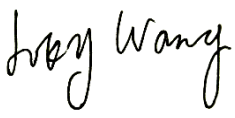
Product Name: Smart Phone	**Report No: ITEZA2-202400458RF7**
Product Model: Note 58, Note58 Pro, Note58 Pro+, Note 59, Note59 Pro, Note59 Pro+, Note58 Plus	**Security Classification: Open**
Version: V1.0	**Total Page: 48**

TIRT Testing Report

Prepared By:	**Checked By:**	**Approved By:**	
Aaron Long	Stone Tang	Joky Wang	
			

RF TEST REPORT

FCC ID: 2AX4YNOTE58

According to

FCC CFR Title 47 Part 2
FCC CFR Title 47 Part 22 Subpart H
FCC CFR Title 47 Part 24 Subpart E
FCC CFR Title 47 Part 27 Subpart C
FCC CFR Title 47 Part 90 Subpart S
ANSI C63.26:2015
KDB 971168 D01 Power Meas License Digital Systems v03r01

Applicant:	Shenzhen DOOGEE Hengtong Technology CO.,LTD
Address:	B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No. 22, Longhua New District, Shenzhen, China
Manufacturer:	Shenzhen DOOGEE Hengtong Technology CO.,LTD
Address:	B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No. 22, Longhua New District, Shenzhen, China
Sample No:	1000052955
Product Name:	Smart Phone
Brand Name:	DOOGEE
Model No.:	Note 58, Note58 Pro, Note58 Pro+, Note 59, Note59 Pro, Note59 Pro+, Note58 Plus
Test No.:	Note 58

Date of Receipt:	2024/11/21
Date of Test:	2024/11/21~2024/12/30
Issued Date:	2025/01/02
Testing Lab:	TIRT

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History of this test report

Original Report Issue Date: 2025.01.02

● No additional attachment

○ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1 TEST SUMMARY

Test Item	Section in CFR 47	Result
RF Exposure (SAR)	Part 1.1307 Part 2.1093	Pass*(Please refer to SAR Report)
RF Output Power	Part 2.1046 Part 22.913(a) Part 24.232(b) Part 27.50(b) Part 27.50(c) Part 27.50(d) Part 27.50(h) Part 90.635	Pass
Peak-To-Average Ratio	Part 2.1046 Part 22.913(d) Part 24.232 (d) Part 27.50(d)	Pass
Modulation Characteristics	Part 2.1047	N/A
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 22.917 Part 24.238 Part 27.53(a)	Pass
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 22.917 Part 24.238 Part 27.53(c)(f) Part 27.53(g) Part 27.53(h) Part 27.53(m) Part 90.691	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 Part 24.238 Part 27.53(c)(f) Part 27.53(g) Part 27.53(h) Part 27.53(m) Part 90.691	Pass

Out of band emission, Band Edge	Part 2.1051 Part 22.917 Part 24.238 Part 27.53(c)(f) Part 27.53(g) Part 27.53(h) Part 27.53(m) Part 90.691	Pass
Frequency stability vs. temperature	Part 2.1055(a)(1)(b) Part 22.355 Part 24.235 Part 27.54 Part 90.213	Pass
Frequency stability vs. voltage	Part 2.1055(d)(1)(2) Part 22.355 Part 24.235 Part 27.54 Part 90.213	Pass

Note: 1. Pass: The EUT complies with the essential requirements in the standard.

2. The conclusion of this test report is judged by actual test data without considering measurement uncertainty.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Description of Device (EUT)

EUT Name	:	Smart Phone
Model No.	:	Note 58, Note58 Pro, Note58 Pro+, Note 59, Note59 Pro, Note59 Pro+, Note58 Plus
DIFF.	:	There is no difference except the name of the model. All tests are made with the Note 58 model.
Power supply	:	DC 3.91V from battery or DC 5V AC Power Adapter
Support Bands	:	LTE Band 2/4/5/7/38//41/66
Channel Bandwidth	:	LTE Band 2: 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 4: 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz LTE Band 5: 1.4MHz, 3MHz, 5MHz, 10MHz LTE Band 7: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 38: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 41: 5MHz, 10MHz, 15MHz, 20MHz LTE Band 66: 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
TX Frequency	:	LTE Band 2: 1850 ~ 1910 MHz LTE Band 4: 1710 ~ 1755 MHz LTE Band 5: 824 ~ 849 MHz LTE Band 7: 2500 ~2570 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2535MHz ~ 2655MHz LTE Band 66: 1710 MHz ~ 1780 MHz
Modulation type	:	QPSK, 16QAM
Antenna Type	:	PIFA antenna, LTE Band 2: Maximum Gain is -0.16dBi. LTE Band 4: Maximum Gain is -1.09dBi. LTE Band 5: Maximum Gain is -4.39dBi. LTE Band 7: Maximum Gain is 2.65Bi. LTE Band 38: Maximum Gain is 1.76dBi. LTE Band 41: Maximum Gain is 2.65dBi. LTE Band 66: Maximum Gain is -0.55dBi. Antenna information is provided by applicant. There is WWAN diversity antenna inside the product, which is only for receiving function.
Software version	:	DOOGEE-N58-EEA-Android14.0-20241106
Hardware version	:	SC6023U_MB_V1.0.0

Remark 1: The worst-case simultaneous transmission configuration was evaluated with no non-compliance found. Results in this report are only for 4G function, and there is no other transmitter involved.

2: The LTE Band41 upports frequency is 2535-2655MHz,Due to actual customer needs Using software, the prototype can only operate at 2535-2655 MHZ, other frequencies have been blocked

2.2 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is filing to comply with Section Part 22 subpart H and Part 24 subpart E of the FCC CFR 47 Rules.

2.3 TEST FACILITY

Company:	Beijing TIRT Technology Service Co.,Ltd Shenzhen
Address:	104 Building C, Xinmingsheng Industrial Park No.132, Zhangge Old Village East Zone, Zhangge Community, Fucheng Street, Longhua District, Shenzhen, Guangdong, P. R. China
CNAS Registration Number:	CNAS L14158
A2LA Registration Number:	6049.01
FCC Accredited Lab.Designation Number:	CN1366
FCC Test Firm Registration Number:	820690
Telephone:	+86-0755-27087573

2.4 ACCESSORIES OF DEVICE (EUT)

Accessories : AC Power Adapter

Manufacturer : Shenzhen Huajin Electronics Co.,Ltd

Model : HJ-0502000-US

Ratings : Input: 100-240V~ 50/60Hz 0.3A

Output: 5.0V⎓2.0A 10.0W

2.5 TESTED SUPPORTING SYSTEM DETAILS

No.	Description	Manufacturer	Model	Serial Number	Certification or SDoC
1	N/A	N/A	N/A	N/A	N/A

2.6 TEST CONDITIONS

Items	Required	Actual
Temperature range:	15-35℃	24℃
Humidity range:	25-75%	56%
Pressure range:	86-106kPa	98kPa

2.7 MEASUREMENT UNCERTAINTY

Uncertainty	
Parameter	Uncertainty
Occupied Channel Bandwidth	±142.12 KHz
RF power conducted	±0.74 dB
RF power radiated	±3.25dB
Spurious emissions, conducted	±1.78dB
Spurious emissions, radiated (9KHz~30MHz)	±2.56dB
Spurious emissions, radiated (30MHz～1GHz)	±4.6dB
Spurious emissions, radiated (Above 1GHz)	±4.9dB
Conduction Emissions(150kHz~30MHz)	±3.1 dB
Humidity	±4.6%
Temperature	±0.7°C
Time	±1.25%

3 TEST INSTRUMENTS LIST

Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI Receiver	Rohde&Schwarz	ESIB 40	YH-TIRT-SAC-966-20220911	2024/01/05	2025/01/04
Integral Antenna	Schwarzbeck	VULB 9163	01314	2023/12/11	2025/12/10
Integral Antenna	Rohde&Schwarz	HF907	RSM2991424	2023/12/11	2025/12/10
Preamplifier	Emtrace	RP01A	'02017	2024/01/05	2025/01/04
Preamplifier	Schwarzbeck	BBV9744	00143	2024/01/05	2025/01/04
Loop Antenna	ZHINAN	ZN30900A	12024	2024/01/05	2025/01/04
Exposure Level Tester	narda	ELT-400	N-0925	2024/01/05	2025/01/04
Horn Antenna	Schwarzbeck	BBHA9170	00956	2024/01/05	2025/01/04
RF Cable	/	LMR400UF-NMNM-7.0M	/	2024/01/05	2025/01/04
RF Cable	/	SFT2050PUR-NMNM-7.0M	/	2024/01/05	2025/01/04
EMI Receiver	Rohde&Schwarz	ESR7	1316.3003K07-102611-mk	2024/11/02	2025/11/01
LISN	Rohde&Schwarz	ENV216	3560.655.12-102915-Bp	2024/11/02	2025/11/01
ISN	Schwarzbeck	ENY81	1309.8510.03	2024/01/05	2025/01/04
ISN	Schwarzbeck	ENY81-CAT6	1309.8526.03-101976-kh	2024/01/05	2025/01/04
RF Cable	\	SFT2050PUR-NMNM-2.0M	\	2024/01/05	2025/01/04
CMW500	ROHDE&SCHWARZ	CMW500	120434	2024/01/05	2025/01/04
Spectrum analyzer	ROHDE&SCHWARZ	FSU26	200732	2024/01/05	2025/01/04
Spectrum analyzer	ROHDE&SCHWARZ	FSV40-N	101722	2024/01/05	2025/01/04
vector Signal Generator	KEYSIGHT	N5182B	MY56200458	2024/01/05	2025/01/04
vector Signal Generator	HEWLETT PACKARD	83752A	3610A02458	2024/01/05	2025/01/04
Filter	HEWLETT PACKARD	JS0806-F	19K8060209	2024/01/05	2025/01/04
Wireless comprehensive tester	ANRISTU	MT8821C	SN6262170409	2024/01/05	2025/01/04
Wireless comprehensive tester	ANRISTU	MT8000A	SN6262166782	2024/01/05	2025/01/04

ROB ANT	Hubei world for communication Co., LTD	SW-700/2700XP-4	/	/	/

4 SYSTEM TEST CONFIGURATION

4.1 TEST MODE

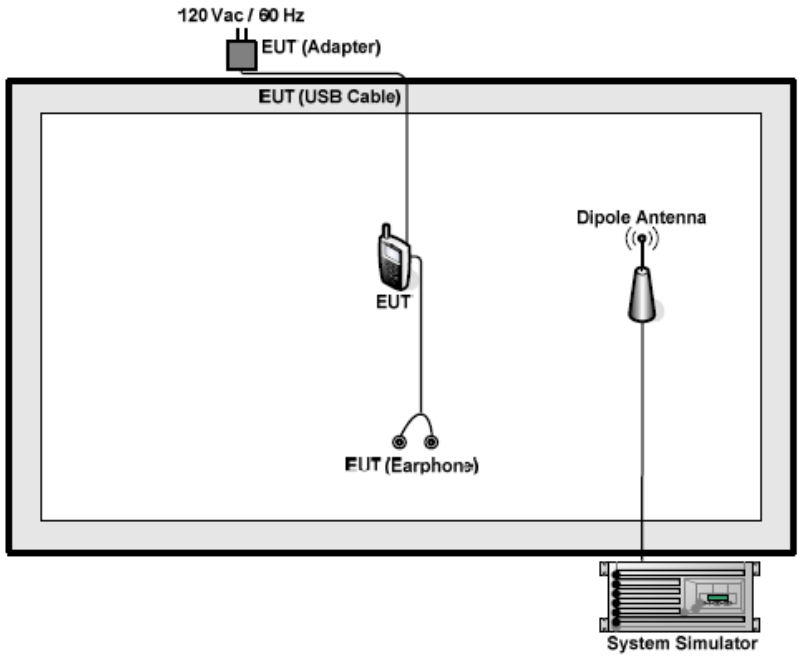
During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Test modes		
Band	Radiated	Conducted
LTE Band 2	■ QPSK link, 16QAM link	■ QPSK link, 16QAM link
LTE Band 4	■ QPSK link, 16QAM link	■ QPSK link, 16QAM link
LTE Band 5	■ QPSK link, 16QAM link	■ QPSK link, 16QAM link
LTE Band 7	■ QPSK link, 16QAM link	■ QPSK link, 16QAM link
LTE Band 38	■ QPSK link, 16QAM link	■ QPSK link, 16QAM link
LTE Band 41	■ QPSK link, 16QAM link	■ QPSK link, 16QAM link
LTE Band 66	■ QPSK link, 16QAM link	■ QPSK link, 16QAM link

