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:	SHARK 8

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:	BTF231031E00201
Test Standards:	47 CFR Part 15, Subpart B
Test Conclusion:	Pass
FCC ID:	2A7DX-SHARK8
Test Date:	2023-11-01 to 2023-12-05
Date of Issue:	2023-12-06

Prepared By: Aria Zhang

Aria Zhang / Project Engineer

Date: 2023-12-06

Approved By: Ryan.CJ

Ryan.CJ / EMC Manager

Date: 2023-12-06

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue Date	Revisions Content
R_V0	2023-12-06	Original
Note: Once the revision has been made, then previous versions reports are invalid.		

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Table of Contents

1 INTRODUCTION 4
1.1 Identification of Testing Laboratory 4
1.2 Identification of the Responsible Testing Location 4
1.3 Announcement 4
2 PRODUCT INFORMATION 5
2.1 Application Information 5
2.2 Manufacturer Information 5
2.3 Factory Information 5
2.4 General Description of Equipment under Test (EUT) 5
2.5 Technical Information 5
3 SUMMARY OF TEST RESULTS 6
3.1 Test Standards 6
3.2 Uncertainty of Test 6
3.3 Summary of Test Result 6
4 TEST CONFIGURATION 7
4.1 Test Equipment List 7
4.2 Test Auxiliary Equipment 8
4.3 Test Modes 8
5 EMISSION TEST RESULTS (EMI) 9
5.1 Conducted emissions on AC mains 9
5.1.1 E.U.T. Operation: 9
5.1.2 Test Setup Diagram: 9
5.1.3 Test Data: 10
5.2 Radiated emissions (Below 1GHz) 12
5.2.1 E.U.T. Operation: 12
5.2.2 Test Setup Diagram: 12
5.2.3 Test Data: 13
5.3 Radiated emissions (Above 1GHz) 15
5.3.1 E.U.T. Operation: 15
5.3.2 Test Setup Diagram: 15
5.3.3 Test Data: 16
6 TEST SETUP PHOTOS 17
7 EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS) 19

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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:	SHARK 8

2.5 Technical Information

Power Supply:	AC 120V 60Hz
Power Adaptor:	Model:HJ-C6-33-US Input:100-240~50/60Hz 0.8A Output:(PD)5.0V⎓ 3.0A 15.0W or 9.0V⎓ 3.0A 27.0W or 12.0V⎓ 2.5A 30.0W or 15.0V⎓ 2.0A 30.0W or20.0V⎓ 1.5A 30.0W (PPS) 3.3V-11.0V⎓ 3.0A(33.0W MAX)

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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

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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&SCHWARZ	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&SCHWARZ	ESCI7	101032	2023-11-16	2024-11-15
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2023-11-16	2024-11-15
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	/	/
Broadband Preamplilifier	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

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4.2 Test Auxiliary Equipment

The EUT was tested as an independent device.

4.3 Test Modes

No.	Test Modes	Description
TM1	Charging + Video recording	
TM2	Charging + Video play	
TM3	Date transmission	

5 Emission Test Results (EMI)

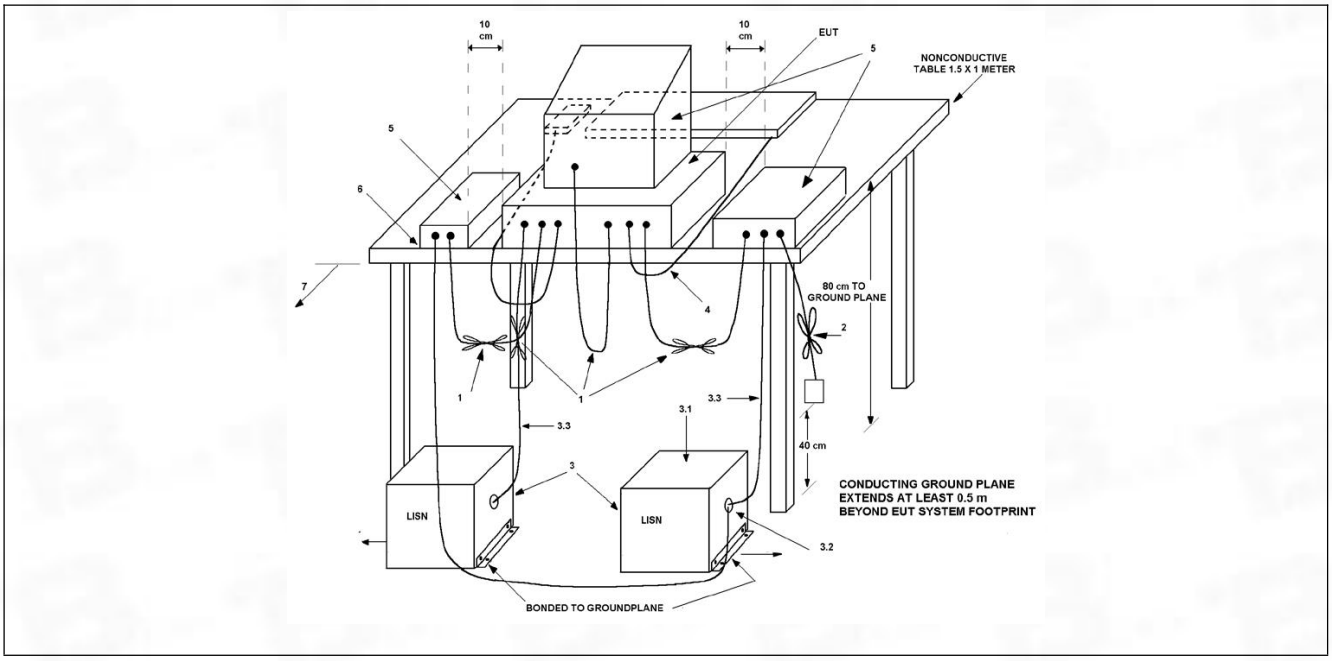
5.1 Conducted emissions on AC mains

Test Requirement:	15.107, Class B
Test Method:	ANSI C63.4-2014
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:

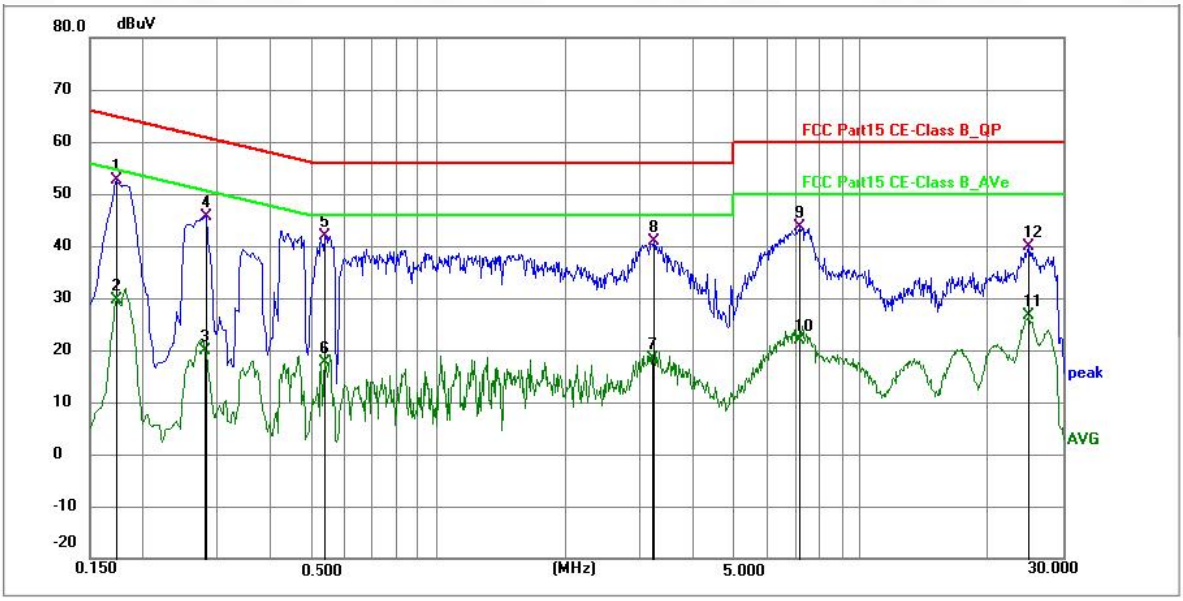
Operating Environment:	
Temperature:	24.5 °C
Humidity:	53.5 %
Atmospheric Pressure:	1010 mbar

