



# FCC SDoC Test Report

For

**Applicant Name:** SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD  
A2 2F BUILDNG ENET NEW INDUSTRIAL PARK, DAFU  
**Address:** INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX  
China  
**EUT Name:** Smart Phone  
**Brand Name:** OUKITEL  
**Model Number:** C57  
**Series model number** C57 S,C57 Pro,C57 Plus,C57 Ultra

**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:** BTF240729E00201  
**Test Standards:** 47 CFR Part 15, Subpart B

**Test Conclusion:** Pass  
**FCC ID:** 2ANMU-C57  
**Test Date:** 2024-07-30 to 2024-08-22  
**Date of Issue:** 2024-08-22

**Test By:** Xing Chen  
Xing.Chen/ Tester

**Prepared By:** Ace Xie  
Ace Xie / Project Engineer

**Date:** 2024-08-22

**Approved By:** Ryan.CJ  
Ryan.CJ / EMC Manager  
**Date:** 2024-08-22



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Test Report Number: BTF240729E00201

Revision History		
Version	Issue Date	Revisions Content
R_V0	2024-08-22	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 BUILDNG 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 BUILDNG 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 BUILDNG ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX China

### 2.4 General Description of Equipment under Test (EUT)

EUT Name:	Smart Phone
Test Model Number:	C57
Series model name	C57 S,C57 Pro,C57 Plus,C57 Ultra
Description of model name differentiation	Only the model name is different, the others are the same.

### 2.5 Technical Information

Power Supply:	DC 5V from adaptor or DC 4.4V from battery
Power Adaptor:	Model:ZFX021 Input:100-240V, 50/60Hz 0.2A Output:DC5.0V 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)	$\pm 2.64\text{dB}$
Radiated Emissions (30M - 1GHz)	$\pm 4.12\text{dB}$
Radiated Emissions (above 1GHz)	1-6GHz: $\pm 3.94\text{dB}$ 6-18GHz: $\pm 4.16\text{dB}$

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	/	/
Coaxial Switcher	SCHWARZBECK	CX210	CX210	/	/
V-LISN	SCHWARZBECK	NSLK 8127	01073	2023-11-16	2024-11-15
LISN	AFJ	LS16/110VAC	16010020076	2023-11-16	2024-11-15
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	/	/
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 Preamplifier	SCHWARZBECK	BBV9718D	00008	2023-11-15	2024-11-14
Horn Antenna	SCHWARZBECK	BBHA9120D	2597	2023-11-15	2024-11-14
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+working Mode	



## 5 Emission Test Results (EMI)

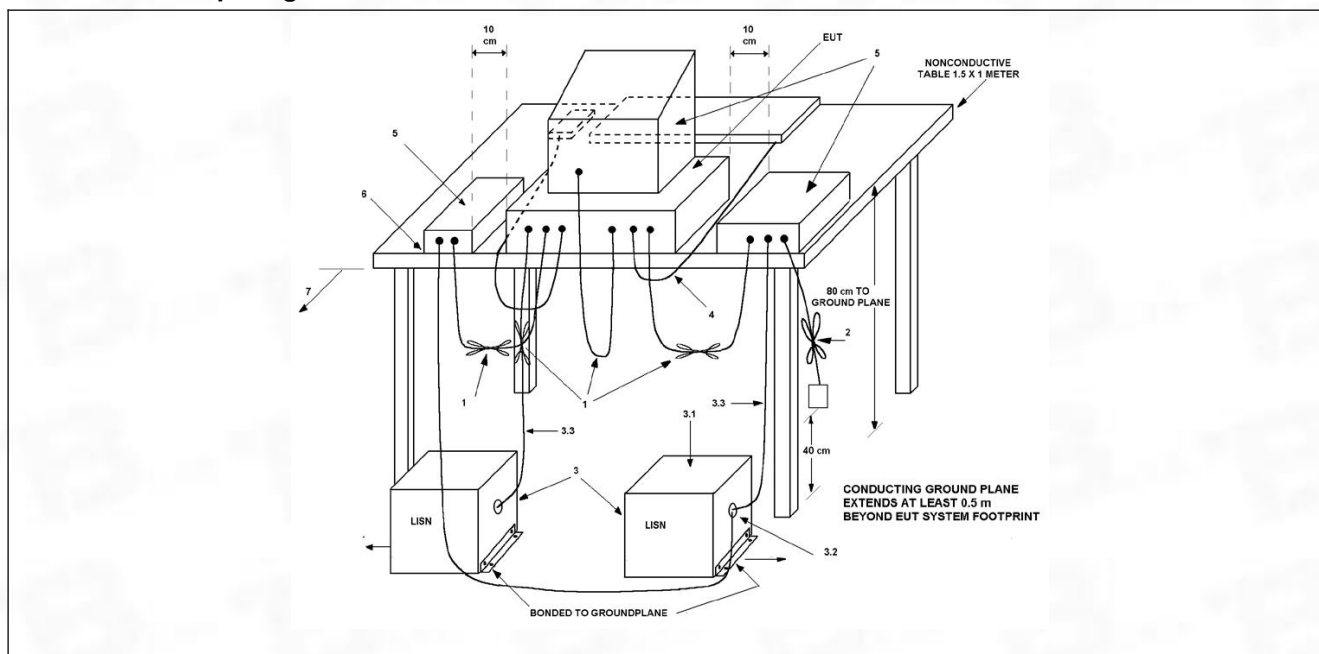
### 5.1 Conducted emissions on AC mains

Test Requirement:	15.107, Class B		
Test Method:	ANSI C63.4-2014		
Test Limit:	Frequency of emission (MHz)	Conducted limit (dB $\mu$ V)	
		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:

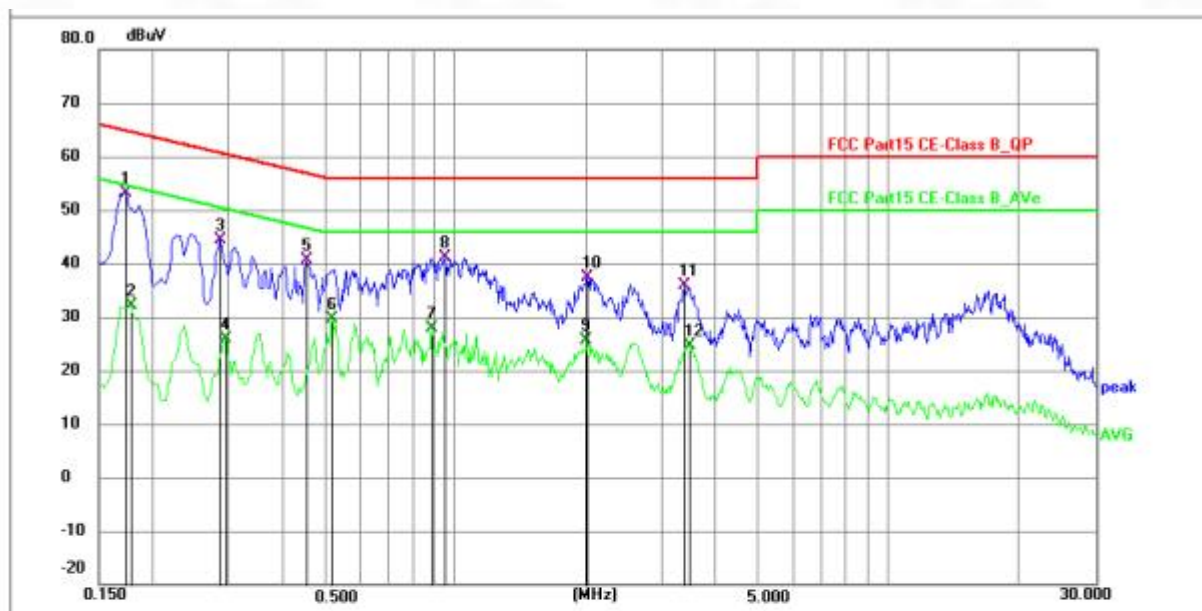
Operating Environment:	
Temperature:	24.7 °C
Humidity:	52 %
Atmospheric Pressure:	1010 mbar

