	59.60	-27.72	31.88	43.50	-11.62	QP	P
5	482.2155	48.00	-21.54	26.46	46.00	-19.54	QP	P
6	722.9923	63.39	-23.69	39.70	46.00	-6.30	QP	P

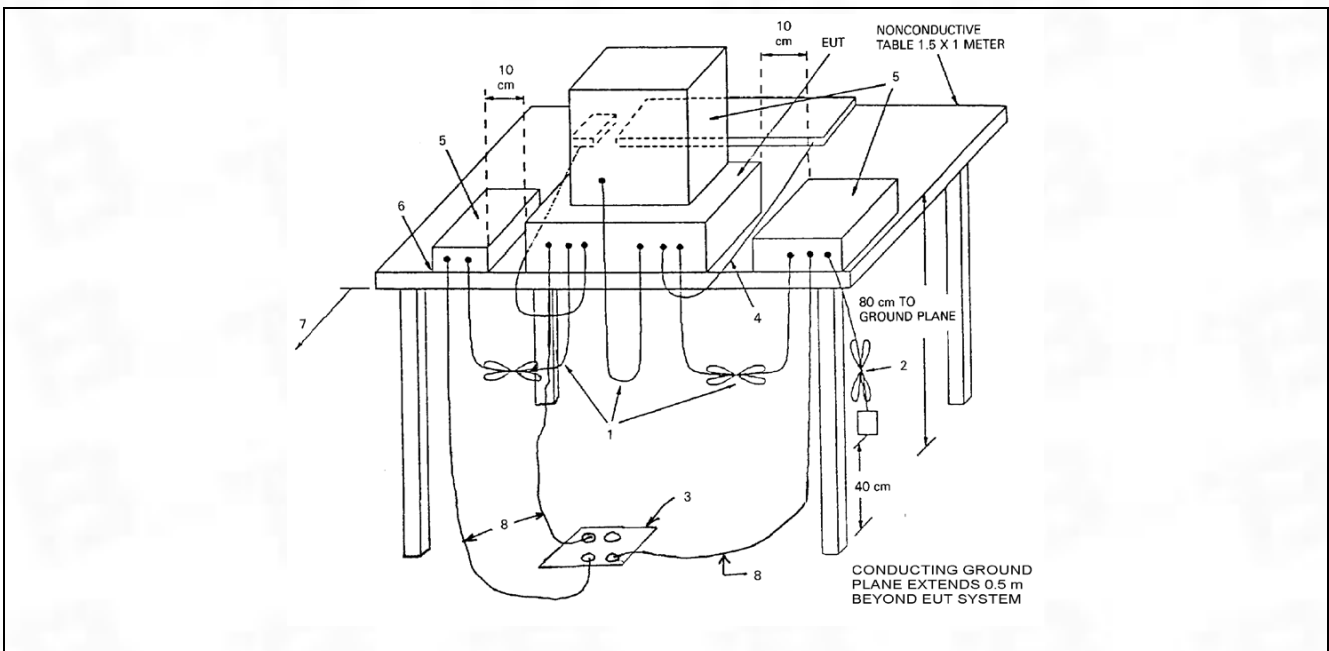
5.3 Radiated emissions (Above 1GHz)

Test Requirement:	15.109, Class B		
Test Method:	ANSI C63.4a-2017		
Test Limit:	Frequency of emission (MHz)	Field strength @3m	
		Average (uV/m)	Average(dBuV/m)
	Above 1GHz	500	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:	25.2 °C
Humidity:	50.3 %
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	1443.576	79.58	-29.78	49.80	74.00	-24.20	peak	P
2	1594.605	81.37	-30.29	51.08	74.00	-22.92	peak	P
3	1813.931	83.03	-30.51	52.52	74.00	-21.48	peak	P
4	2794.201	79.60	-31.29	48.31	74.00	-25.69	peak	P
5	3927.871	81.63	-31.78	49.85	74.00	-24.15	peak	P
6	5218.601	84.04	-30.87	53.17	74.00	-20.83	peak	P