5.1.2 Test Setup Diagram:



5.1.3 Test Data:

TM3 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1724	42.11	10.49	52.60	64.84	-12.24	QP	P	
2	0.1724	19.16	10.49	29.65	54.84	-25.19	AVG	P	
3	0.2802	8.94	10.82	19.76	50.81	-31.05	AVG	P	
4	0.2805	34.85	10.82	45.67	60.80	-15.13	QP	P	
5	0.5414	30.66	11.22	41.88	56.00	-14.12	QP	P	
6	0.5414	6.29	11.22	17.51	46.00	-28.49	AVG	P	
7	3.2235	7.70	10.66	18.36	46.00	-27.64	AVG	P	
8	3.2280	30.11	10.66	40.77	56.00	-15.23	QP	P	
9	7.1520	32.92	10.78	43.70	60.00	-16.30	QP	P	
10	7.1520	11.16	10.78	21.94	50.00	-28.06	AVG	P	
11	24.8775	15.47	11.15	26.62	50.00	-23.38	AVG	P	
12	24.9495	28.81	11.15	39.96	60.00	-20.04	QP	P	

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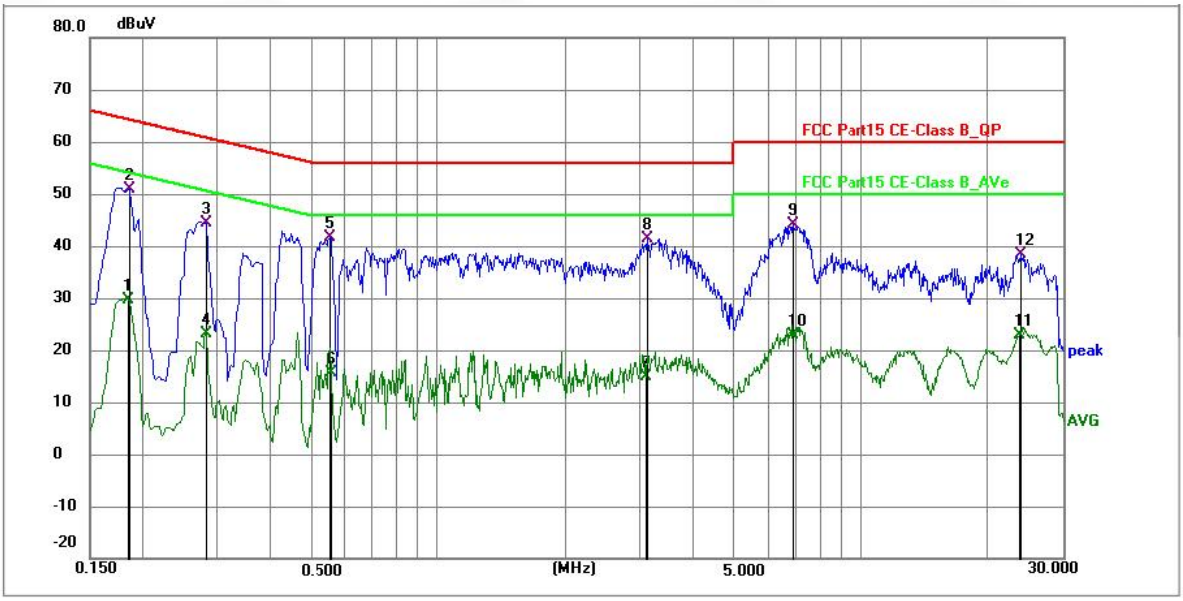
TM3 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1853	19.07	10.53	29.60	54.24	-24.64	AVG	P	
2 *	0.1860	40.45	10.53	50.98	64.21	-13.23	QP	P	
3	0.2805	33.61	10.82	44.43	60.80	-16.37	QP	P	
4	0.2805	12.34	10.82	23.16	50.80	-27.64	AVG	P	
5	0.5550	30.50	11.23	41.73	56.00	-14.27	QP	P	
6	0.5594	4.41	11.23	15.64	46.00	-30.36	AVG	P	
7	3.1020	4.11	10.67	14.78	46.00	-31.22	AVG	P	
8	3.1154	30.83	10.67	41.50	56.00	-14.50	QP	P	
9	6.8864	33.33	10.78	44.11	60.00	-15.89	QP	P	
10	6.8864	12.06	10.78	22.84	50.00	-27.16	AVG	P	
11	23.6490	11.71	11.13	22.84	50.00	-27.16	AVG	P	
12	23.7974	27.30	11.13	38.43	60.00	-21.57	QP	P	

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5.2 Radiated emissions (Below 1GHz)

Test Requirement:	15.109, Class B
Test Method:	ANSI C63.4-2014
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:

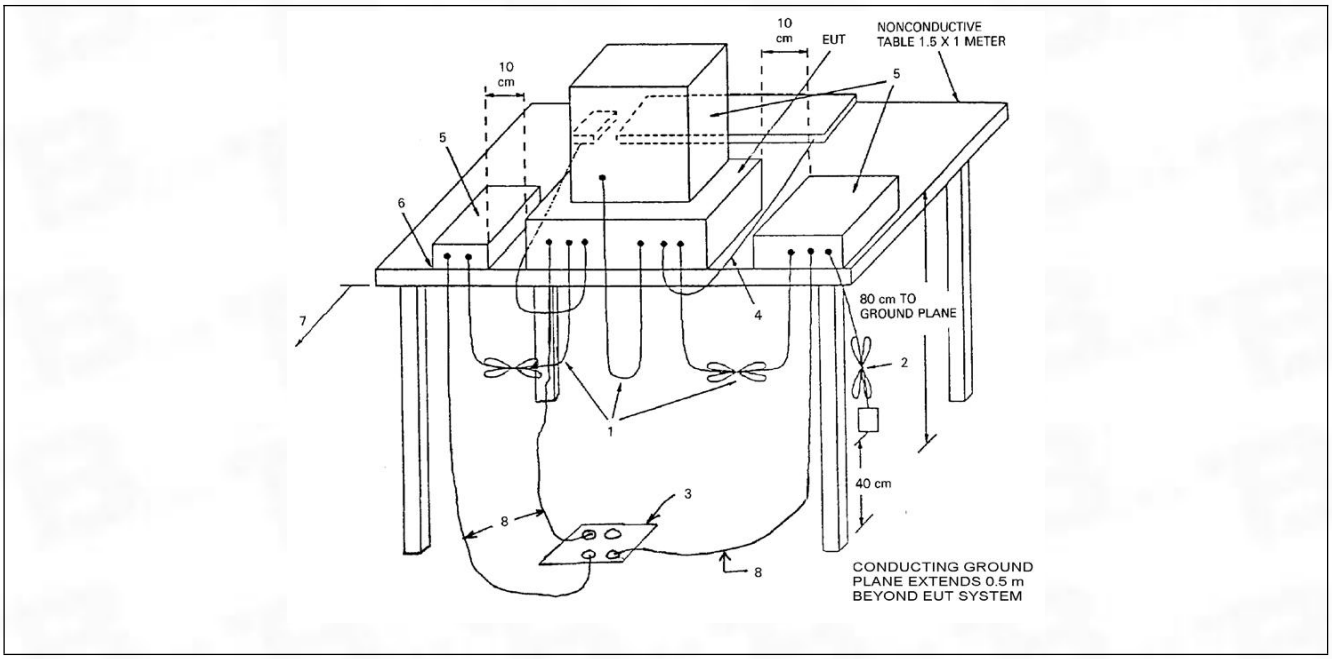
Frequency of emission (MHz)	Field strength @3m		Field strength @10m	
	(uV/m)	(dBuV/m)	(uV/m)	(dBuV/m)
30 – 88	100	40	30	29.5
88 – 216	150	43.5	45	33.1
216 – 960	200	46	60	35.6
Above 960	500	54	150	43.5