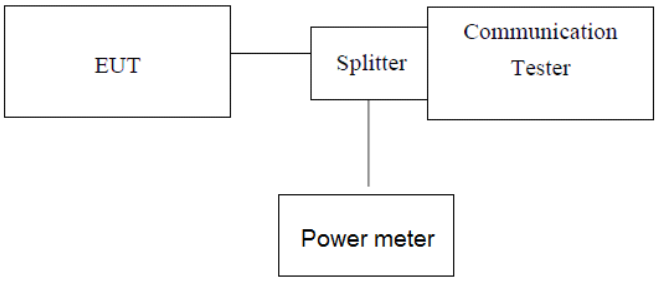
Note: Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas License Digital Systems v03r1 with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

4.2 CONFIGURATION OF TESTED SYSTEM

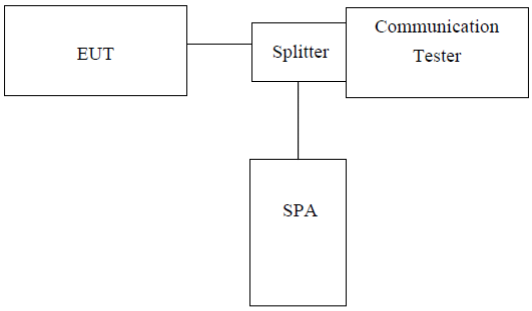


4.3 CONDUCTED OUTPUT POWER

Test Requirement:	Part 2.1046,Part 22.913(a), Part 24.232(c), Part 27.50(b), Part 27.50(c), Part 27.50(d), Part 27.50(h), Part 90.635
Test Method:	ANSI C63.26:2015
Limit:	LTE Band 2: 2W LTE Band 4: 1W LTE Band 5: 7W LTE Band 7: 2W LTE Band 38: 2W LTE Band 41: 2W LTE Band 66: 1W
Test setup:	 *Note: Measurement setup for testing on Antenna connector*
Test Procedure:	1. The transmitter output port was connected to base station. 2. The RF output of EUT was connected to the power meter by RF cable and attenuator, the path loss was compensated to the results for each measurement. 3. Set EUT at maximum power through base station. 4. Select lowest, middle, and highest channels for each band and different modulation. 5. Measure the maximum burst average power.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

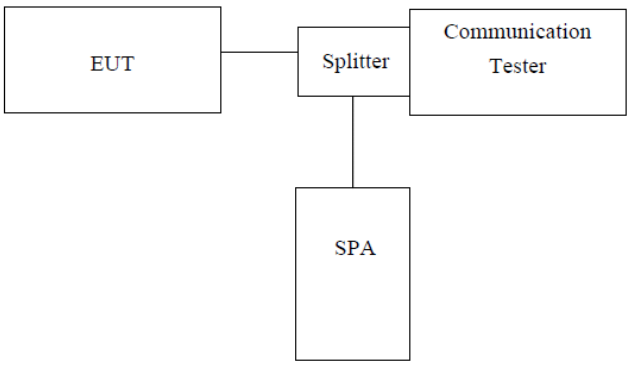
Note: Please refer to Appendix A of the Appendix Test Data.

4.4 PEAK-TO-AVERAGE RATIO

Test Requirement:	Part 22.913(d), FCC part24.232(d) and FCC part27.50(d)(5)
Test Method:	ANSI C63.26:2015
Test Limit:	Used complementary cumulative distribution function (CCDF) of analyzer to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time
Test setup:	 *Note: Measurement setup for testing on Antenna connector*
Test Procedure:	1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.7 2. The EUT was connected to spectrum and system simulator via a power divider 3. Using the CCDF measurement ofspectrum analyzer; 4. Set RBW≥OBW or specified reference bandwidth; 5. Set the number of counts to a value that stabilizes the measured CCDF curve; 6. Set the measurement interval as 1ms 7. Record the maximum PAPR level associated with a probability of 0.1%.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

Note: Please refer to Appendix B of the Appendix Test Data.

4.5 OCCUPY BANDWIDTH

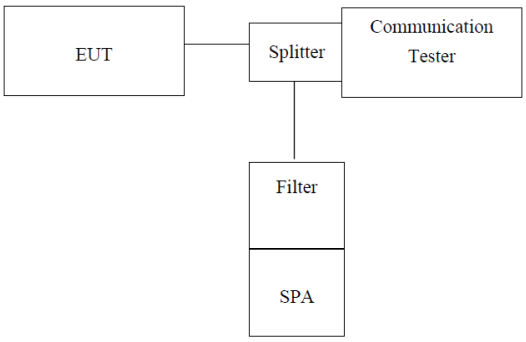
Test Requirement:	FCC part22.913(a), FCC part24.232(b) and FCC part27.53(a), FCC part 90.209
Test Method:	ANSI C63.26:2015
Test setup:	 *Note: Measurement setup for testing on Antenna connector*
Test Procedure:	1.The EUT's output RF connector was connected with a short cable to the spectrum analyzer, set center frequency to channel center frequency. 2.RBW was set to about 1%-5% of emission OBW, VBW≥ 3 X RBW. 3.Set spectrum analyzer detection mode to peak, and the trace mode to max hold. 4. Use the 99% OBW function, The 99% power OBW can be found on the plot, determine the "-26dB amplitude" as equal to reference value -26dB.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

Note: Please refer to Appendix C of the Appendix Test Data.

4.6 MODULATION CHARACTERISTIC

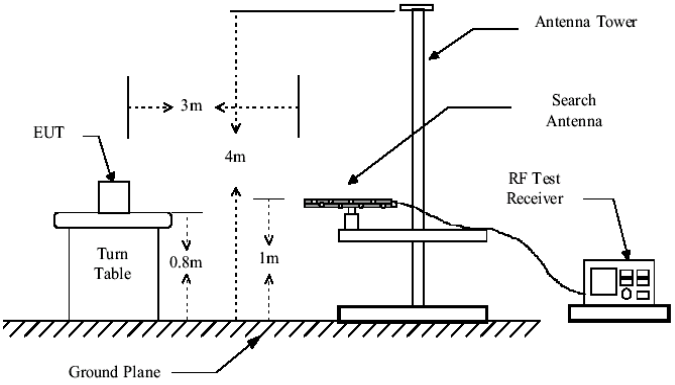
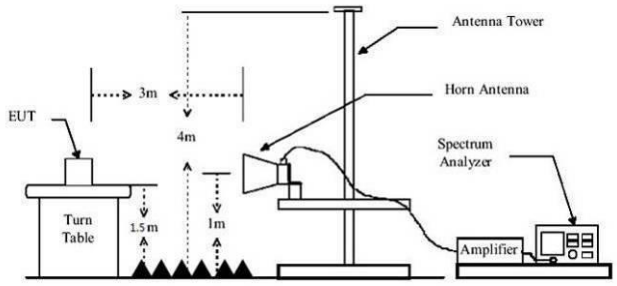
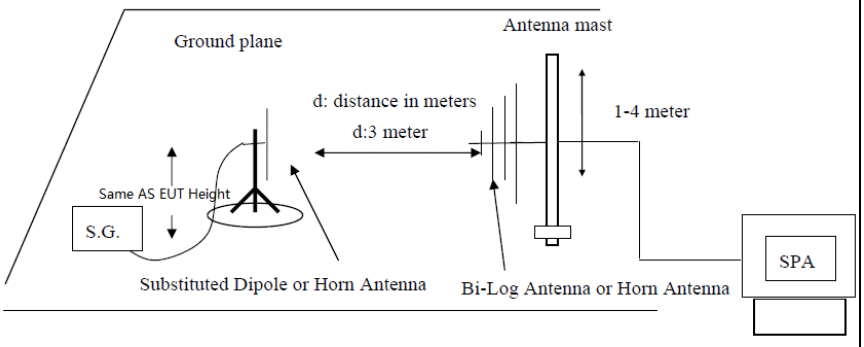
According to FCC § 2.1047(d), Part 24E & Part 27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

4.7 OUT OF BAND EMISSION AT ANTENNA TERMINALS

Test Requirement:	Part 2.1051 Part 22.917 Part 24.238 Part 27.53(c)(f) Part 27.53(g) Part 27.53(h) Part 27.53(m) Part 90.691
Test Method:	ANSI C63.26:2015
Limit:	≤ -13dBm(LTE Band5) ≤ -13dBm(LTE Band2) ≤ -13dBm(LTE Band4,66) ≤ -25dBm(LTE Band 7, 38, 41)
Test setup:	 ***Note:*** *Measurement setup for testing on Antenna connector*
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic. 3 For the out of band: Set the RBW=1MHz, VBW = 3MHz, Start=30MHz, Stop= 10th harmonic. 4 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

Note: Please refer to Appendix D of the Appendix Test Data.