TM1 / Polarization: Vertical

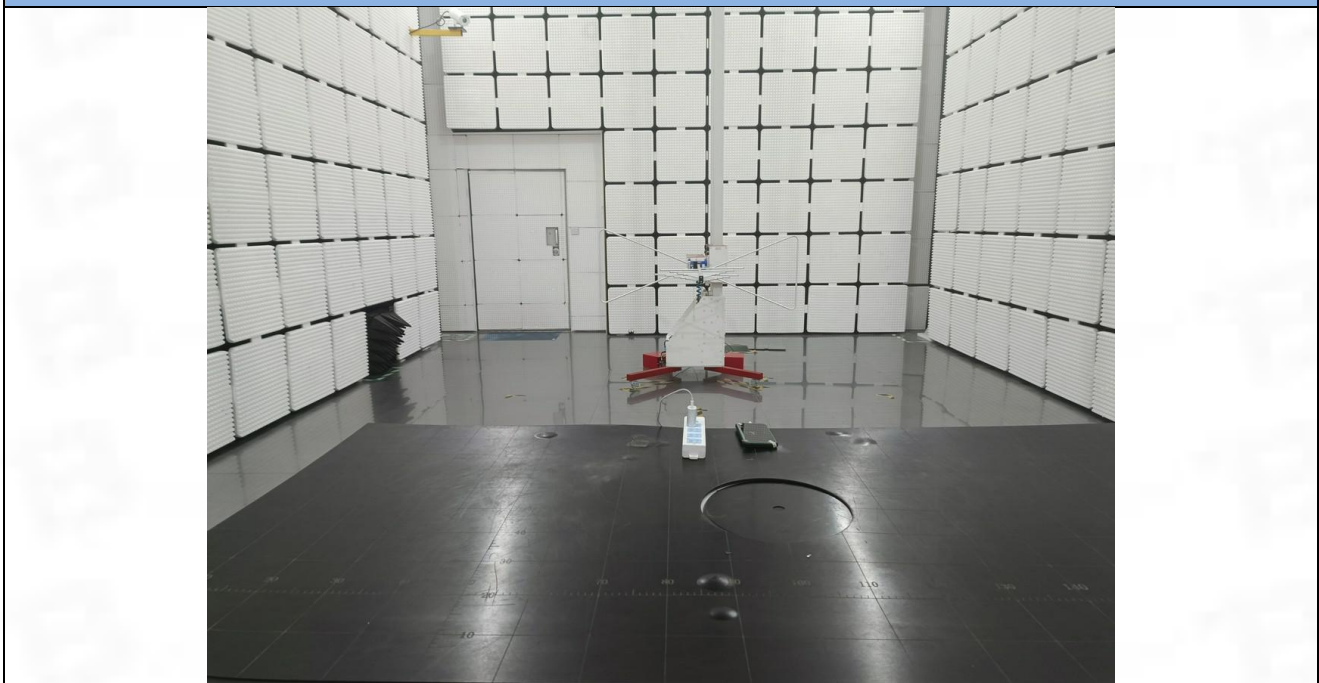
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1773.650	80.02	-29.86	50.16	74.00	-23.84	peak	P
2	1924.679	81.81	-30.37	51.44	74.00	-22.56	peak	P
3	2144.005	83.47	-30.59	52.88	74.00	-21.12	peak	P
4	3124.275	80.04	-31.37	48.67	74.00	-25.33	peak	P
5	4257.945	82.07	-31.86	50.21	74.00	-23.79	peak	P
6	5548.675	84.48	-30.95	53.53	74.00	-20.47	peak	P

