

FCC EMC Test Report



Subject to
Supplier's Declaration of Conformity
Procedure

Product : Smartphone
Trade Mark : CUBOT
Model Number : KINGKONG 9

Prepared for

Shenzhen Huafurui Technology Co., Ltd.
Unit 1401 & 1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of Chongwen Garden),
Crossing of the Liuxian Street and Tangling Road, Taoyuan Street, Nanshan District,
Shenzhen, P.R. China

Prepared by

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TEST RESULT CERTIFICATION

Applicant's Name: Shenzhen Huafurui Technology Co., Ltd.
Unit 1401 &1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of
Address.....: Chongwen Garden), Crossing of the Liuxian Street and Tangling
Road, Taoyuan Street, Nanshan District, Shenzhen, P.R. China
Manufacturer's Name.....: Shenzhen Huafurui Technology Co., Ltd.
Unit 1401 &1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of
Address.....: Chongwen Garden), Crossing of the Liuxian Street and Tangling
Road, Taoyuan Street, Nanshan District, Shenzhen, P.R. China

Product description

Product Name: Smartphone
Model Number: KINGKONG 9
Standards: 47 CFR FCC part 15 subpart B, 10-1-2022
ANSI C63.4:2014

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report.

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Test Sample Number: S230414032005

Date of Test:

Date (s) of performance of tests: 17 Apr. 2023 ~ 28 Apr. 2023

Date of Issue: 28 Apr. 2023

Test Result.....: **Pass**

Testing Engineer

:

Korka Lin

(Korka Lin)

Technical Manager

:

Sky Zhang

(Sky Zhang)

Authorized Signatory

:

Alex

(Sky Zhang)

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1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission				
Standard	Test Item	Limit	Judgment	Remark
47 CFR FCC part 15 subpart B, 10-1-2022 ANSI C63.4:2014	Conducted Emission	Class B	PASS	
	Radiated Emission	Class B	PASS	

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd.

Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen 518126 P.R. China

CNAS-Lab. : The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2018 (identical to ISO/IEC 17025:2017)

The Certificate Registration Number is L5516

IC-Registration : The Certificate Registration Number is CN0074

FCC- Accredited : Test Firm Registration Number: 463705

Designation Number: CN1184

A2LA-Lab. : The Certificate Registration Number is 4298.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95 %**.

Test Item	Measurement Frequency Range	K	U(dB)
Conducted Emission	0.009kHz ~ 0.15MHz	2	2.66
Conducted Emission	0.15MHz ~ 30MHz	2	2.80
Telecom Conducted Emission(Cat 3)	0.15MHz ~ 30MHz	2	3.08
Telecom Conducted Emission(Cat 5)	0.15MHz ~ 30MHz	2	3.60
Telecom Conducted Emission(Cat 6)	0.15MHz ~ 30MHz	2	4.14
Radiated Emission	30MHz ~ 1000MHz	2	2.64
Radiated Emission	1000MHz ~ 18000MHz	2	5.10
Power Clamp	30MHz ~ 300MHz	2	2.20

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Smartphone		
Model Number	KINGKONG 9		
Additional Model Number(s)	N/A		
Model Difference	N/A		
Product Description	The EUT is a Smartphone.		
	Operating frequency:	5.8 GHz by WiFi (Declaration by factory)	
	Connecting I/O port:	N/A	
	Based on the application, features, or specification exhibited in User's Manual. More details of EUT technical specification, please refer to the User's Manual.		
Power Source	AC Voltage		
Power Rating	Adapter Model: HJ-PD33W-US Adapter Rating: Input: AC 100-240V, 50/60Hz, 0.8A Output: DC 5.0V, 3.0A or 9.0V, 3.0A or 12.0V, 2.75A, 33.0W MAX Battery Rating: DC 3.87V, 10600mAh, 41.022Wh		

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

All test modes in the table below are tested, the worst case is listed on this report.

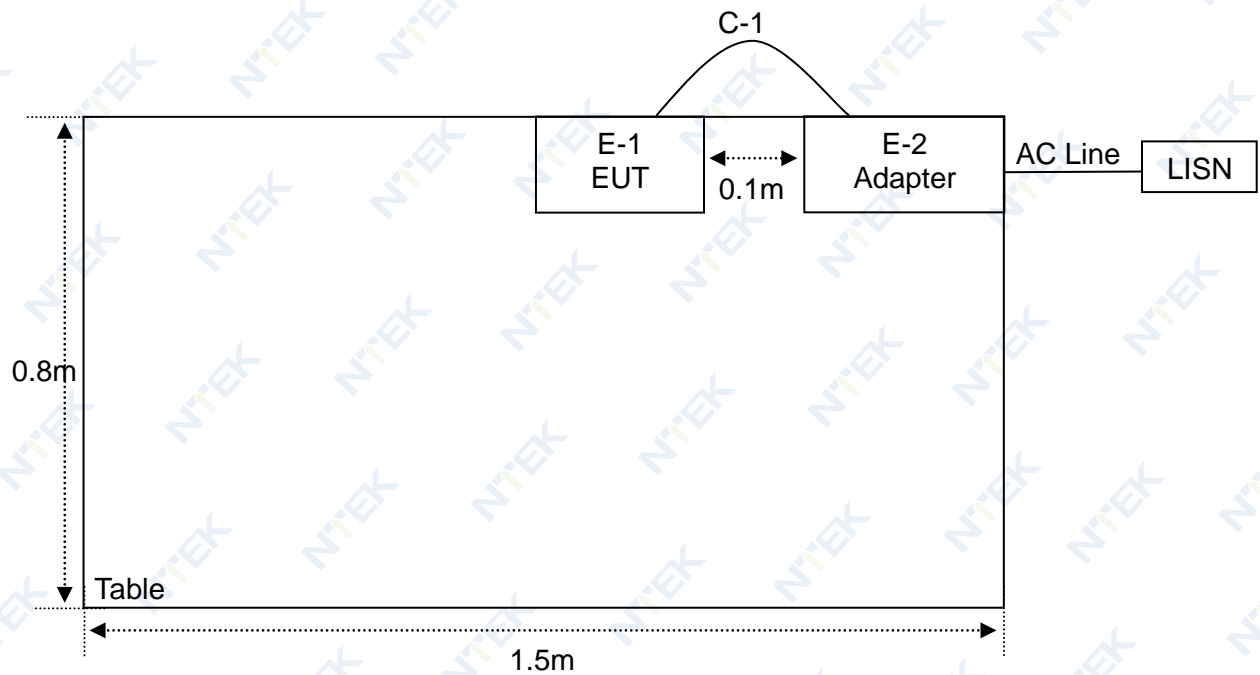
Pretest Mode	Description
Mode 1	Charging + Lighting + TF Playing
Mode 2	Charging + Lighting + REC(Rear)
Mode 3	Charging + REC(Front)
Mode 4	Lighting + FM
Mode 5	Data Transmission

For Conducted Test	
Final Test Mode	Description
Mode 1	Charging + Lighting + TF Playing
Mode 2	Charging + Lighting + REC(Rear)
Mode 3	Charging + REC(Front)
Mode 5	Data Transmission

For Radiated Test	
Final Test Mode	Description
Mode 1	Charging + Lighting + TF Playing
Mode 2	Charging + Lighting + REC(Rear)
Mode 3	Charging + REC(Front)
Mode 4	Lighting + FM
Mode 5	Data Transmission

2.3 DESCRIPTION OF TEST SETUP

Mode CE: Charging + Lighting + TF Playing



2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	Smartphone	CUBOT	KINGKONG 9	N/A	EUT
E-2	Adapter	CUBOT • HAFURY	HJ-PD33W-US	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note
C-1	YES	NO	100cm	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) "YES" means "shielded" "with core"; "NO" means "unshielded" "without core".

2.5 MEASUREMENT INSTRUMENTS LIST

2.5.1 CONDUCTED TEST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Single Phase LISN	R&S	ENV216	101490	Jun. 28, 2022	Jun. 27, 2023	1 year
2	Single Phase LISN	R&S	ENV216	101313	Mar. 27, 2023	Mar. 26, 2024	1 year
3	Three-Phase LISN	SCHWARZB ECK	NNLK 8129	8129245	Mar. 27, 2023	Mar. 26, 2024	1 year
4	Low Frequency Cable	N/A	C-01	N/A	May 11, 2020	May 10, 2023	3 years
5	50Ω Coaxial Switch	Anritsu	MP59B	6200983704	May 11, 2020	May 10, 2023	3 years
6	EMI Test Receiver	R&S	ESCI	101160	Mar. 27, 2023	Mar. 26, 2024	1 year