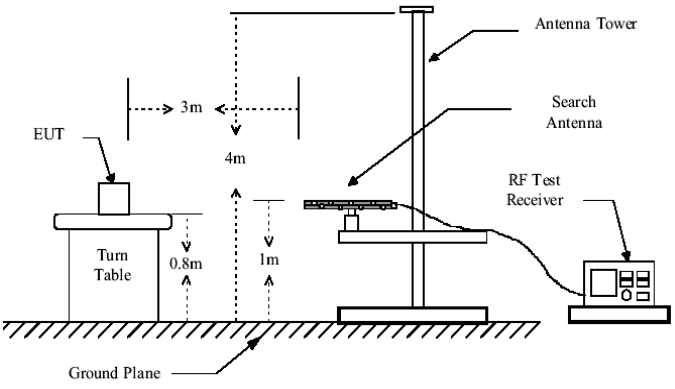
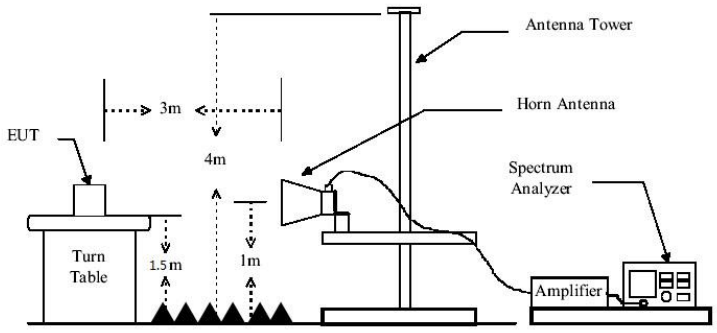
4.8 ERP, EIRP MEASUREMENT

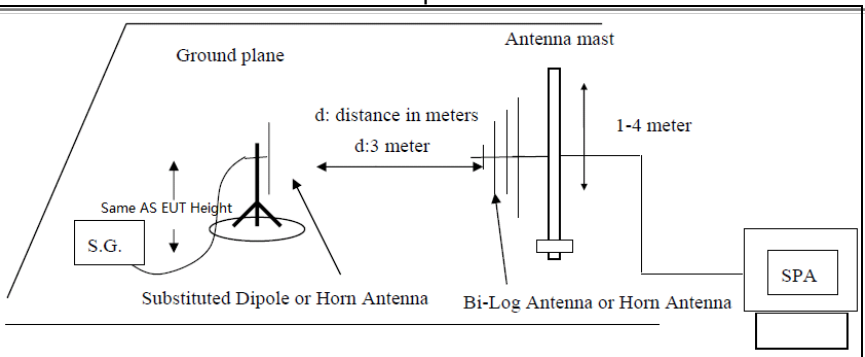
Test Requirement:	Part 2.1046,Part 22.913(a), Part 24.232(b), Part 27.50(b), Part 27.50(c), Part 27.50(d), Part 27.50(h), Part 90.635
Test Method:	ANSI C63.26:2015
Limit:	ERP≤ 7W(38.45dBm) (LTE Band 5) EIRP≤ 2W(33.00dBm) (LTE Band 2) EIRP≤ 1W(30.00dBm) (LTE Band 4,66) EIRP≤ 2W(33.00dBm) (LTE Band 7,38,41)
Test setup:	Below 1GHz  Above 1GHz  Substituted method: 

Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated. 3. ERP were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated asfollows: ERP = S.G. output (dBm) + Antenna Gain (dBd) – Cable Loss (dB) 4. EIRP were measured using a substitution method. The EUTwas replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated asfollows: EIRP = S.G. output (dBm) + Antenna Gain (dBi) – Cable Loss (dB)
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass
Remark:	H,E1,E2 mean for EUT polarization of X, Y, Z

Note: Please refer to Appendix A of the Appendix Test Data.

4.9 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

Test Requirement:	Part 2.1053 Part 22.917 Part 24.238 Part 27.53(c)(f) Part 27.53(g) Part 27.53(h) Part 27.53(m) Part 90.691
Test Method:	ANSI C63.26:2015
Limit:	≤ -13dBm(LTE Band 5) ≤ -13dBm(LTE Band 2) ≤ -13dBm(LTE Band 4,66) ≤ -25dBm(LTE Band 7, 38, 41)
Test setup:	Below 1GHz  Above 1GHz  Substituted method:

	
Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency(low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. ERP / EIRP = S.G. output (dBm) + Antenna Gain(dB/dBi) – Cable Loss (dB)
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

Measurement Data:

QPSK Mode:

Test mode:	LTE Band 2(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3732.07	Vertical	-31.36	-13.00	Pass
5599.26	V	-30.77		
7430.50	V	-30.75		
9285.16	V	-42.41		
11257.47	V	---		
3732.36	Horizontal	-32.76	-13.00	Pass
5525.52	H	-31.91		
7406.36	H	-37.26		
9246.19	H	-41.67		
11234.31	H	---		
Test mode:	**LTE Band 2(1.4MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3732.20	Vertical	-30.92	-13.00	Pass
5641.56	V	-31.01		
7508.39	V	-32.59		
9485.24	V	-43.67		
11408.72	V	---		
3717.51	Horizontal	-32.83	-13.00	Pass
5673.85	H	-31.56		
7531.93	H	-39.59		
9427.04	H	-38.47		
11329.94	H	---		
Test mode:	**LTE Band 2(1.4MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3833.08	Vertical	-30.79	-13.00	Pass
5744.44	V	-31.73		
7649.44	V	-33.76		
9521.48	V	-43.54		
11607.53	V	---		
3834.24	Horizontal	-32.09	-13.00	Pass
5747.39	H	-31.72		
7625.62	H	-38.26		
9578.78	H	-40.99		
11532.52	H	---		

Remark：

1. The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.
2. Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 4(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3428.73	Vertical	-32.02	-13.00	Pass
5146.07	V	-28.37		
6871.77	V	-33.00		
8541.67	V	-45.09		
10329.75	V	---		
3429.69	Horizontal	-31.55	-13.00	Pass
5131.61	H	-39.15		
6870.05	H	-36.68		
8605.62	H	-34.96		
10244.71	H	---		
Test mode:	**LTE Band 4(1.4MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3442.50	Vertical	-31.50	-13.00	Pass
5142.06	V	-30.63		
6979.81	V	-34.66		
8667.77	V	-44.25		
10476.17	V	---		
3472.40	Horizontal	-32.55	-13.00	Pass
5119.29	H	-38.22		
6965.47	H	-36.98		
8716.45	H	-35.47		
10320.21	H	---		
Test mode:	**LTE Band 4(1.4MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3515.51	Vertical	-31.17	-13.00	Pass
5223.50	V	-28.70		
7032.63	V	-31.27		
8771.24	V	-43.75		
10667.08	V	---		
3545.29	Horizontal	-32.46	-13.00	Pass
5252.27	H	-38.07		
7060.22	H	-36.93		
8822.85	H	-36.71		
10547.02	H	---		

Remark：

1. The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.
2. Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 5(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1615.14	Vertical	-32.47	-13.00	Pass
2445.81	V	-32.45		
3224.50	V	-33.00		
4144.32	V	-44.21		
5073.82	V	---		
1812.60	Horizontal	-31.00	-13.00	Pass
2505.05	H	-39.67		
3885.90	H	-35.33		
4312.21	H	-33.27		
5147.99	H	---		
Test mode:	**LTE Band 5(1.4MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1638.54	Vertical	-31.63	-13.00	Pass
2422.86	V	-29.29		
3252.25	V	-32.73		
4287.77	V	-44.43		
5159.87	V	---		
4750.81	Horizontal	-31.12	-13.00	Pass
2667.34	H	-38.56		
3856.74	H	-36.45		
4425.62	H	-35.48		
5148.33	H	---		
Test mode:	**LTE Band 5(1.4MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1703.51	Vertical	-34.48	-13.00	Pass
2561.92	V	-33.12		
3420.25	V	-31.82		
4370.70	V	-43.92		
5260.22	V	---		
1751.79	Horizontal	-31.84	-13.00	Pass
2876.73	H	-39.22		
3441.25	H	-37.21		
4394.88	H	-36.67		
5147.90	H	---		

Remark：

1. The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.
2. Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5229.11	Vertical	-31.02	-25.00	Pass
4861.83	V	-29.13		
10094.91	V	-32.59		
13594.93	V	-44.35		
15234.46	V	---		
5139.40	Horizontal	-31.59	-25.00	Pass
7945.88	H	-38.61		
10156.13	H	-35.31		
12812.71	H	-35.97		
15137.93	H	---		
Test mode:	**LTE Band 7(5MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5158.12	Vertical	-30.23	-25.00	Pass
7640.84	V	-30.95		
10225.45	V	-31.18		
13285.35	V	-44.00		
15637.14	V	---		
5131.37	Horizontal	-33.84	-25.00	Pass
7739.37	H	-38.73		
10278.97	H	-35.65		
13878.45	H	-33.78		
15364.08	H	---		
Test mode:	**LTE Band 7(5MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5240.33	Vertical	-33.61	-25.00	Pass
7884.18	V	-34.55		
10349.04	V	-31.34		
12925.07	V	-44.78		
15441.79	V	---		
5226.78	Horizontal	-32.00	-25.00	Pass
7738.97	H	-38.27		
10357.97	H	-36.54		
12778.99	H	-36.32		
15364.35	H	---		

Remark：

1. The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.
2. Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode	LTE Band 38(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
2628.95	Vertical	-31.21	-25.00	Pass
5256.32	V	-31.73		
10564.81	V	-30.44		
12217.19	V	-43.90		
13697.89	V	---		
2643.55	Horizontal	-33.33	-25.00	Pass
5233.23	H	-38.77		
10852.86	H	-37.60		
12304.40	H	-37.06		
13264.22	H	---		
Test mode	**LTE Band 38(5MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
2758.63	Vertical	-29.15	-25.00	Pass
5484.60	V	-33.04		
10639.65	V	-31.03		
12867.45	V	-45.86		
15710.35	V	---		
2687.70	Horizontal	-33.33	-25.00	Pass
5437.26	H	-37.39		
10840.83	H	-37.07		
12310.16	H	-35.67		
15331.05	H	---		
Test mode	**LTE Band 38(5MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
2627.13	Vertical	-30.63	-25.00	Pass
6894.74	V	-32.98		
10440.11	V	-30.54		
12726.85	V	-43.58		
15637.80	V	---		
2690.03	Horizontal	-28.49	-25.00	Pass
5192.20	H	-37.12		
10761.53	H	-36.76		
13307.59	H	-36.91		
16260.18	H	---		

Remark：

1 The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.

2 Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode	LTE Band 41(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3676.00	Vertical	-28.33	-25.00	Pass
8634.37	V	-33.20		
10232.34	V	-33.53		
12662.96	V	-43.41		
13375.30	V	---		
3992.04	Horizontal	-32.10	-25.00	Pass
9810.97	H	-38.74		
10273.44	H	-37.36		
12317.68	H	-34.57		
13164.11	H	---		
Test mode	**LTE Band 41(5MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3578.10	Vertical	-31.73	-25.00	Pass
5976.30	V	-32.52		
8944.35	V	-33.05		
10238.98	V	-43.49		
13803.07	V	---		
5870.03	Horizontal	-29.58	-25.00	Pass
7236.24	H	-40.76		
10342.31	H	-34.65		
12305.72	H	-26.92		
13262.51	H	---		
Test mode	**LTE Band 41(5MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3115.90	Vertical	-33.14	-25.00	Pass
5637.01	V	-33.03		
8943.37	V	-33.60		
10362.44	V	-44.03		
12876.24	V	---		
5132.20	Horizontal	-33.17	-25.00	Pass
8676.23	H	-38.87		
10303.38	H	-35.60		
12710.33	H	-36.29		
13592.05	H	---		

Remark：

1 The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.

2 Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 66(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3316.41	Vertical	-31.45	-13.00	Pass
5688.87	V	-32.96		
7306.47	V	-32.42		
8299.82	V	-44.16		
10441.84	V	---		
3335.15	Horizontal	-32.81	-13.00	Pass
5230.93	H	-38.68		
6951.31	H	-37.64		
8917.15	H	-37.25		
10269.68	H	---		
Test mode:	LTE Band 66(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
2887.29	Vertical	-35.41	-13.00	Pass
5371.47	V	-34.89		
7517.70	V	-34.67		
9867.37	V	-44.62		
10368.76	V	---		
3021.80	Horizontal	-32.80	-13.00	Pass
5236.42	H	-38.14		
7652.52	H	-36.99		
8886.20	H	-35.57		
10400.84	H	---		
Test mode:	LTE Band 66(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3749.48	Vertical	-35.34	-13.00	Pass
5314.98	V	-34.43		
7235.06	V	-35.53		
8632.50	V	-44.58		
10575.52	V	---		
3335.50	Horizontal	-32.89	-13.00	Pass
5292.80	H	-38.64		
7329.02	H	-36.52		
8879.80	H	-35.35		
10128.27	H	---		