6 Test Setup Photos

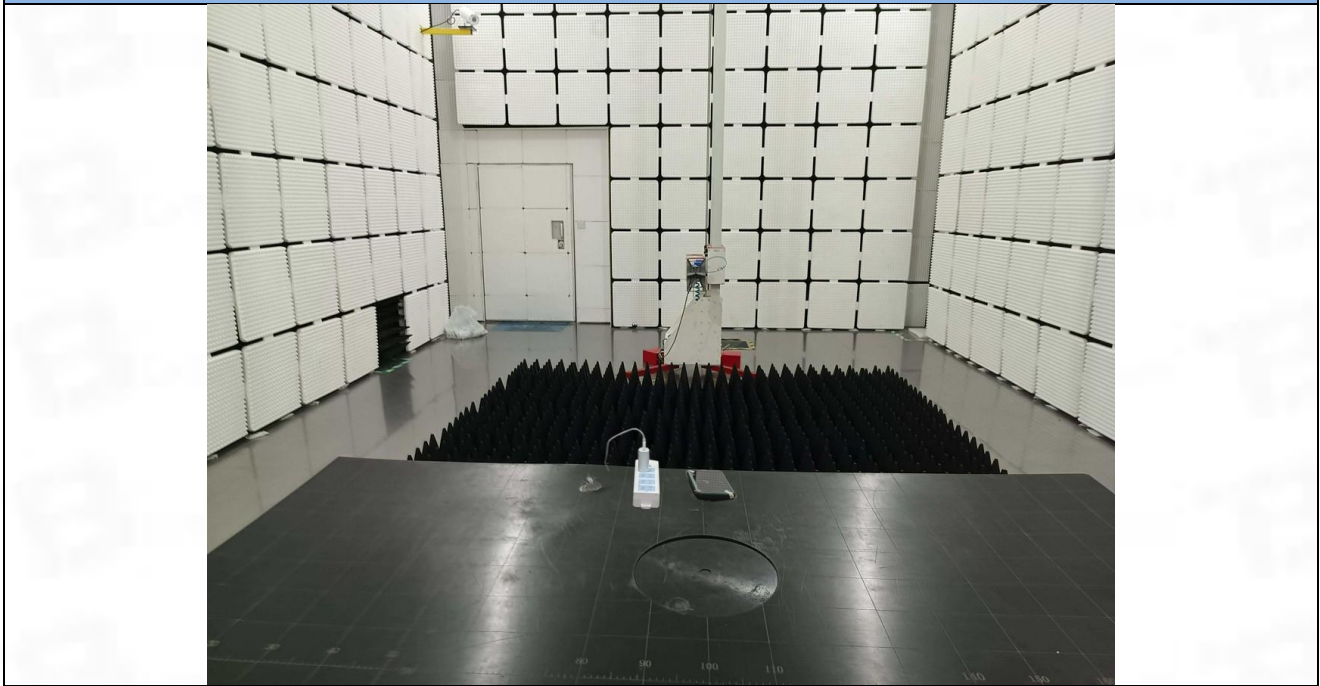
Conducted emissions on AC mains



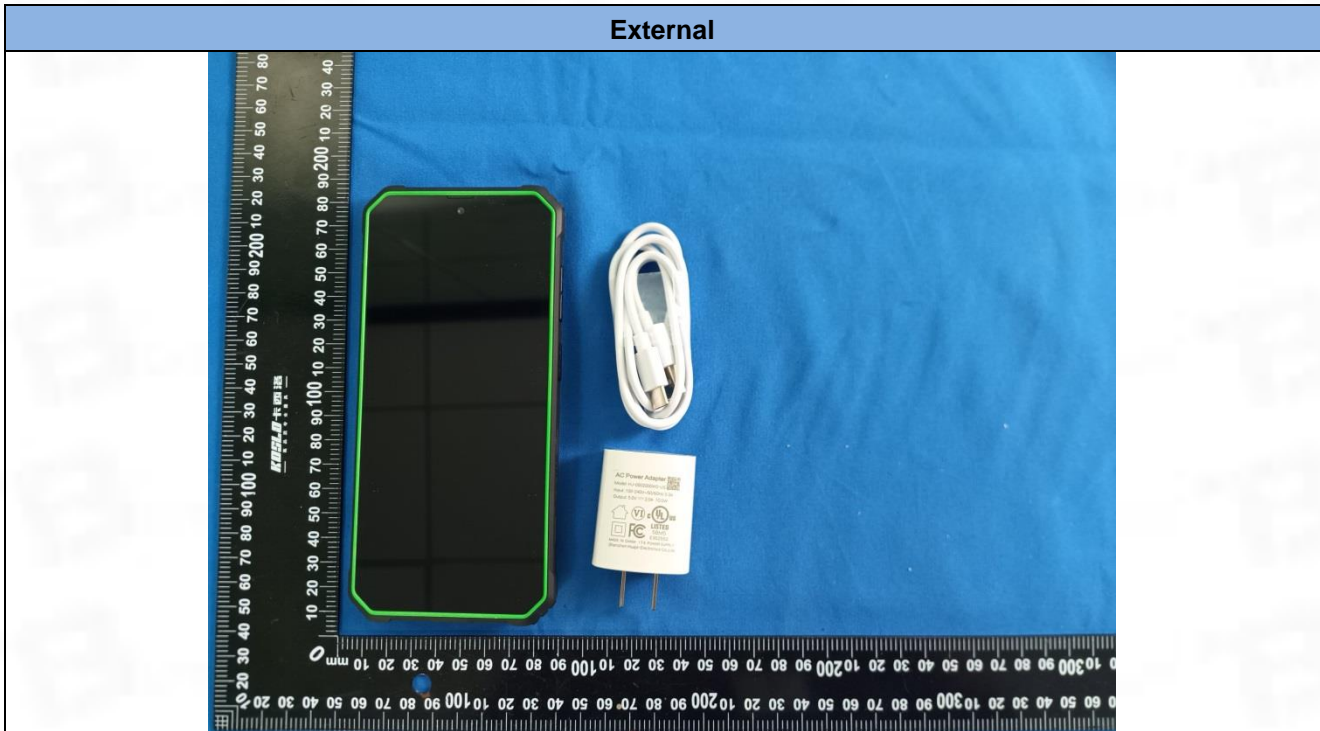