2.5.2 RADIATED TEST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	3m Anechoic Chamber	N/A	9*6*6	N/A	May 14, 2021	May 13, 2024	3 years
2	3m Anechoic Chamber	N/A	9*6*6	N/A	Jul. 28, 2022	Jul. 27, 2025	3 years
3	EMI Test Receiver	R&S	ESPI7	101318	Mar. 27, 2023	Mar. 26, 2024	1 year
4	Bilog Antenna	TESEQ	CBL6111D	31216	Mar. 16, 2023	Mar. 15, 2024	1 year
5	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	May 11, 2020	May 10, 2023	3 years
6	Cable	Talent Microwave	A81-NWMSM AM-12M	21120897	Dec. 16, 2021	Dec. 15, 2024	3 years
7	Cable	Talent Microwave	A81-NMMN-1 0M	22084896	Sep. 09, 2022	Sep. 08, 2025	3 years
8	Cable	Talent Microwave	A81-NMMN-2 M	22084895	Sep. 09, 2022	Sep. 08, 2025	3 years
9	Log-Periodic Antenna	SCHWARZB ECK	VULB 9162	584	Jan. 11, 2023	Jan. 10, 2024	1 year
10	Log-Periodic Antenna	SCHWARZB ECK	VULB 9162	586	Jan. 11, 2023	Jan. 10, 2024	1 year
11	Attenuator	Eastsheep	5W-N-JK-6G-6DB	N/A	Aug. 14, 2022	Aug. 13, 2023	1 year
12	Broadband Horn Antenna	EM	EM-AH-10180	2011071402	Mar. 31, 2022	Mar. 30, 2025	3 years
13	Broadband Horn Antenna	SCHWARZB ECK	BBHA 9120 D	2816	Jan. 12, 2023	Jan. 11, 2024	1 year
14	Broadband Horn Antenna	SCHWARZB ECK	BBHA 9120 D	2817	Jan. 12, 2023	Jan. 11, 2024	1 year
15	Spectrum Analyzer	Agilent	E4440A	MY41000130	Mar. 27, 2023	Mar. 26, 2024	1 year
16	Pre-Amplifier	EMC	EMC051835S E	980246	Jun. 17, 2022	Jun. 16, 2023	1 year
17	Cable	Keysight	A40-2.92M2.9 2M-2M	1808041	Nov. 01, 2022	Oct. 31, 2023	3 years
18	Broadband Horn Antenna	SCHWARZB ECK	BBHA 9170	803	Nov. 07, 2022	Nov. 06, 2023	1 year

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150kHz-30MHz)

FREQUENCY (MHz)	<input type="checkbox"/> Class A (dB μ V)		<input checked="" type="checkbox"/> Class B (dB μ V)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79.00	66.00	79.00	66.00
0.50 - 5.0	73.00	60.00	73.00	60.00
5.0 - 30.0	73.00	60.00	73.00	60.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

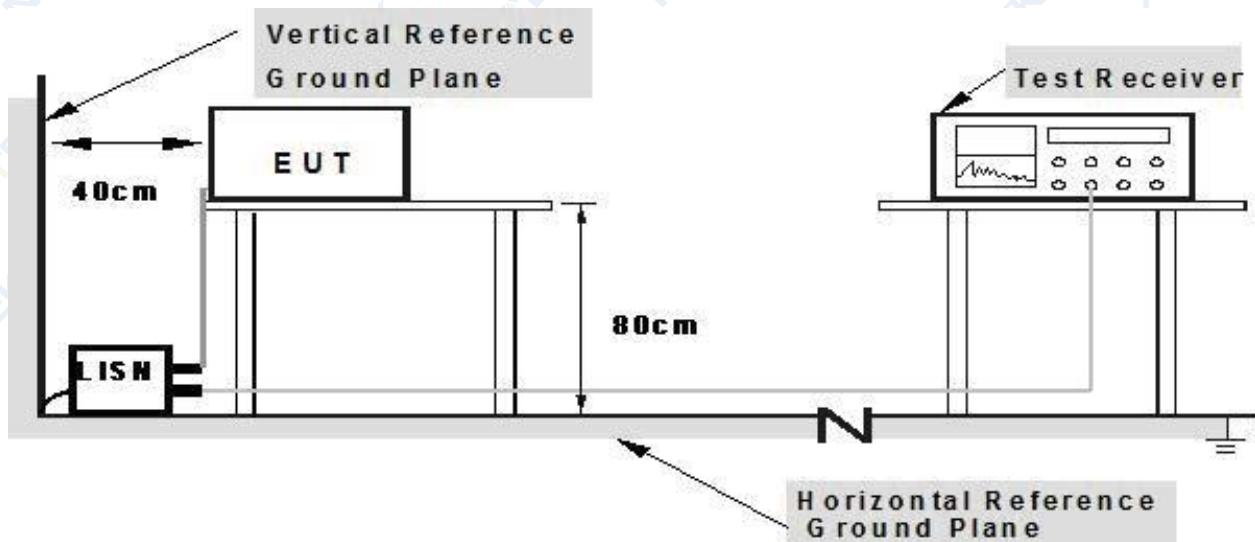
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.1.3 TEST SETUP



Note: 1.Support units were connected to second LISN.

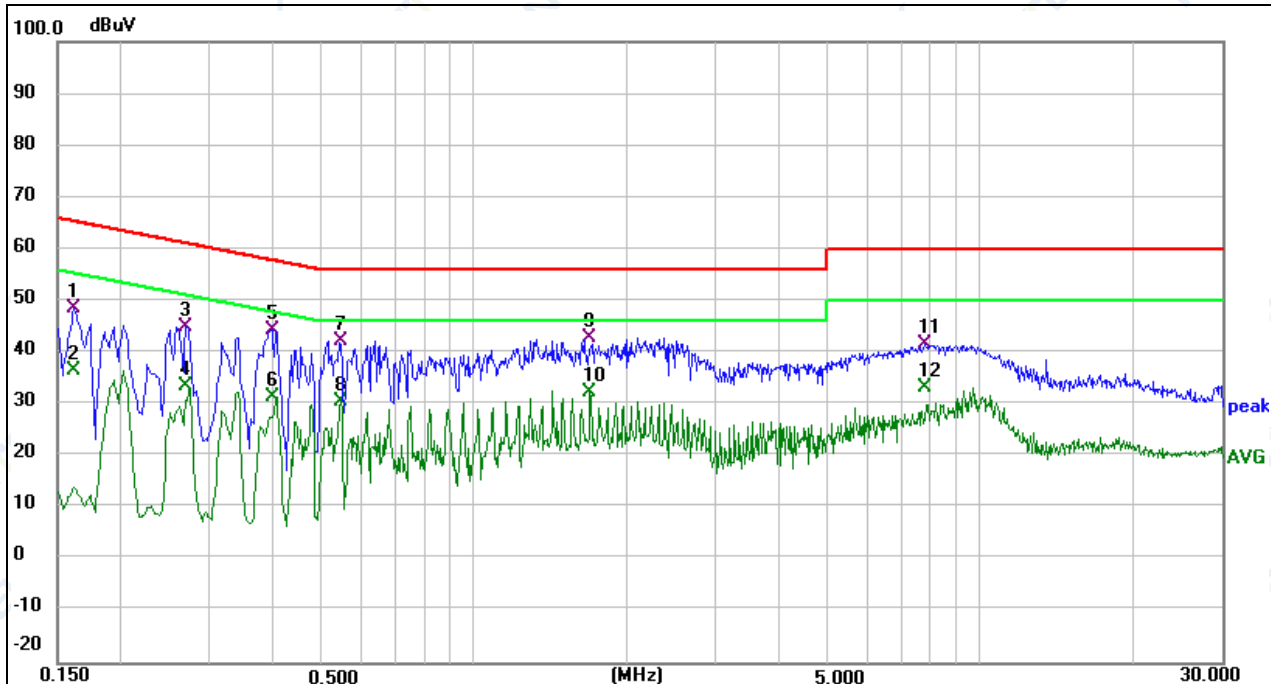
2.Both of LISN s (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

3.1.5 TEST RESULTS

EUT:	Smartphone	Model Name:	KINGKONG 9
Temperature:	25.9°C	Relative Humidity:	64%
Pressure:	1010hPa	Test Date:	2023-04-19
Test Mode:	Charging + Lighting + TF Playing	Phase:	L
Test Voltage:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1620	38.60	9.95	48.55	65.36	-16.81	QP	P	
2	0.1620	26.65	9.95	36.60	55.36	-18.76	AVG	P	
3	0.2700	34.91	10.18	45.09	61.12	-16.03	QP	P	
4	0.2700	23.51	10.18	33.69	51.12	-17.43	AVG	P	
5	0.3980	34.03	10.44	44.47	57.90	-13.43	QP	P	
6	0.3980	21.05	10.44	31.49	47.90	-16.41	AVG	P	
7	0.5460	31.40	10.75	42.15	56.00	-13.85	QP	P	
8	0.5460	19.70	10.75	30.45	46.00	-15.55	AVG	P	
9 *	1.6980	29.65	13.06	42.71	56.00	-13.29	QP	P	
10	1.6980	19.21	13.06	32.27	46.00	-13.73	AVG	P	
11	7.7620	31.84	9.68	41.52	60.00	-18.48	QP	P	
12	7.7620	23.65	9.68	33.33	50.00	-16.67	AVG	P	