Remark：

1 The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.

2 Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst

16 QAM Mode:

Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3533.25	Vertical	-33.17	-13.00	Pass
5714.53	V	-39.42		
8612.65	V	-32.18		
9731.98	V	-45.82		
11405.01	V	---		
3651.78	Horizontal	-32.77	-13.00	Pass
5558.83	H	-35.60		
7725.87	H	-40.87		
9384.72	H	-39.36		
12395.62	H	---		
Test mode:	**LTE Band 2 (1.4MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3870.59	Vertical	-33.01	-13.00	Pass
5851.20	V	-39.77		
7913.87	V	-31.43		
9391.16	V	-45.77		
12165.08	V	---		
3355.20	Horizontal	-36.48	-13.00	Pass
5547.08	H	-37.68		
7958.82	H	-40.46		
9908.91	H	-40.56		
11344.04	H	---		
Test mode:	**LTE Band 2 (1.4MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
2898.42	Vertical	-33.72	-13.00	Pass
5651.60	V	-42.25		
7842.80	V	-34.15		
9309.56	V	-41.85		
12193.85	V	---		
3790.85	Horizontal	-36.31	-13.00	Pass
5667.74	H	-37.29		
7558.70	H	-40.36		
9503.24	H	-39.21		
11487.25	H	---		

Remark：

1 The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.

2 Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 4(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3417.02	Vertical	-33.06	-13.00	Pass
5274.34	V	-40.25		
6305.54	V	-29.53		
8715.87	V	-48.41		
11295.10	V	---		
3353.11	Horizontal	-34.50	-13.00	Pass
4932.67	H	-36.50		
7716.59	H	-40.58		
9647.89	H	-40.27		
10417.56	H	---		
Test mode:	**LTE Band 4(1.4MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3291.05	Vertical	-37.32	-13.00	Pass
5275.55	V	-39.73		
7310.70	V	-33.54		
8993.91	V	-46.17		
10296.80	V	---		
3385.76	Horizontal	-36.94	-13.00	Pass
5227.22	H	-35.23		
6896.31	H	-41.04		
9344.85	H	-37.57		
10457.30	H	---		
Test mode:	**LTE Band 4(1.4MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3236.36	Vertical	-34.85	-13.00	Pass
5145.73	V	-41.80		
8613.61	V	-30.73		
9570.00	V	-48.27		
11306.96	V	---		
3539.62	Horizontal	-35.17	-13.00	Pass
5338.21	H	-37.10		
7284.31	H	-40.25		
8952.85	H	-37.47		
10360.50	H	---		

Remark：

1 The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.

2 Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 5(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1964.94	Vertical	-36.21	-13.00	Pass
2537.00	V	-40.97		
3628.45	V	-36.10		
4267.35	V	-45.93		
5679.48	V	---		
1676.32	Horizontal	-35.16	-13.00	Pass
2443.22	H	-37.29		
3326.86	H	-40.14		
4268.25	H	-40.14		
5080.68	H	---		
Test mode:	**LTE Band 5(1.4MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1684.50	Vertical	-35.59	-13.00	Pass
2532.37	V	-38.74		
3440.14	V	-35.74		
4231.92	V	-46.51		
5164.42	V	---		
1589.07	Horizontal	-36.71	-13.00	Pass
2281.79	H	-38.55		
3483.72	H	-41.44		
4199.53	H	-42.02		
5560.56	H	---		
Test mode:	**LTE Band 5(1.4MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1171.25	Vertical	-36.94	-13.00	Pass
2379.50	V	-36.56		
3213.96	V	-30.68		
4258.27	V	-44.98		
5166.50	V	---		
1701.90	Horizontal	-31.99	-13.00	Pass
2513.50	H	-29.71		
3425.72	H	-39.18		
4259.41	H	-36.99		
5121.88	H	---		

Remark：

1 The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.

2 Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5151.69	Vertical	-31.26	-25.00	Pass
7373.93	V	-39.68		
9047.26	V	-32.05		
12423.17	V	-44.77		
15424.27	V	---		
5177.56	Horizontal	-30.87	-25.00	Pass
7322.58	H	-35.67		
9683.58	H	-38.34		
12497.48	H	-39.89		
15325.55	H	---		
Test mode:	**LTE Band 7(5MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5151.47	Vertical	-31.61	-25.00	Pass
7734.08	V	-38.41		
10134.26	V	-36.32		
12717.14	V	-46.86		
15293.58	V	---		
5179.81	Horizontal	-36.65	-25.00	Pass
7621.09	H	-38.99		
10311.80	H	-38.36		
12357.05	H	-38.36		
15385.08	H	---		
Test mode:	**LTE Band 7(5MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5054.60	Vertical	-34.24	-25.00	Pass
7884.23	V	-39.49		
10321.35	V	-30.14		
13020.40	V	-44.69		
15697.01	V	---		
5181.12	Horizontal	-31.25	-25.00	Pass
7827.22	H	-36.29		
10253.42	H	-41.27		
12904.12	H	-41.06		
15557.99	H	---		

Remark：

1 The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.

2 Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode	LTE Band 38(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
2390.88	Vertical	-32.78	-25.00	Pass
5321.61	V	-41.35		
10254.83	V	-34.66		
12951.17	V	-46.09		
13548.72	V	---		
3153.69	Horizontal	-35.42	-25.00	Pass
5270.56	H	-38.60		
10080.23	H	-37.88		
12799.55	H	-41.91		
13083.57	H	---		
Test mode	**LTE Band 38(5MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
2612.98	Vertical	-33.50	-25.00	Pass
5319.68	V	-39.71		
10580.43	V	-31.82		
12815.12	V	-45.14		
15697.22	V	---		
2619.73	Horizontal	-31.71	-25.00	Pass
5241.71	H	-36.76		
10913.43	H	-39.38		
12410.77	H	-42.09		
15513.80	H	---		
Test mode	**LTE Band 38(5MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
2605.71	Vertical	-34.77	-25.00	Pass
5804.08	V	-40.45		
10663.17	V	-34.01		
12740.03	V	-46.46		
16344.41	V	---		
2681.64	Horizontal	-36.15	-25.00	Pass
5495.71	H	-37.96		
10327.97	H	-40.73		
13038.70	H	-38.72		
16437.84	H	---		

Remark：

4 The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.

5 Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

6 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode	LTE Band 41(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4863.00	Vertical	-34.49	-25.00	Pass
9976.26	V	-38.60		
10259.97	V	-30.55		
12345.36	V	-46.24		
13093.76	V	---		
4960.29	Horizontal	-33.21	-25.00	Pass
9904.72	H	-39.82		
10152.42	H	-37.31		
12609.50	H	-38.76		
13274.73	H	---		
Test mode	**LTE Band 41(5MHz)**		**Test channel:**	**Middle**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5100.75	Vertical	-34.65	-25.00	Pass
10055.57	V	-39.85		
12224.68	V	-32.50		
13515.86	V	-43.81		
15383.91	V	---		
5090.20	Horizontal	-34.26	-25.00	Pass
10118.13	H	-36.15		
12510.38	H	-39.52		
13294.64	H	-37.80		
15528.01	H	---		
Test mode	**LTE Band 41(5MHz)**		**Test channel:**	**Highest**
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5151.71	Vertical	-34.77	-25.00	Pass
10192.02	V	-39.84		
12129.33	V	-28.85		
13298.85	V	-44.33		
15323.41	V	---		
5066.07	Horizontal	-34.50	-25.00	Pass
10320.12	H	-37.34		
12803.57	H	-38.70		
13634.69	H	-38.65		
15311.04	H	---		

Remark：

4 The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.

5 Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

6 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 66(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3440.17	Vertical	-32.06	-13.00	Pass
5281.68	V	-39.67		
6711.49	V	-30.15		
8386.24	V	-45.49		
10287.25	V	---		
3464.06	Horizontal	-34.16	-13.00	Pass
5199.44	H	-35.85		
6910.09	H	-38.27		
8577.19	H	-39.19		
10329.51	H	---		
Test mode:	LTE Band 66(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3461.16	Vertical	-34.48	-13.00	Pass
5171.22	V	-38.51		
6947.49	V	-33.67		
8782.56	V	-43.88		
10418.52	V	---		
3381.83	Horizontal	-33.57	-13.00	Pass
5253.13	H	-36.76		
6994.06	H	-38.21		
8745.39	H	-38.51		
10641.32	H	---		
Test mode:	LTE Band 66(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3355.29	Vertical	-31.61	-13.00	Pass
5169.03	V	-33.31		
7044.95	V	-29.36		
8759.69	V	-45.75		
10599.71	V	---		
3584.22	Horizontal	-34.30	-13.00	Pass
5266.29	H	-32.82		
7083.66	H	-39.17		
8834.37	H	-39.33		
10584.11	H	---		

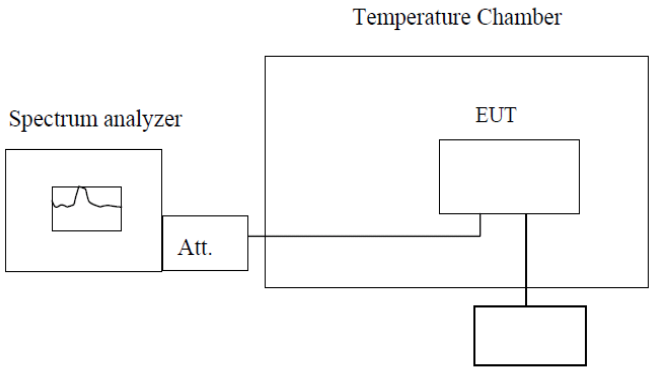
Remark：

1 The emission behaviour belongs to narrowband spurious emission,all modes investigated and only worst case is reported.

2 Remark”---“ means that the emission level is too low (20dB lower than the limit) to be measured

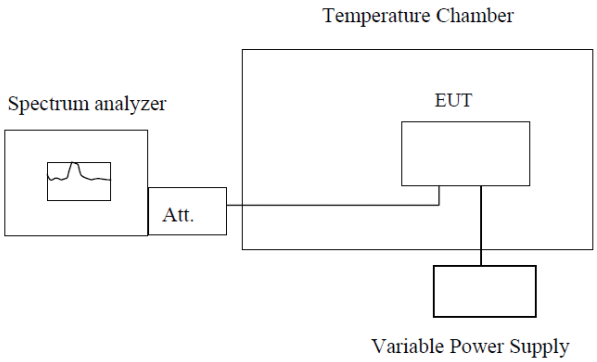
3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

4.10 FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT

Test Requirement:	Part 2.1055(a)(1)(b), Part 22.355 Part 24.235 , Part 27.54, Part 90.213
Test Method:	ANSI C63.26:2015
Limit:	2.5ppm(Part 22) Within the authorized bands of operation(Part 24, Part 27)
Test setup:	 **Note :** Measurement setup for testing on Antenna connector
Test procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass
Remark:	If all frequencies stability are comply with the lower limit, then all results can be considered qualified