#### 5.1.2 Test Setup Diagram:



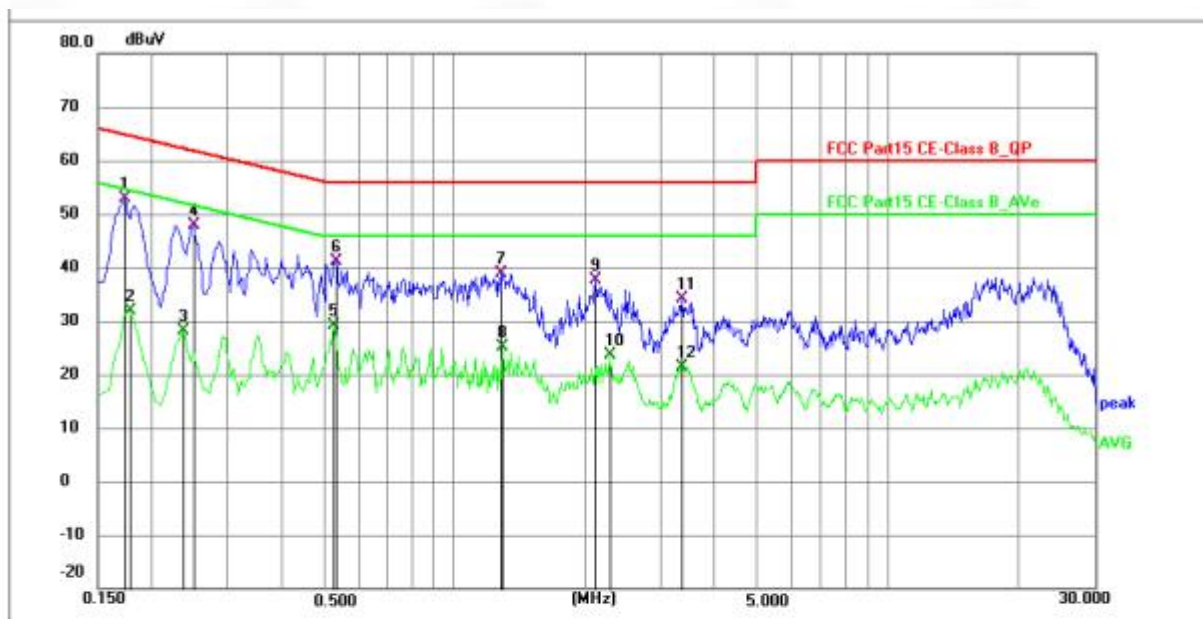
### 5.1.3 Test Data:

TM1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1724	42.52	10.49	53.01	64.84	-11.83	QP	P	
2	0.1770	21.52	10.51	32.03	54.63	-22.60	AVG	P	
3	0.2850	33.94	10.56	44.50	60.67	-16.17	QP	P	
4	0.2940	15.36	10.56	25.92	50.41	-24.49	AVG	P	
5	0.4515	30.05	10.57	40.62	56.85	-16.23	QP	P	
6	0.5190	18.99	10.59	29.58	46.00	-16.42	AVG	P	
7	0.8834	17.26	10.68	27.94	46.00	-18.06	AVG	P	
8	0.9465	30.40	10.67	41.07	56.00	-14.93	QP	P	
9	2.0040	15.05	10.68	25.73	46.00	-20.27	AVG	P	
10	2.0220	26.65	10.68	37.33	56.00	-18.67	QP	P	
11	3.3720	25.18	10.64	35.82	56.00	-20.18	QP	P	
12	3.4620	14.09	10.63	24.72	46.00	-21.28	AVG	P	

TM1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1724	42.28	10.49	52.77	64.84	-12.07	QP	P	
2	0.1770	21.42	10.51	31.93	54.63	-22.70	AVG	P	
3	0.2354	17.54	10.56	28.10	52.26	-24.16	AVG	P	
4	0.2490	37.39	10.56	47.95	61.79	-13.84	QP	P	
5	0.5234	18.57	10.59	29.16	46.00	-16.84	AVG	P	
6	0.5324	30.61	10.60	41.21	56.00	-14.79	QP	P	
7	1.2884	28.24	10.66	38.90	56.00	-17.10	QP	P	
8	1.2930	14.35	10.66	25.01	46.00	-20.99	AVG	P	
9	2.1120	26.83	10.68	37.51	56.00	-18.49	QP	P	
10	2.2964	13.00	10.67	23.67	46.00	-22.33	AVG	P	
11	3.3540	23.42	10.64	34.06	56.00	-21.94	QP	P	
12	3.3540	10.85	10.64	21.49	46.00	-24.51	AVG	P	

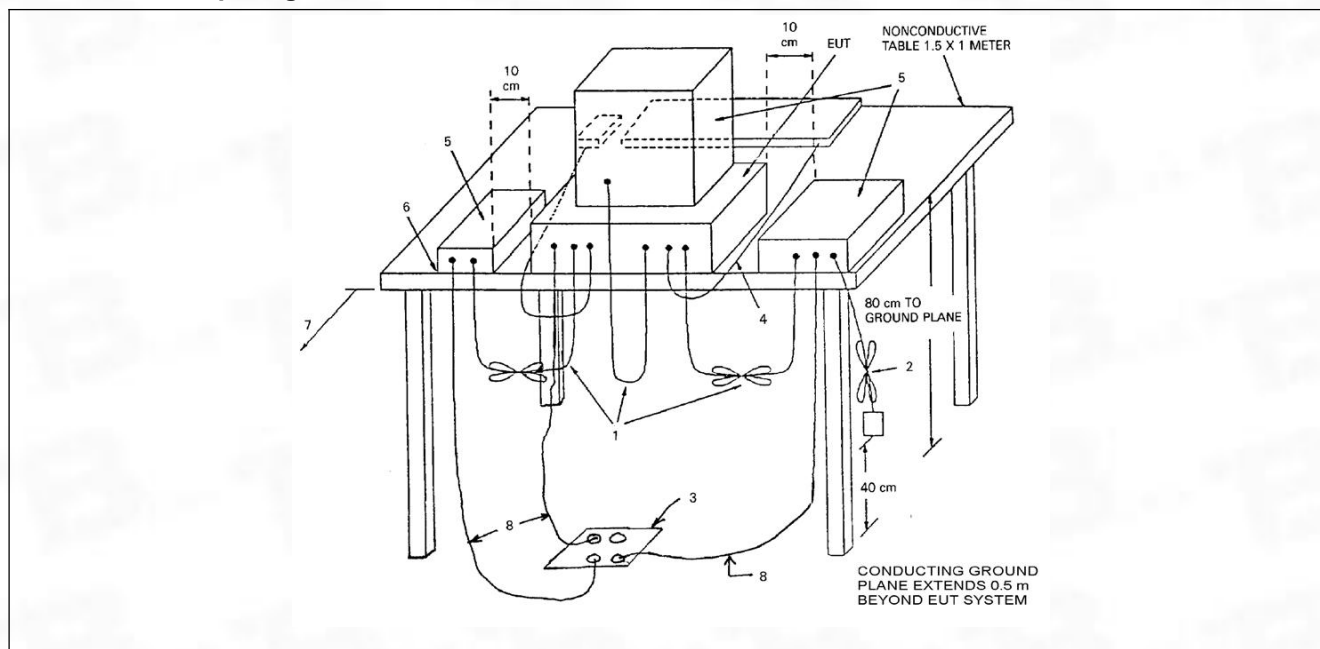
## 5.2 Radiated emissions (Below 1GHz)