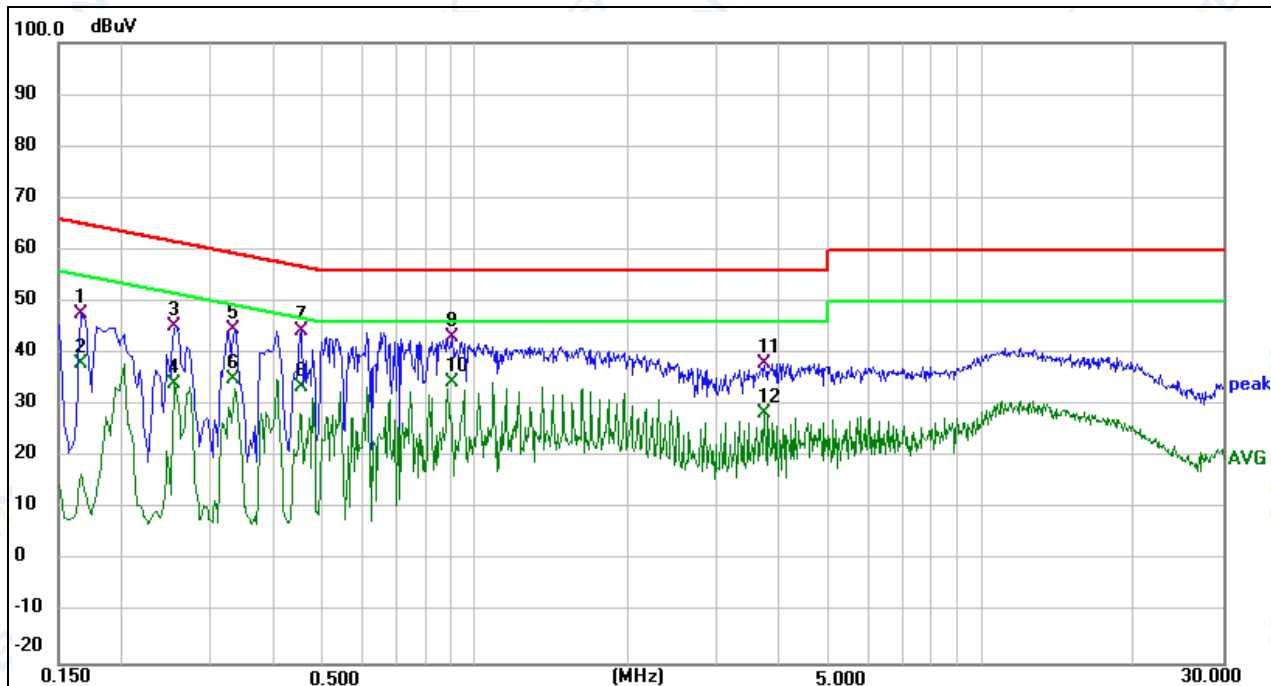
Remark:

Correct Factor = Insertion Loss + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Model Name:	KINGKONG 9
Temperature:	25.9°C	Relative Humidity:	64%
Pressure:	1010hPa	Test Date:	2023-04-19
Test Mode:	Charging + Lighting + TF Playing	Phase:	N
Test Voltage:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1660	37.54	9.97	47.51	65.16	-17.65	QP	P	
2	0.1660	28.22	9.97	38.19	55.16	-16.97	AVG	P	
3	0.2540	35.16	10.14	45.30	61.63	-16.33	QP	P	
4	0.2540	23.96	10.14	34.10	51.63	-17.53	AVG	P	
5	0.3339	34.40	10.30	44.70	59.35	-14.65	QP	P	
6	0.3339	24.61	10.30	34.91	49.35	-14.44	AVG	P	
7	0.4540	33.80	10.55	44.35	56.80	-12.45	QP	P	
8	0.4540	22.93	10.55	33.48	46.80	-13.32	AVG	P	
9	0.9020	31.65	11.46	43.11	56.00	-12.89	QP	P	
10 *	0.9020	23.10	11.46	34.56	46.00	-11.44	AVG	P	
11	3.7340	28.49	9.67	38.16	56.00	-17.84	QP	P	
12	3.7340	18.89	9.67	28.56	46.00	-17.44	AVG	P	

Remark:

Correct Factor = Insertion Loss + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1000MHz)

FREQUENCY (MHz)	At 3m	
	<input type="checkbox"/> Class A (dB μ V/m)	<input checked="" type="checkbox"/> Class B (dB μ V/m)
30 ~ 88	49.5	40.0
88 ~ 216	53.9	43.5
216 ~ 960	56.9	46.0
960 ~ 1000	60.0	54.0

3.2.2 LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	At 3m			
	<input type="checkbox"/> Class A (dB μ V/m)		<input checked="" type="checkbox"/> Class B (dB μ V/m)	
	Average	Peak	Average	Peak
Above 1000	60	80	54	74

Notes:

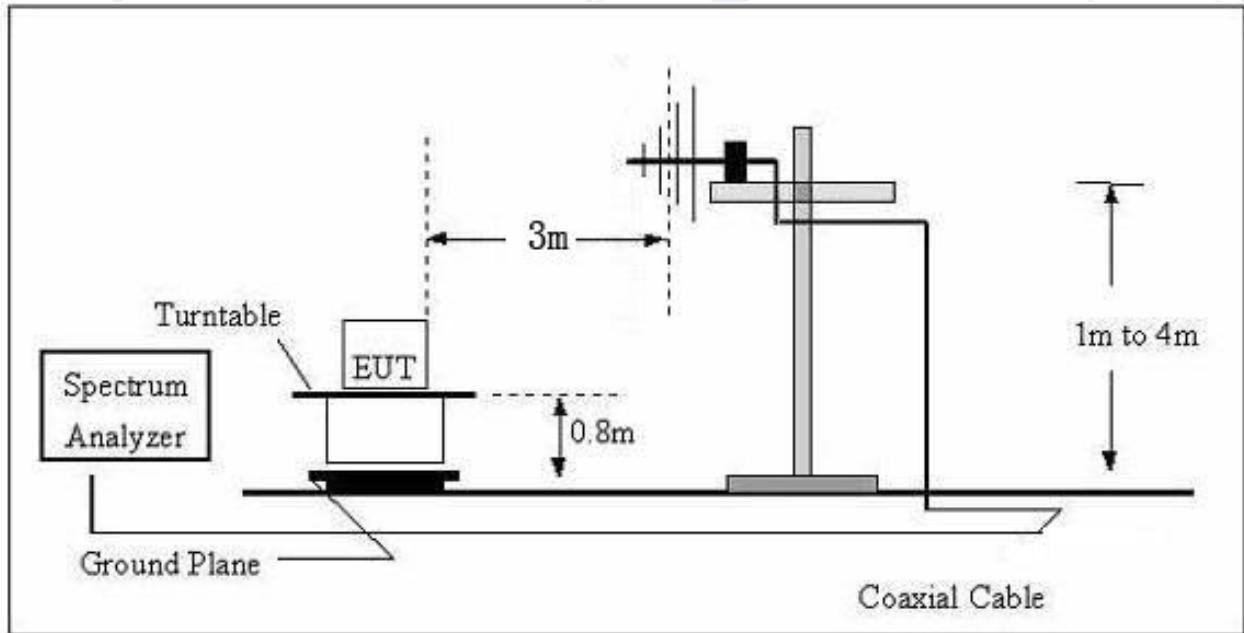
- (1) The limit for radiated test was performed according to as following: FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dB μ V/m)=20log Emission level (μ V/m).

3.2.3 TEST PROCEDURE

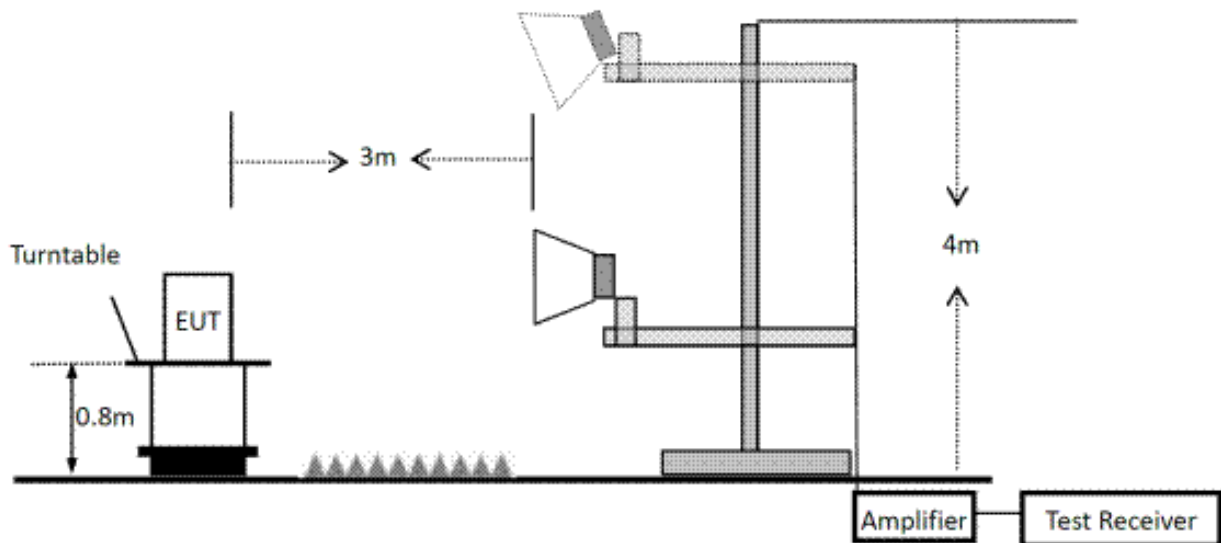
- a. The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter
- b. open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the
- c. test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked
- d. and then Quasi Peak detector mode re-measured, above 1G Average detector mode will be instead.
If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit,
- e. the EUT shall be deemed to meet QP(AV) Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.2.4 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz

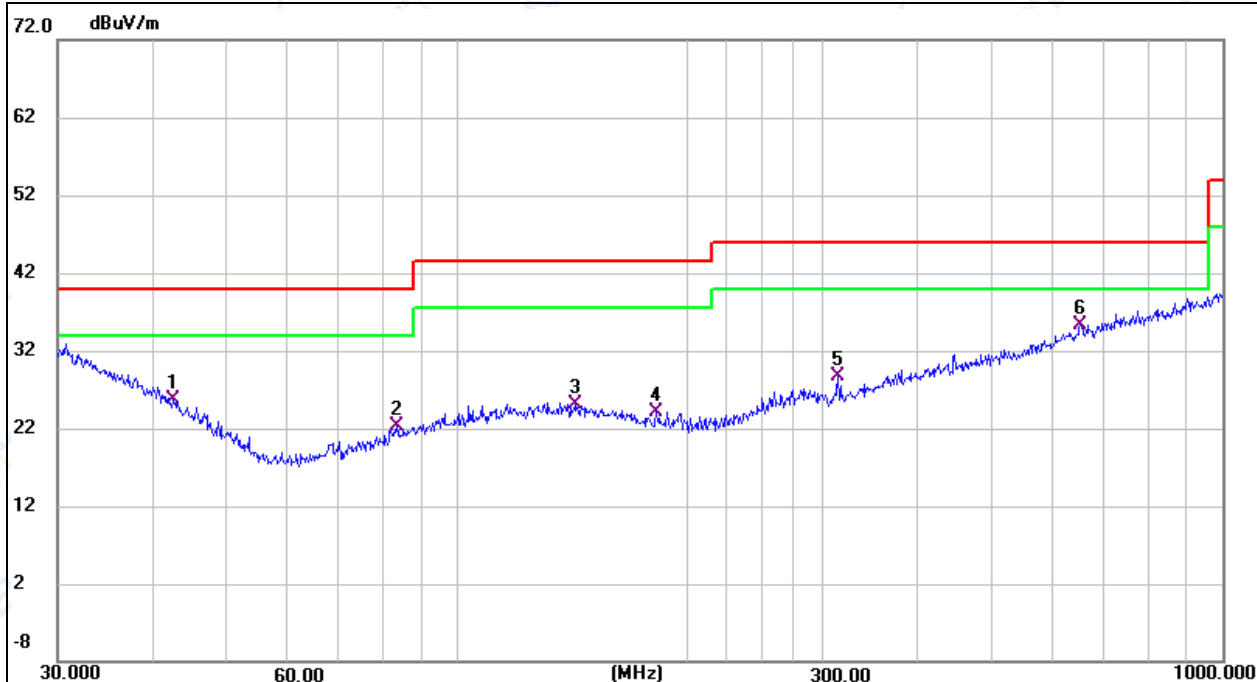


3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.6 TEST RESULTS (30-1000MHz)

EUT:	Smartphone	Model Name:	KINGKONG 9
Temperature:	25.2°C	Relative Humidity:	52%
Pressure:	1010hPa	Test Date:	2023-04-19
Test Mode:	Charging + Lighting + TF Playing	Polarization:	Horizontal
Test Power:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	42.4508	6.07	19.61	25.68	40.00	-14.32	QP			P	
2	83.2298	6.45	15.82	22.27	40.00	-17.73	QP			P	
3	142.8243	6.40	18.65	25.05	43.50	-18.45	QP			P	
4	181.9202	7.26	16.83	24.09	43.50	-19.41	QP			P	
5	314.3765	8.36	20.40	28.76	46.00	-17.24	QP			P	
6 *	651.9417	8.11	27.22	35.33	46.00	-10.67	QP			P	

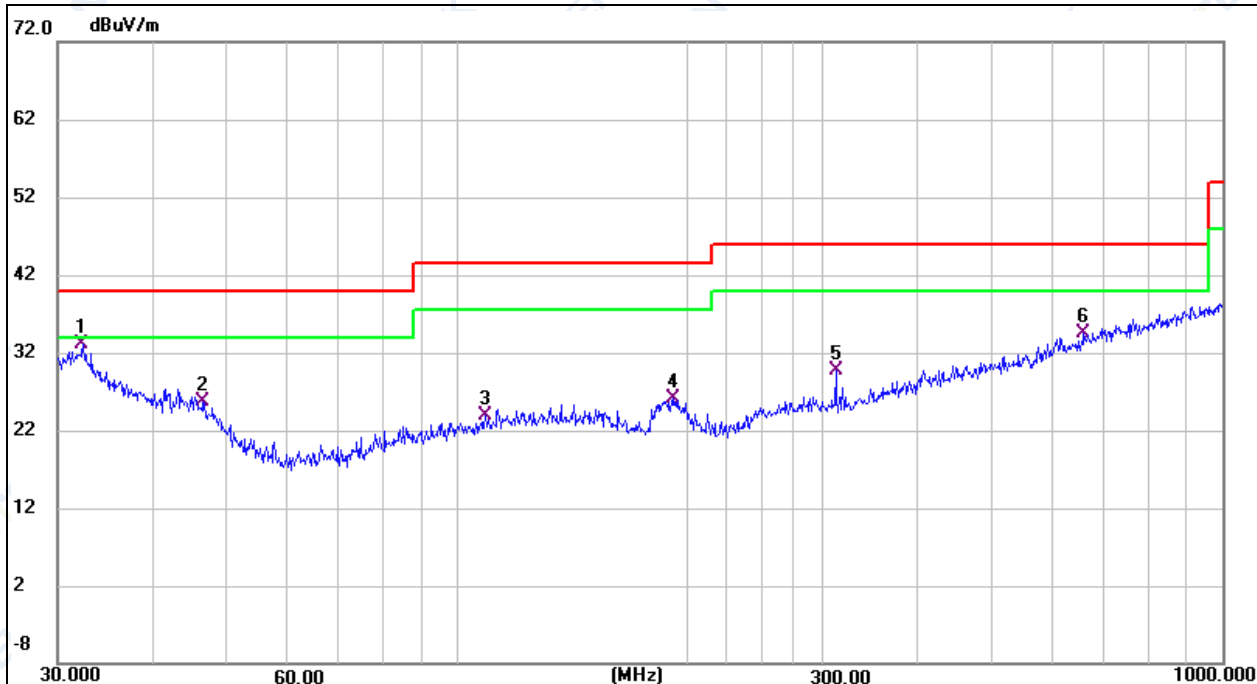
Remark:

Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Model Name:	KINGKONG 9
Temperature:	25.2°C	Relative Humidity:	52%
Pressure:	1010hPa	Test Date:	2023-04-19
Test Mode:	Charging + Lighting + TF Playing	Polarization:	Vertical
Test Power:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	32.4059	8.02	25.13	33.15	40.00	-6.85	QP			P	
2	46.5030	8.34	17.28	25.62	40.00	-14.38	QP			P	
3	108.6470	5.70	18.26	23.96	43.50	-19.54	QP			P	
4	191.7450	9.58	16.44	26.02	43.50	-17.48	QP			P	
5	312.1794	9.29	20.35	29.64	46.00	-16.36	QP			P	
6	658.8362	7.21	27.37	34.58	46.00	-11.42	QP			P	

Remark:

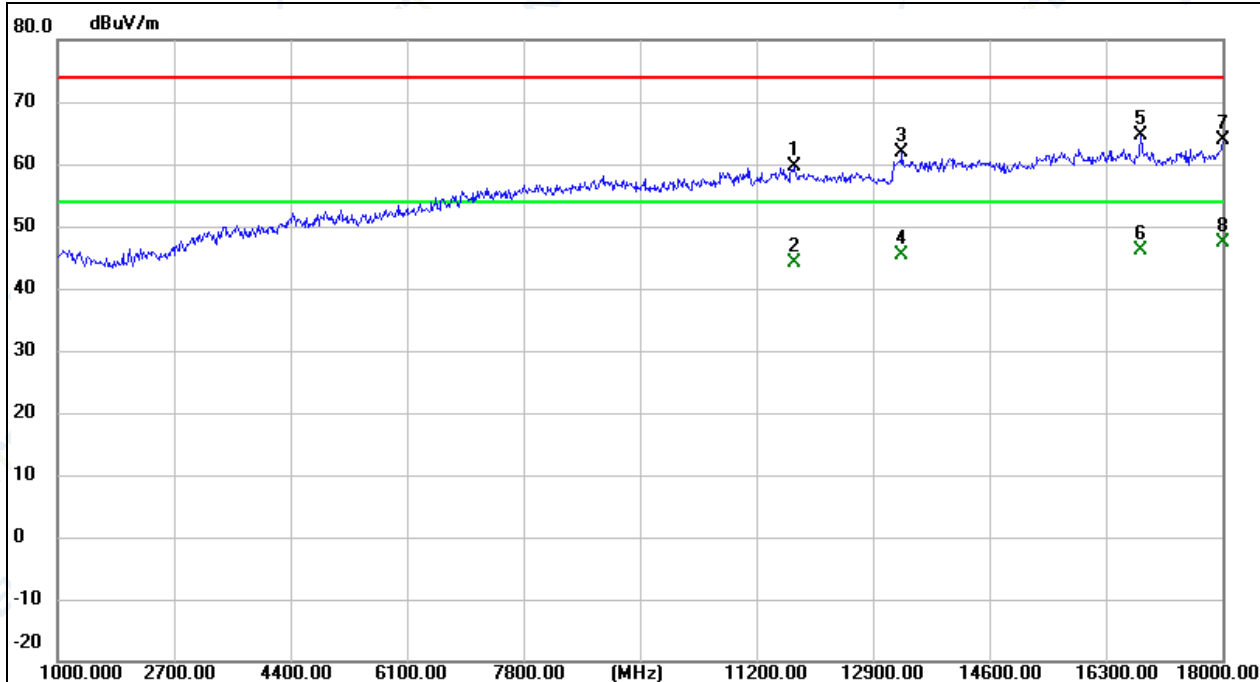
Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

