



FCC SDoC Test Report

For

Applicant Name: FOXX Development Inc.
Address: 3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA
EUT Name: Smart phone
Brand Name: FOXXD
Model Number: A62

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: BTF230921E00201
Test Standards: 47 CFR Part 15, Subpart B

Test Conclusion: Pass
FCC ID: 2AQRM-A62
Test Date: 2023-09-22 to 2023-10-18
Date of Issue: 2023-10-19

Prepared By:

Aria Zhang

Date:

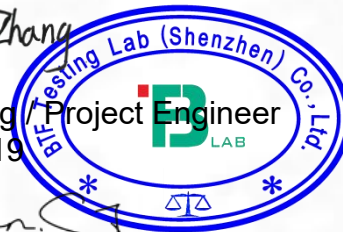
2023-10-19

Approved By:

Ryan.CJ

Date:

Ryan.CJ / EMC Manager
2023-10-19



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Revision History		
Version	Issue Date	Revisions Content
R_V0	2023-10-19	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:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.2 Manufacturer Information

Company Name:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.3 Factory Information

Company Name:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.4 General Description of Equipment under Test (EUT)

EUT Name:	Smart phone
Test Model Number:	A62
Hardware Version:	H327_MB_V1
Software Version:	Android_FOXXD_A62_V1.0

2.5 Technical Information

Power Supply:	DC 5V from adapter
Power Adaptor:	Input: 100-240V~50/60Hz 0.2A Output: 5.0V \pm 1000mA

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
All emissions, radiated (<1GHz)	±4.12dB

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)					
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

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-1	21101568	2022-11-24	2023-11-23

		m			
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
1	TM1	Video Play
2	TM2	Video Record
3	TM3	Data Transmission

5 Emission Test Results (EMI)

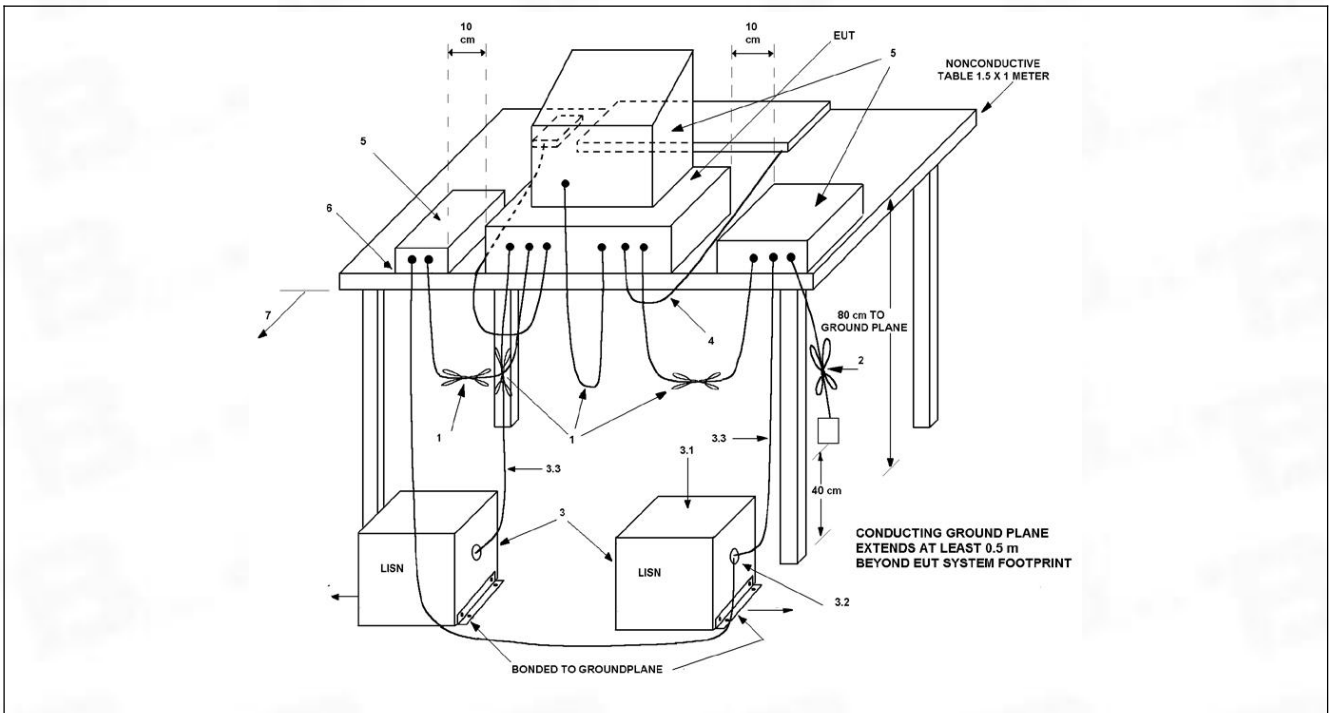
5.1 Conducted emissions on AC mains

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:

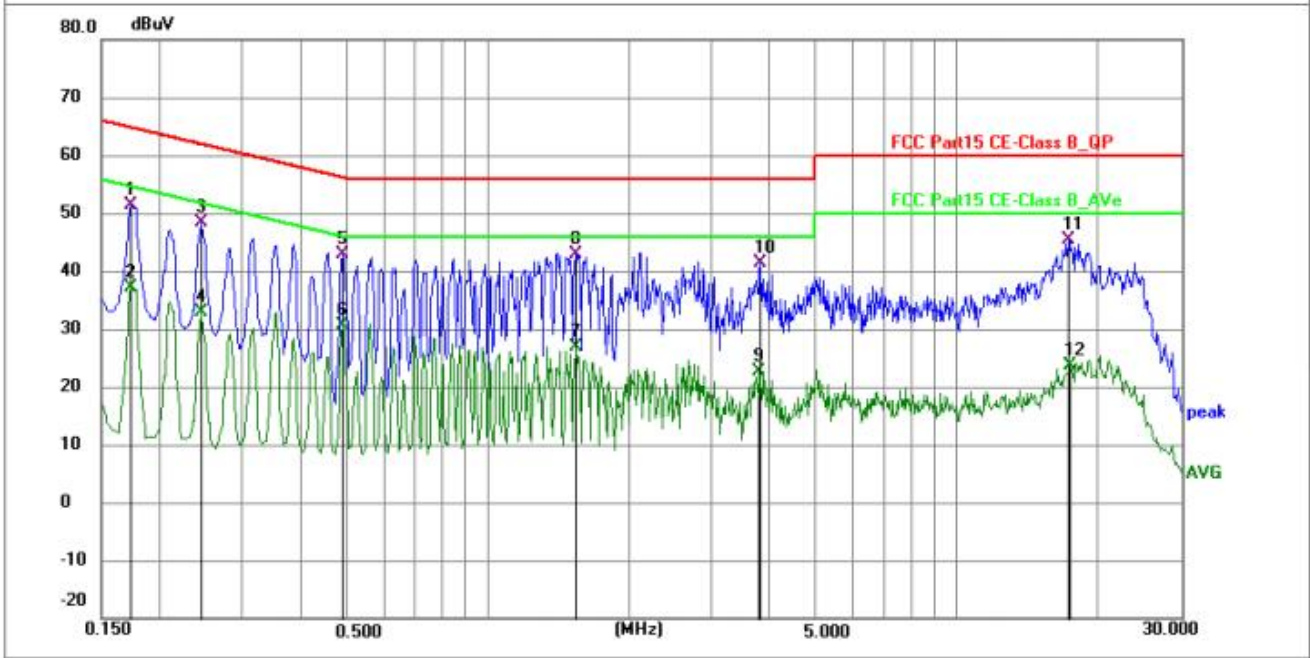
Operating Environment:	
Temperature:	24.7 °C
Humidity:	52.8 %
Atmospheric Pressure:	1010 mbar