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:

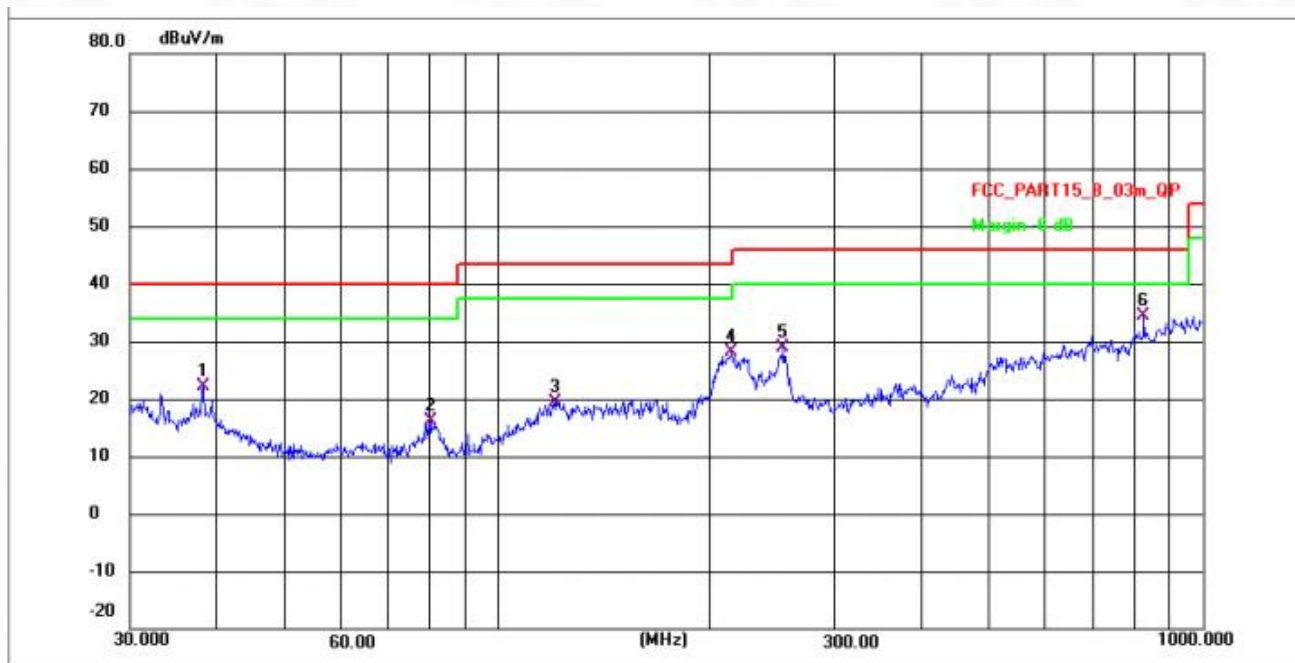
Operating Environment:	
Temperature:	24.6 °C
Humidity:	52 %
Atmospheric Pressure:	1010 mbar

### 5.2.2 Test Setup Diagram:



### 5.2.3 Test Data:

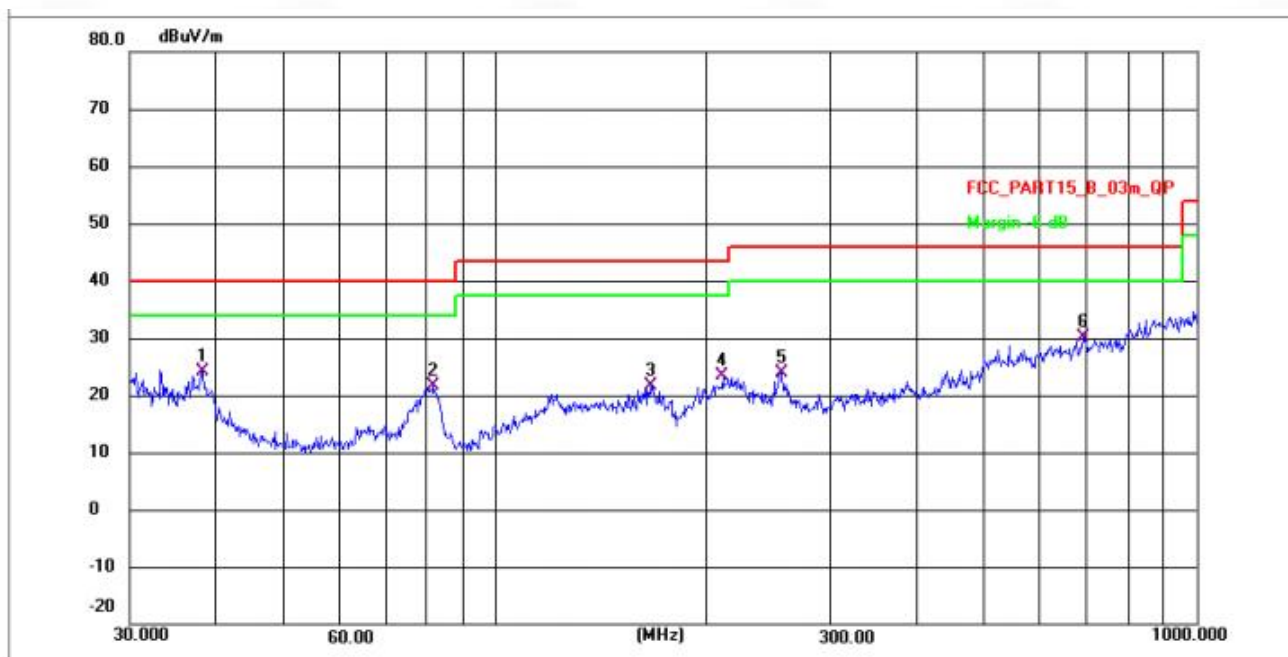
TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	38.1451	31.87	-9.64	22.23	40.00	-17.77	QP	P
2	80.2211	25.44	-9.27	16.17	40.00	-23.83	QP	P
3	120.9109	41.73	-22.27	19.46	43.50	-24.04	QP	P
4	215.2678	49.42	-21.38	28.04	43.50	-15.46	QP	P
5	254.2821	49.88	-21.02	28.86	46.00	-17.14	QP	P
6 *	827.4934	51.82	-17.41	34.41	46.00	-11.59	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 *	38.2120	33.83	-9.64	24.19	40.00	-15.81	QP	P
2	81.2117	30.83	-9.27	21.56	40.00	-18.44	QP	P
3	166.0680	43.61	-21.86	21.75	43.50	-21.75	QP	P
4	211.1559	44.69	-21.42	23.27	43.50	-20.23	QP	P
5	255.6231	44.94	-21.00	23.94	46.00	-22.06	QP	P
6	690.7745	47.79	-17.68	30.11	46.00	-15.89	QP	P