3.2.7 TEST RESULTS (Above 1000MHz)

EUT:	Smartphone	Model Name:	KINGKONG 9
Temperature:	25.3℃	Relative Humidity:	51%
Pressure:	1010hPa	Test Date:	2023-04-18
Test Mode:	Charging + Lighting + TF Playing	Polarization:	Horizontal
Test Power:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	11744.000	32.88	26.72	59.60	74.00	-14.40	peak			P	
2	11744.000	17.45	26.72	44.17	54.00	-9.83	AVG			P	
3	13325.000	33.18	28.59	61.77	74.00	-12.23	peak			P	
4	13325.000	16.79	28.59	45.38	54.00	-8.62	AVG			P	
5	16810.000	37.15	27.41	64.56	74.00	-9.44	peak			P	
6	16810.000	18.81	27.41	46.22	54.00	-7.78	AVG			P	
7	18000.000	32.79	31.09	63.88	74.00	-10.12	peak			P	
8 *	18000.000	16.22	31.09	47.31	54.00	-6.69	AVG			P	

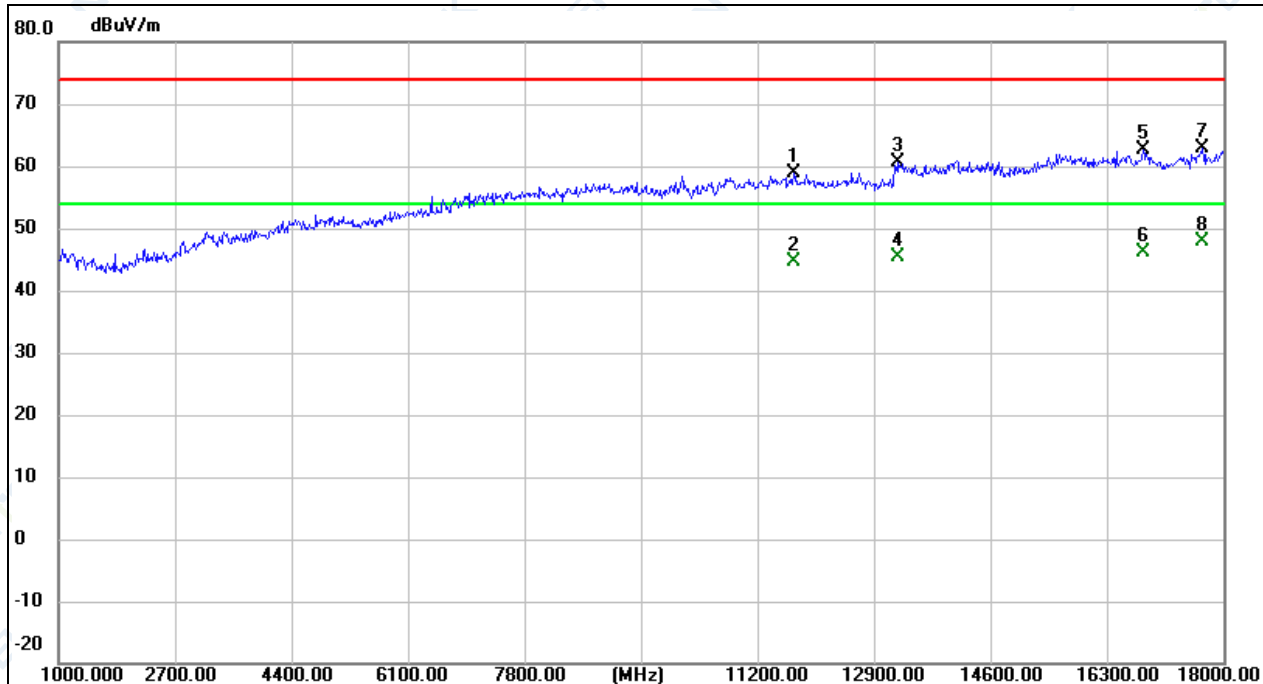
Remark:

Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Model Name:	KINGKONG 9
Temperature:	25.3°C	Relative Humidity:	51%
Pressure:	1010hPa	Test Date:	2023-04-18
Test Mode:	Charging + Lighting + TF Playing	Polarization:	Vertical
Test Power:	AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	11727.000	32.27	26.71	58.98	74.00	-15.02	peak			P	
2	11727.000	17.87	26.71	44.58	54.00	-9.42	AVG			P	
3	13240.000	31.99	28.53	60.52	74.00	-13.48	peak			P	
4	13240.000	16.80	28.53	45.33	54.00	-8.67	AVG			P	
5	16827.000	35.31	27.40	62.71	74.00	-11.29	peak			P	
6	16827.000	18.82	27.40	46.22	54.00	-7.78	AVG			P	
7	17694.000	33.57	29.23	62.80	74.00	-11.20	peak			P	
8 *	17694.000	18.66	29.23	47.89	54.00	-6.11	AVG			P	

Remark:

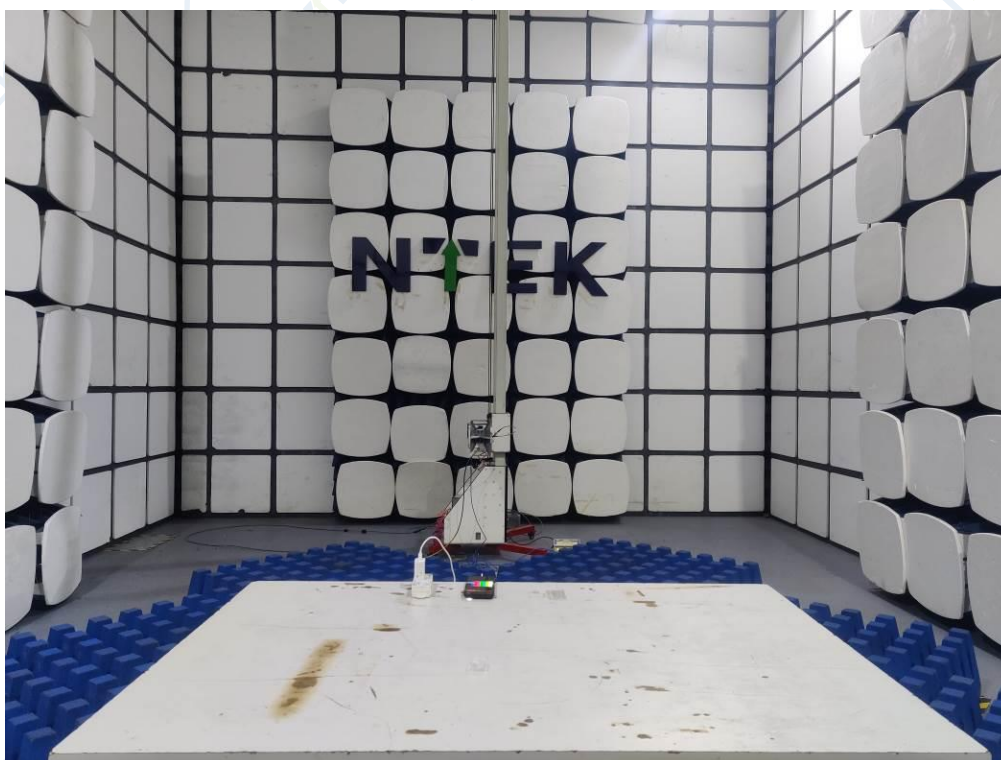
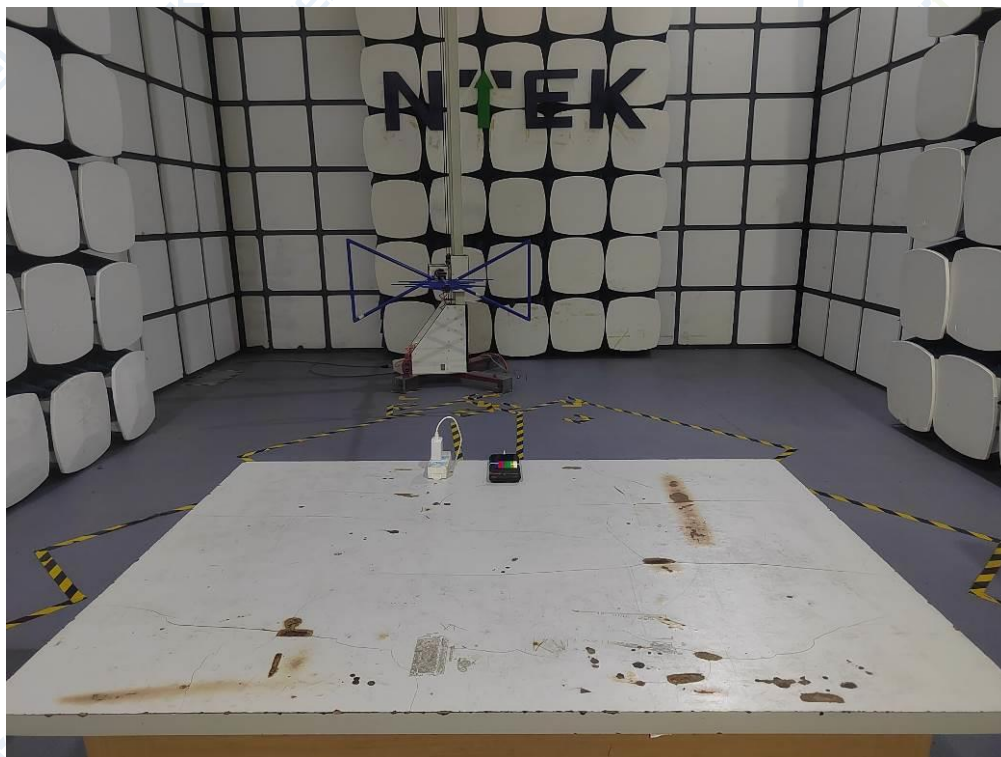
Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

