

FCC EMC Test Report



Subject to
Supplier's Declaration of Conformity
Procedure

Product Name : Smartphone
Trade Mark : CUBOT
Model Number(s) : KINGKONG Dura
Additional Model Number(s) : KINGKONG Dura 3, KINGKONG Dura Pro, A50,
A60, NOTE 70, NOTE 80, P100

Prepared for

Shenzhen Huafurui Technology Co., Ltd.
Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road,
Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.
No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen,
Guangdong, China
Tel.: 0755-2320 0050 Website: <http://www.ntek.org.cn>

TEST RESULT CERTIFICATION

Applicant's Name : Shenzhen Huafurui Technology Co., Ltd.
Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building,
Address..... : No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street,
Longgang District, Shenzhen, P.R. China
Manufacturer's Name..... : Shenzhen Huafurui Technology Co., Ltd.
Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building,
Address..... : No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street,
Longgang District, Shenzhen, P.R. China

Product description

Product Name : Smartphone
Model Number(s) : KINGKONG Dura
Additional Model : KINGKONG Dura 3, KINGKONG Dura Pro, A50, A60, NOTE 70,
Number(s) : NOTE 80, P100
Standards..... : 47 CFR FCC part 15 subpart B, 10-1-2025
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.

This report shall not be reproduced except in full, without the written approval of NTEK, this document may be altered or revised by NTEK, personal only, and shall be noted in the revision of the document.

Test Sample Number..... : S2605200327-1#
Date of Test :
Date (s) of performance of tests..... : 20 May 2026 ~ 08 Jun. 2026
Date of Issue : 08 Jun. 2026
Test Result : **Pass**

Testing Engineer

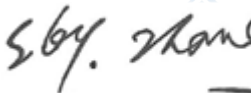
:



(Korka Lin)

Technical Manager

:



(Sky Zhang)

Authorized Signatory

:



(Alex)

Table of Contents

Page

1 . TEST SUMMARY	4
1.1 TEST FACILITY	4
1.2 MEASUREMENT UNCERTAINTY	4
2 . GENERAL INFORMATION	6
2.1 GENERAL DESCRIPTION OF EUT	6
2.2 ENVIRONMENTAL CONDITIONS	7
2.3 DESCRIPTION OF TEST MODES	7
2.4 DESCRIPTION OF TEST SETUP	8
2.5 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL	8
2.6 MEASUREMENT INSTRUMENTS LIST	9
2.7 MEASUREMENT SOFTWARE	10
3 . EMC EMISSION TEST	11
3.1 CONDUCTED EMISSION MEASUREMENT	11
3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150kHz-30MHz)	11
3.1.2 TEST PROCEDURE	11
3.1.3 TEST SETUP	11
3.1.4 EUT OPERATING CONDITIONS	11
3.1.5 TEST RESULTS	12
3.2 RADIATED EMISSION MEASUREMENT	18
3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1000MHz)	18
3.2.2 LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)	18
3.2.3 TEST PROCEDURE	18
3.2.4 TEST SETUP	19
3.2.5 EUT OPERATING CONDITIONS	19
3.2.6 TEST RESULTS (30-1000MHz)	20
3.2.7 TEST RESULTS (Above 1000MHz)	26
4 . EUT TEST PHOTO	30
ATTACHMENT PHOTOGRAPHS OF EUT	35

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, 10-1-2025 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

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd.

Add. : Building 1/2/11/12, No. 24 Xinfu East Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, 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

ISED-Registration : The Company Number: 9270A.
CAB identifier: 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	0.15MHz ~ 30MHz	2	3.3
Radiated Emission(#1)	30MHz ~ 1000MHz	2	4.9
Radiated Emission(#1)	1000MHz ~ 18000MHz	2	5.1
Radiated Emission(#2)	30MHz ~ 1000MHz	2	5.0
Radiated Emission(#2)	1000MHz ~ 18000MHz	2	5.1

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product Name	Smartphone	
Model Number(s)	KINGKONG Dura	
Additional Model Number(s)	KINGKONG Dura 3, KINGKONG Dura Pro, A50, A60, NOTE 70, NOTE 80, P100	
Model Difference	All models are identical except appearance. Full tests performed on model KINGKONG Dura.	
Product Description	The EUT is a Smartphone.	
	Operating frequency:	2.2 GHz (Declaration by Manufacturer)
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 1 : TPD-203A120167UF01 Adapter Rating: Input: AC 100-240V, 50/60Hz, 0.6A. Output: USB-C: DC 5.0V=3.0A / 9.0V=2.22A / 12.0V=1.67A	
	Adapter Model 2 : HJ-PD18W-US Adapter Rating: Input: AC 100-240V, 50/60Hz, 0.6A. Output: DC 5.0V=3.0A, 15.0W / 9.0V=2.0A, 18.0W / 12.0V=1.5A, 18.0W Max Battery Rating: DC 3.87V, 4850mAh, 18.77Wh	

2.2 ENVIRONMENTAL CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

Temperature(°C):	20.4 ~ 24.5
Humidity(%RH):	53.8 ~ 55.8
Atmospheric pressure(kPa):	101

2.3 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible 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(Front)
Mode 3	Charging + Lighting + REC(Rear)
Mode 4	Charging the Battery
Mode 5	Data Transmission