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:

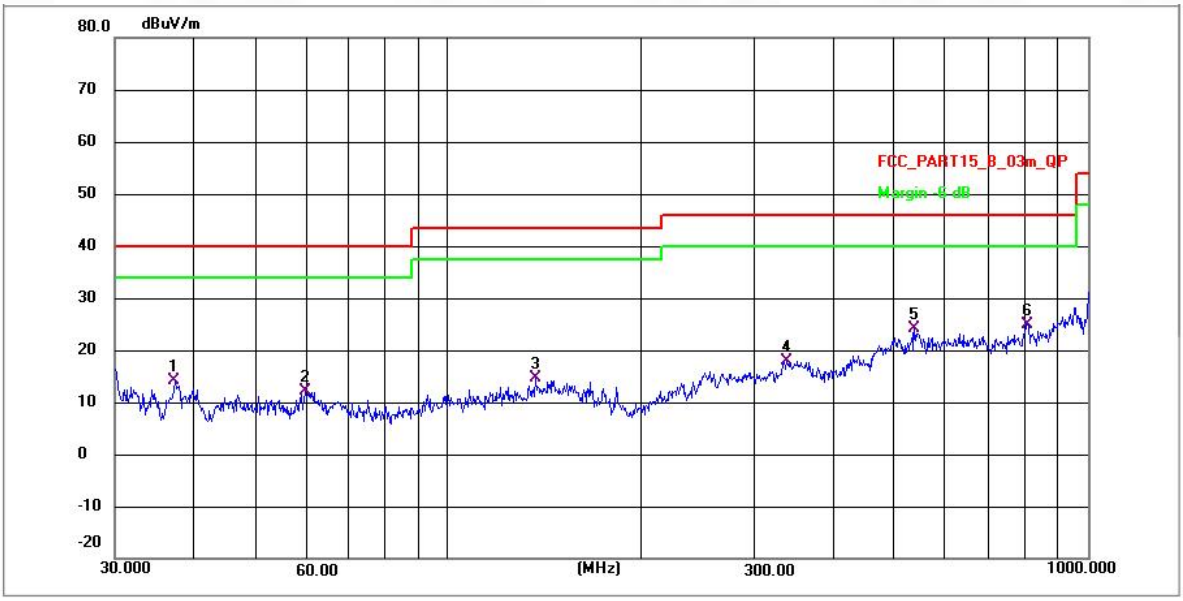
Operating Environment:	
Temperature:	24.5 °C
Humidity:	53.5 %
Atmospheric Pressure:	1010 mbar

5.2.2 Test Setup Diagram:



5.2.3 Test Data:

TM3 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	37.3509	32.54	-18.44	14.10	40.00	-25.90	QP	P
2	59.6493	30.25	-18.19	12.06	40.00	-27.94	QP	P
3	136.4598	28.95	-14.28	14.67	43.50	-28.83	QP	P
4	337.8073	33.91	-15.97	17.94	46.00	-28.06	QP	P
5	536.6473	35.88	-11.85	24.03	46.00	-21.97	QP	P
6 *	807.4291	48.56	-23.60	24.96	46.00	-21.04	QP	P

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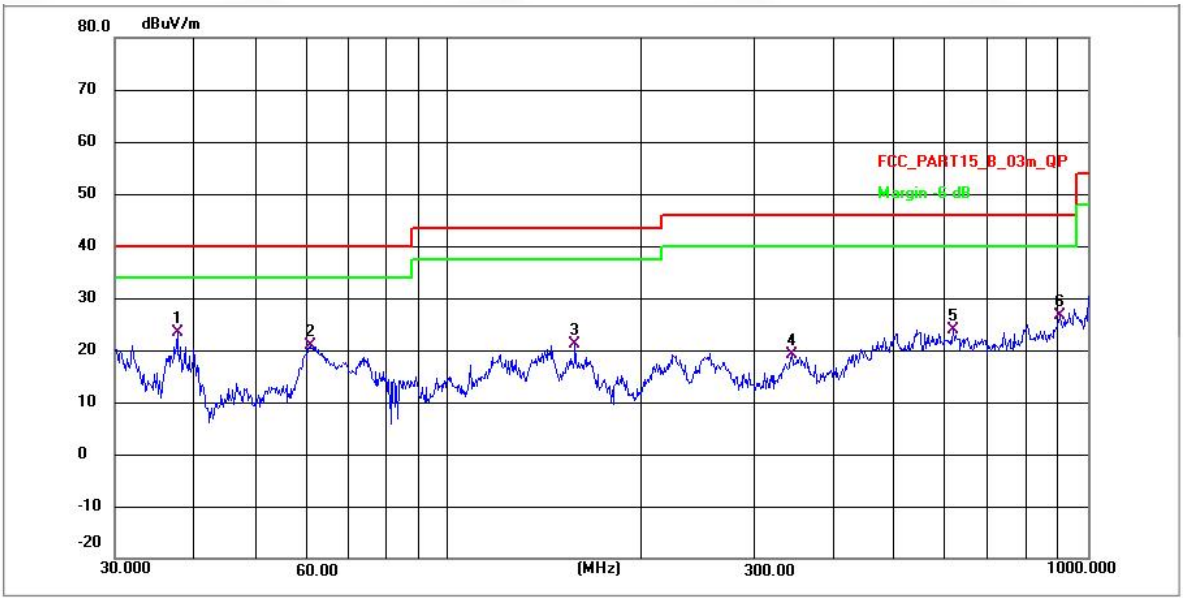
TM3 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	37.6137	43.86	-20.58	23.28	40.00	-16.72	QP	P
2	60.4919	40.98	-20.15	20.83	40.00	-19.17	QP	P
3	157.8354	35.39	-14.37	21.02	43.50	-22.48	QP	P
4	343.7822	31.13	-11.95	19.18	46.00	-26.82	QP	P
5	616.3718	36.44	-12.49	23.95	46.00	-22.05	QP	P
6	904.8945	48.63	-22.05	26.58	46.00	-19.42	QP	P