5.1.2 Test Setup Diagram:



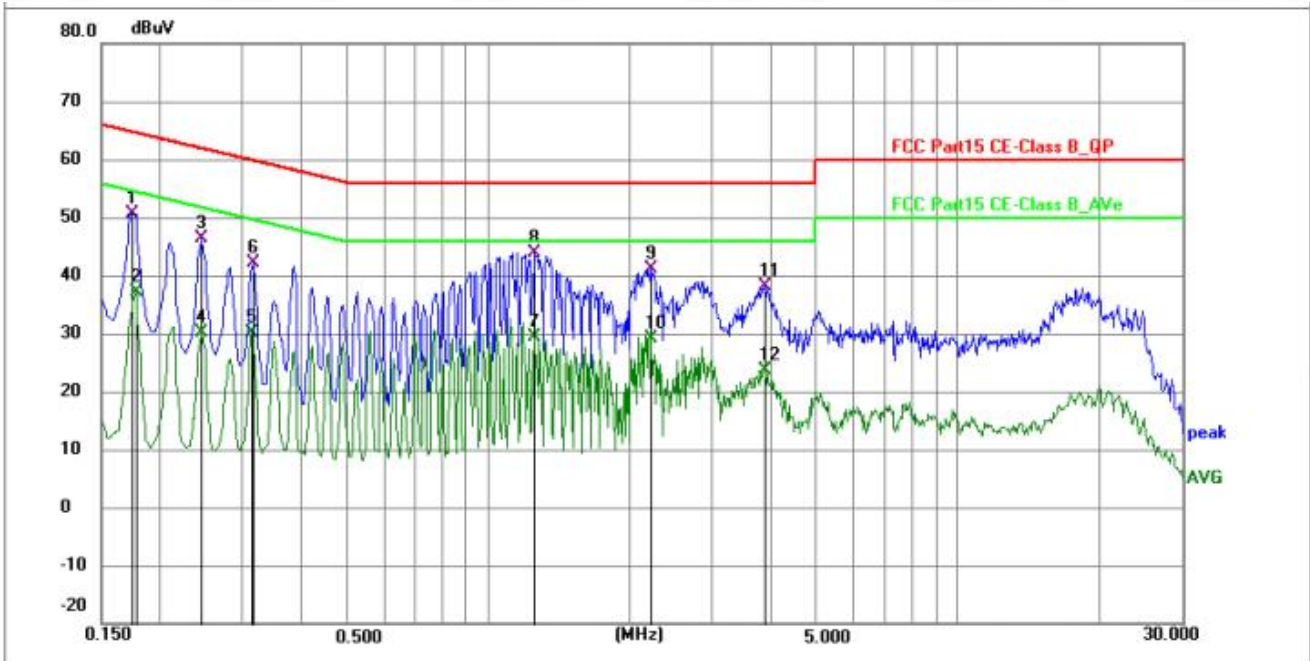
5.1.3 Test Data:

TM3 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1724	40.78	10.56	51.34	64.84	-13.50	QP	P	
2	0.1724	26.68	10.56	37.24	54.84	-17.60	AVG	P	
3	0.2444	37.89	10.59	48.48	61.95	-13.47	QP	P	
4	0.2444	22.41	10.59	33.00	51.95	-18.95	AVG	P	
5	0.4874	32.36	10.61	42.97	56.21	-13.24	QP	P	
6	0.4874	20.12	10.61	30.73	46.21	-15.48	AVG	P	
7	1.5360	16.17	10.73	26.90	46.00	-19.10	AVG	P	
8 *	1.5494	32.21	10.73	42.94	56.00	-13.06	QP	P	
9	3.7950	12.02	10.73	22.75	46.00	-23.25	AVG	P	
10	3.8084	30.60	10.73	41.33	56.00	-14.67	QP	P	
11	17.2500	34.42	10.96	45.38	60.00	-14.62	QP	P	
12	17.4074	12.77	10.97	23.74	50.00	-26.26	AVG	P	

TM3 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1750	40.14	10.56	50.70	64.72	-14.02	QP	P	
2	0.1770	26.55	10.56	37.11	54.63	-17.52	AVG	P	
3	0.2444	35.84	10.59	46.43	61.95	-15.52	QP	P	
4	0.2444	19.65	10.59	30.24	51.95	-21.71	AVG	P	
5	0.3120	19.49	10.60	30.09	49.92	-19.83	AVG	P	
6	0.3165	31.43	10.60	42.03	59.80	-17.77	QP	P	
7	1.2524	18.56	10.76	29.32	46.00	-16.68	AVG	P	
8 *	1.2570	33.08	10.76	43.84	56.00	-12.16	QP	P	
9	2.2244	30.49	10.69	41.18	56.00	-14.82	QP	P	
10	2.2244	18.49	10.69	29.18	46.00	-16.82	AVG	P	
11	3.8984	27.41	10.73	38.14	56.00	-17.86	QP	P	
12	3.8984	12.85	10.73	23.58	46.00	-22.42	AVG	P	

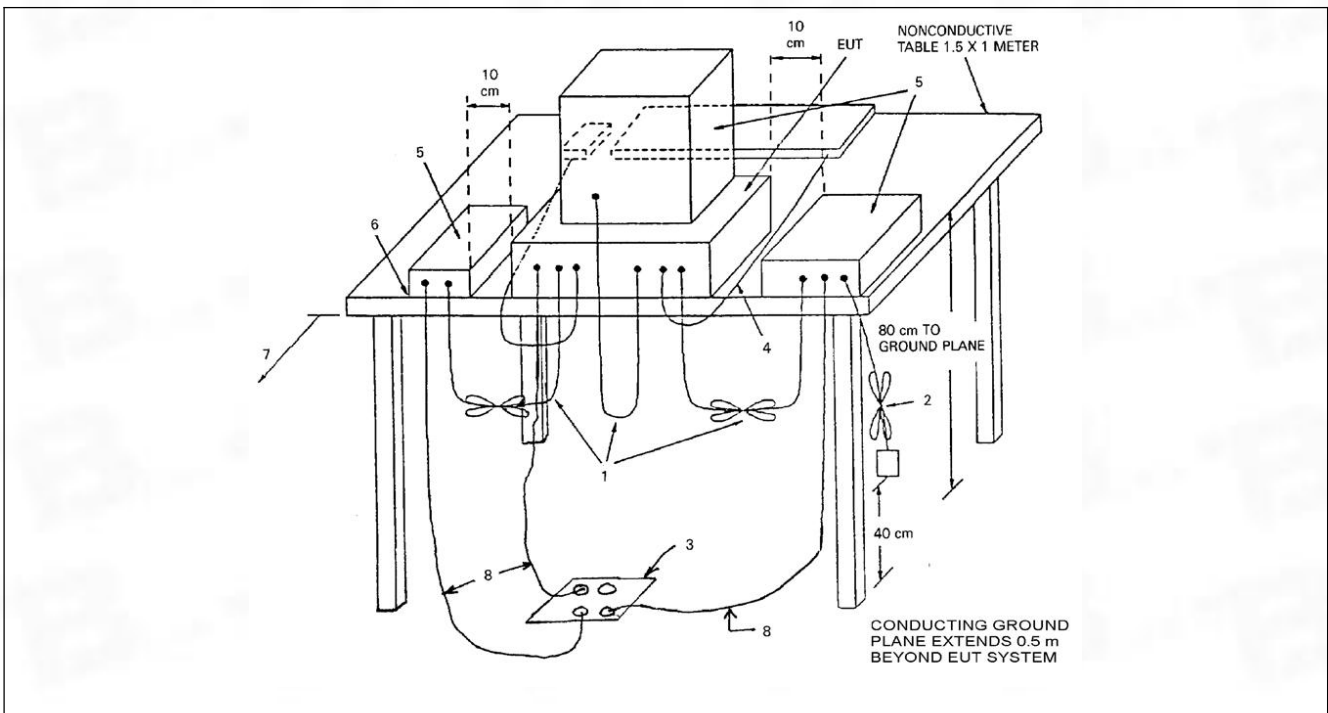
5.2 Radiated emissions (Below 1GHz)