For Conducted Test

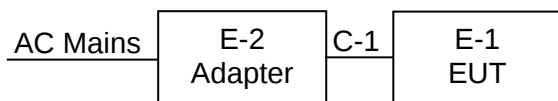
Final Test Mode	Description
Mode 1	Charging + Lighting + TF Playing
Mode 2	Charging + Lighting + REC(Front)
Mode 3	Charging + Lighting + REC(Rear)
Mode 4	Charging the Battery
Mode 5	Data Transmission

For Radiated Test

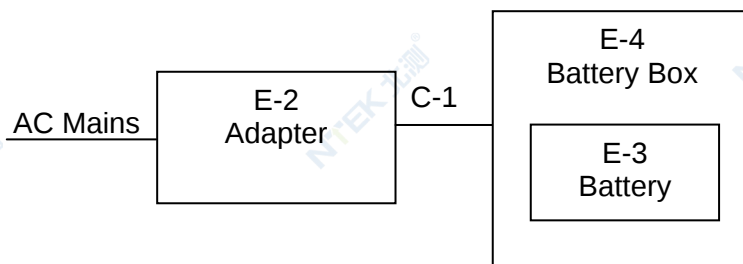
Final Test Mode	Description
Mode 1	Charging + Lighting + TF Playing
Mode 2	Charging + Lighting + REC(Front)
Mode 3	Charging + Lighting + REC(Rear)
Mode 4	Charging the Battery
Mode 5	Data Transmission

2.4 DESCRIPTION OF TEST SETUP

Charging + Lighting + TF Playing:



Charging the Battery:



2.5 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	Trade Mark	Model/Type No.	Series No.	Note
E-1	Smartphone	CUBOT	KINGKONG Dura	N/A	EUT
E-2	Adapter 1	N/A	TPD-203A120167UF01	N/A	EUT
	Adapter 2	N/A	HJ-PD18W-US	N/A	EUT
E-3	Battery	N/A	C67	N/A	EUT
E-4	Battery Box	N/A	N/A	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note
C-1	YES	YES	95cm	

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".

2.6 MEASUREMENT INSTRUMENTS LIST

2.6.1 CONDUCTED TEST

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Low Frequency Cable	/	R-03	/	2027/4/24
2	50Ω Coaxial Switch	Anritsu	MP59B	6200983704	2027/4/25
3	Single Phase LISN	R&S	ENV216	101313	2027/4/7
4	Single Phase LISN	R&S	ENV216	101490	2027/4/7
5	Single Phase LISN	R&S	ENV216	102849	2027/4/7
6	Single Phase LISN	R&S	ENV216	102827	2027/4/7
7	Three-Phase LISN	SCHWARZBECK	NNLK 8129	8129245	2027/4/7
8	EMI Test Receiver	R&S	ESCI	101160	2027/4/7
9	EMI Test Receiver	R&S	ESR7	102679	2027/4/7
10	EMI Test Receiver	R&S	ESPI3	100145	2027/4/7
11	EMI Test Receiver	R&S	ESPI3	101417	2026/7/22
12	DC-AMN LISN	SCHWARZBECK	PVDC 8301	8301-00117	2027/4/7

2.6.2 RADIATED TEST

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	3M Semi Anechoic Chamber	/	9*6*6	LES-318-C	2027/6/6
2	3M Semi Anechoic Chamber	/	9*6*6	LES-411-C	2027/6/17
3	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2027/4/25
4	EMI Test Receiver	R&S	ESCI	101160	2027/4/7
5	EMI Test Receiver	R&S	ESR7	102679	2027/4/7
6	EMI Test Receiver	R&S	ESPI3	100145	2027/4/7
7	EMI Test Receiver	R&S	ESPI3	101417	2026/7/22
8	Attenuator	Eastsheep	5W-N-JK-6G-6DB	/	2027/4/7
9	Attenuator	Eastsheep	5W-N-JK-6G-6DB	1#	2026/7/10
10	Attenuator	Eastsheep	5W-N-JK-6G-6DB	2#	2026/7/10
11	Attenuator	Eastsheep	5W-N-JK-6G-6DB	3#	2026/7/10
12	Cable	Talent Microwave	A81-NWMSMAM-1 2M	21120897	2027/4/25
13	Cable	Talent Microwave	A81-NMNM-10M	22084896	2027/4/25
14	Cable	Talent Microwave	A81-NMNM-2M	22084895	2027/4/25
15	Cable	Talent Microwave	A50-NMNM-2M	22084884	2027/4/25
16	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	584	2027/4/10
17	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	586	2027/4/17
18	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	675	2027/4/24
19	Log-Periodic Antenna	SCHWARZBECK	VULB 9168	1742	2026/10/31
20	Broadband Horn Antenna	EM	EM-AH-10180	2011071402	2027/5/11
21	Broadband Horn Antenna	SCHWARZBECK	BBHA 9120 D	2816	2027/5/17
22	Broadband Horn Antenna	SCHWARZBECK	BBHA 9120 D	2817	2027/5/11
23	Spectrum Analyzer	Agilent	E4440A	MY41000130	2027/4/14
24	Spectrum Analyzer	Keysight	N9020A	MY53280244	2027/4/14
25	Pre-Amplifier	EMC	EMC051835SE	980246	2027/4/7
26	PREAMPLIFIER	Agilent	8449B	30008A01520	2027/4/7
27	Low Noise Amplifier	B&Z	BZ-P540-550850-4 52727	16476-11729	2027/4/15
28	Cable	Keysight	A40-2/92M2/92M-2 M	1808041	2027/4/25

2.7 MEASUREMENT SOFTWARE

CONDUCTED TEST		
Software name	Manufacturer	Version number
EZ-EMC_CE	Farad	AIT-03A
RADIATED TEST		
Software name	Manufacturer	Version number
EZ-EMC_RE	Farad	EMEC-3A1+

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency Range (MHz)	☐ Class A (dBμV)		☒ Class B (dBμV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 - 5.0	73.00	60.00	56.00	46.00
5.0 - 30.0	73.00	60.00	60.00	50.00

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.