4. EUT TEST PHOTO

Radiated Measurement Photo



Conducted Measurement Photo



ATTACHMENT PHOTOGRAPHS OF EUT

Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7

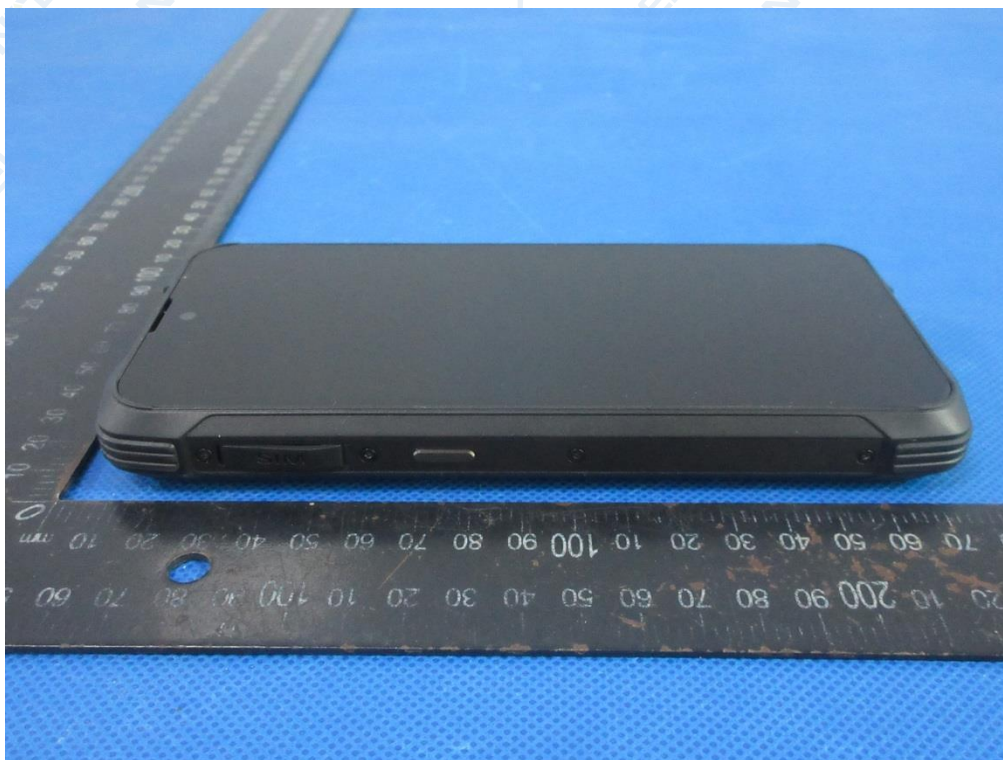


Photo 8



Photo 9

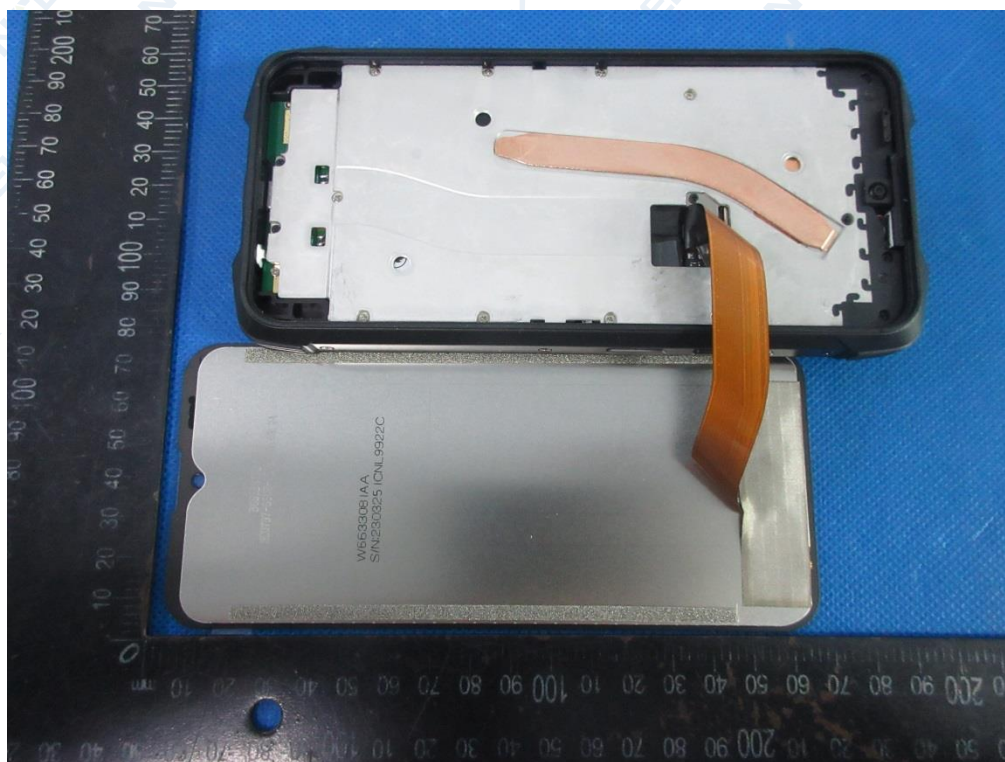