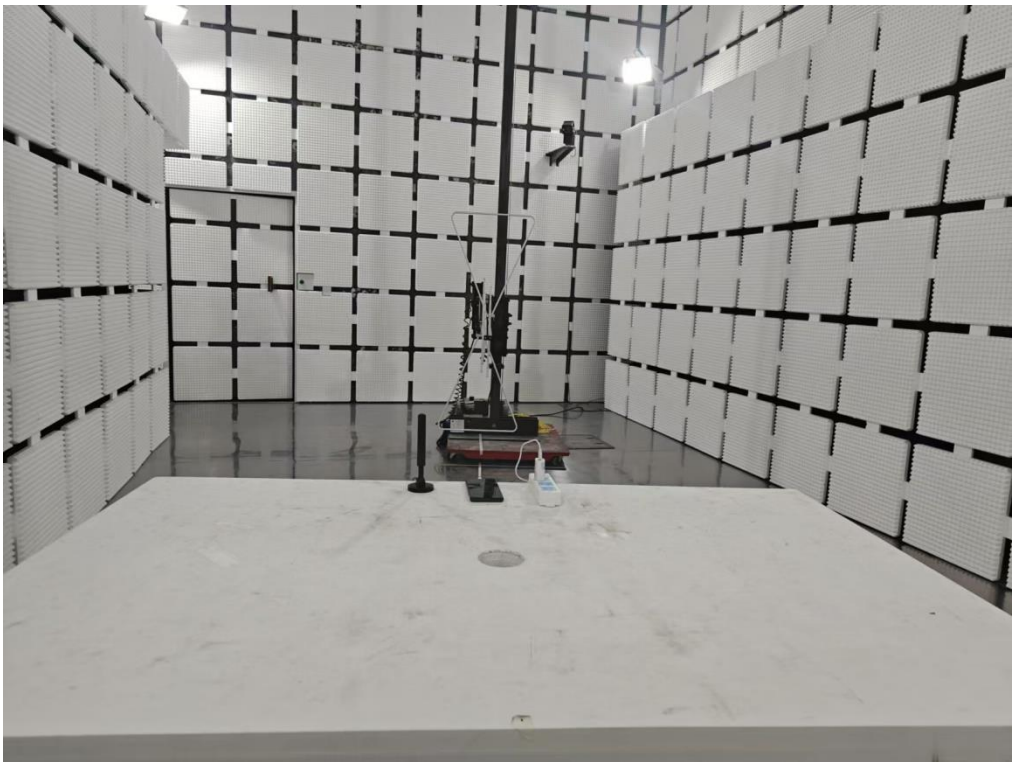
Note: Please refer to Appendix F of the Appendix Test Data.

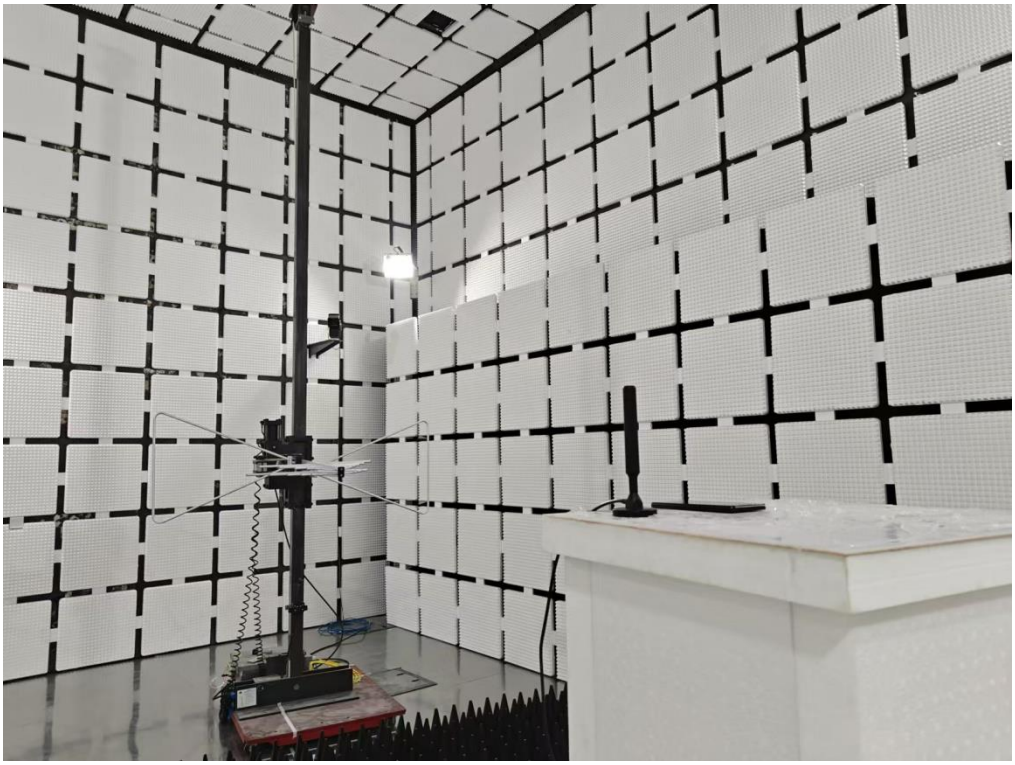
4.11 FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT

Test Requirement:	Part 2.1055(d)(1)(2) Part 22.355 Part 24.235 Part 27.54 Part 90.213
Test Method:	ANSI C63.26:2015
Limit:	2.5ppm Band II & Band VII should be within authorized band.
Test setup:	 **Note :** Measurement setup for testing on Antenna connector
Test procedure:	1. Set chamber temperature to 20°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. 3. Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass
Remark:	1. Manufacturer specified the battery operating end point voltage is 3.61VDC, max voltage is 4.18VDC. 2. If all frequencies stability are comply with the lower limit, then all results can be considered qualified

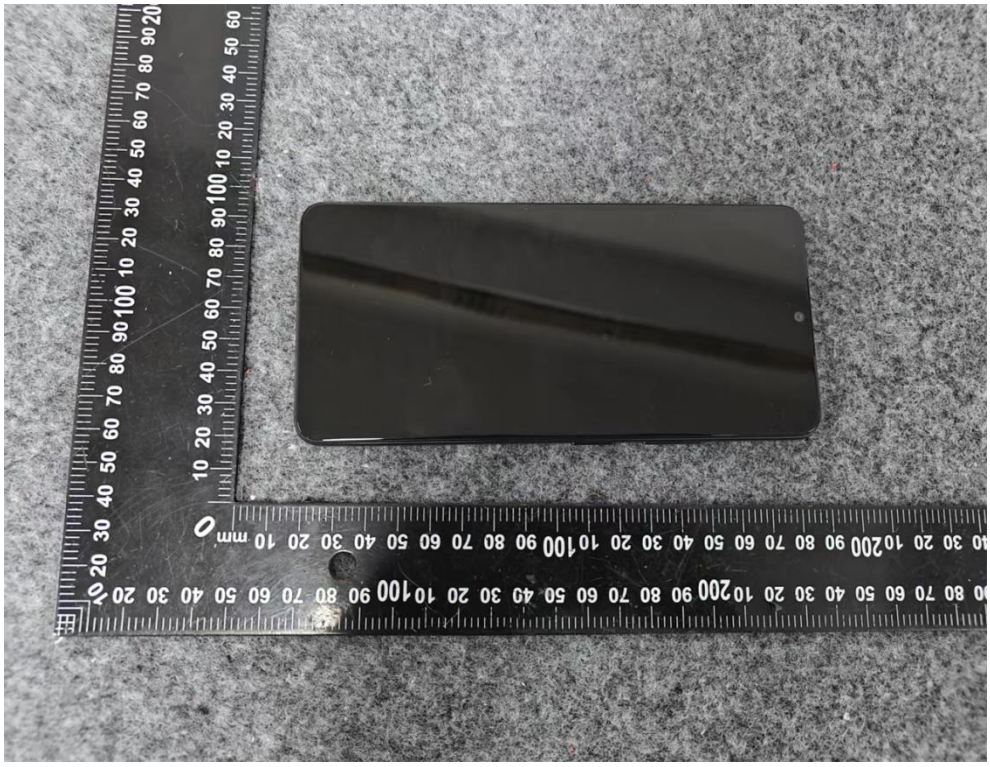
Note: Please refer to Appendix Fof the Appendix Test Data.