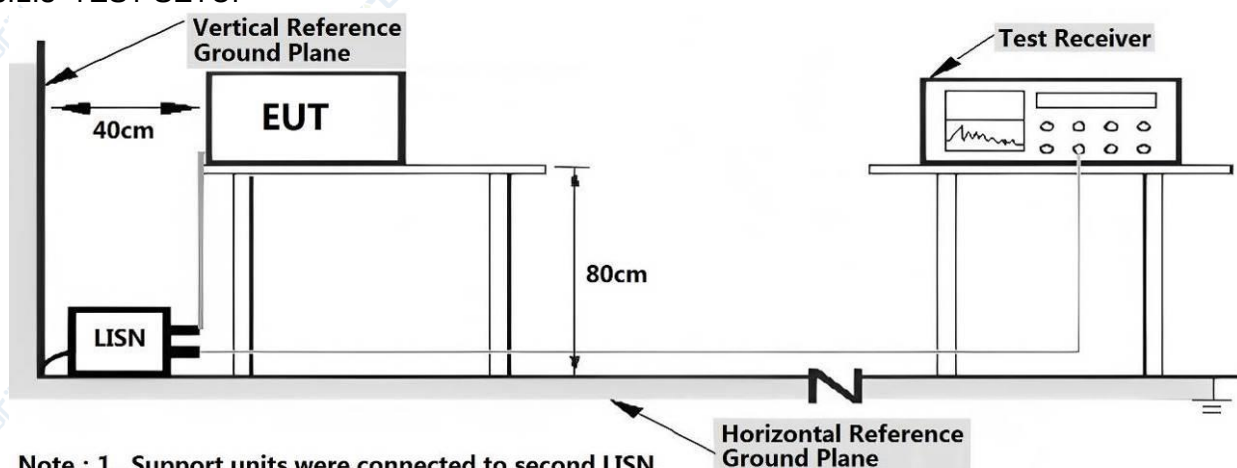
The following table is the setting of the receiver

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

3.1.2 TEST PROCEDURE

- a. 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.
- b. 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.
- c. 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.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. 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.

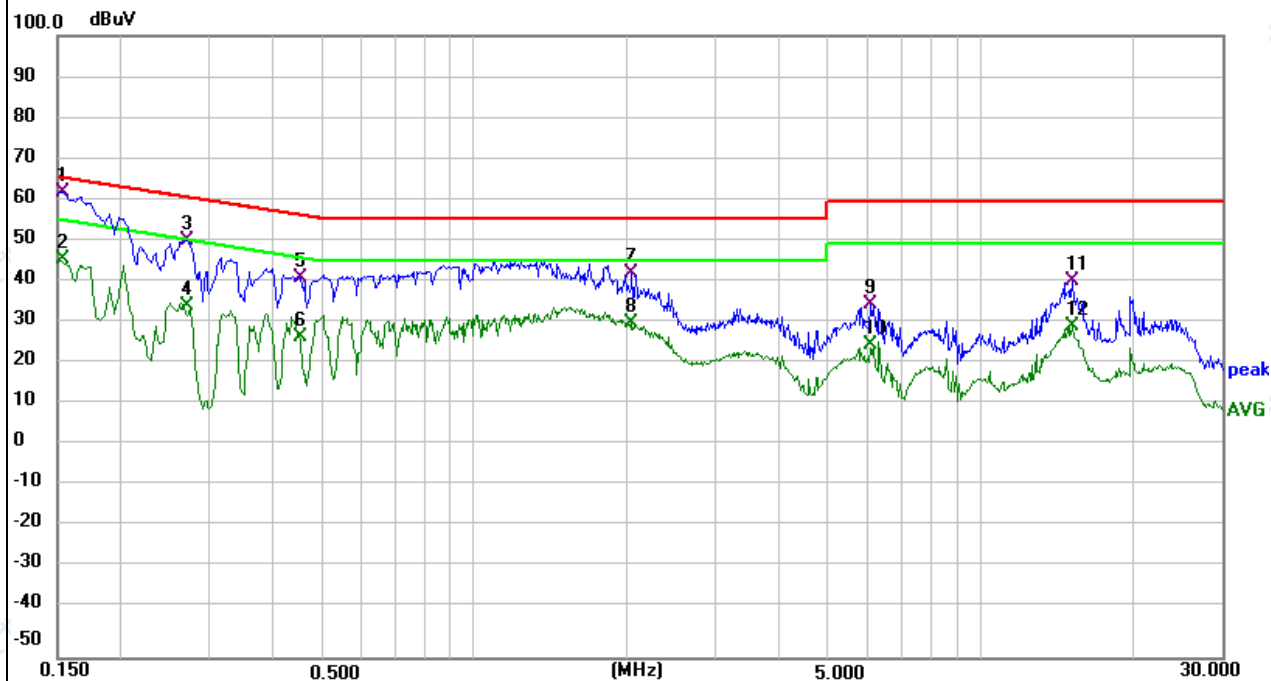
2. Both of LISNs(AMN) are 80cm from EUT and at least 80 from other units and other metal planes.