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:	<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:

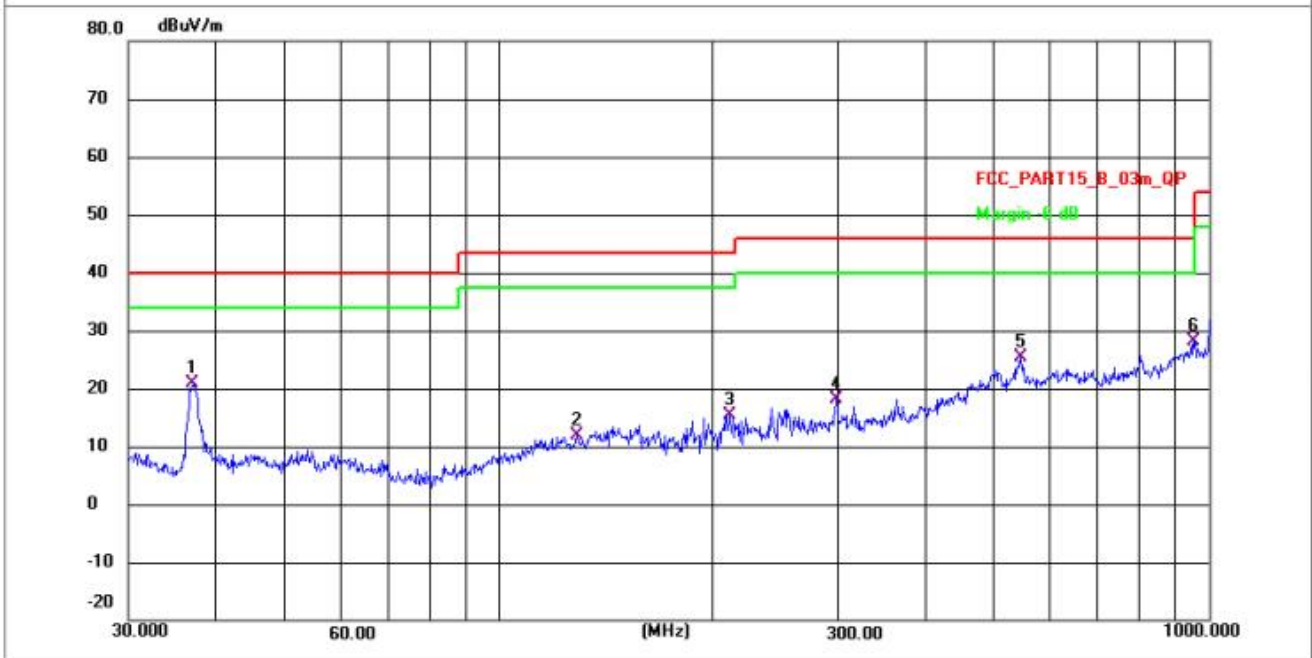
Operating Environment:	
Temperature:	24.7 °C
Humidity:	52.8 %
Atmospheric Pressure:	1010 mbar

5.2.2 Test Setup Diagram:



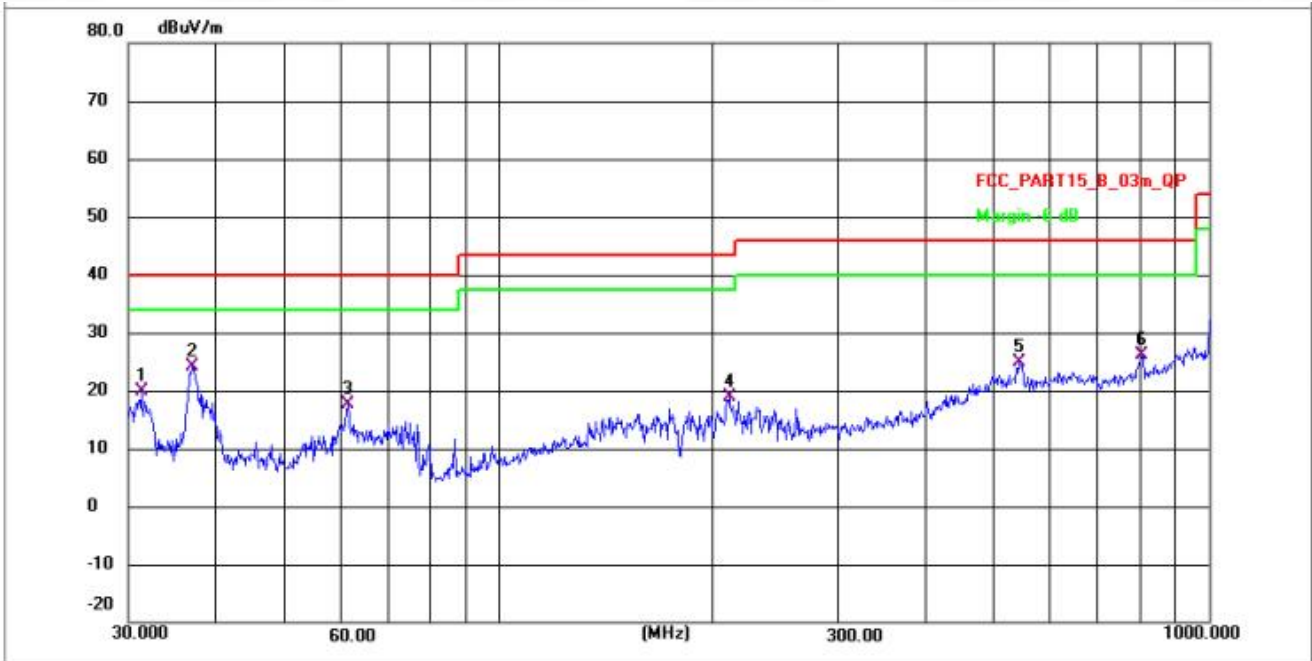
5.2.3 Test Data:

TM3 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	37.0896	39.20	-18.44	20.76	40.00	-19.24	QP	P
2	128.7884	39.97	-27.97	12.00	43.50	-31.50	QP	P
3	212.2693	42.17	-26.79	15.38	43.50	-28.12	QP	P
4	298.2681	43.58	-25.44	18.14	46.00	-27.86	QP	P
5	544.2274	47.06	-21.60	25.46	46.00	-20.54	QP	P
6 *	952.0937	49.93	-21.77	28.16	46.00	-17.84	QP	P