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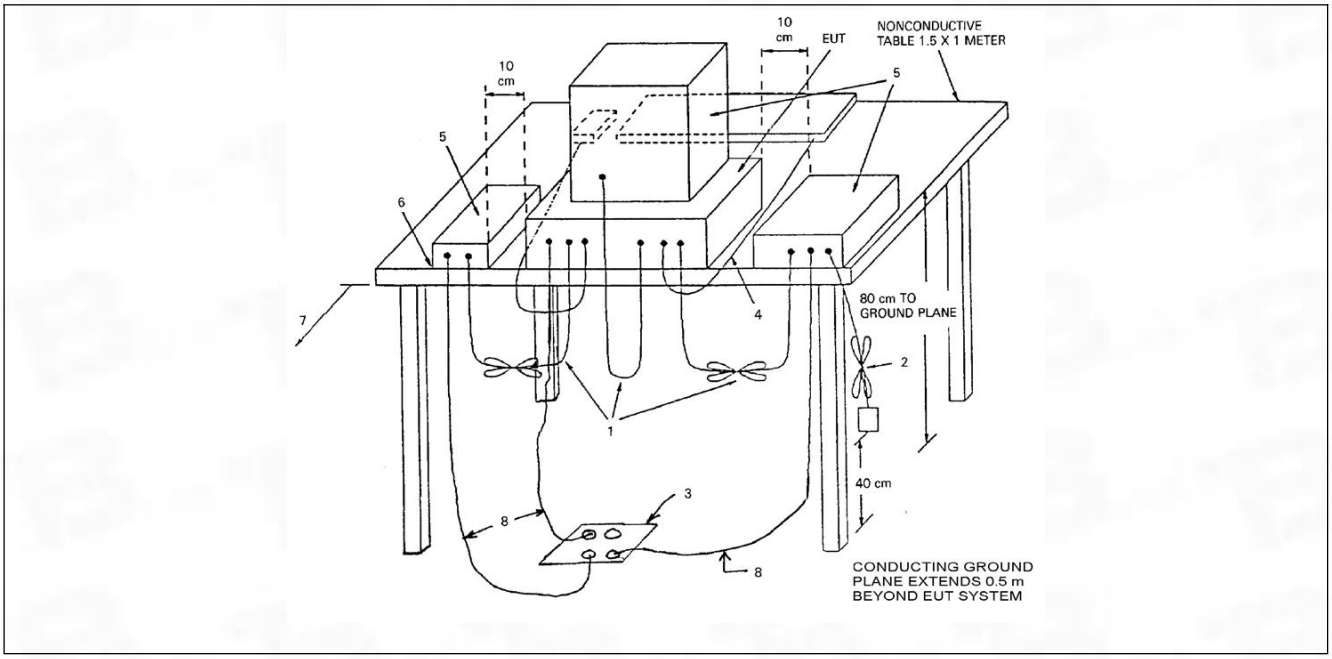
5.3 Radiated emissions (Above 1GHz)

Test Requirement:	15.109, Class B
Test Method:	ANSI C63.4-2014
Test Limit:	**Frequency of emission (MHz)** / **Field strength @3m**: **Average (uV/m)** 500; **Average(dBuV/m)** 54; **Peak (dBuV/m)** 74 (Above 1GHz)
Procedure:	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. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

5.3.1 E.U.T. Operation:

Operating Environment:	
Temperature:	24.5 °C
Humidity:	53.5 %
Atmospheric Pressure:	1010 mbar

5.3.2 Test Setup Diagram:



5.3.3 Test Data:

TM3 / Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1296.677	70.94	-30.60	40.34	74.00	-33.66	peak	P
2	1835.664	70.58	-31.19	39.39	74.00	-34.61	peak	P
3	2516.216	74.91	-30.34	44.57	74.00	-29.43	peak	P
4	2945.949	76.98	-29.60	47.38	74.00	-26.62	peak	P
5	4005.697	76.65	-29.00	47.65	74.00	-26.35	peak	P
6 *	5259.653	79.05	-27.15	51.90	74.00	-22.10	peak	P

TM3 / Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1088.835	70.38	-29.47	40.91	74.00	-33.09	peak	P
2	1351.230	72.31	-30.90	41.41	74.00	-32.59	peak	P
3	1878.924	73.50	-31.12	42.38	74.00	-31.62	peak	P
4	2529.778	76.27	-30.32	45.95	74.00	-28.05	peak	P
5	3530.356	77.12	-29.05	48.07	74.00	-25.93	peak	P
6 *	5535.214	77.99	-26.84	51.15	74.00	-22.85	peak	P

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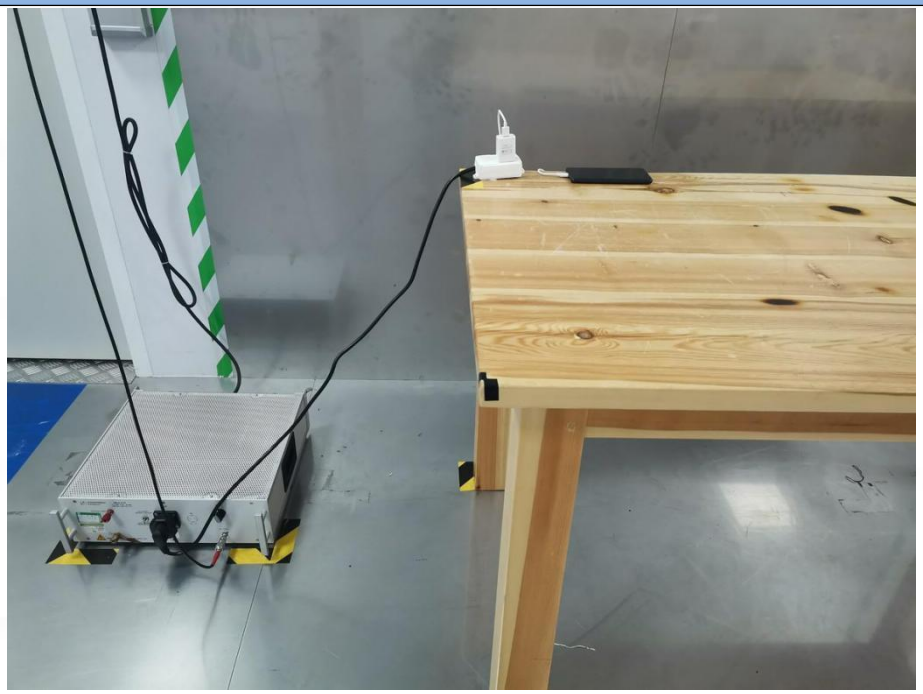
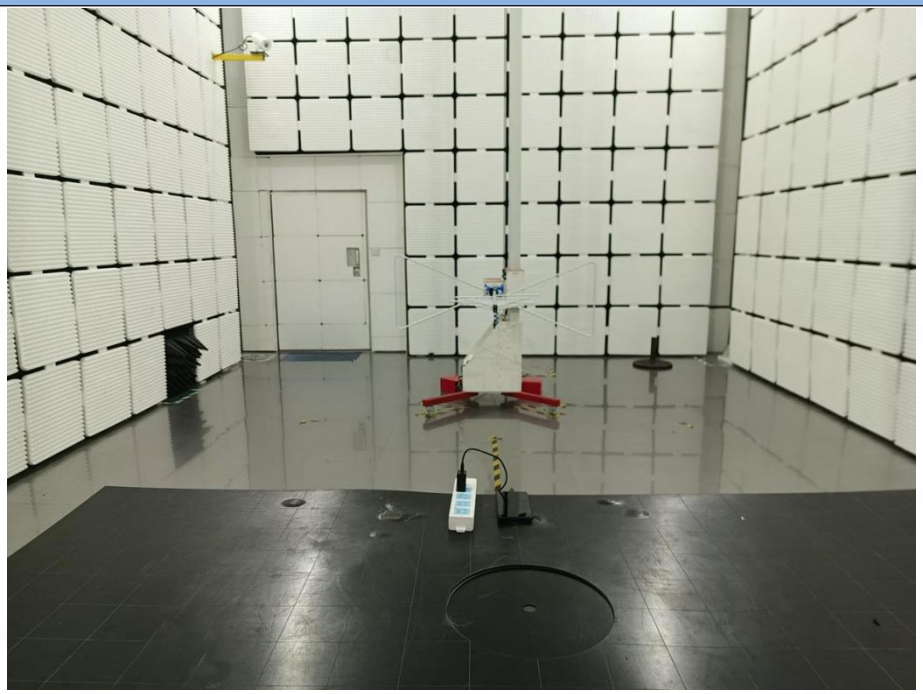
6 Test Setup Photos

Conducted emissions on AC mains


Radiated emissions (Below 1GHz)