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	Test Model:	KINGKONG Dura
Test Mode:	5	Phase:	L
Test Voltage:	DC 5V powered by Notebook AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1539	41.85	20.35	62.20	65.79	-3.59	QP	P	
2	0.1539	25.88	20.35	46.23	55.79	-9.56	AVG	P	
3	0.2700	30.32	20.51	50.83	61.12	-10.29	QP	P	
4	0.2700	14.58	20.51	35.09	51.12	-16.03	AVG	P	
5	0.4540	21.30	20.46	41.76	56.80	-15.04	QP	P	
6	0.4540	6.86	20.46	27.32	46.80	-19.48	AVG	P	
7	2.0540	22.63	20.27	42.90	56.00	-13.10	QP	P	
8	2.0540	10.37	20.27	30.64	46.00	-15.36	AVG	P	
9	6.0860	14.82	20.32	35.14	60.00	-24.86	QP	P	
10	6.0860	5.20	20.32	25.52	50.00	-24.48	AVG	P	
11	15.2100	20.44	20.50	40.94	60.00	-19.06	QP	P	
12	15.2100	9.65	20.50	30.15	50.00	-19.85	AVG	P	

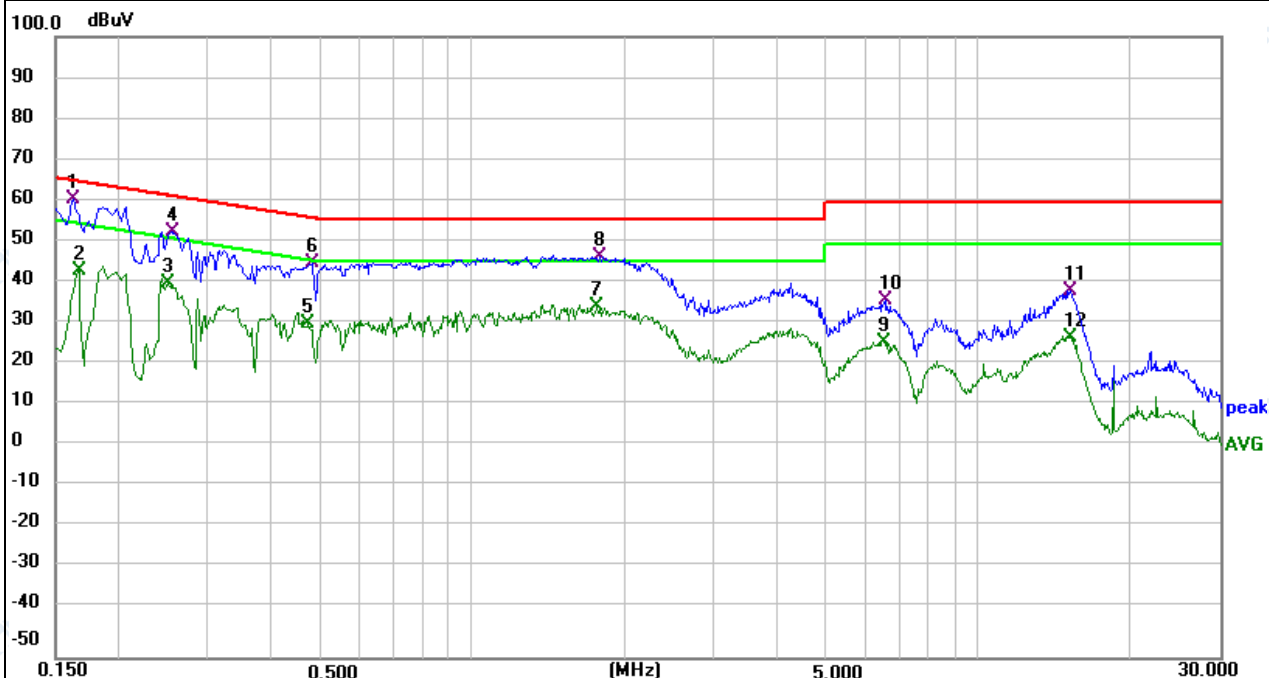
Remark:

Correct Factor = Insertion Loss + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	5	Phase:	N
Test Voltage:	DC 5V powered by Notebook AC 120V/60Hz		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1620	40.35	20.38	60.73	65.36	-4.63	QP	P	
2	0.1660	23.19	20.37	43.56	55.16	-11.60	AVG	P	
3	0.2500	20.13	20.47	40.60	51.76	-11.16	AVG	P	
4	0.2540	32.43	20.48	52.91	61.63	-8.72	QP	P	
5	0.4740	10.42	20.40	30.82	46.44	-15.62	AVG	P	
6	0.4820	25.03	20.40	45.43	56.30	-10.87	QP	P	
7	1.7660	14.52	20.26	34.78	46.00	-11.22	AVG	P	
8	1.7860	26.80	20.26	47.06	56.00	-8.94	QP	P	
9	6.5020	6.21	20.24	26.45	50.00	-23.55	AVG	P	
10	6.5540	16.38	20.24	36.62	60.00	-23.38	QP	P	
11	15.1660	18.37	20.43	38.80	60.00	-21.20	QP	P	
12	15.1660	7.16	20.43	27.59	50.00	-22.41	AVG	P	