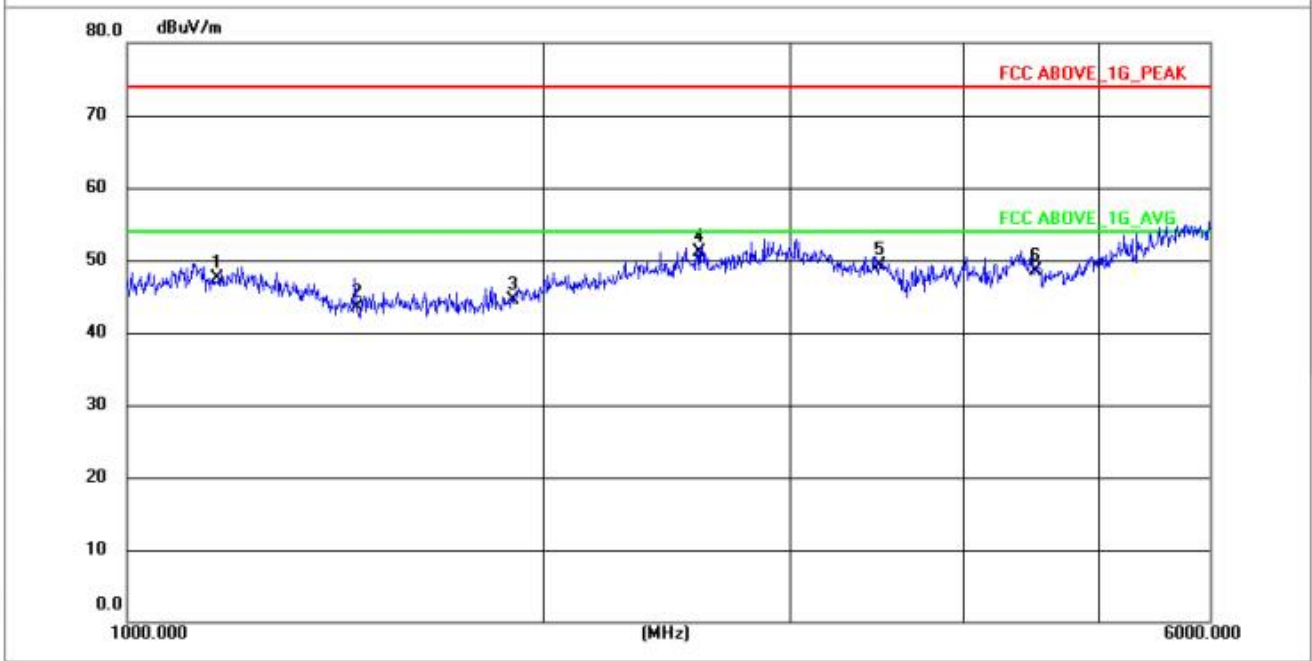
TM3 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	31.3992	40.59	-20.71	19.88	40.00	-20.12	QP	P
2 *	36.9600	44.73	-20.59	24.14	40.00	-15.86	QP	P
3	61.3462	37.86	-20.13	17.73	40.00	-22.27	QP	P
4	211.5263	45.81	-26.83	18.98	43.50	-24.52	QP	P
5	541.3724	46.56	-21.57	24.99	46.00	-21.01	QP	P
6	808.8459	49.81	-23.57	26.24	46.00	-19.76	QP	P

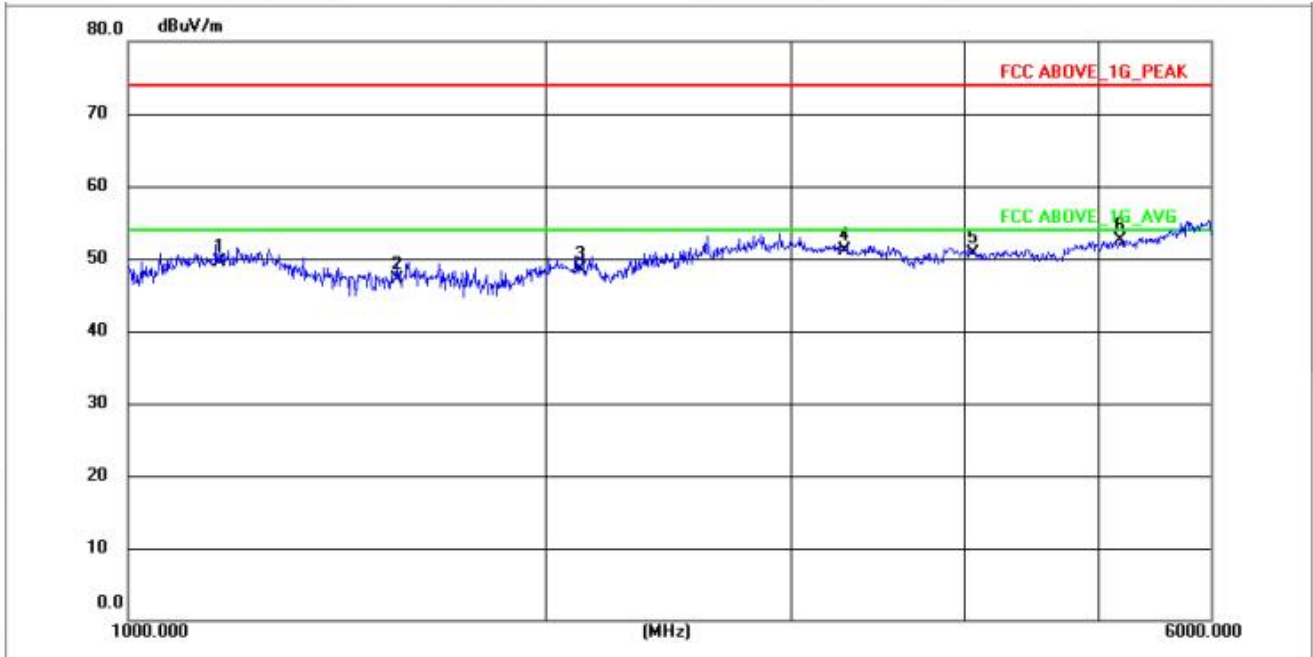
5.3.3 Test Data:

TM3 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1163.883	65.08	-17.54	47.54	74.00	-26.46	peak	P
2	1465.217	63.05	-19.58	43.47	74.00	-30.53	peak	P
3	1896.512	63.62	-19.07	44.55	74.00	-29.45	peak	P
4 *	2580.595	68.74	-17.70	51.04	74.00	-22.96	peak	P
5	3478.866	66.37	-17.00	49.37	74.00	-24.63	peak	P
6	4507.734	65.81	-17.24	48.57	74.00	-25.43	peak	P