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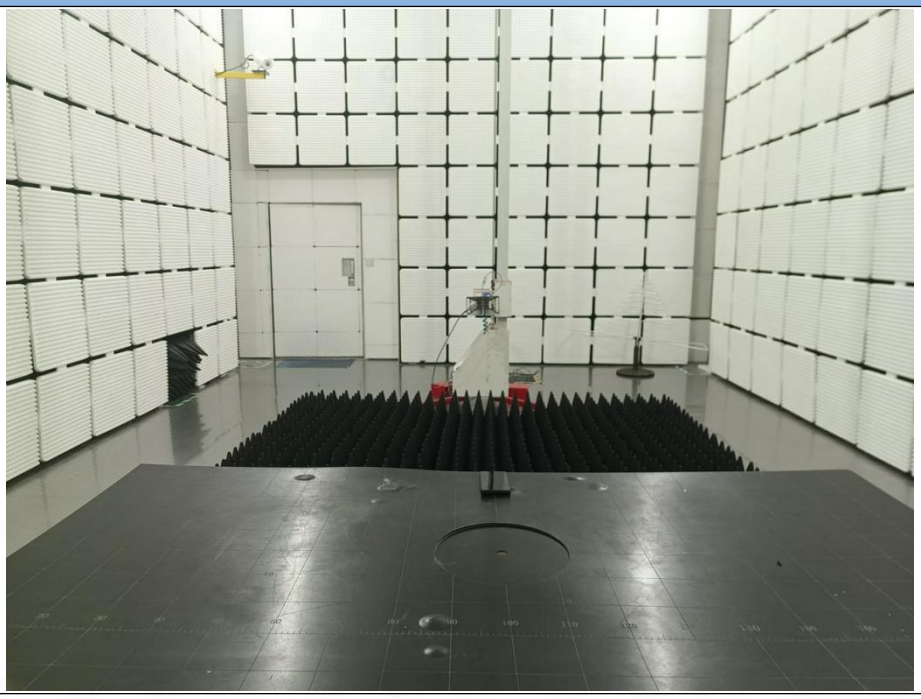
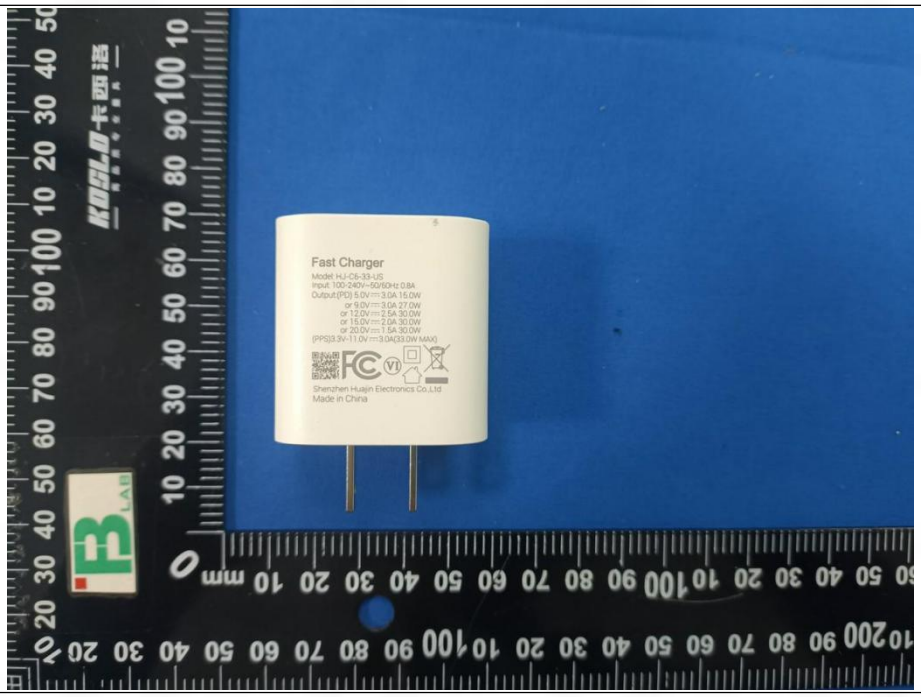
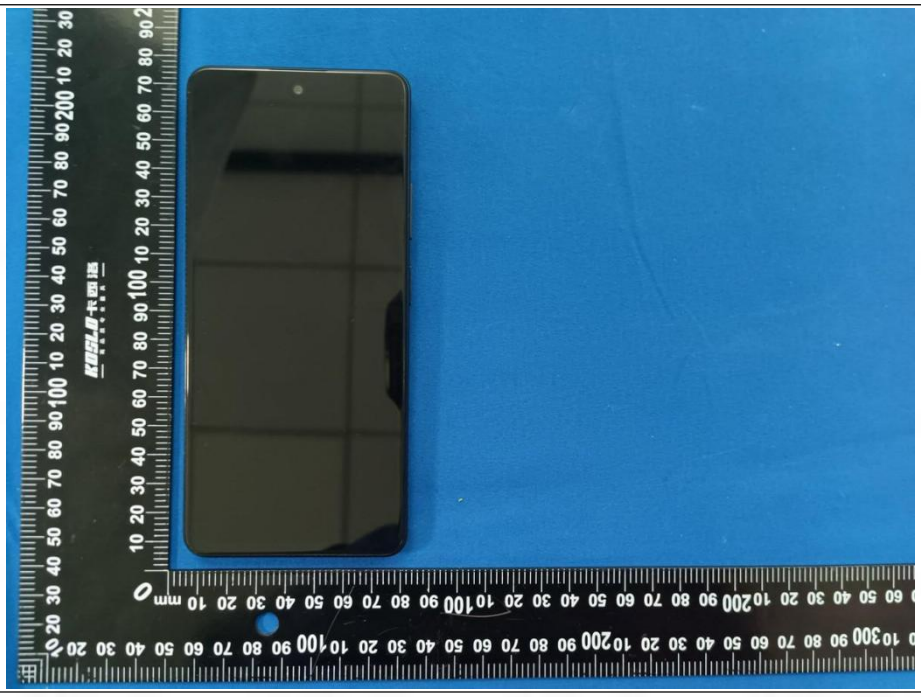
Radiated emissions (Above 1GHz)


7 EUT Constructional Details (EUT Photos)

External





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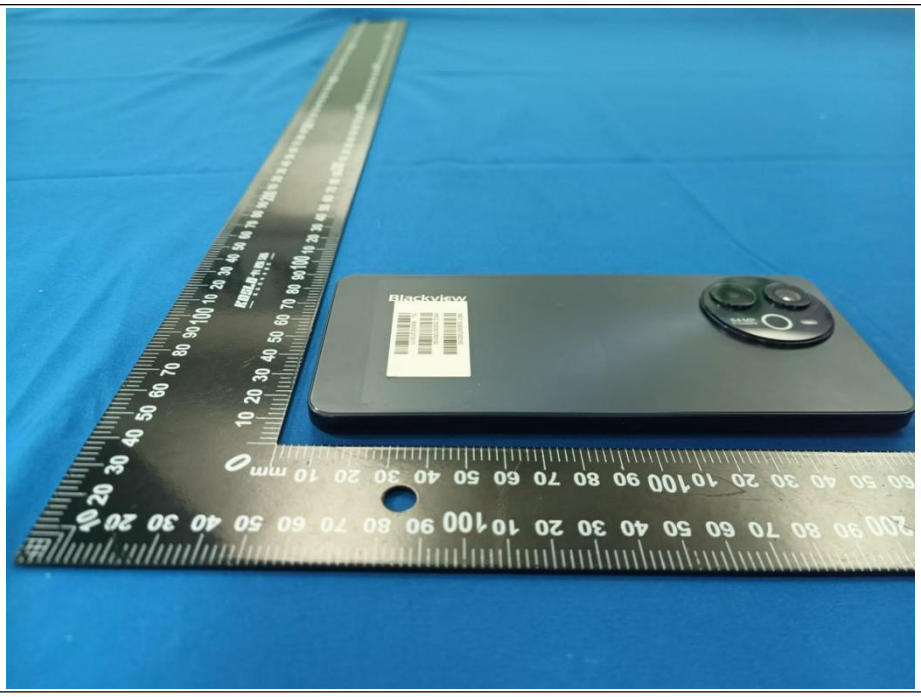