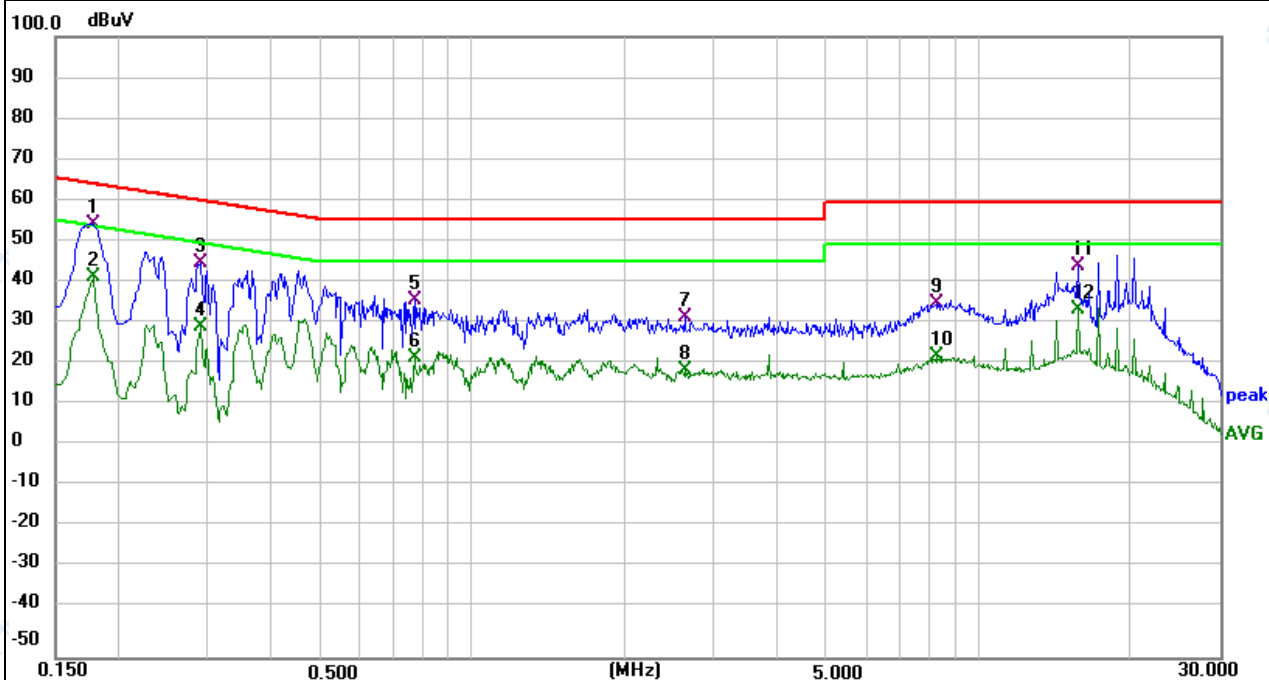
Remark:

Correct Factor = Insertion Loss + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	1	Phase:	L
Test Voltage:	AC 120V/60Hz(Adapter 1)		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1780	34.50	20.40	54.90	64.58	-9.68	QP	P	
2	0.1780	21.68	20.40	42.08	54.58	-12.50	AVG	P	
3	0.2900	24.87	20.53	45.40	60.52	-15.12	QP	P	
4	0.2900	9.60	20.53	30.13	50.52	-20.39	AVG	P	
5	0.7700	16.08	20.43	36.51	56.00	-19.49	QP	P	
6	0.7700	2.14	20.43	22.57	46.00	-23.43	AVG	P	
7	2.6260	12.15	20.27	32.42	56.00	-23.58	QP	P	
8	2.6260	-0.63	20.27	19.64	46.00	-26.36	AVG	P	
9	8.2620	15.22	20.33	35.55	60.00	-24.45	QP	P	
10	8.2620	2.46	20.33	22.79	50.00	-27.21	AVG	P	
11	15.7740	24.24	20.49	44.73	60.00	-15.27	QP	P	
12	15.7740	13.73	20.49	34.22	50.00	-15.78	AVG	P	