Photo 10

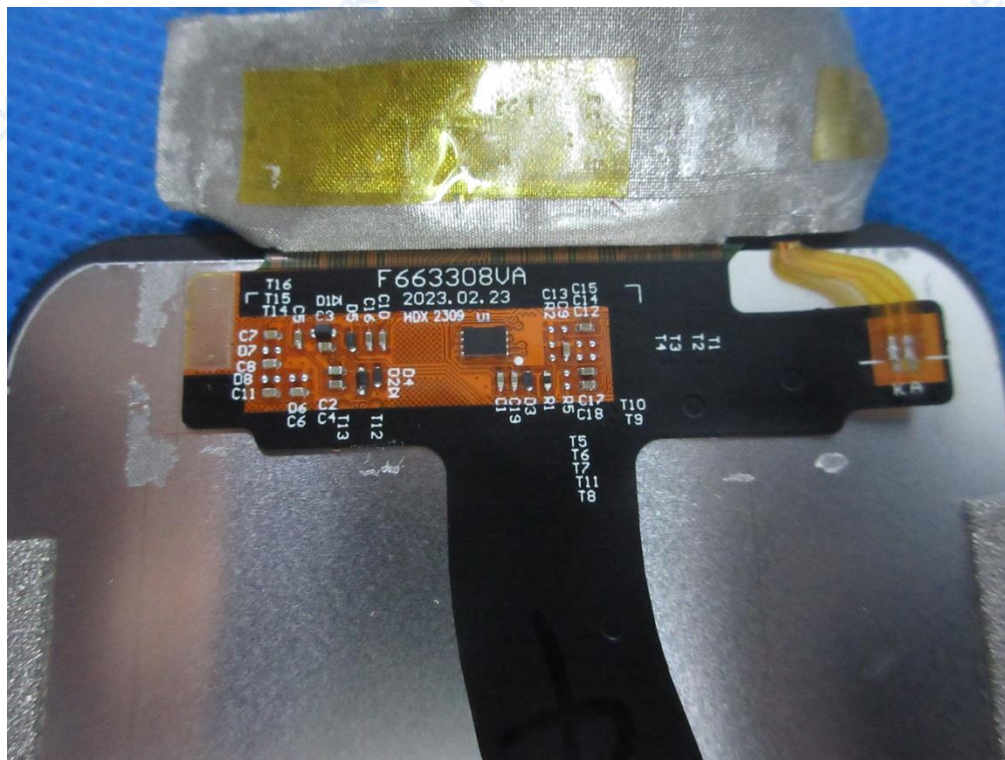


Photo 11

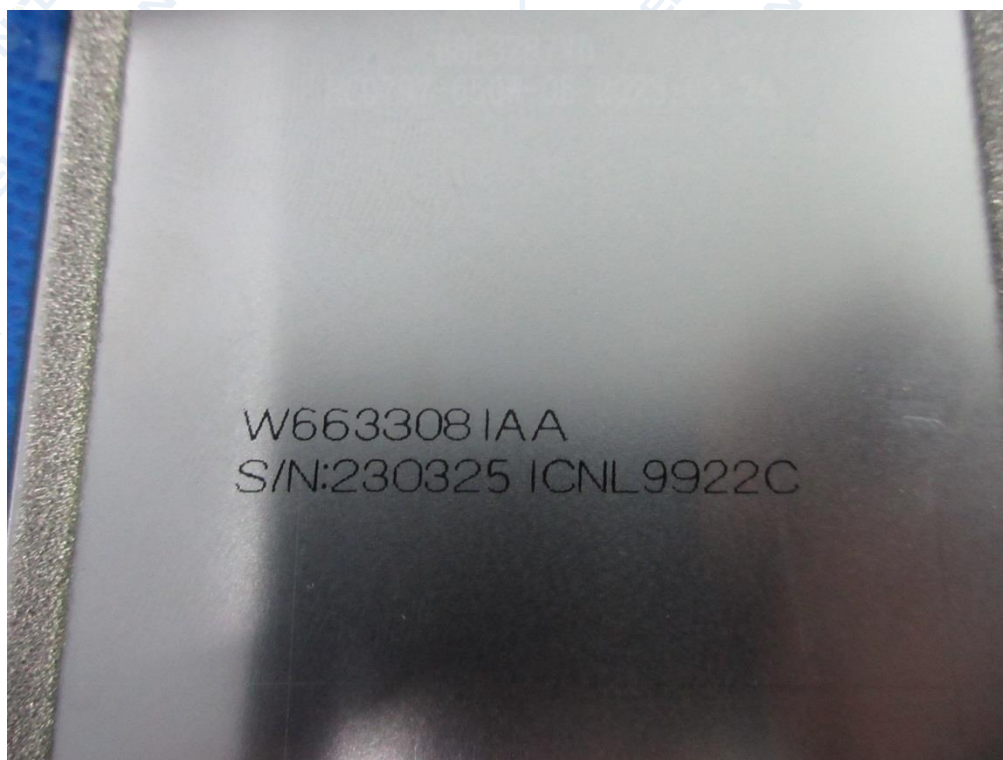


Photo 12



Photo 13



Photo 14



Photo 15

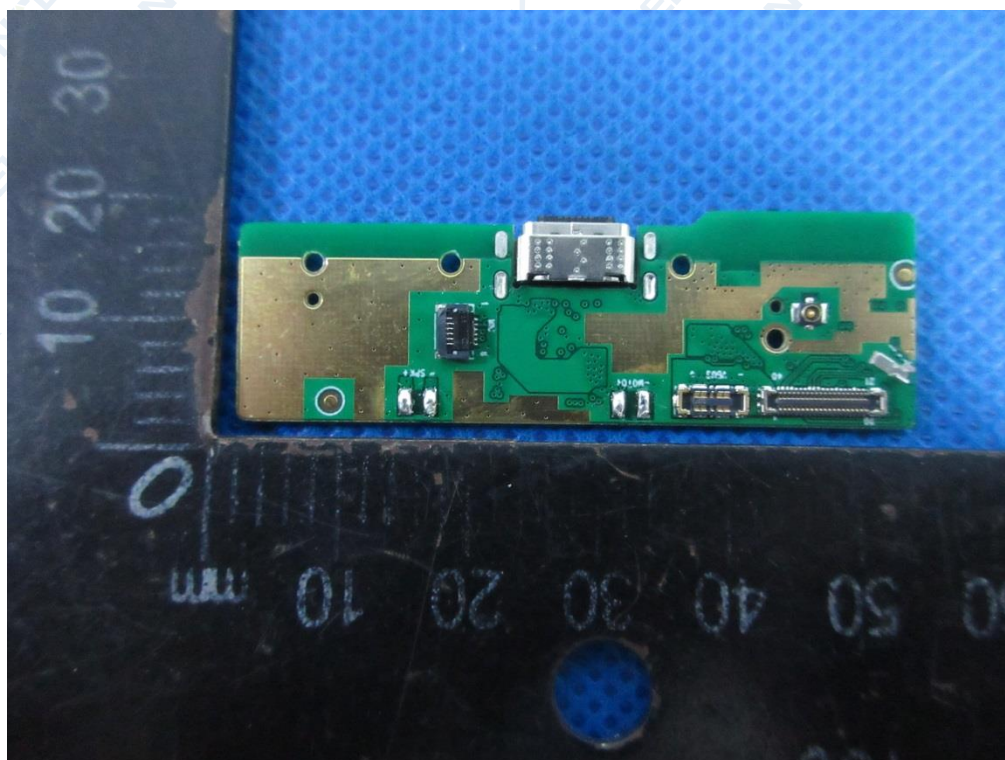


Photo 16

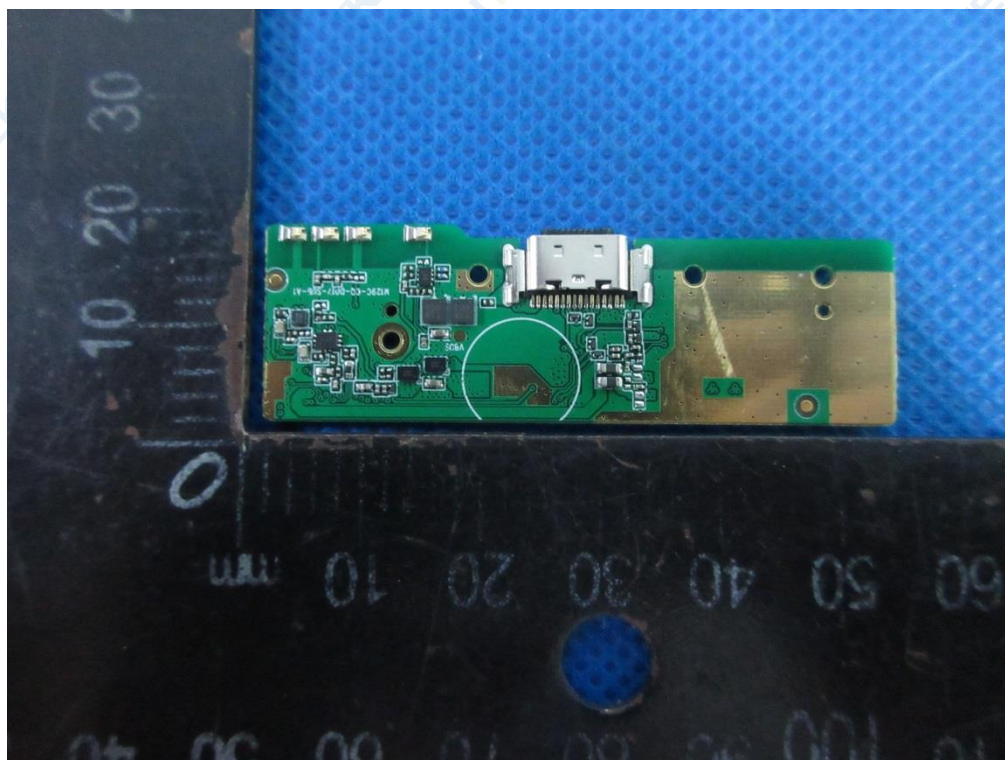


Photo 17