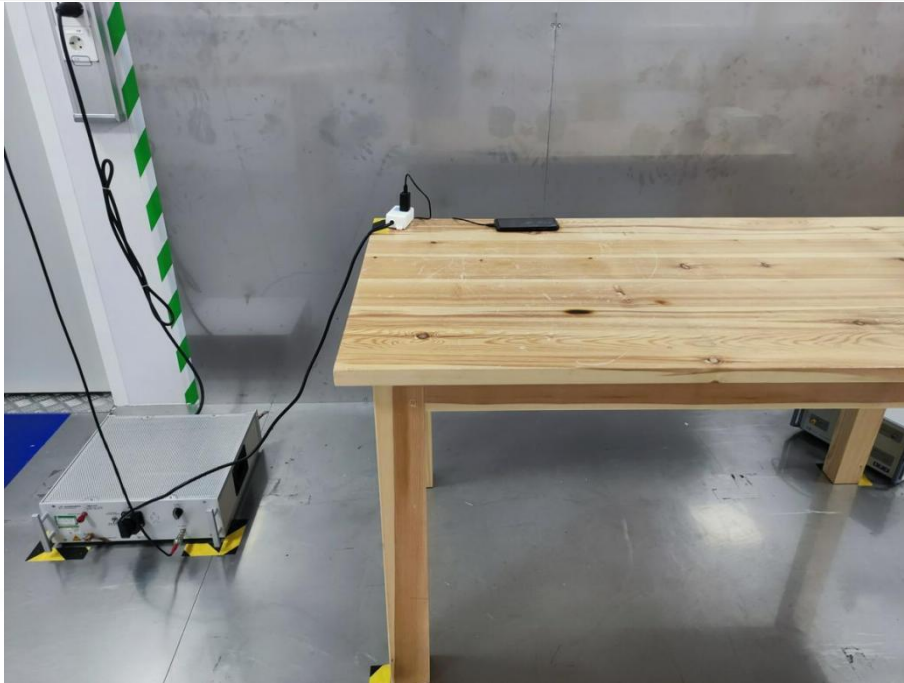
TM3 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1166.388	66.97	-17.49	49.48	74.00	-24.52	peak	P
2	1567.610	66.61	-19.41	47.20	74.00	-26.80	peak	P
3	2118.203	66.67	-18.08	48.59	74.00	-25.41	peak	P
4	3276.781	67.78	-16.77	51.01	74.00	-22.99	peak	P
5	4048.268	67.15	-16.46	50.69	74.00	-23.31	peak	P
6 *	5186.657	65.95	-13.49	52.46	74.00	-21.54	peak	P