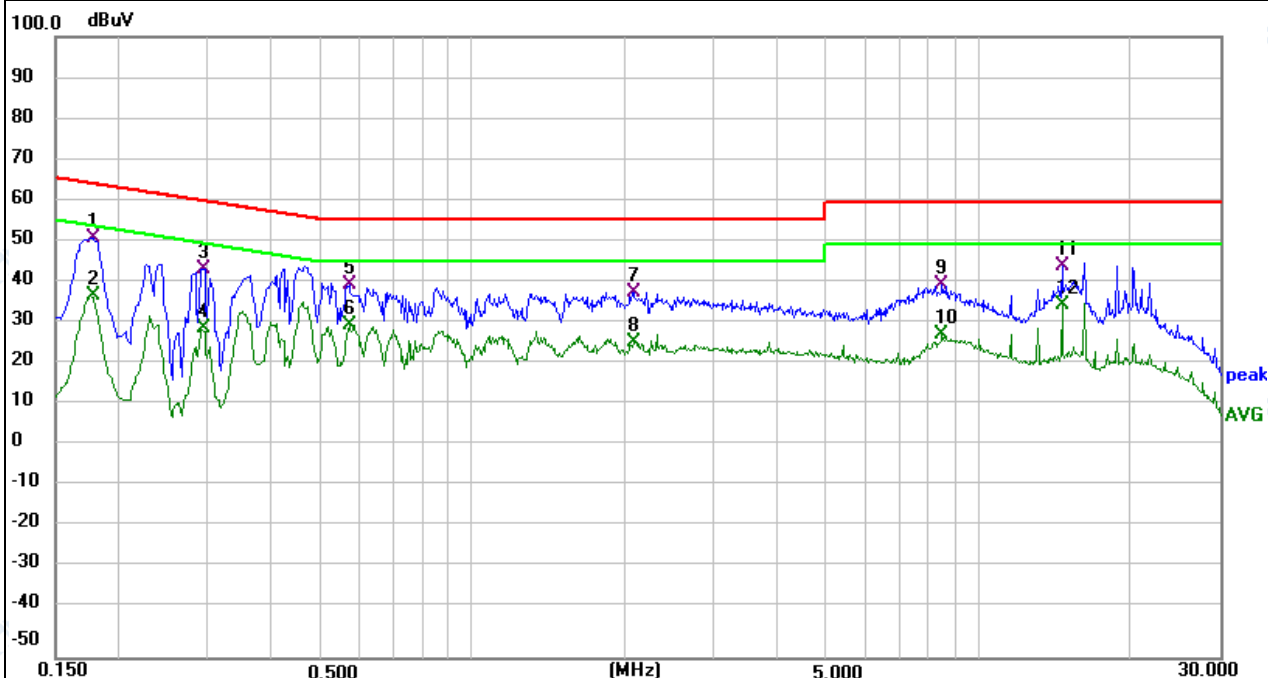
Remark:

Correct Factor = Insertion Loss + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	1	Phase:	N
Test Voltage:	AC 120V/60Hz(Adapter 1)		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1780	31.05	20.38	51.43	64.58	-13.15	QP	P	
2	0.1780	17.18	20.38	37.56	54.58	-17.02	AVG	P	
3	0.2940	23.36	20.55	43.91	60.41	-16.50	QP	P	
4	0.2940	9.12	20.55	29.67	50.41	-20.74	AVG	P	
5	0.5700	19.64	20.44	40.08	56.00	-15.92	QP	P	
6	0.5700	9.97	20.44	30.41	46.00	-15.59	AVG	P	
7	2.0780	18.11	20.26	38.37	56.00	-17.63	QP	P	
8	2.0780	6.11	20.26	26.37	46.00	-19.63	AVG	P	
9	8.4860	20.02	20.24	40.26	60.00	-19.74	QP	P	
10	8.4860	7.98	20.24	28.22	50.00	-21.78	AVG	P	
11	14.6620	24.26	20.41	44.67	60.00	-15.33	QP	P	
12	14.6620	15.07	20.41	35.48	50.00	-14.52	AVG	P	

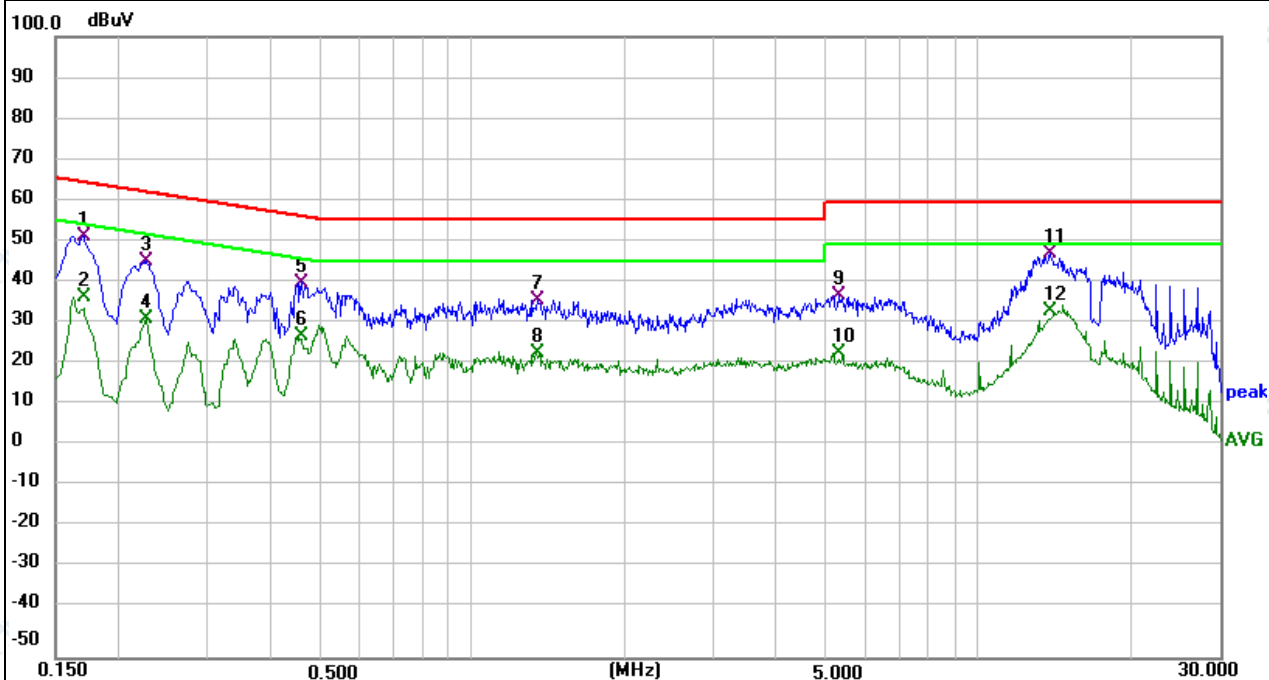
Remark:

Correct Factor = Insertion Loss + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	1	Phase:	L
Test Voltage:	AC 120V/60Hz(Adapter 2)		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1700	31.58	20.38	51.96	64.96	-13.00	QP	P	
2	0.1700	16.78	20.38	37.16	54.96	-17.80	AVG	P	
3	0.2260	25.21	20.47	45.68	62.60	-16.92	QP	P	
4	0.2260	11.50	20.47	31.97	52.60	-20.63	AVG	P	
5	0.4580	20.29	20.46	40.75	56.73	-15.98	QP	P	
6	0.4580	7.53	20.46	27.99	46.73	-18.74	AVG	P	
7	1.3500	16.08	20.28	36.36	56.00	-19.64	QP	P	
8	1.3500	3.49	20.28	23.77	46.00	-22.23	AVG	P	
9	5.2860	17.31	20.31	37.62	60.00	-22.38	QP	P	
10	5.2860	3.28	20.31	23.59	50.00	-26.41	AVG	P	
11 *	13.8660	27.12	20.45	47.57	60.00	-12.43	QP	P	
12	13.8660	13.39	20.45	33.84	50.00	-16.16	AVG	P	

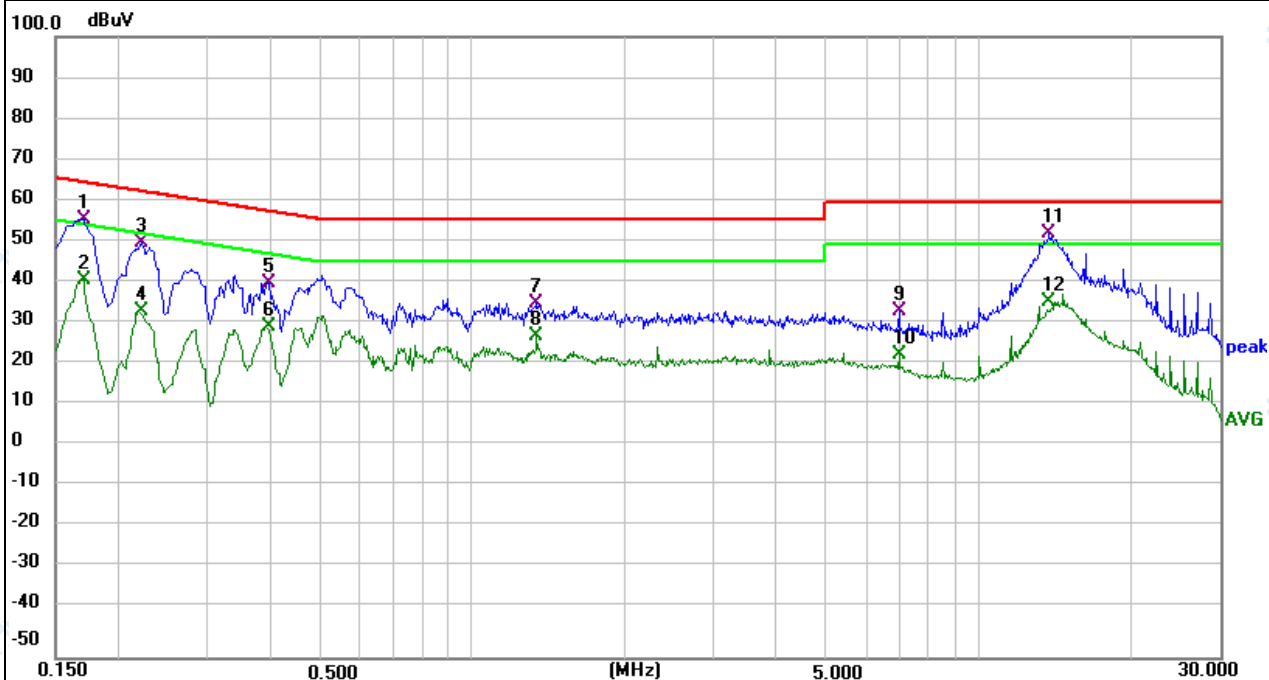
Remark:

Correct Factor = Insertion Loss + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	1	Phase:	N
Test Voltage:	AC 120V/60Hz(Adapter 2)		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1700	35.75	20.37	56.12	64.96	-8.84	QP	P	
2	0.1700	20.98	20.37	41.35	54.96	-13.61	AVG	P	
3	0.2220	29.95	20.42	50.37	62.74	-12.37	QP	P	
4	0.2220	13.27	20.42	33.69	52.74	-19.05	AVG	P	
5	0.3940	20.28	20.39	40.67	57.98	-17.31	QP	P	
6	0.3940	9.68	20.39	30.07	47.98	-17.91	AVG	P	
7	1.3420	15.62	20.25	35.87	56.00	-20.13	QP	P	
8	1.3420	7.51	20.25	27.76	46.00	-18.24	AVG	P	
9	6.9620	13.57	20.24	33.81	60.00	-26.19	QP	P	
10	6.9620	3.21	20.24	23.45	50.00	-26.55	AVG	P	
11 *	13.8300	32.01	20.37	52.38	60.00	-7.62	QP	P	
12	13.8300	15.80	20.37	36.17	50.00	-13.83	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	
	☐ Class A (dB μ V/m)	☒ 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			
	☐ Class A (dB μ V/m)		☒ Class B (dB μ V/m)	
	Average	Peak	Average	Peak
Above 1000	60	80	54	74