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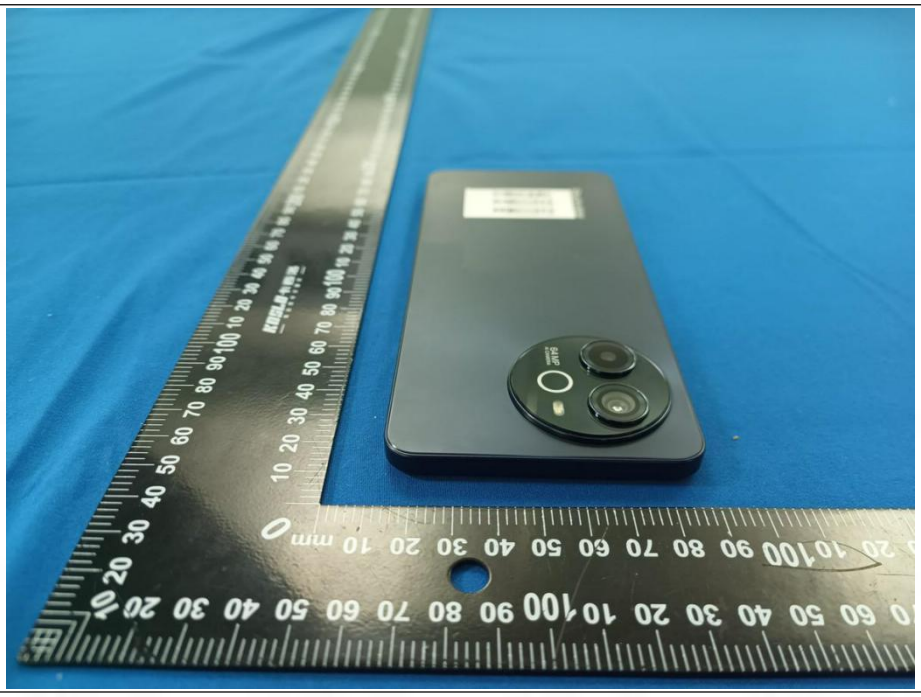

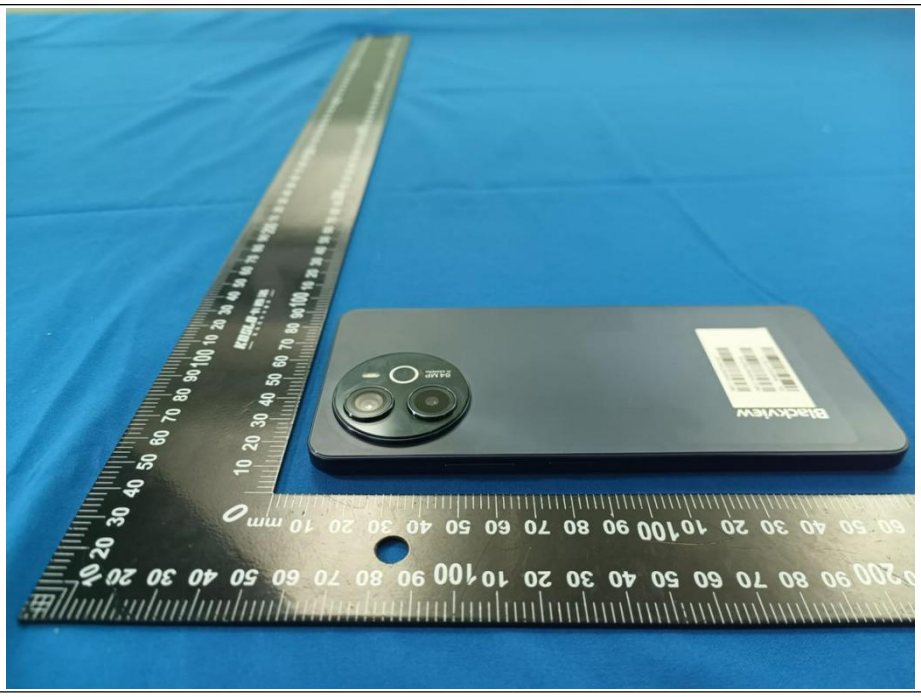

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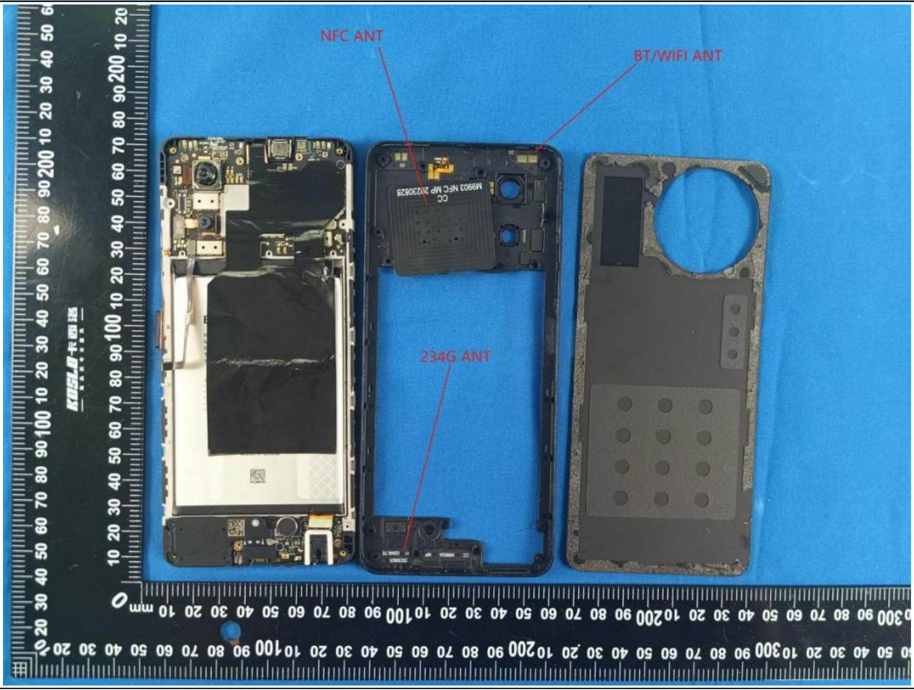