Radiated emissions (Below 1GHz)

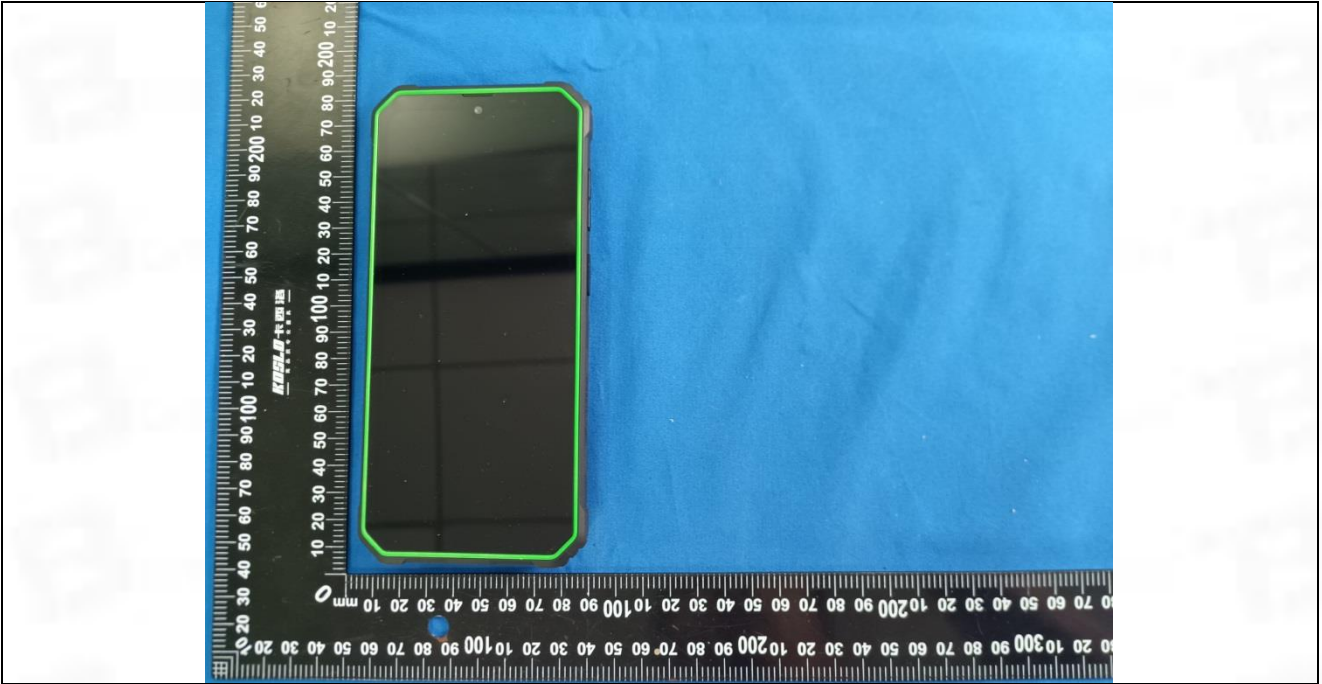


Radiated emissions (Above 1GHz)