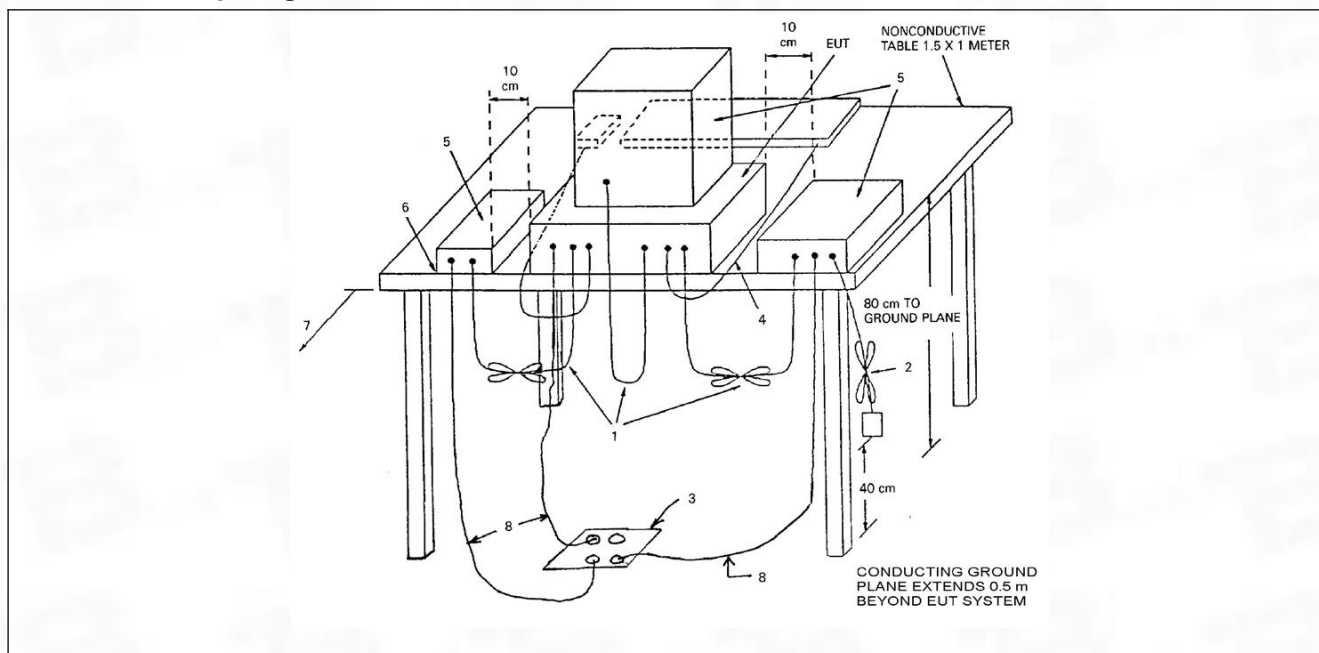
### 5.3 Radiated emissions (Above 1GHz)

Test Requirement:	15.109, Class B		
Test Method:	ANSI C63.4-2014		
Test Limit:	Frequency of emission (MHz)	Field strength @3m	
		Average (uV/m)	Average(dBuV/m)
	Above 1GHz	500	54
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:

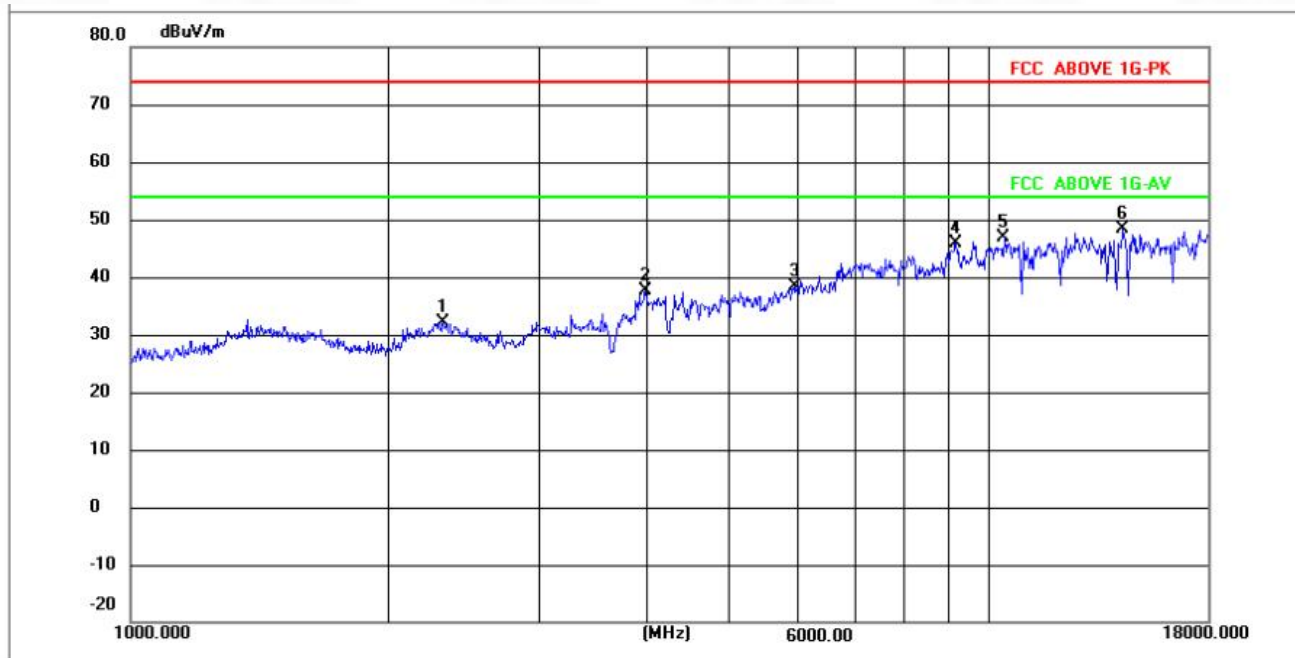
Operating Environment:	
Temperature:	24.7 °C
Humidity:	52 %
Atmospheric Pressure:	1010 mbar