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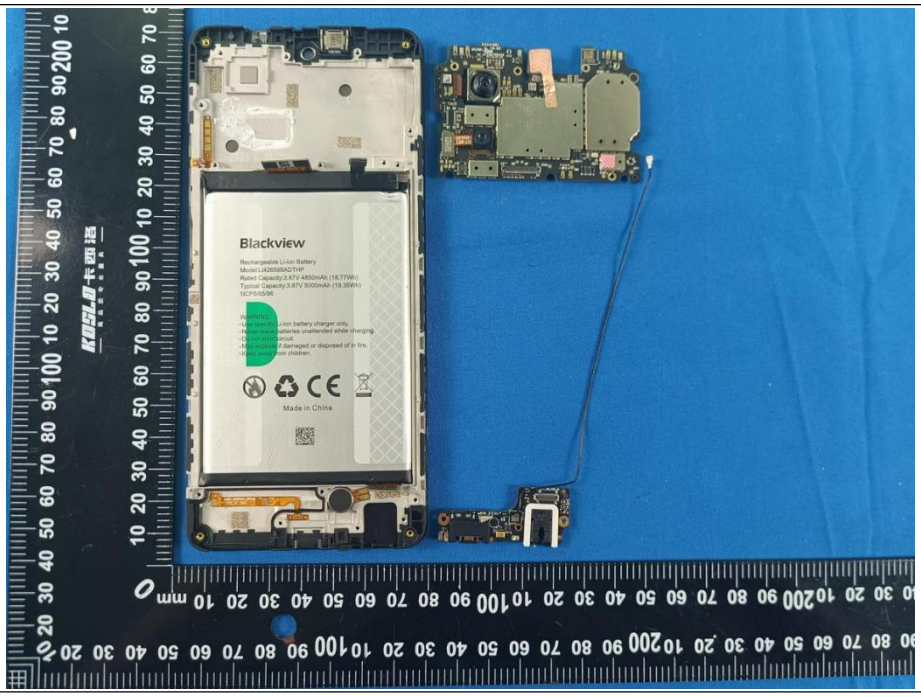
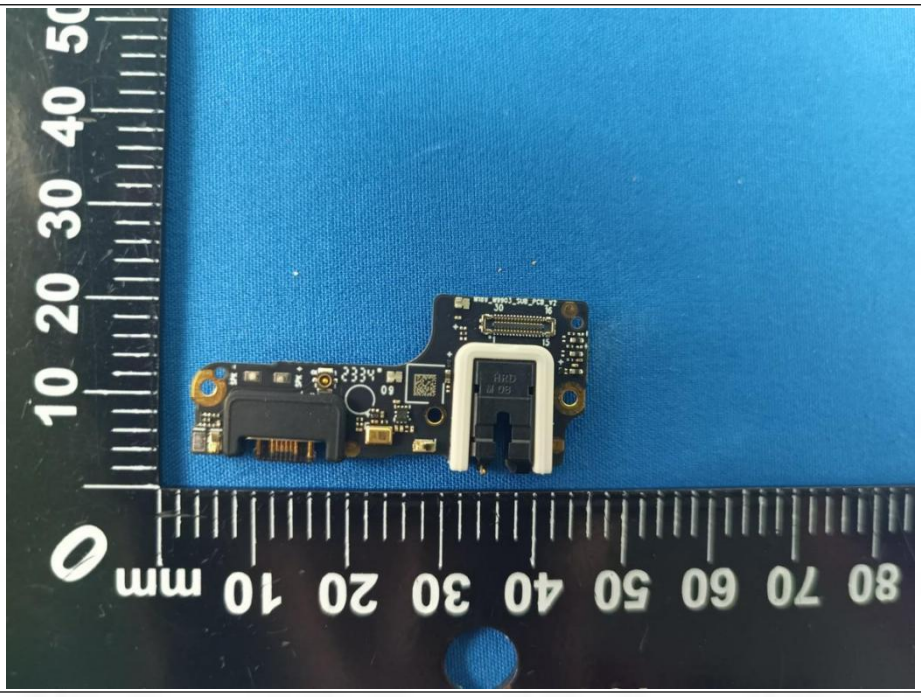
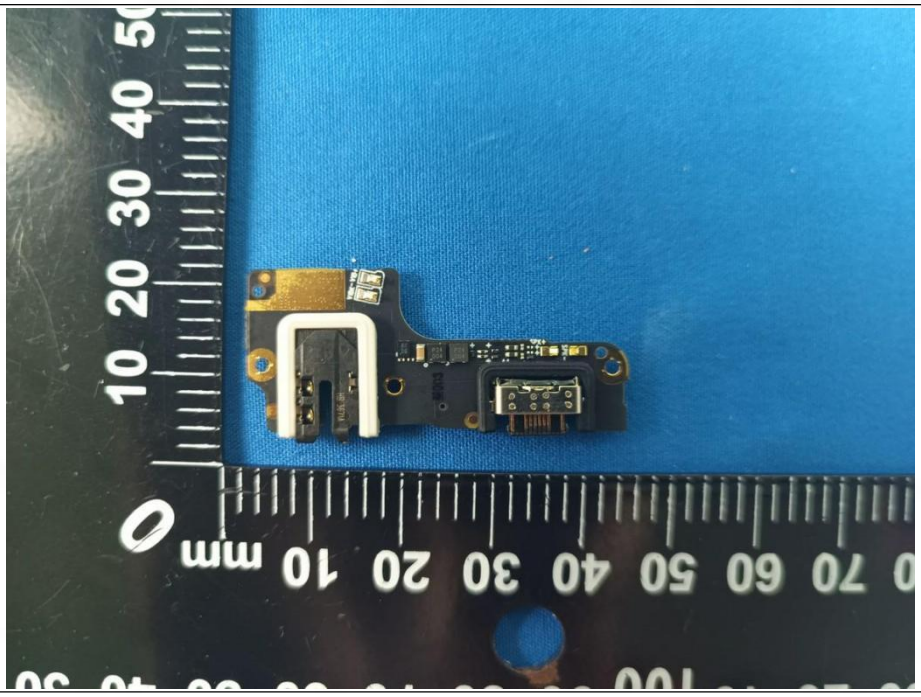
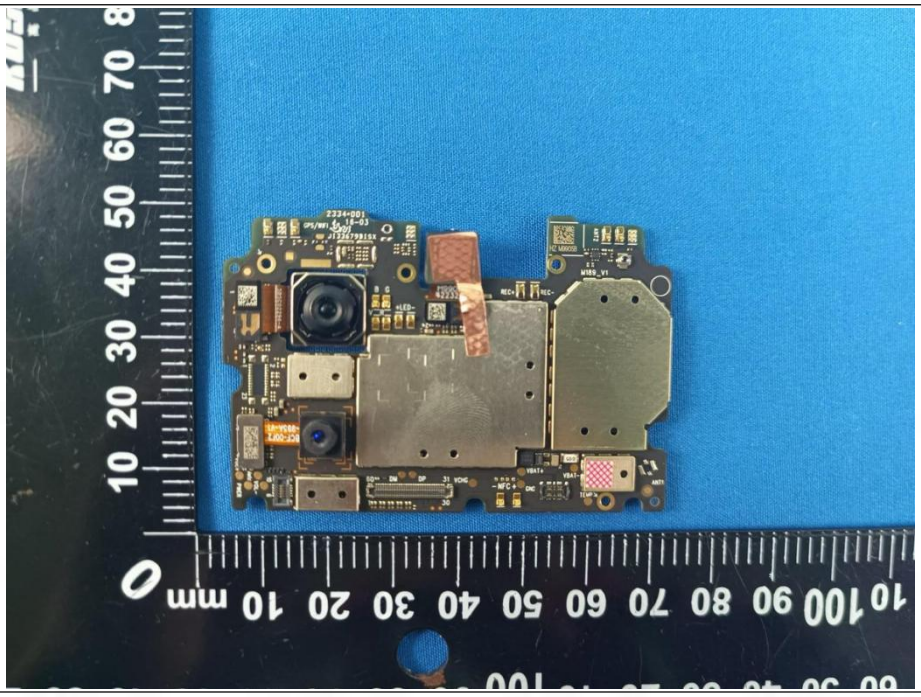
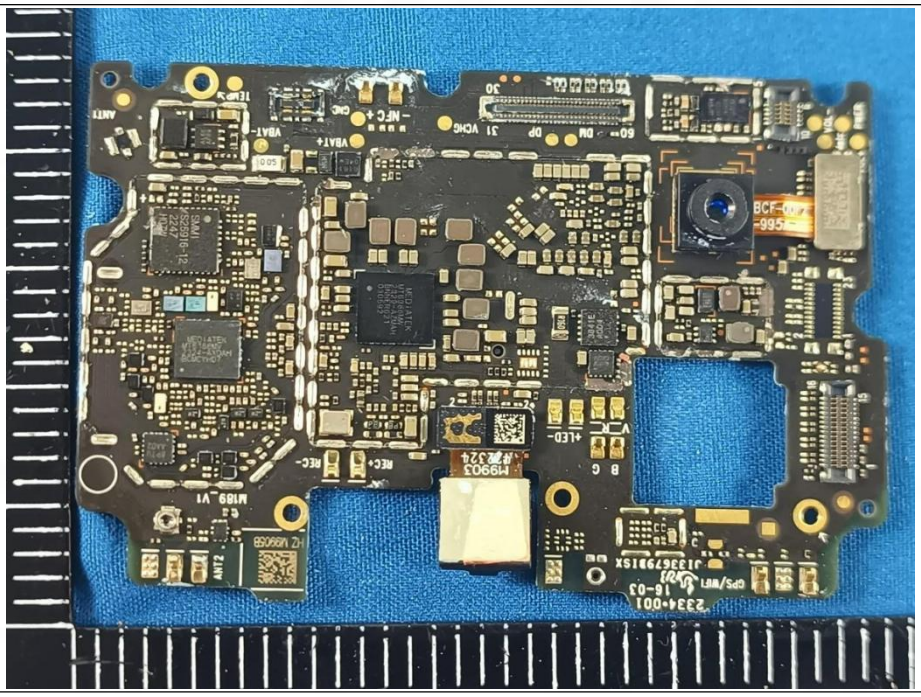
Blackview
Rechargeable Li-ion Battery
Model:Li426595ADTHP
Rated Capacity:3.87V 4850mAh (18.77Wh)
Typical Capacity:3.87V 5000mAh (19.35Wh)
1ICP5/65/96
WARNING
• Use specific Li-ion battery charger only.
• Never leave batteries unattended while charging.
• Do not short circuit.
• May explode if damaged or disposed of in fire.
• Keep away from children.
Made in China