7 EUT Constructional Details (EUT Photos)

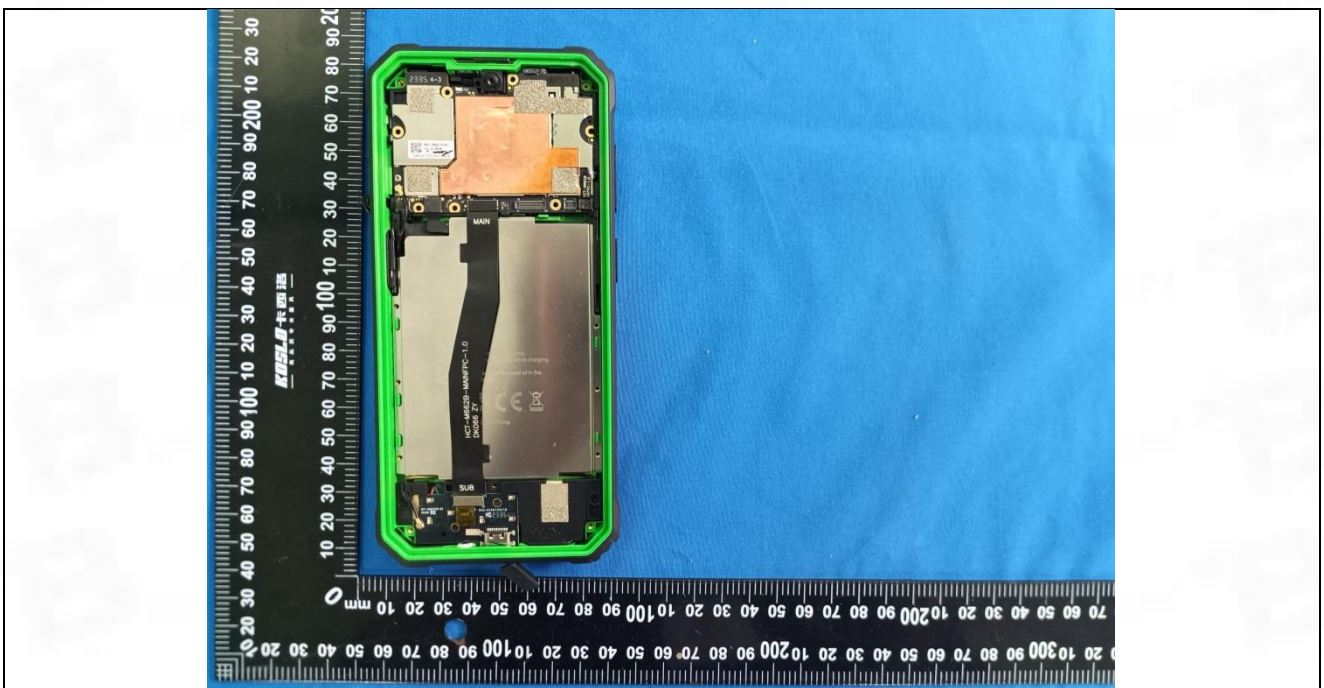
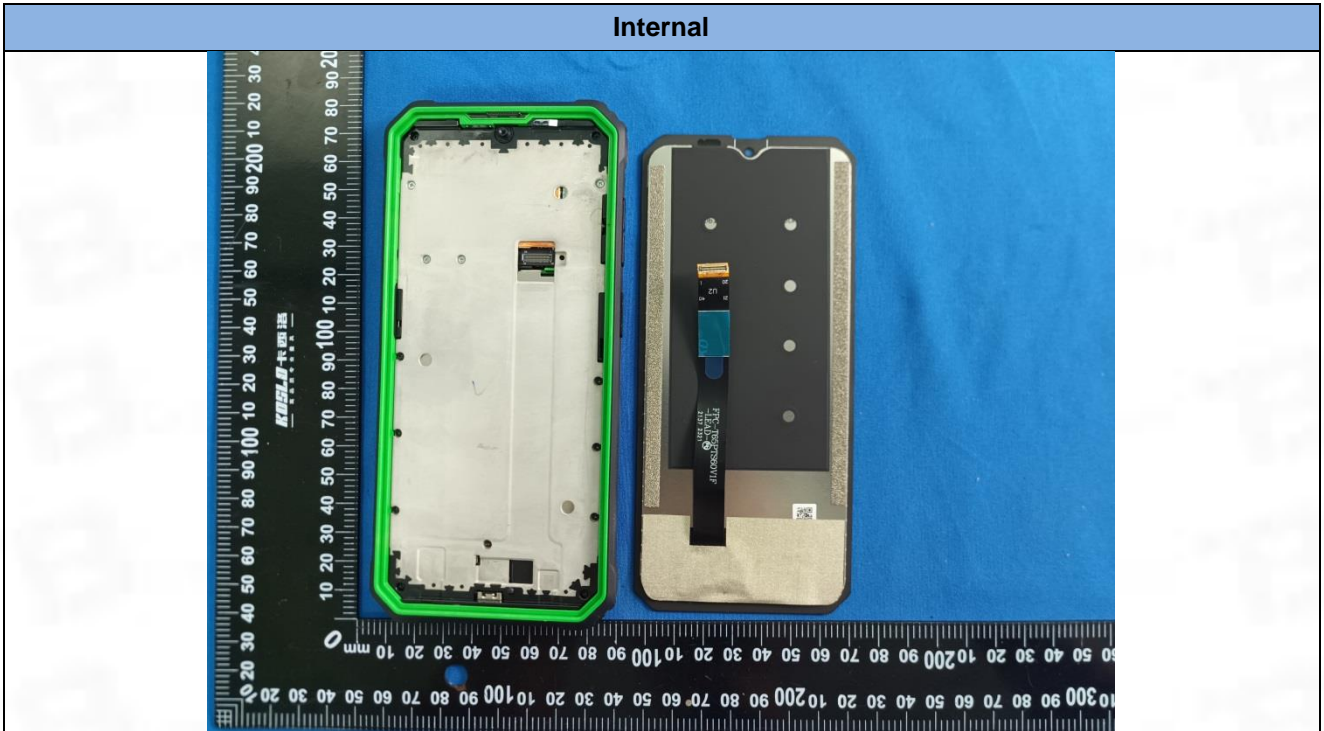