#### 5.3.2 Test Setup Diagram:



### 5.3.3 Test Data:

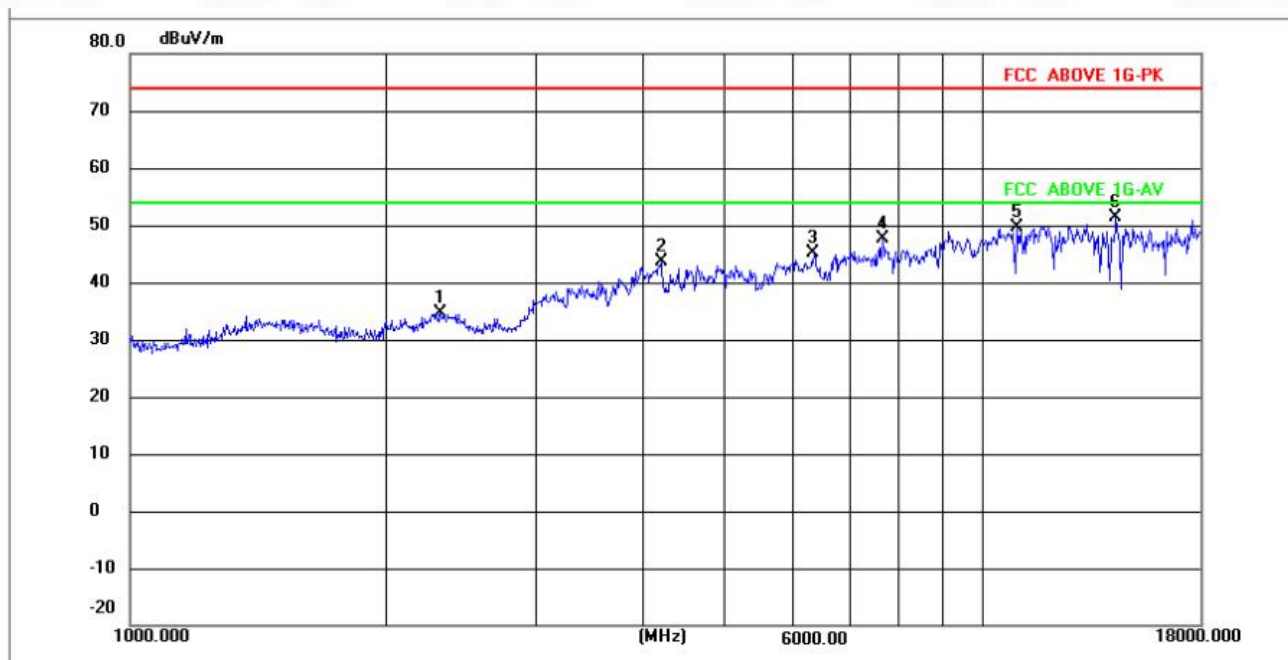
TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2312.888	81.78	-49.61	32.17	74.00	-41.83	peak	P
2	3990.474	87.11	-49.40	37.71	74.00	-36.29	peak	P
3	5965.308	86.65	-48.34	38.31	74.00	-35.69	peak	P
4	9165.716	91.71	-45.73	45.98	74.00	-28.02	peak	P
5	10438.873	92.00	-45.16	46.84	74.00	-27.16	peak	P
6 *	14329.515	92.16	-43.81	48.35	74.00	-25.65	peak	P



TM1 / Polarization: Vertical



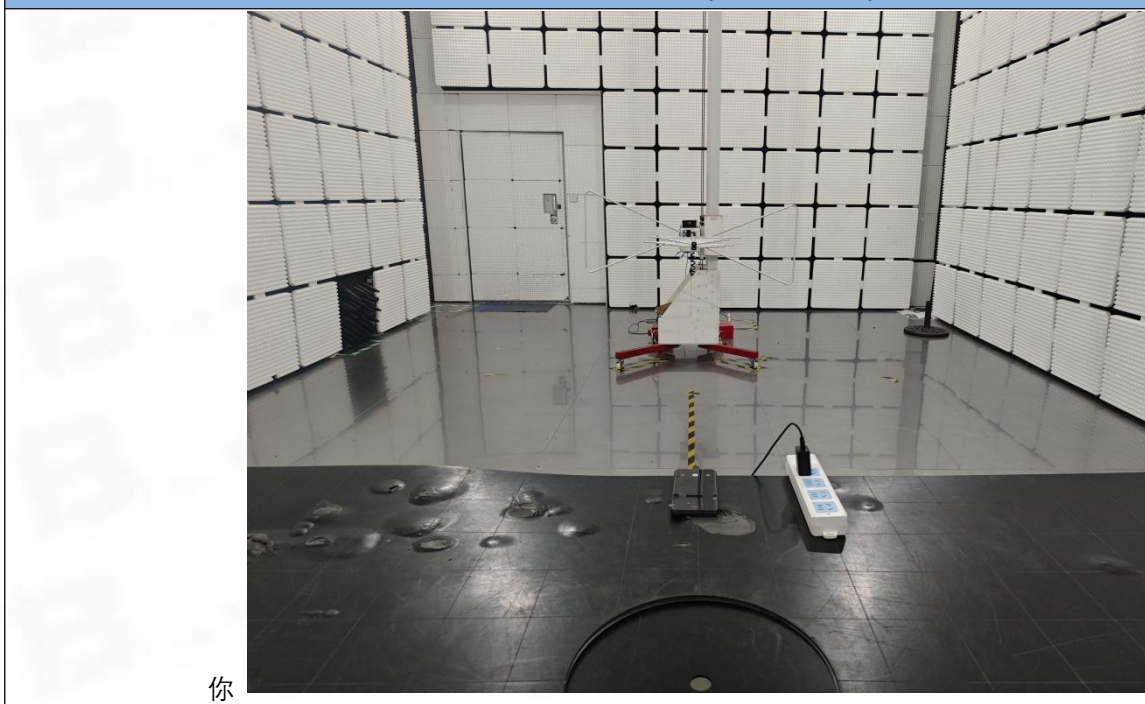
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2312.888	84.28	-49.61	34.67	74.00	-39.33	peak	P
2	4193.872	92.80	-49.28	43.52	74.00	-30.48	peak	P
3	6351.441	93.15	-47.96	45.19	74.00	-28.81	peak	P
4	7648.677	94.02	-46.49	47.53	74.00	-26.47	peak	P
5	10980.469	94.34	-44.82	49.52	74.00	-24.48	peak	P
6 *	14329.515	95.16	-43.81	51.35	74.00	-22.65	peak	P

## 6 Test Setup Photos

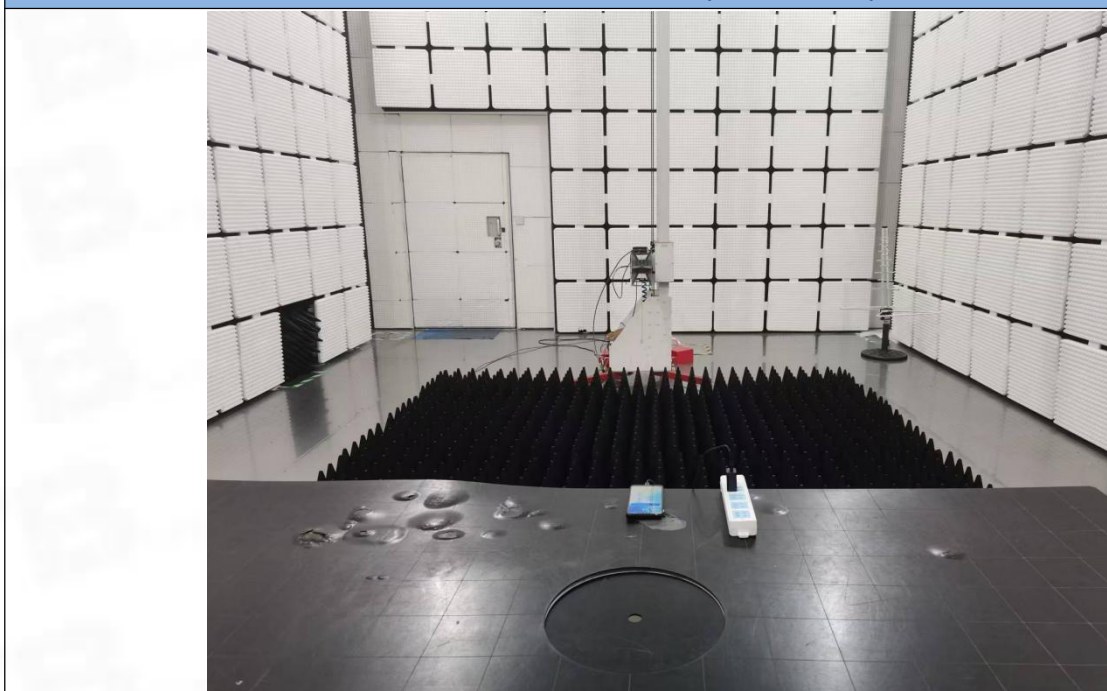
Conducted emissions on AC mains



Radiated emissions (Below 1GHz)