6 Test Setup Photos

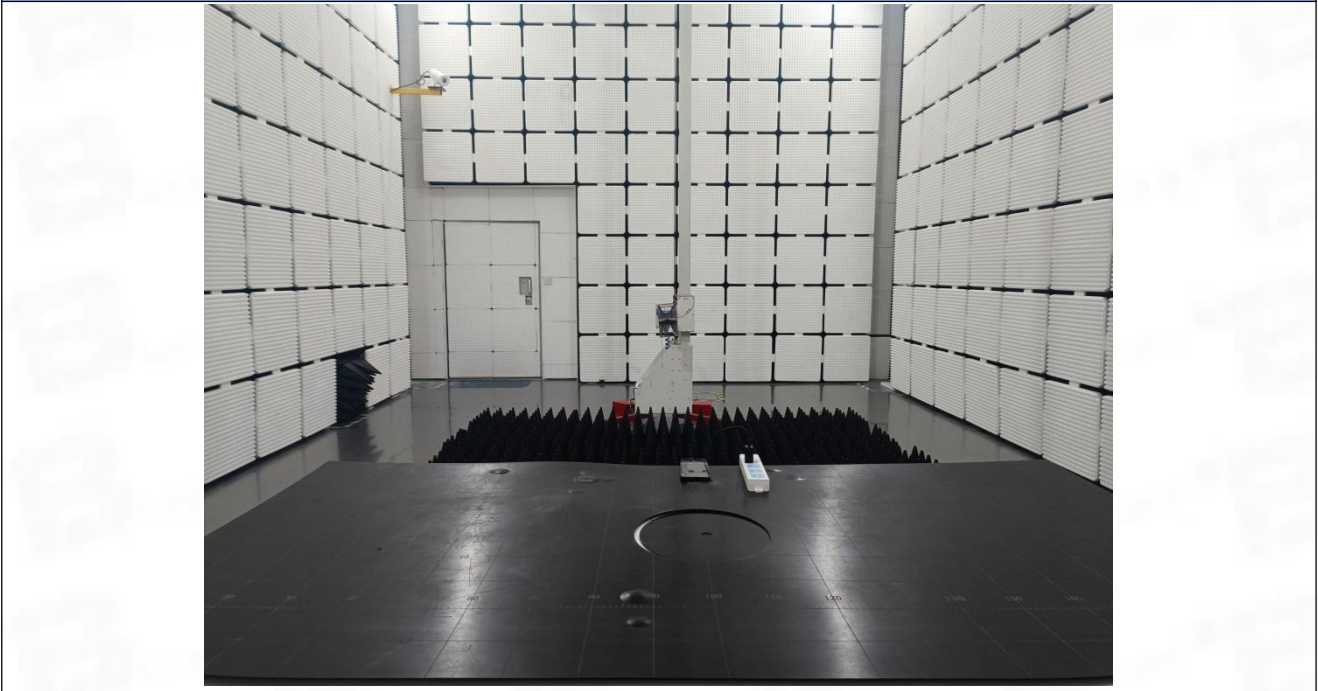
Conducted emissions on AC mains



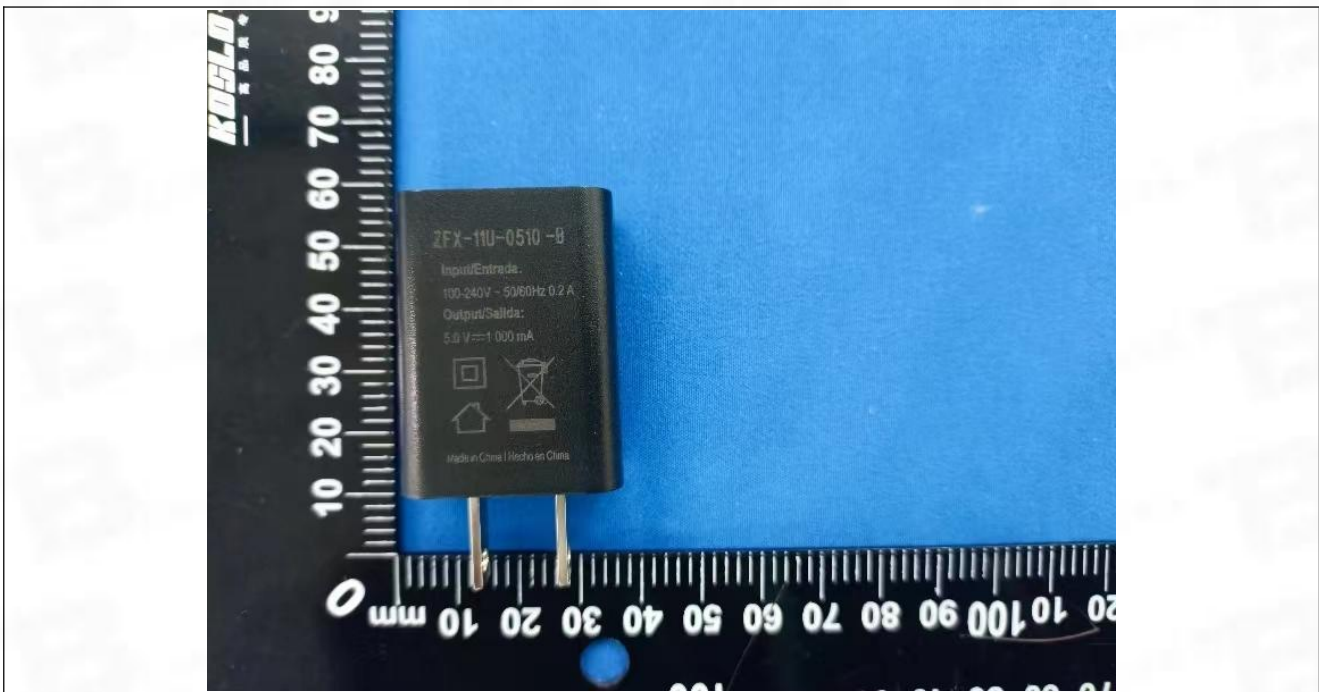
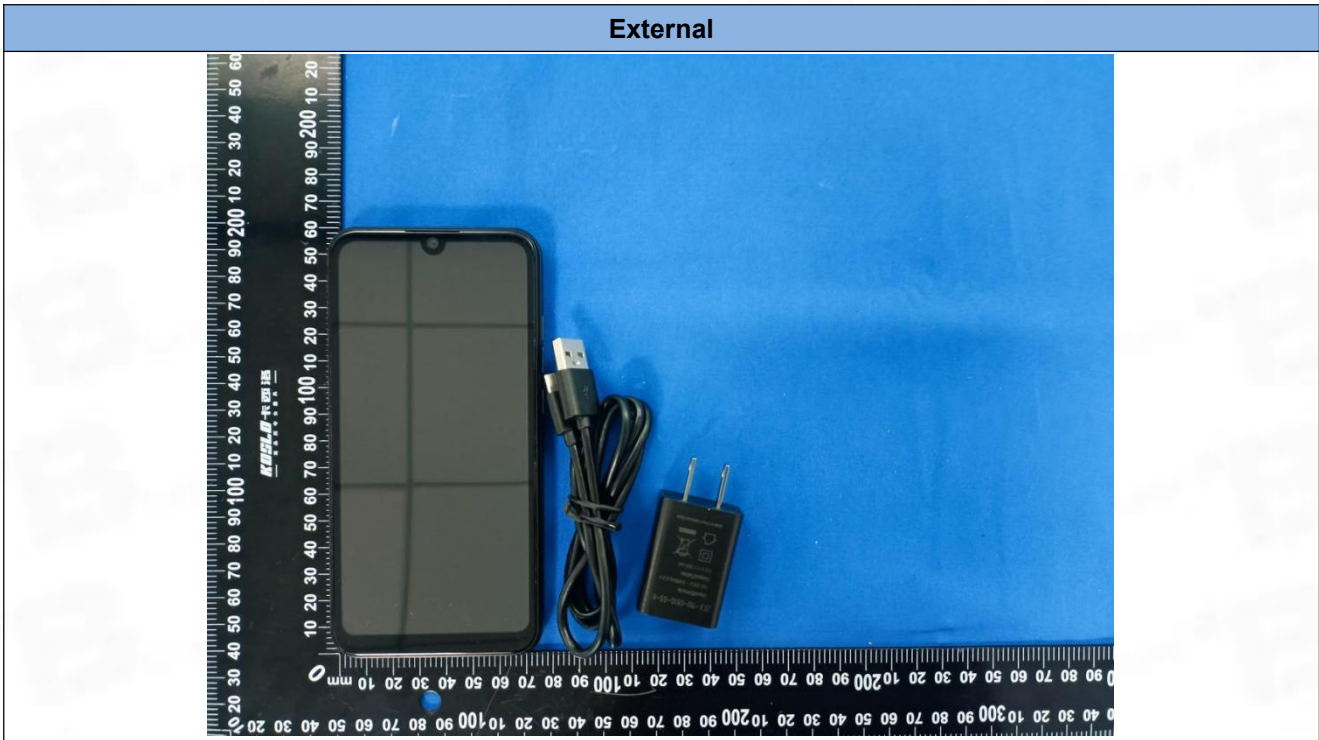
Radiated emissions (Below 1GHz)



Radiated emissions (Above 1GHz)