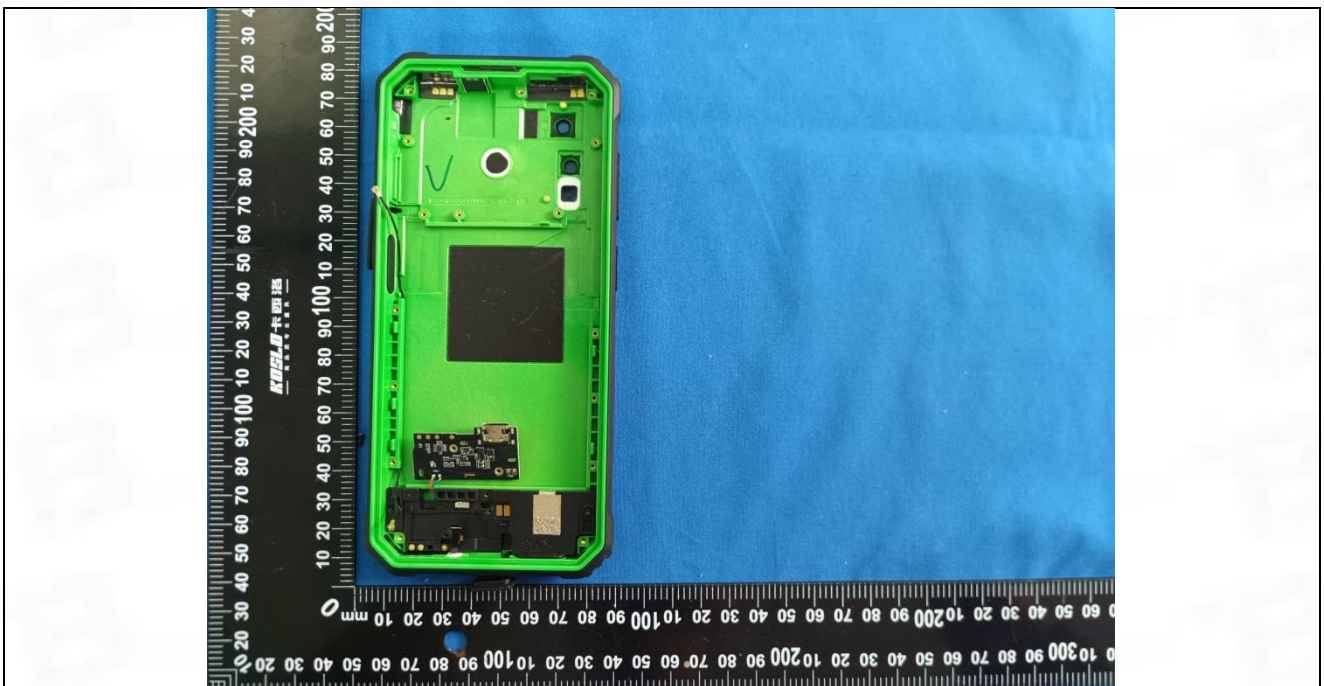
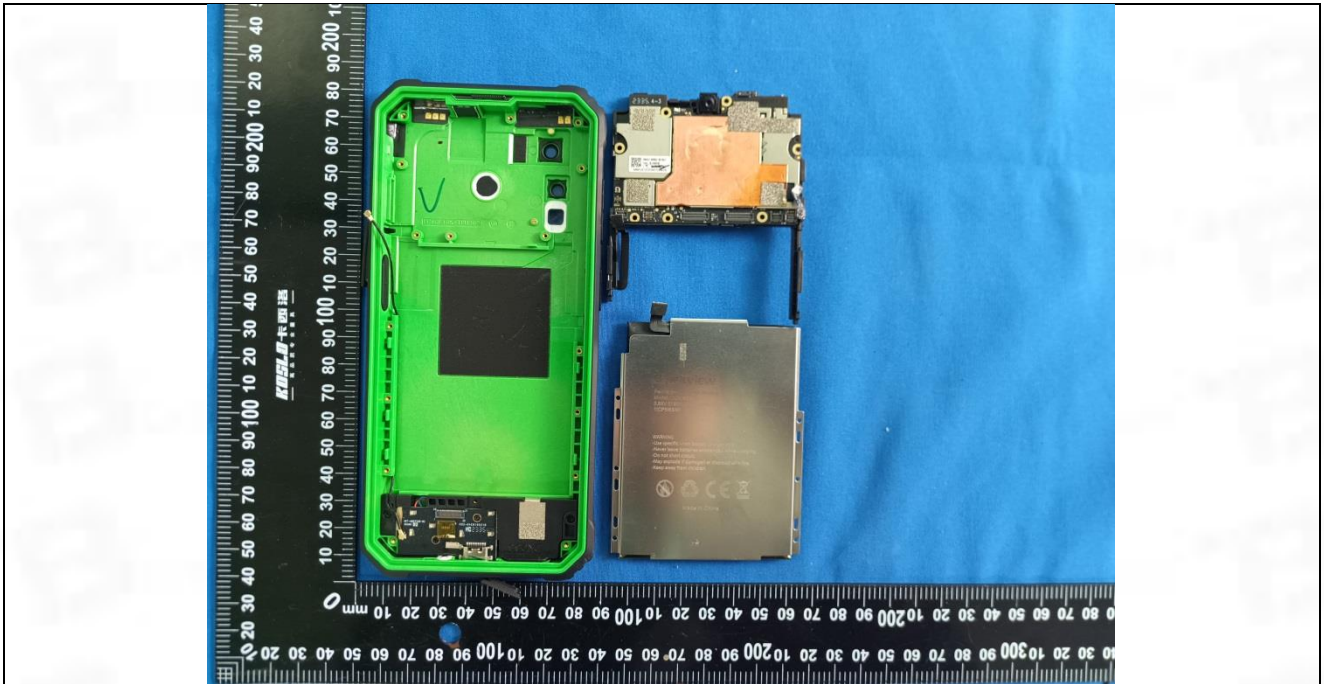