你

**Radiated emissions (Above 1GHz)**



## 7 EUT Constructional Details (EUT Photos)

External

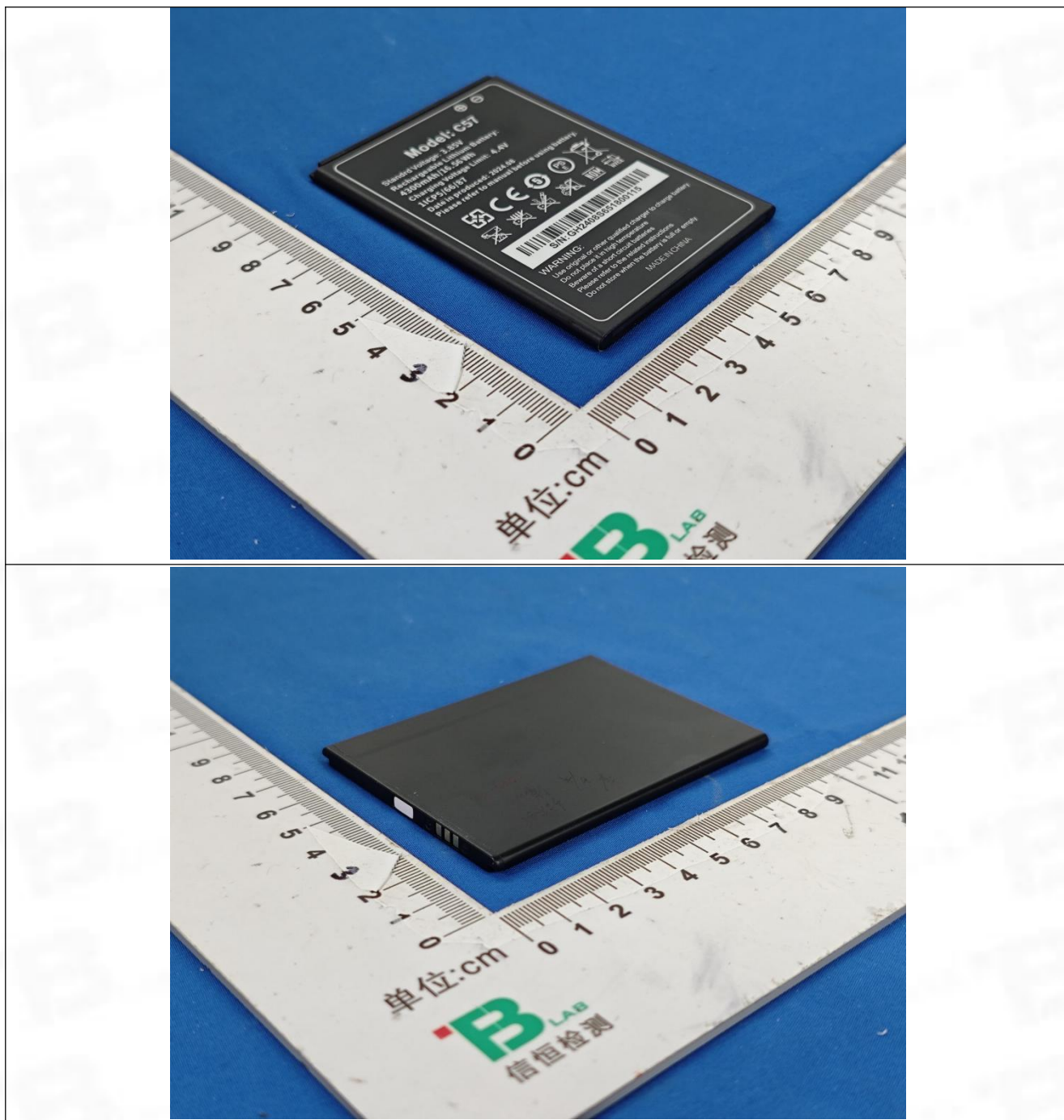






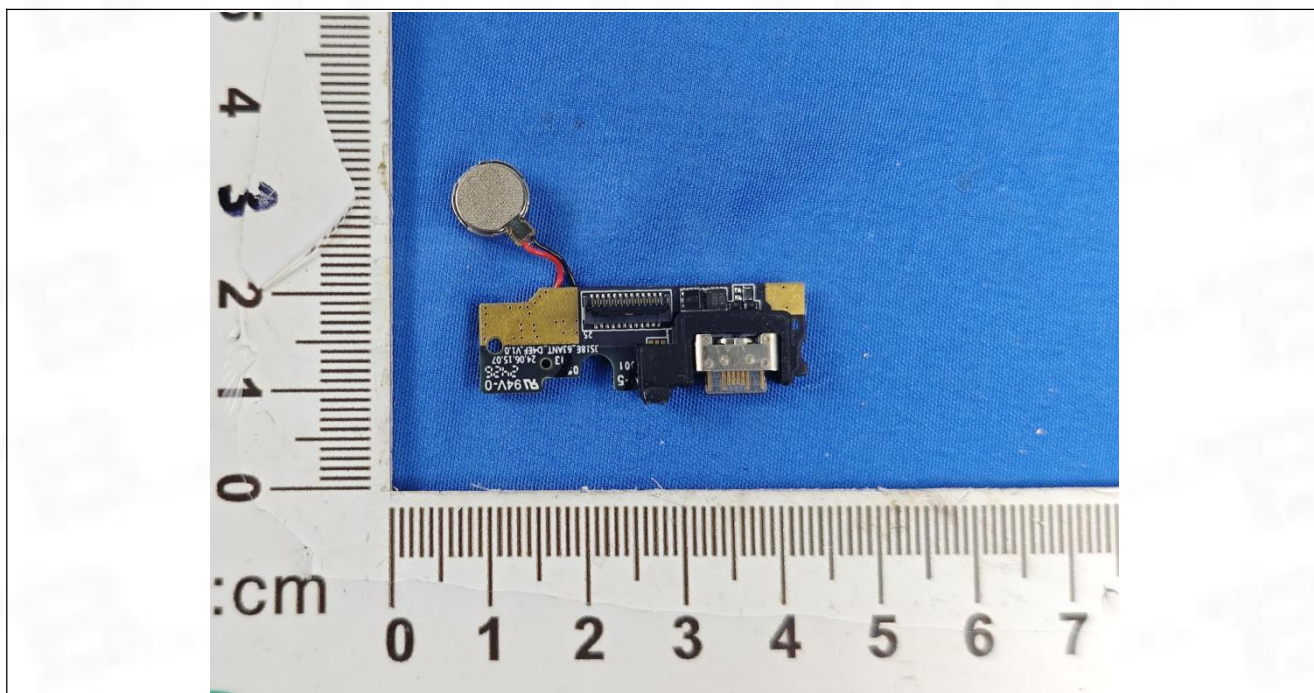
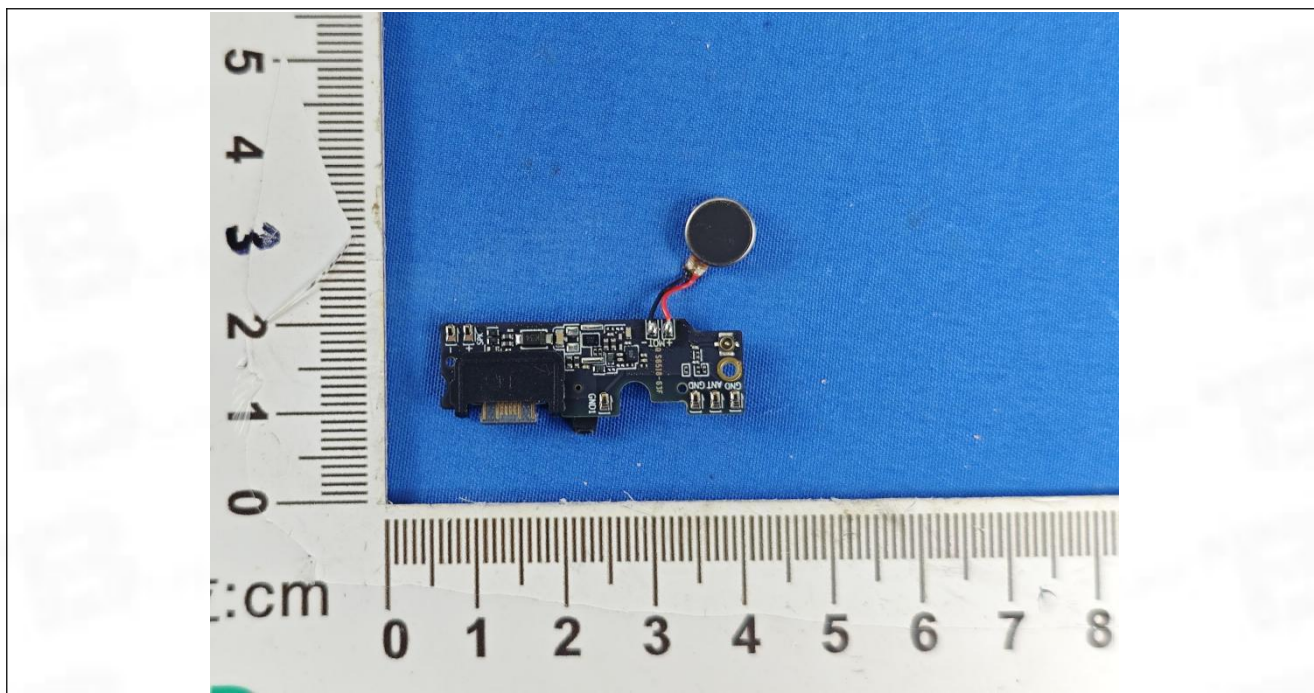
Internal