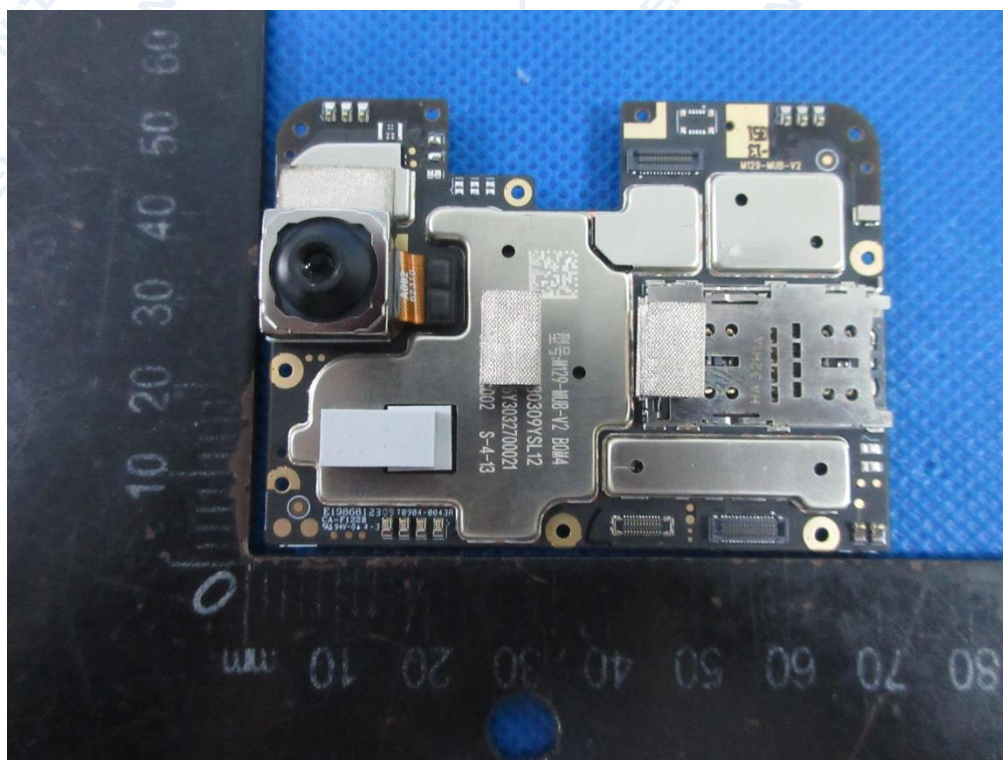


Photo 18

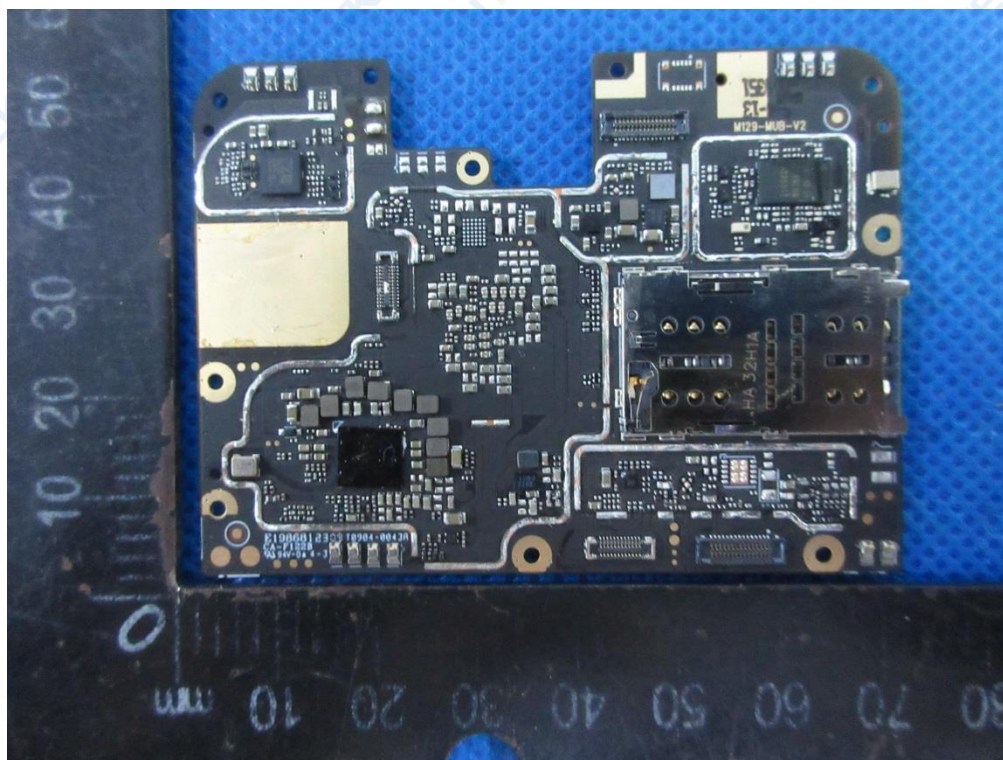


Photo 19

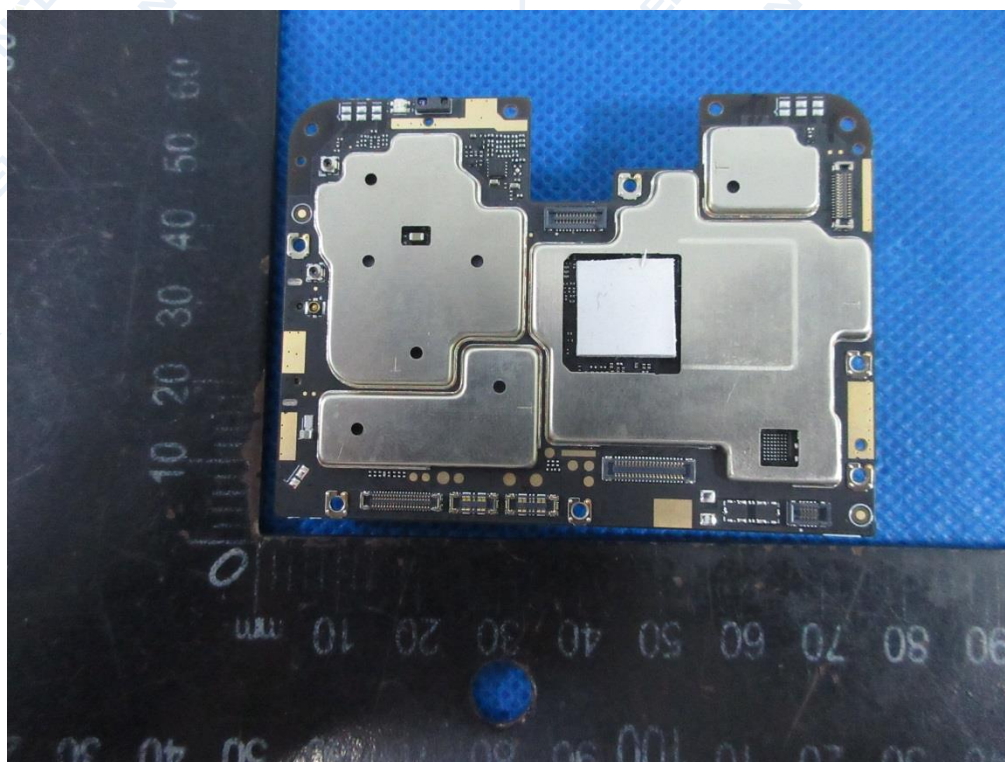


Photo 20

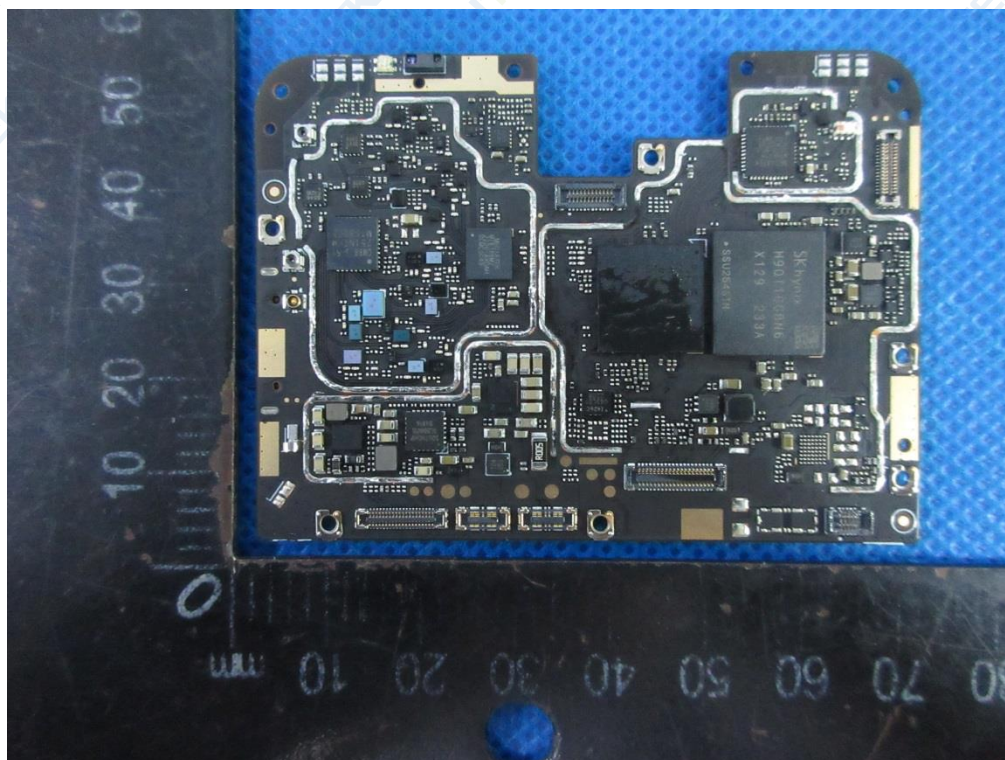
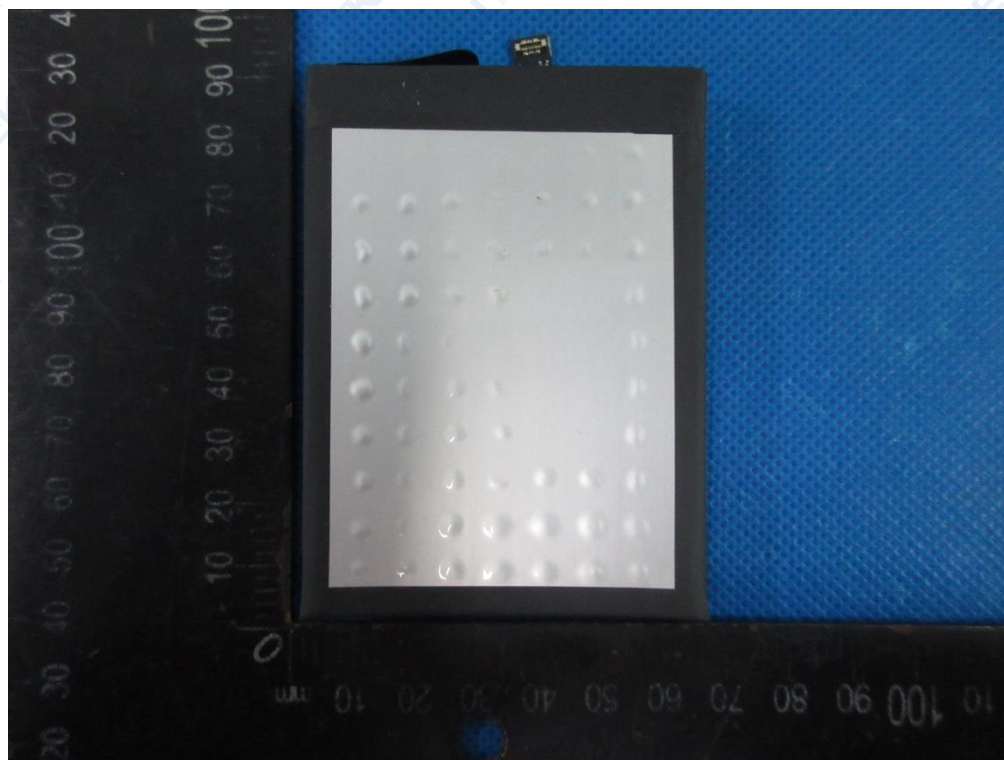


Photo 21



Photo 22



----- End of Report -----