4.12 TEST SETUP PHOTO

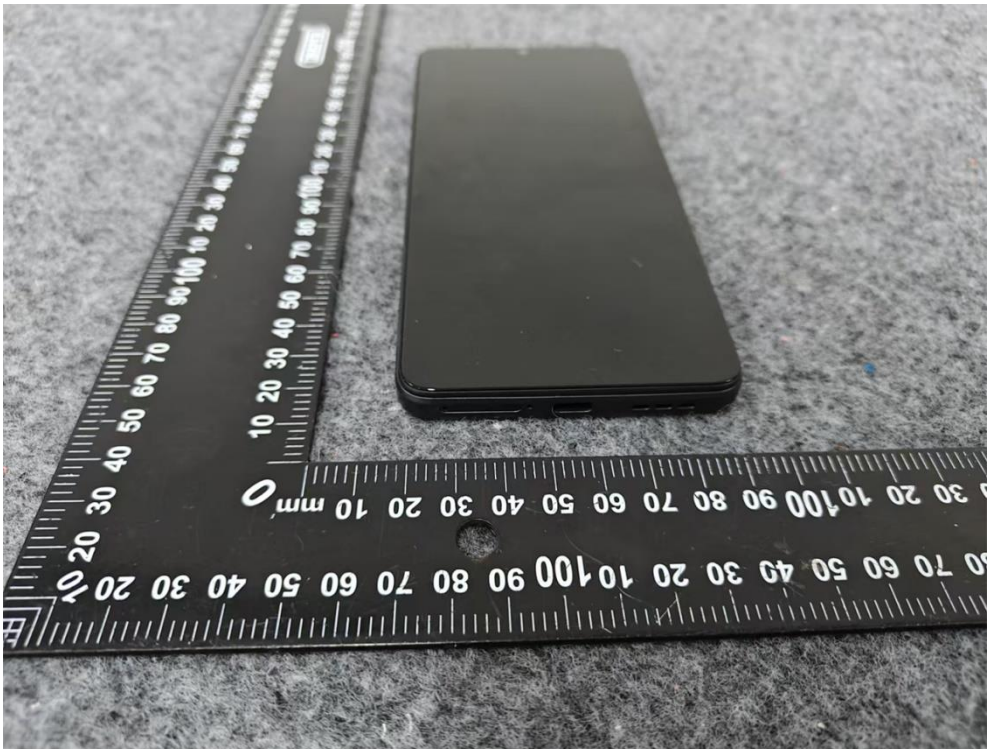


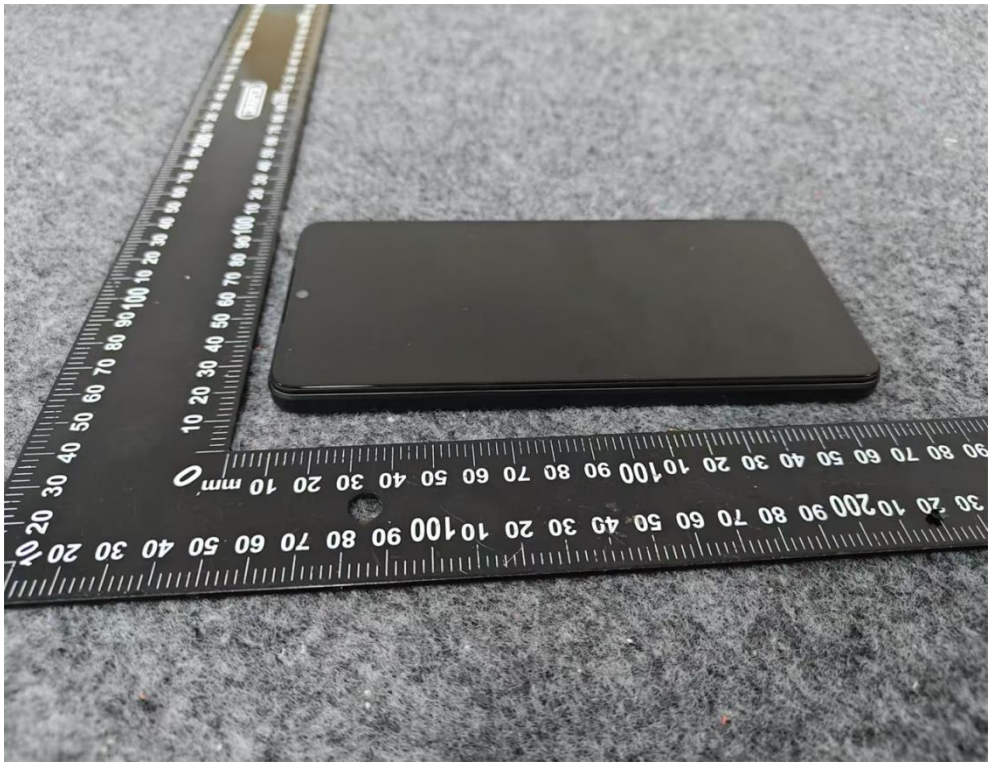


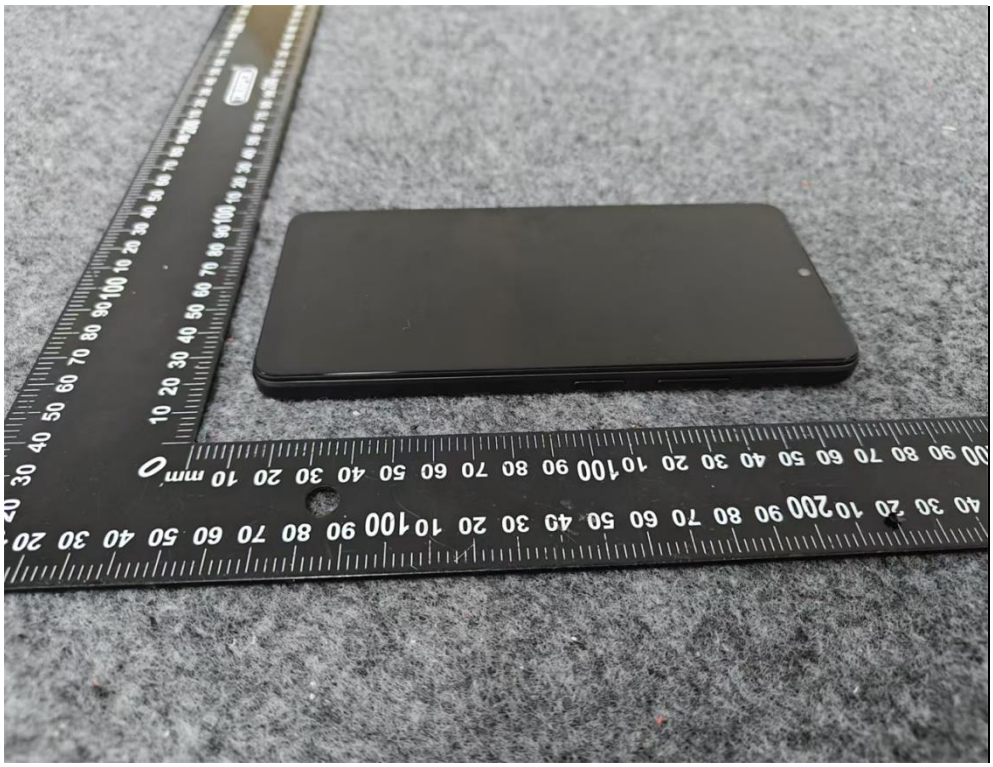
4.13 PHOTOS OF EUT

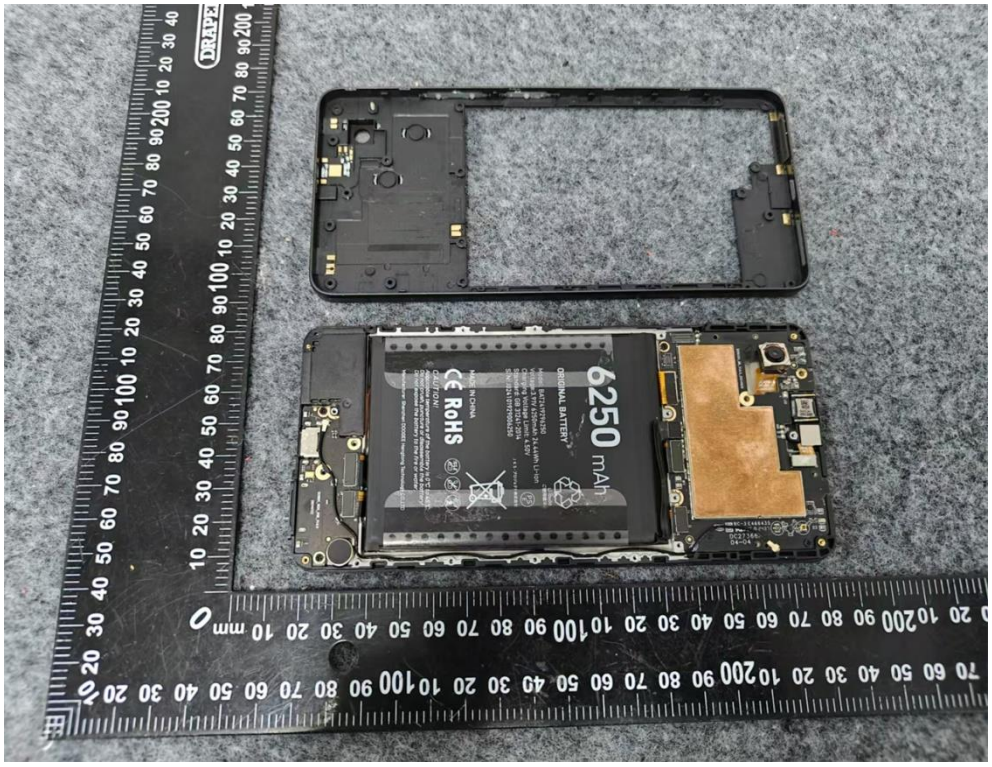


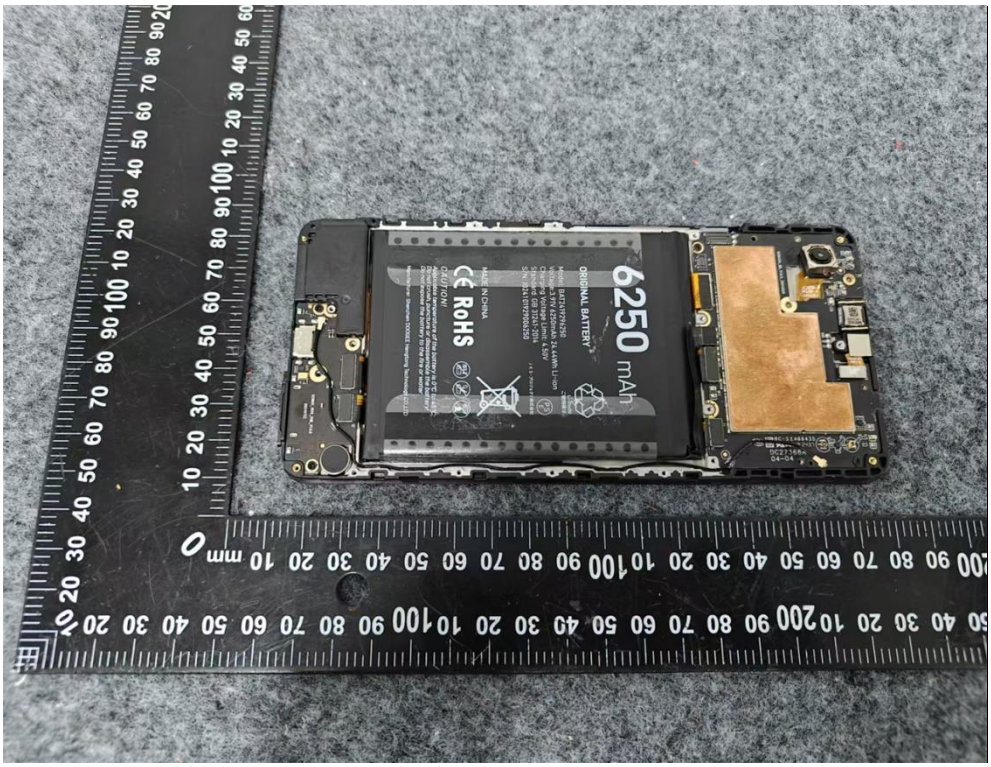

DOOGEE

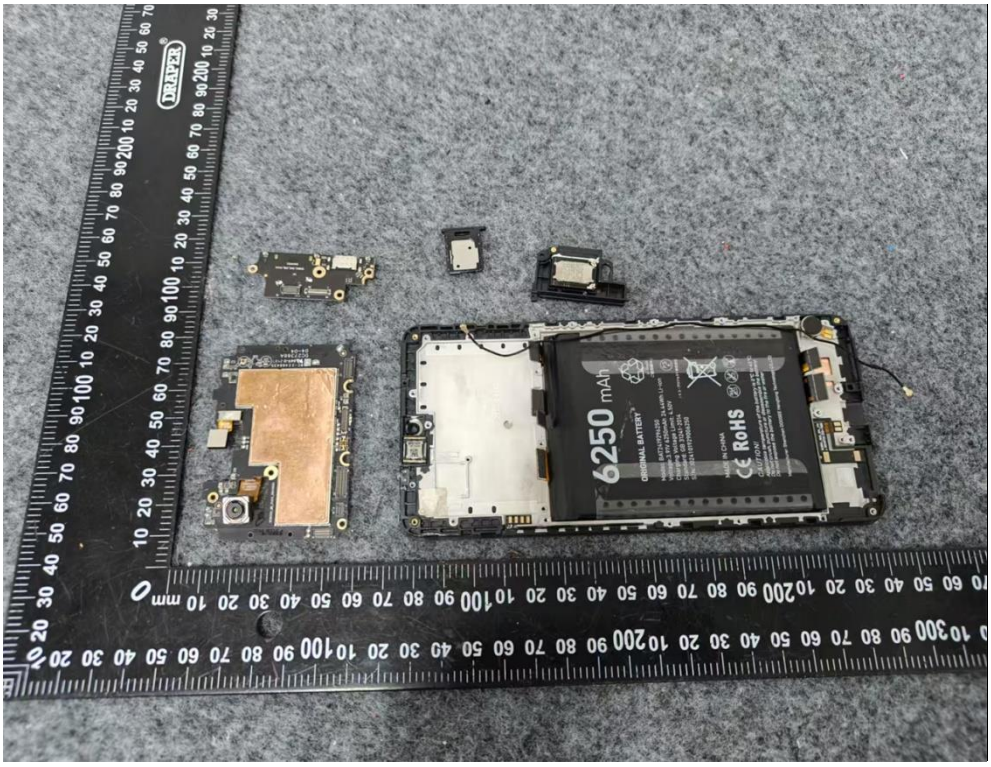