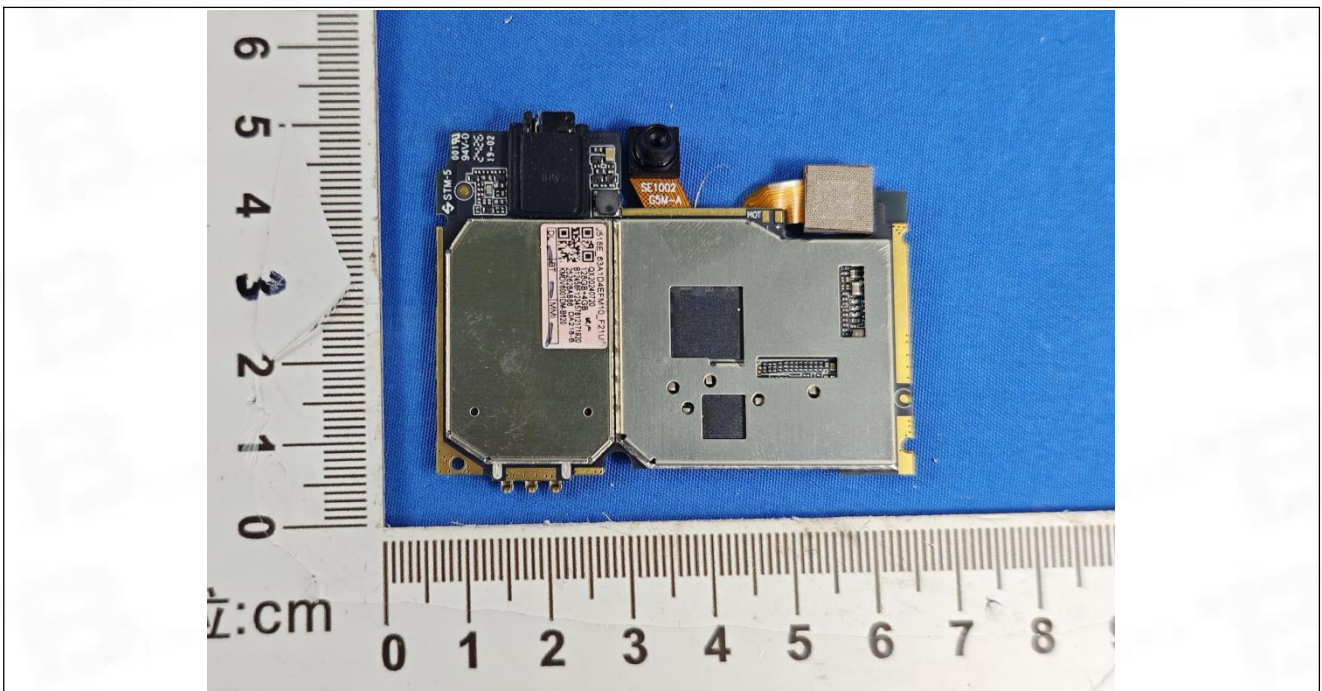
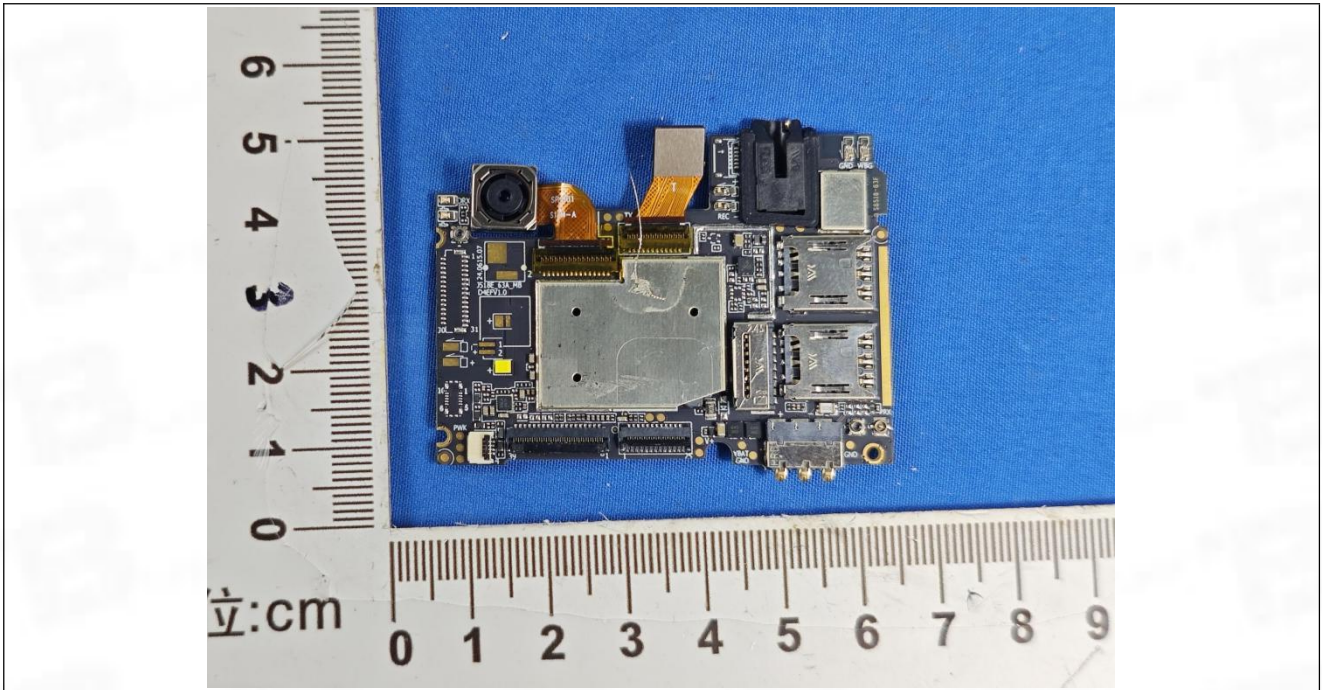