Blackview









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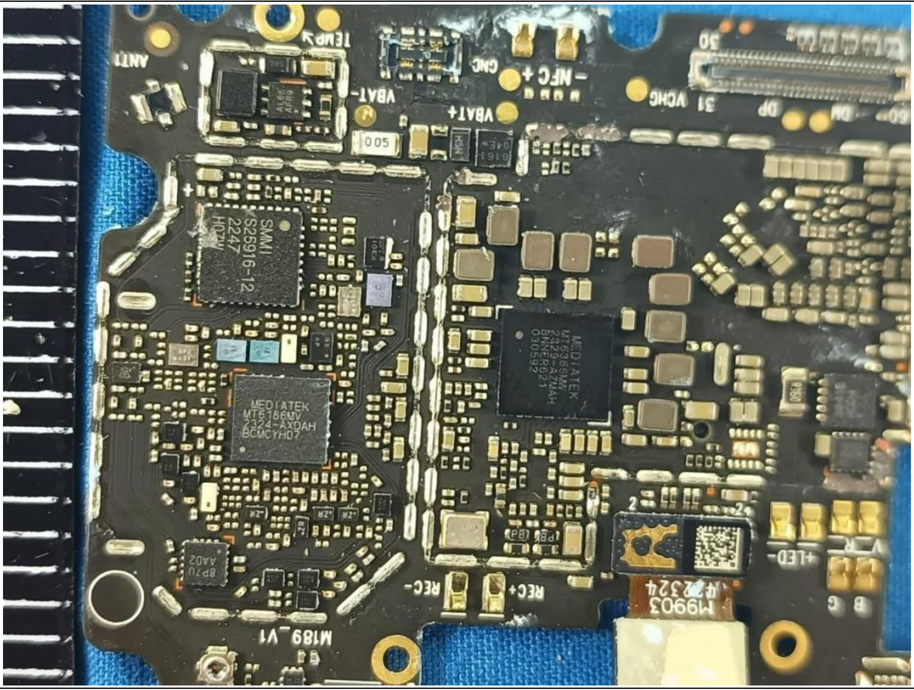

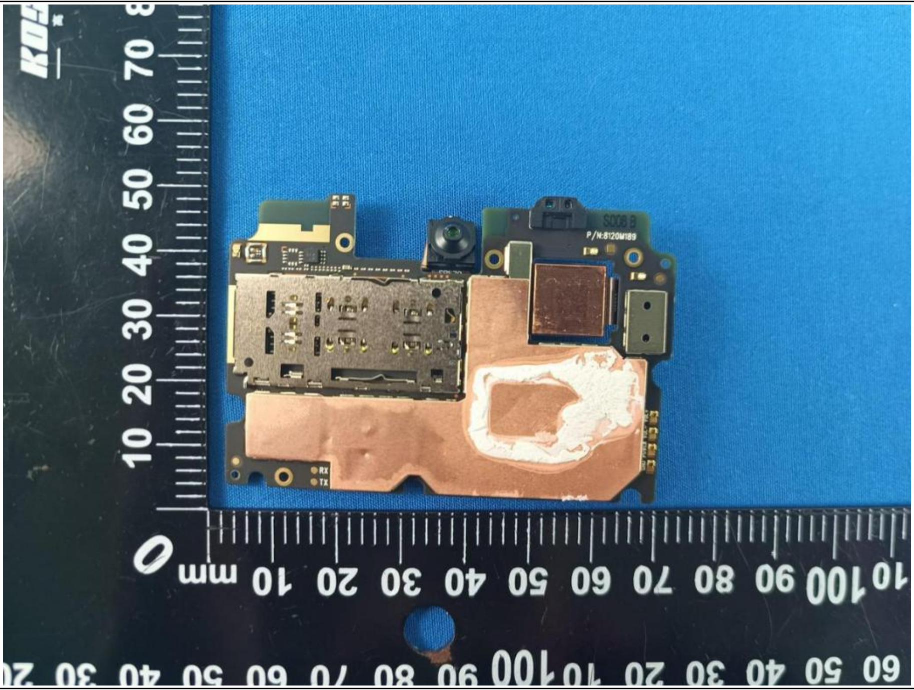

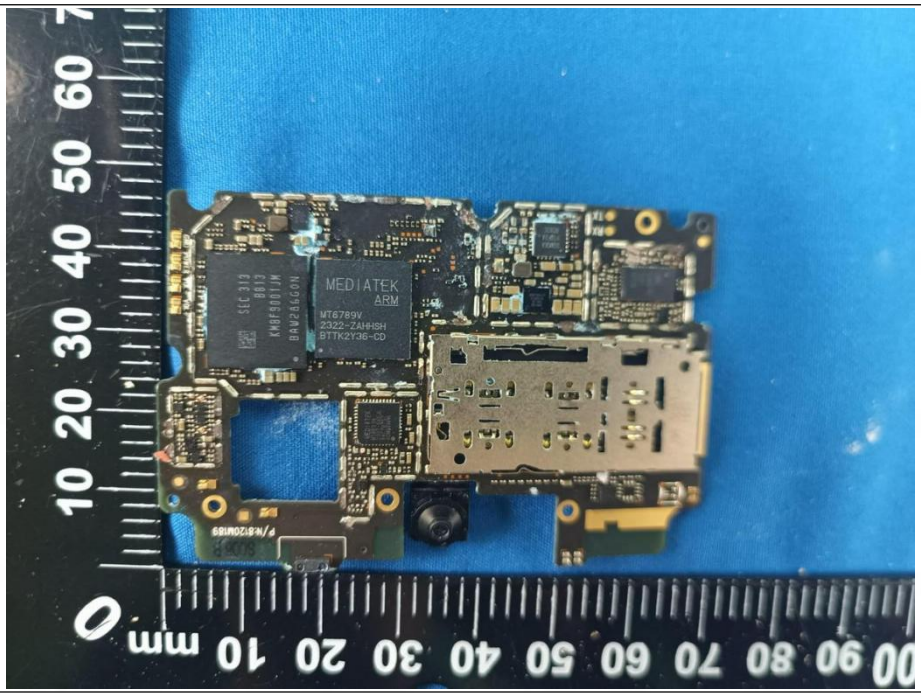

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-- END OF REPORT --

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