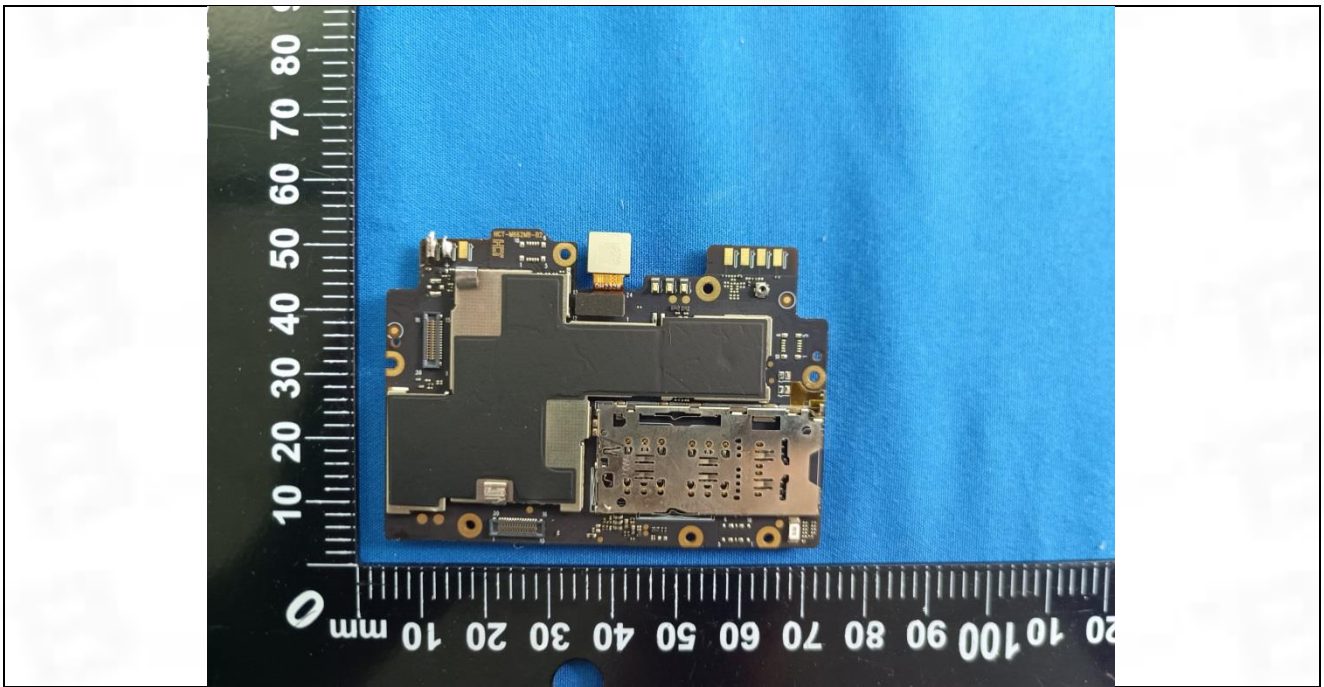
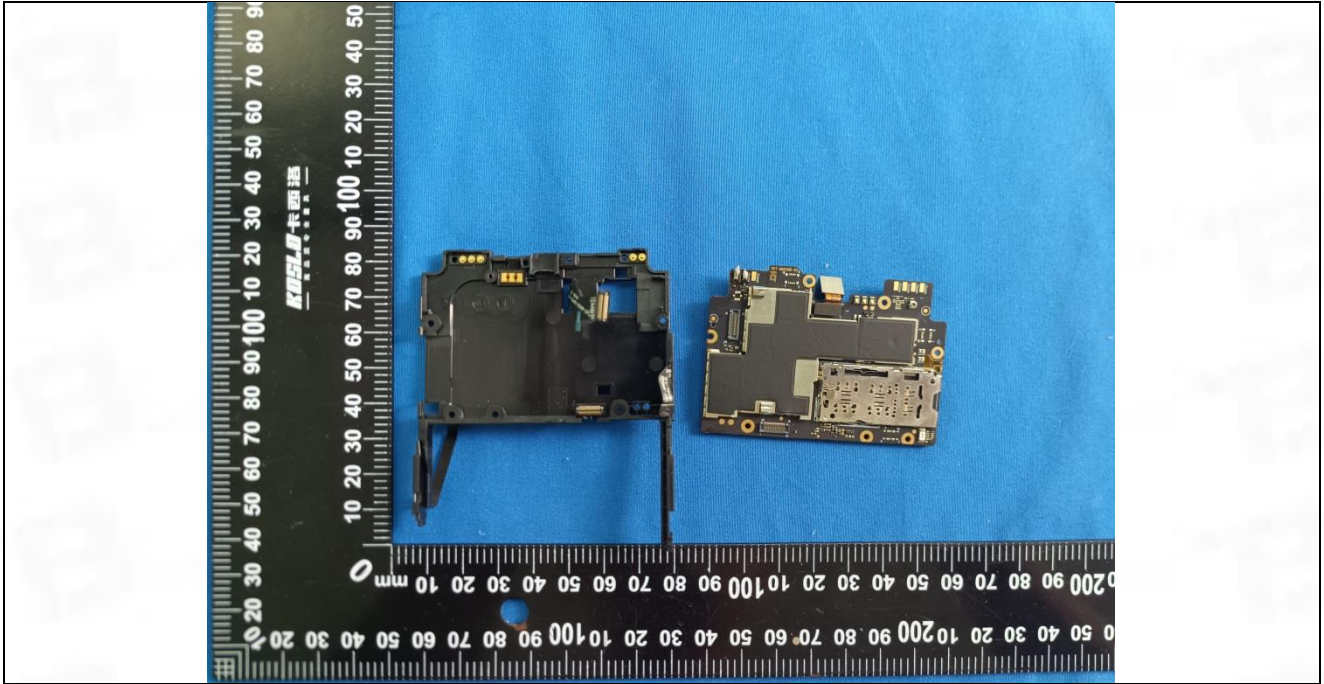