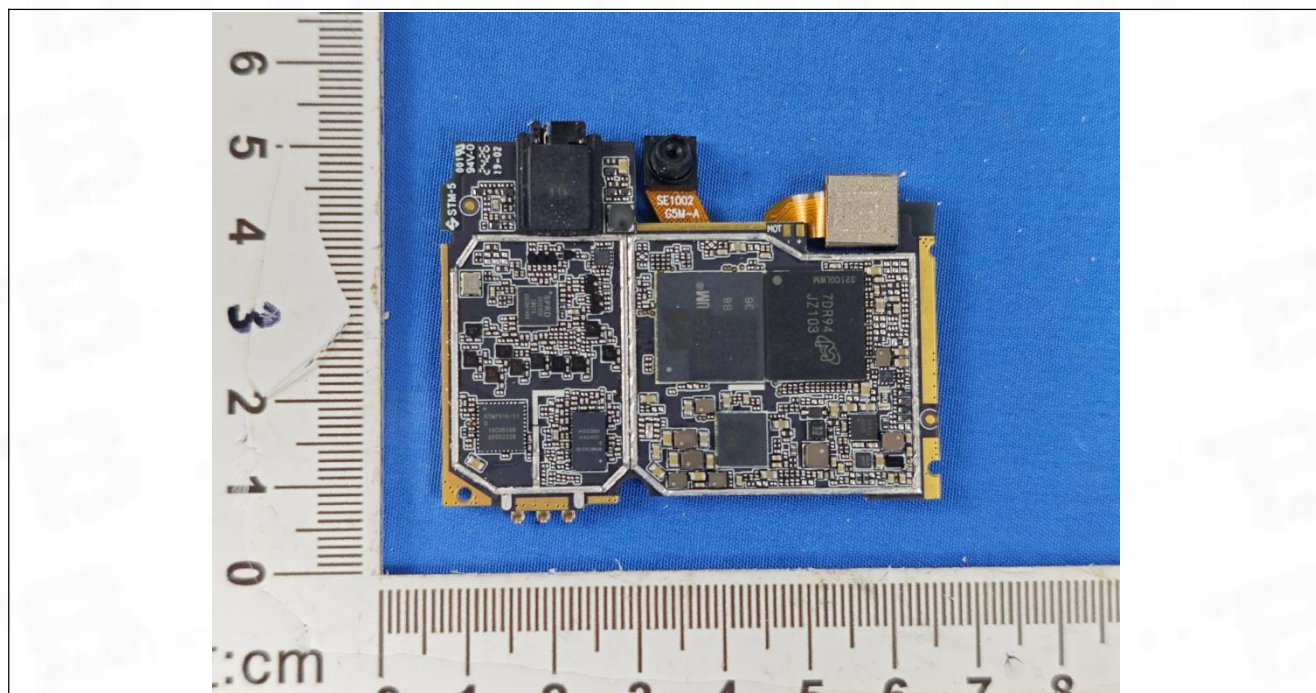
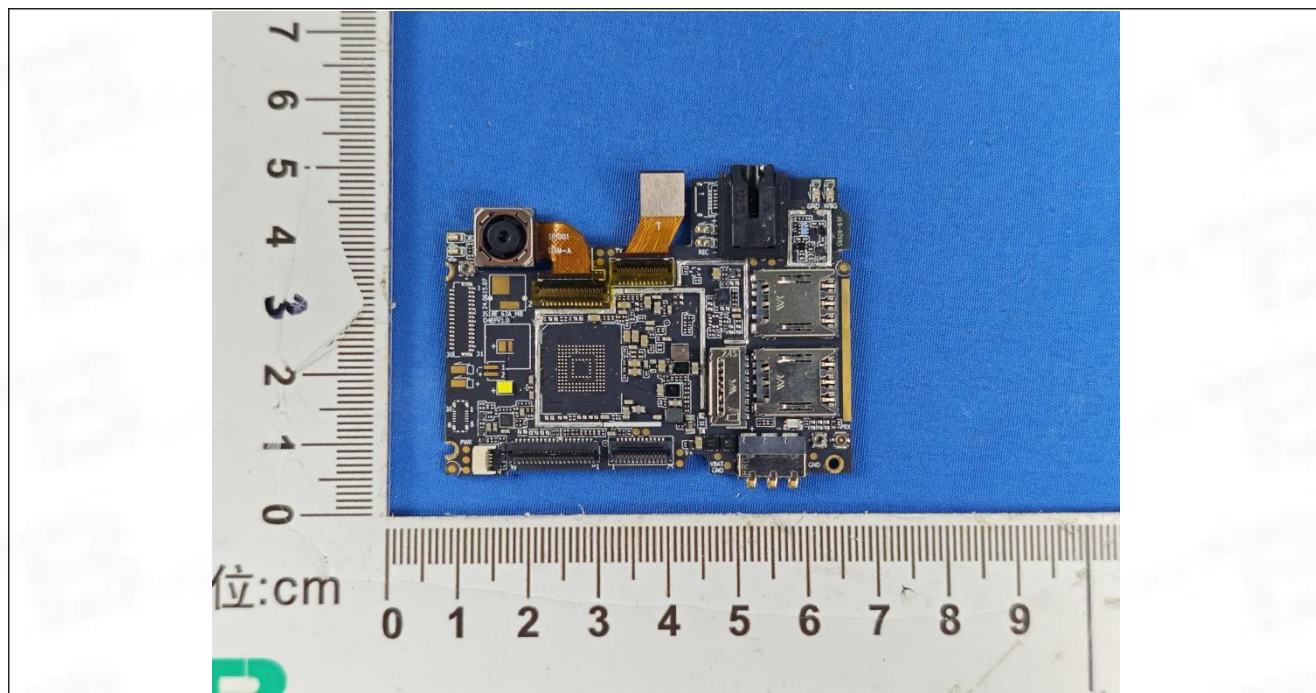














Test Report Number: BTF240729E00201



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[www.btf-lab.com](http://www.btf-lab.com)

**-- END OF REPORT --**