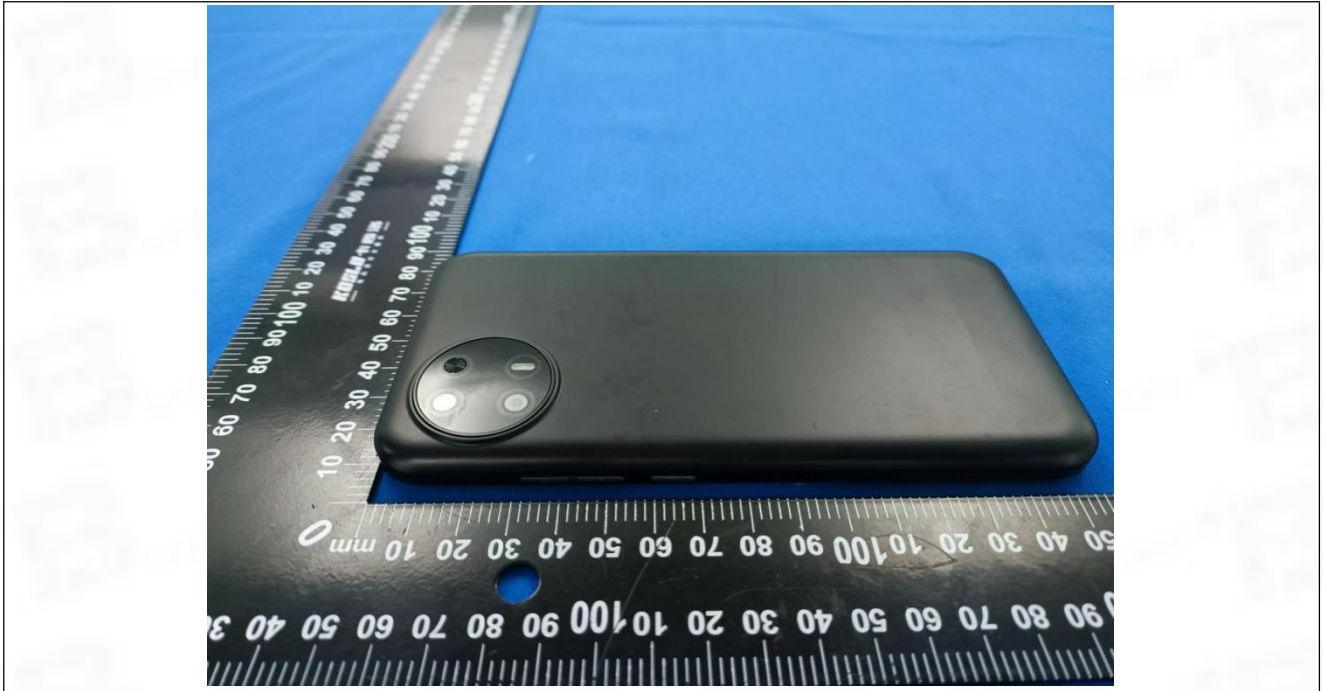


7 EUT Constructional Details (EUT Photos)



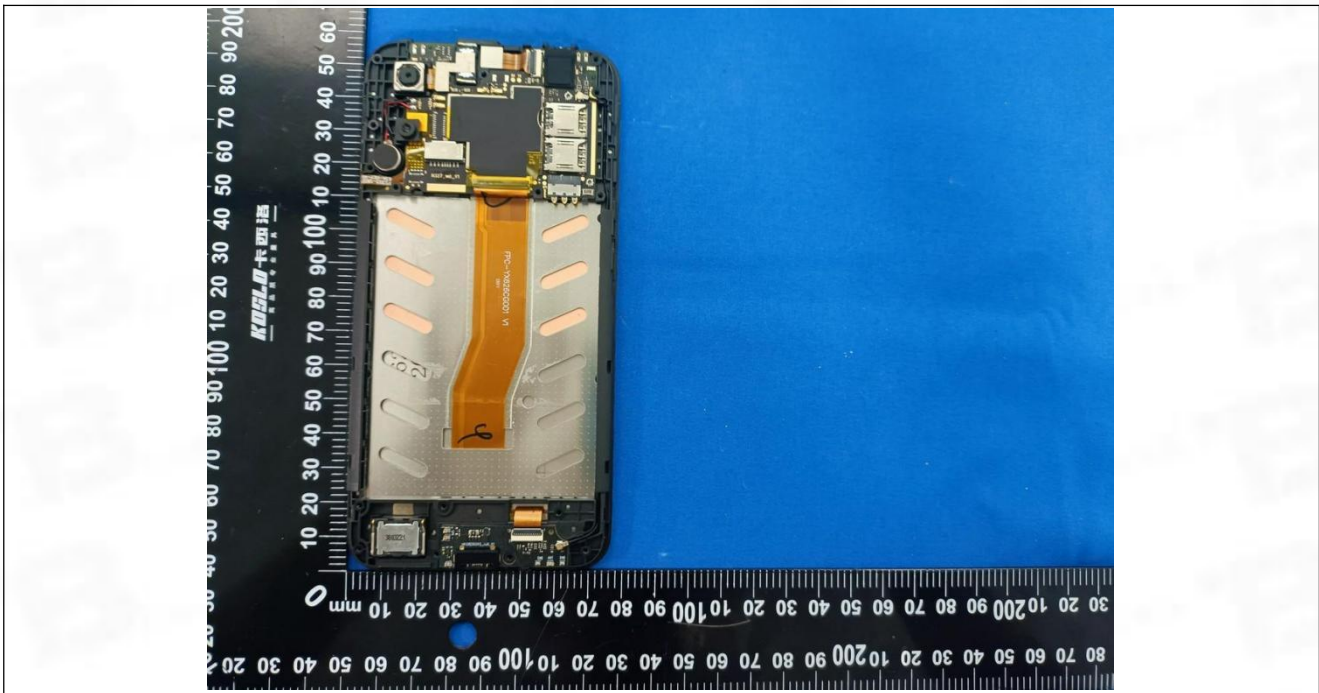


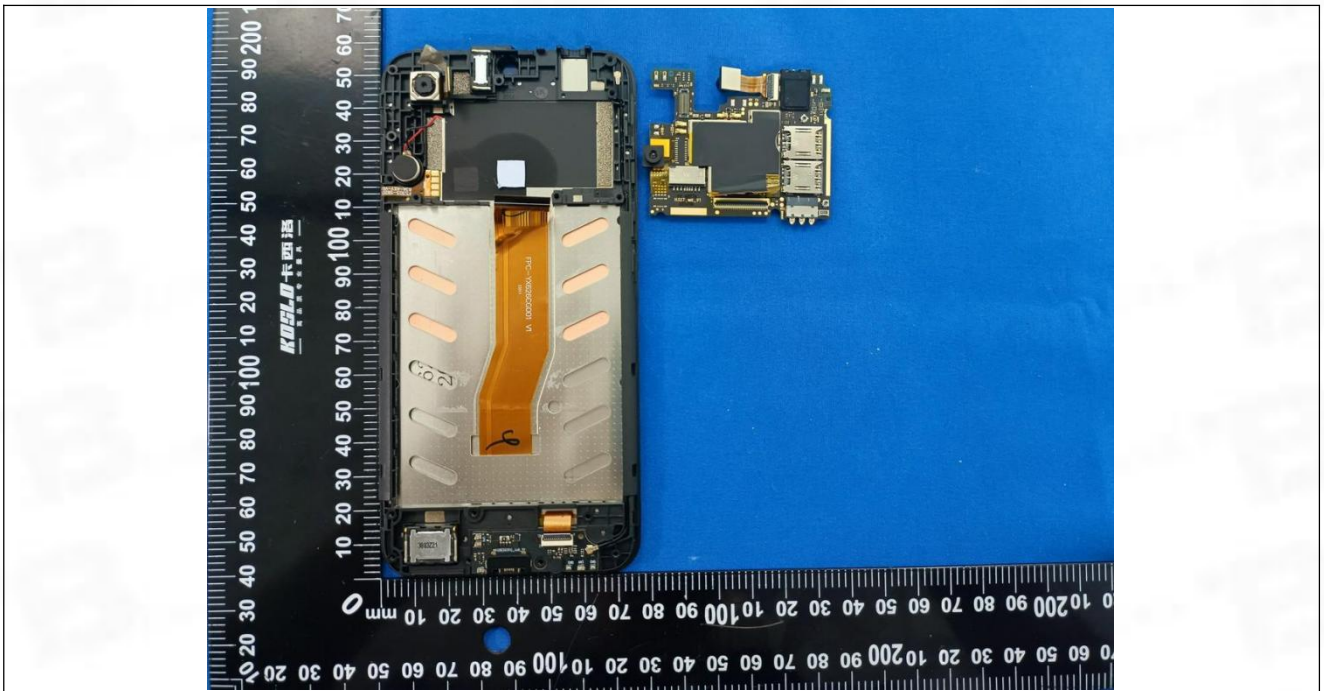
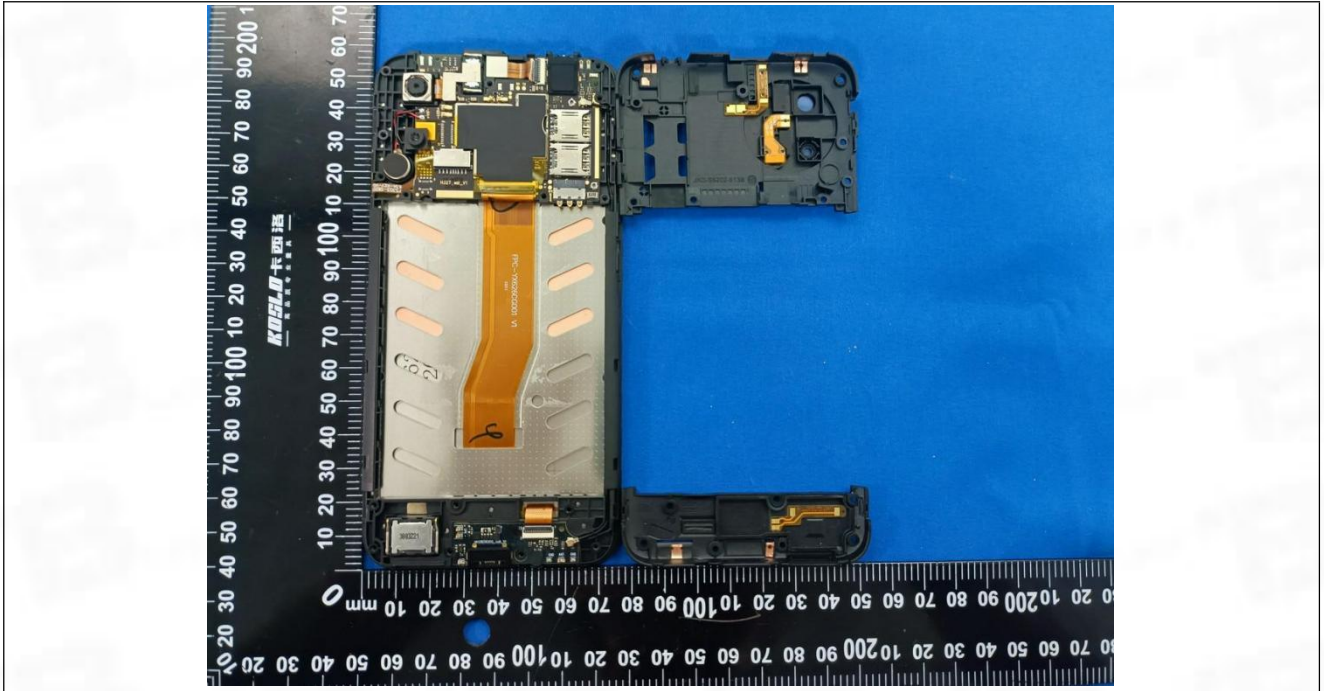