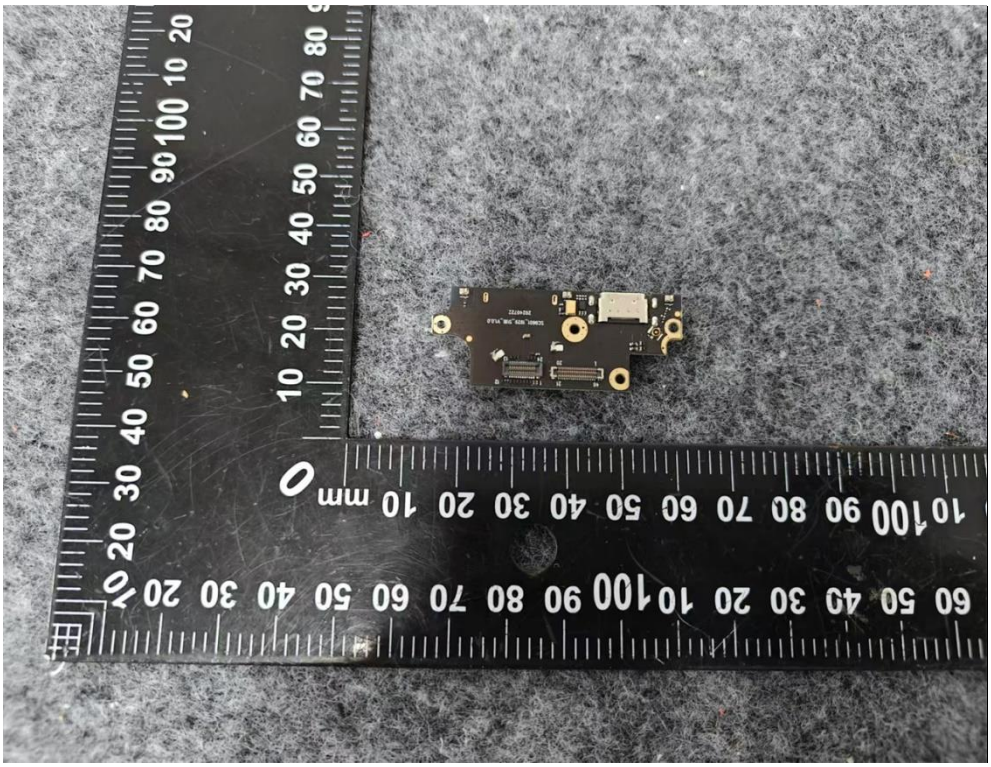


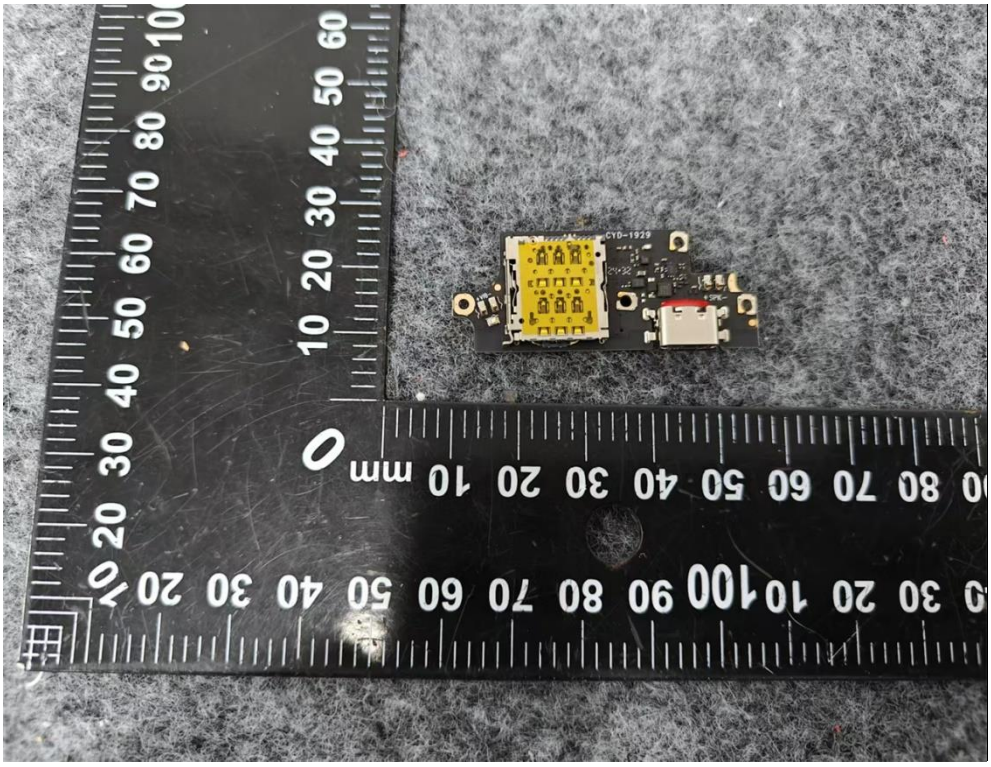


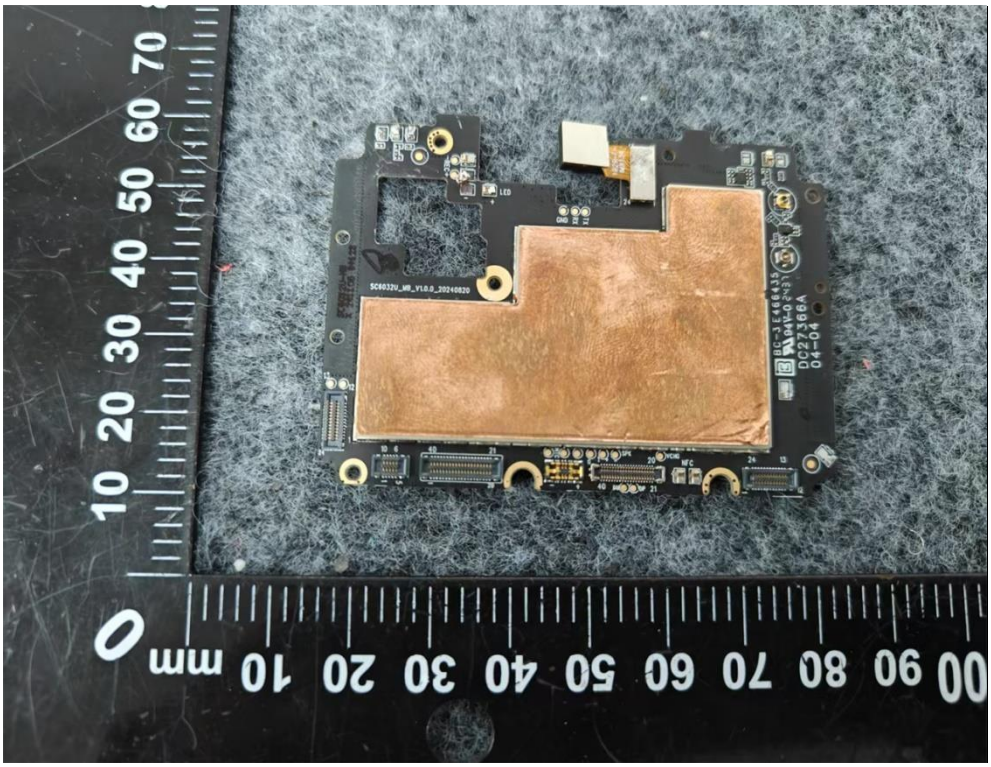

6250 mAh
ORIGINAL BATTERY
CE RoHS
MADE IN CHINA

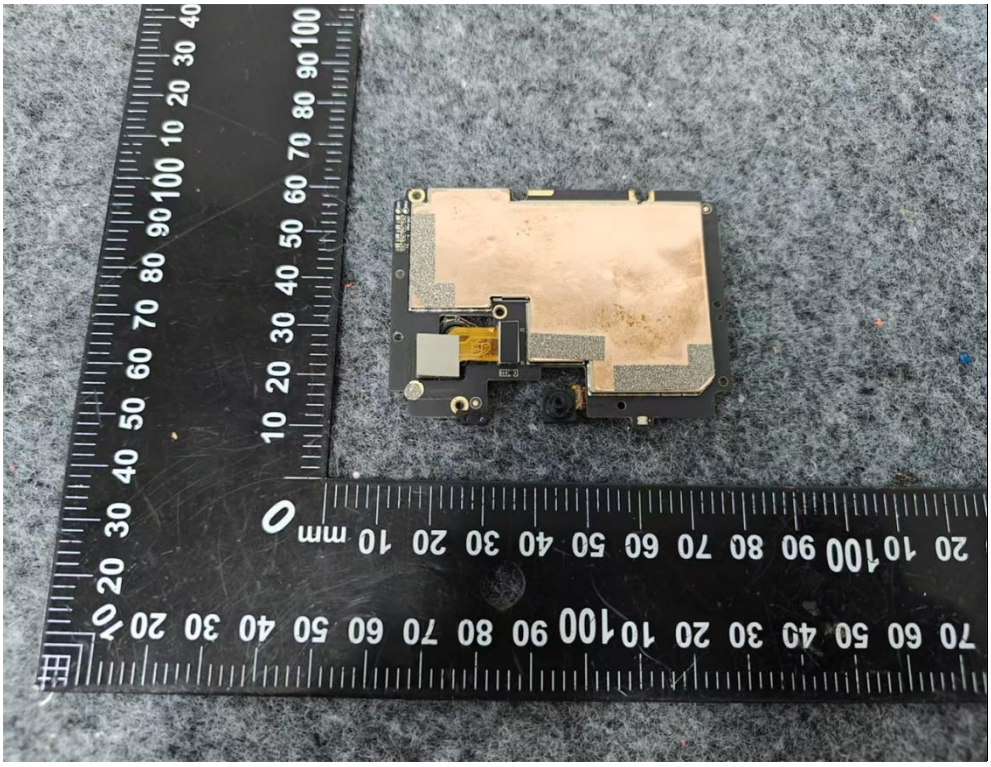

6250 mAh
ORIGINAL BATTERY
CE RoHS
MADE IN CHINA