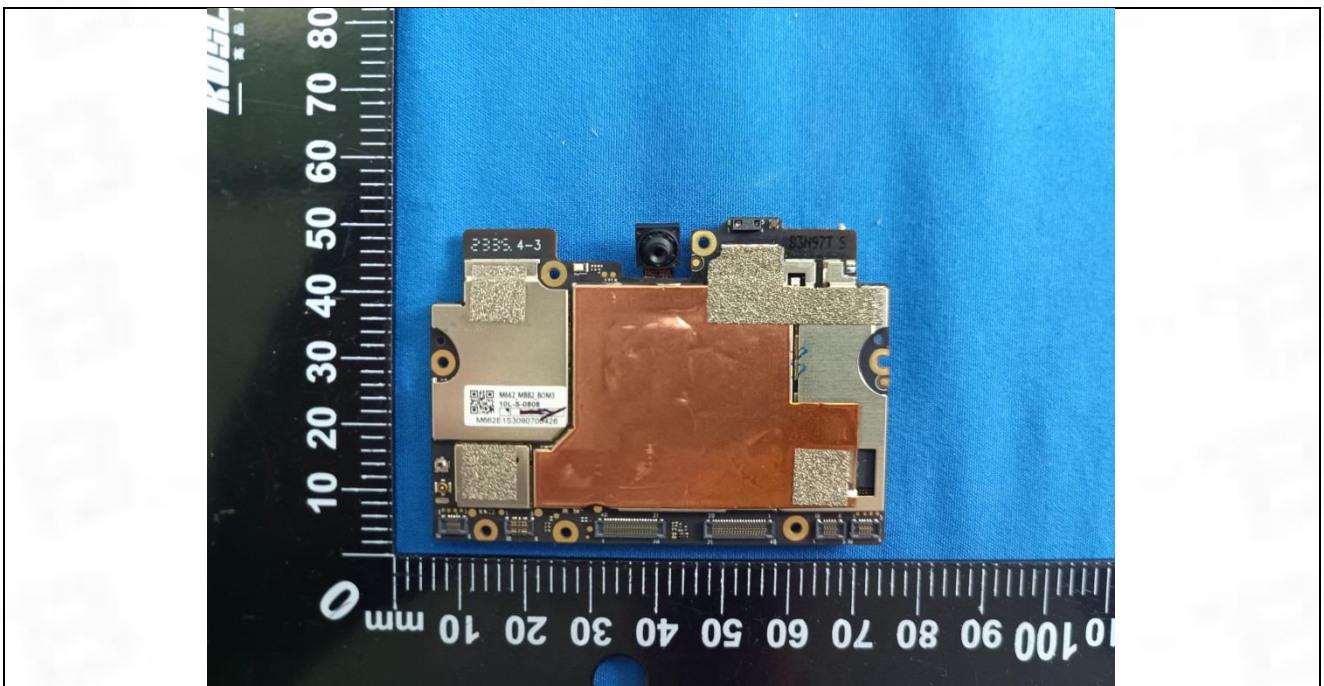
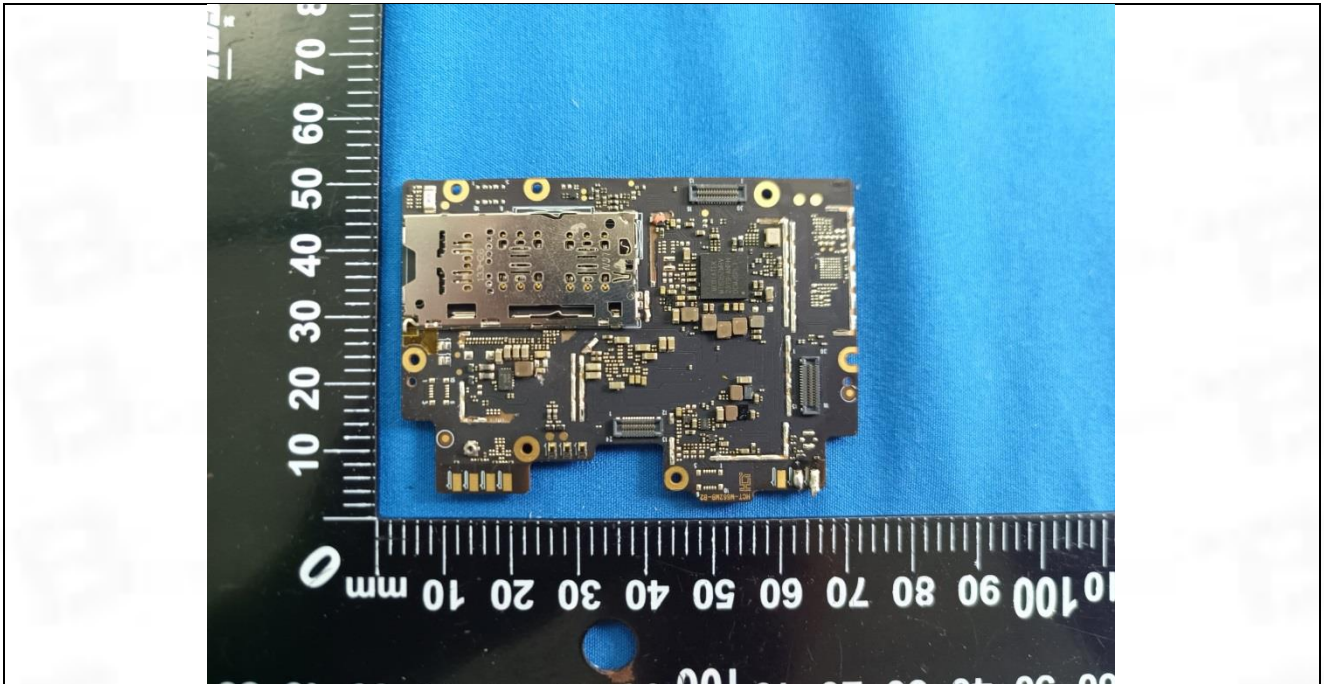
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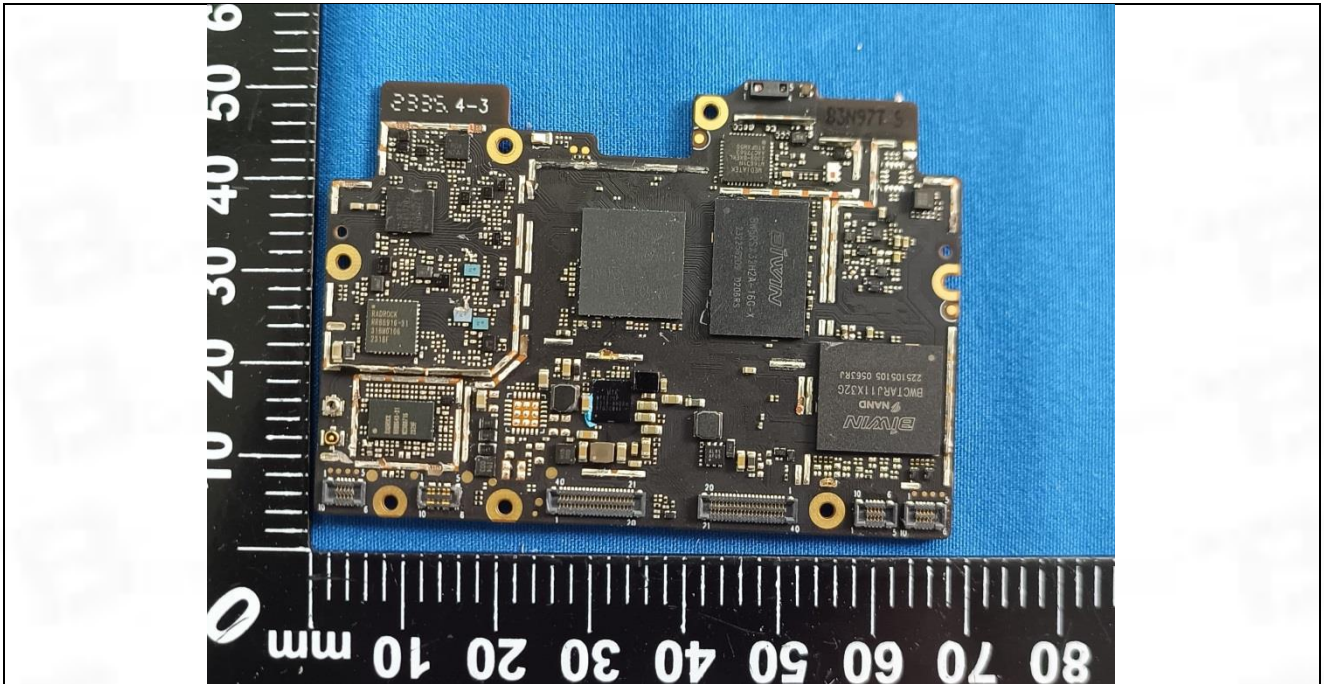














Test Report Number: BTF231007E00301



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www.btf-lab.com

-- END OF REPORT --