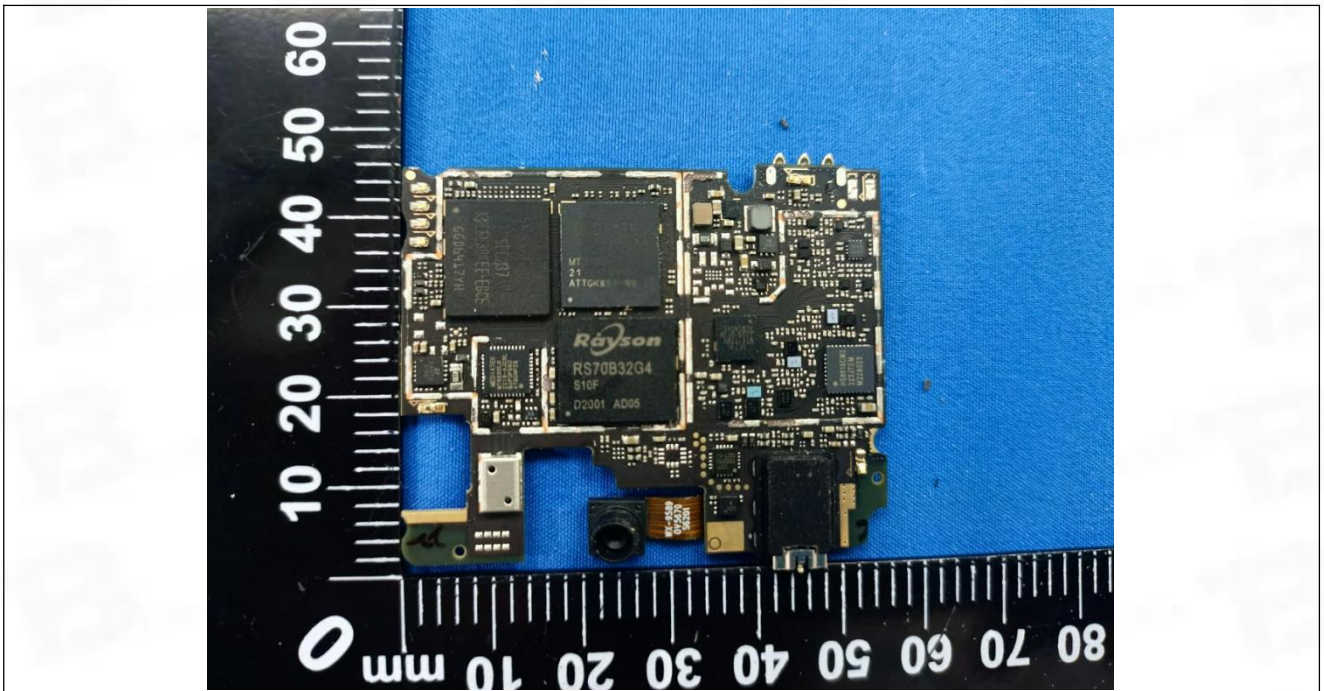
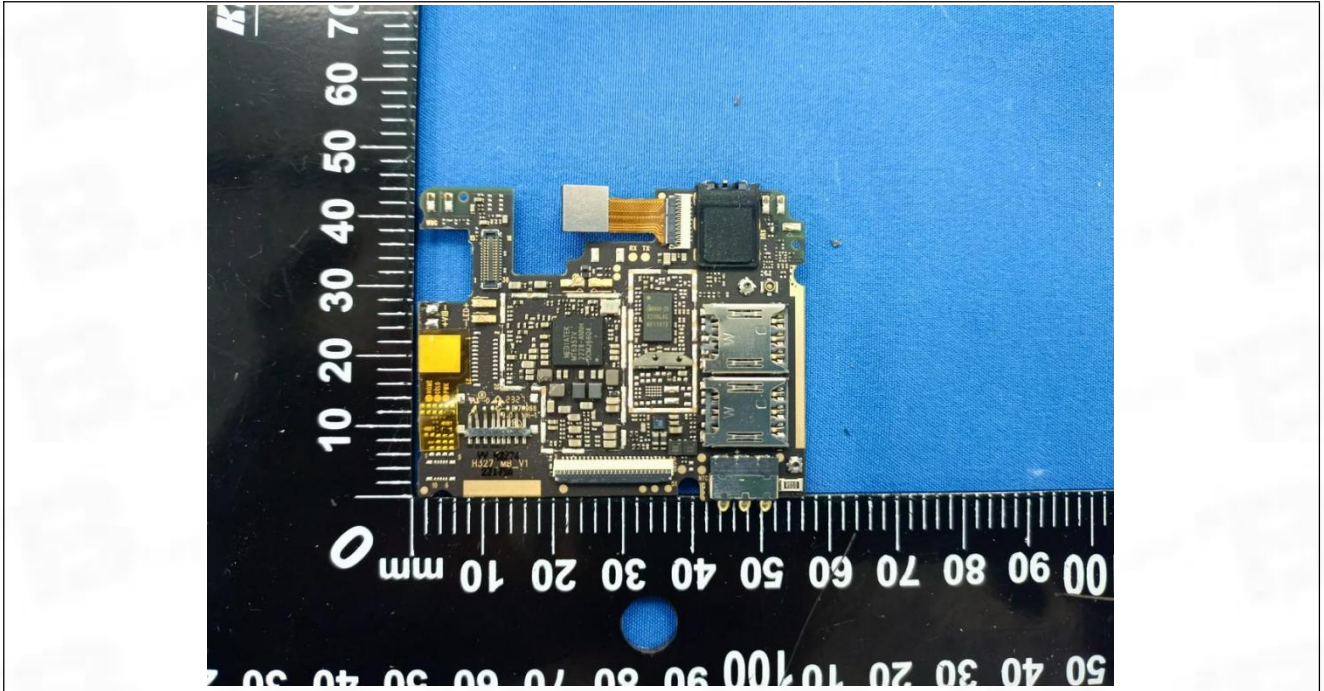


Internal











Test Report Number: BTF230921E00201



BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street,
Bao'an District, Shenzhen, China

www.btf-lab.com

-- END OF REPORT --