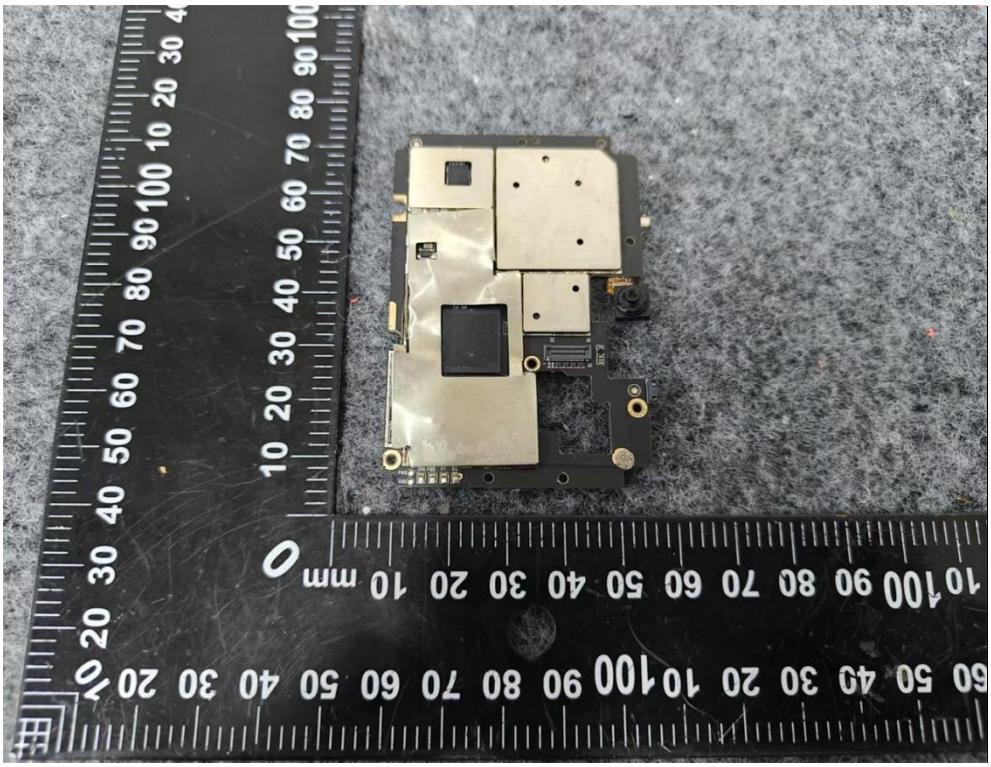

DRAPER
6250 mAh
ORIGINAL BATTERY
RoHS

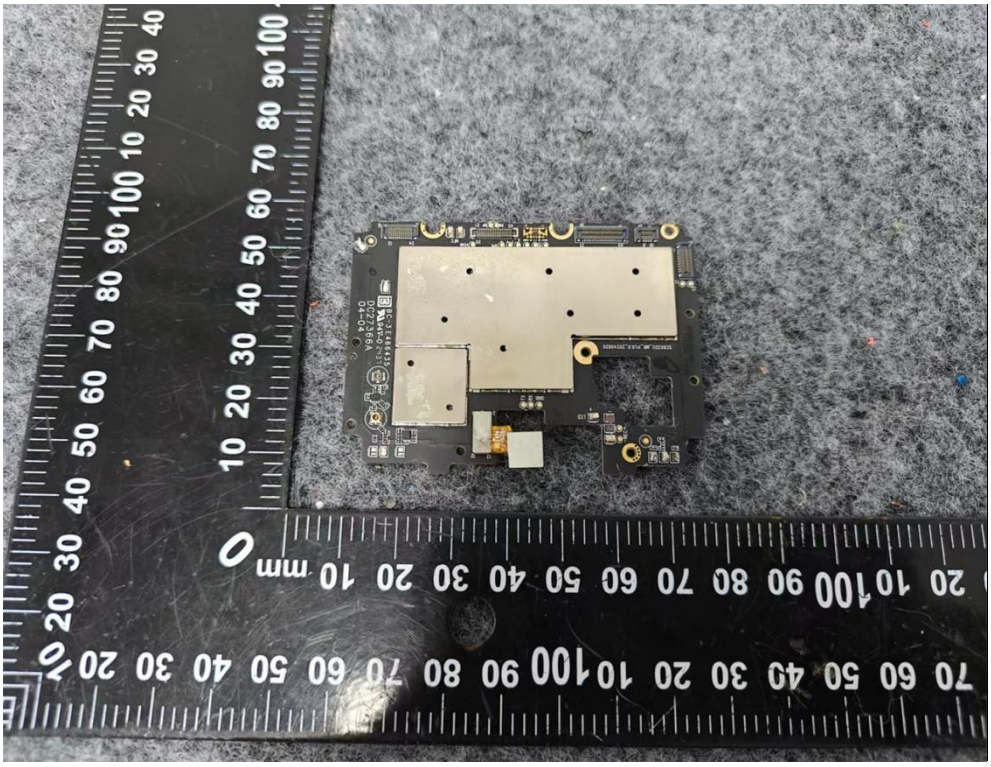


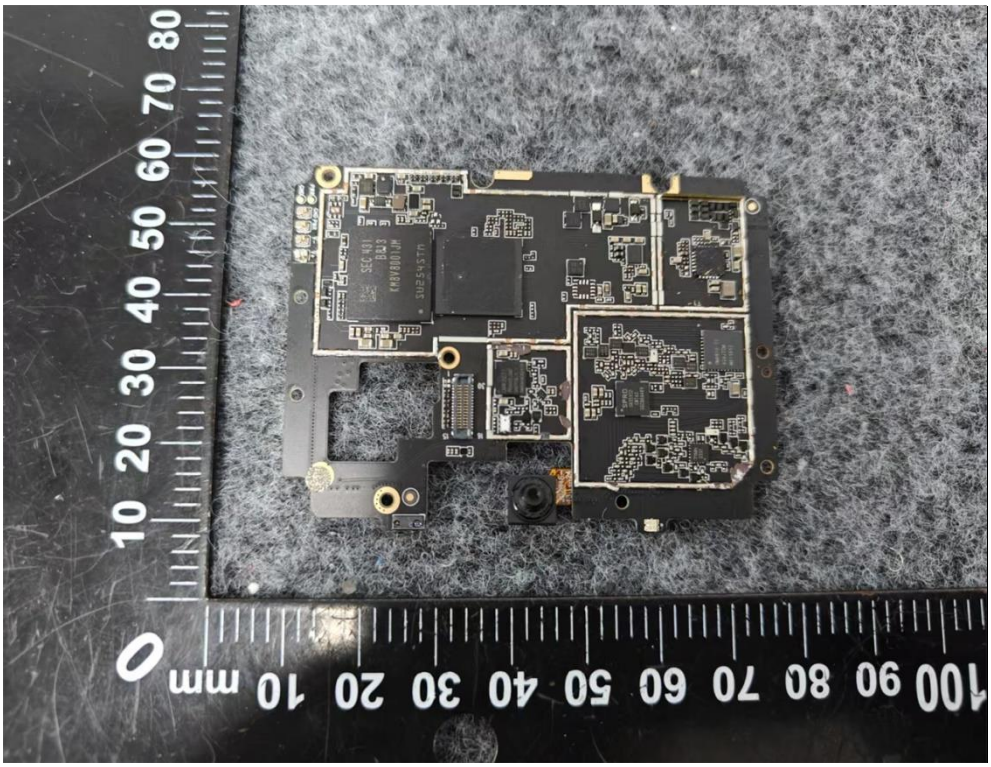


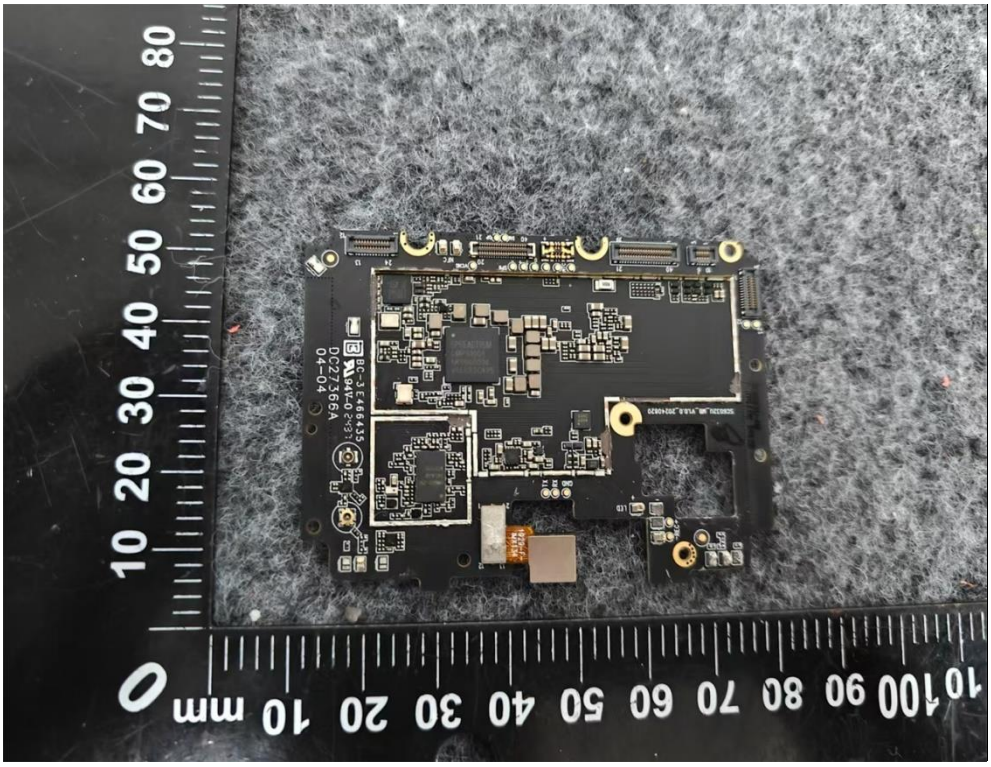


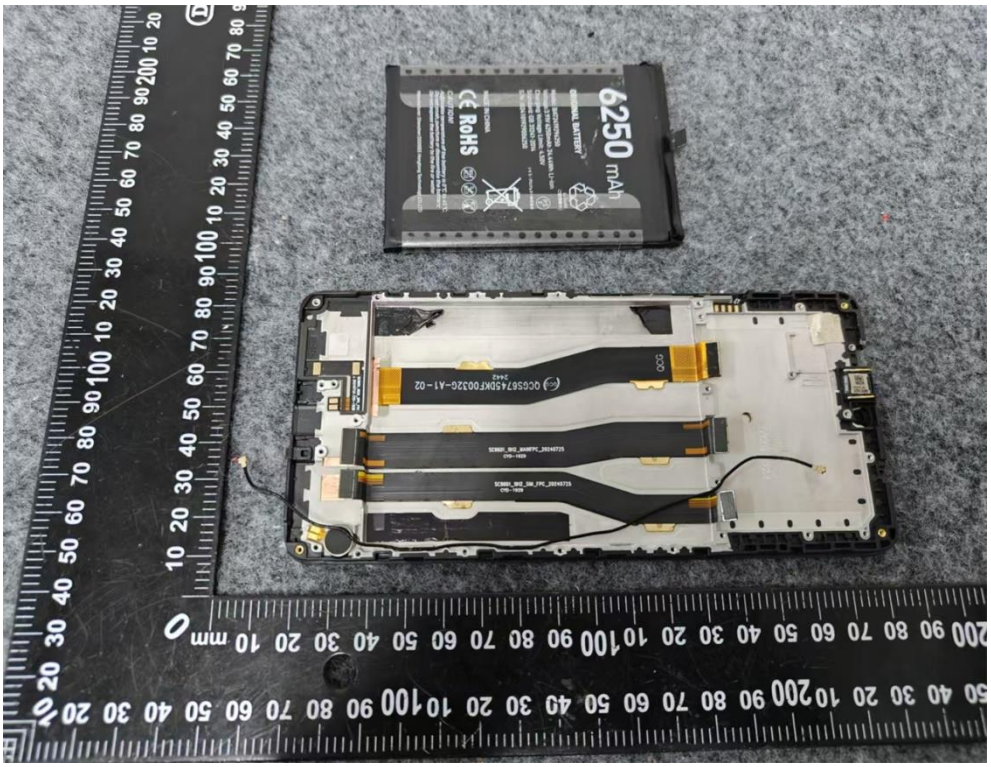











6250 mAh
RoHS

-------END OF REPORT-------