Note:

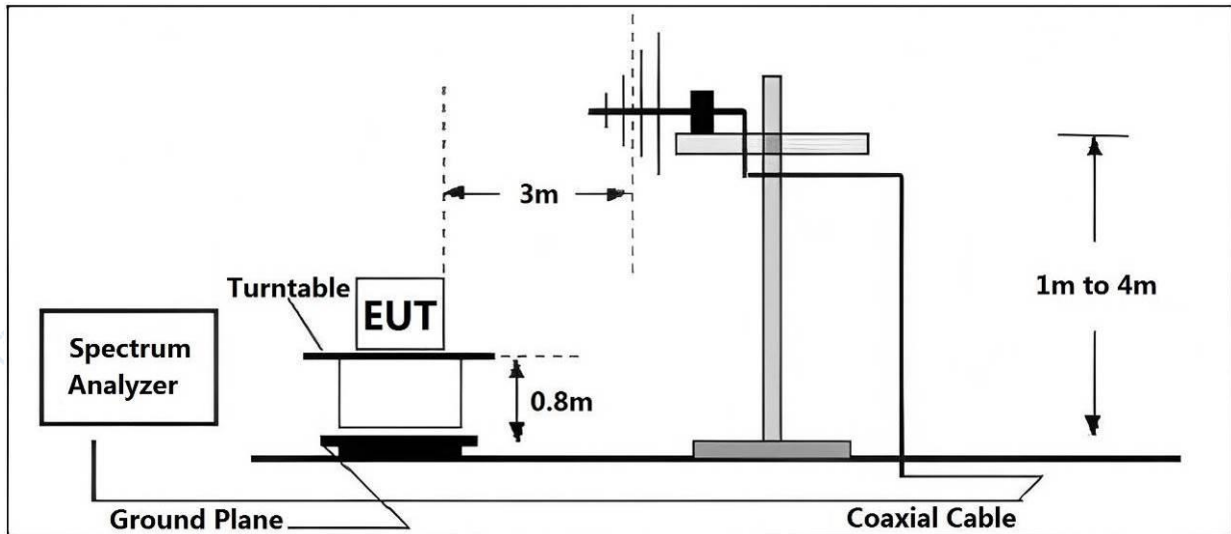
- (1) The limit for radiated test was performed according to as following: FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dB μ V/m)=20log Emission level (μ V/m).

3.2.3 TEST PROCEDURE

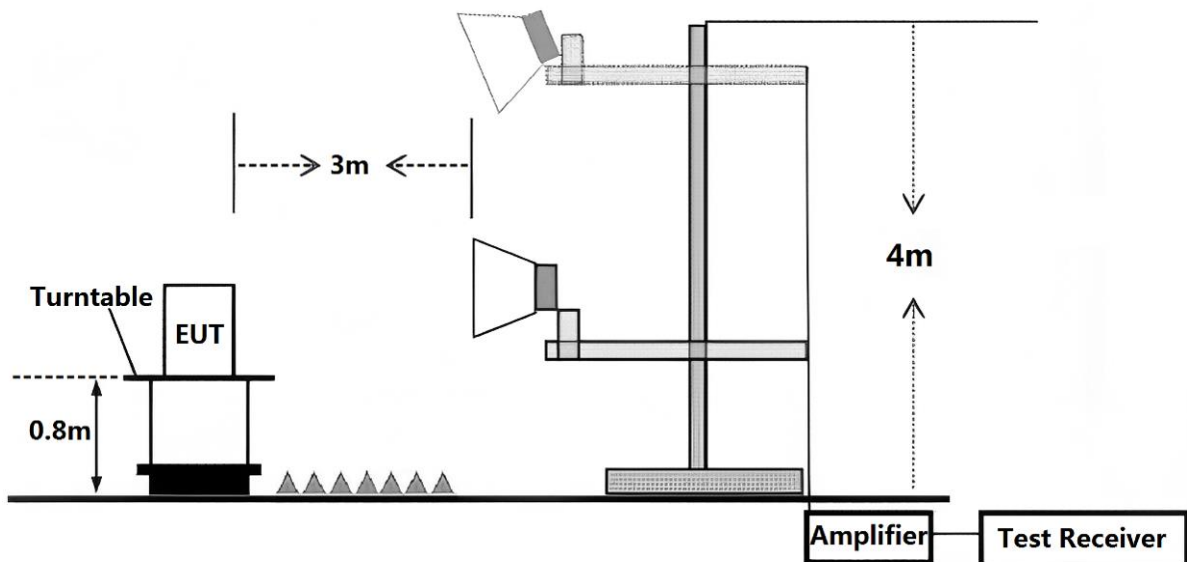
- a. The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. 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 and then Quasi Peak detector mode re-measured, above 1G Average detector mode will be instead.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, 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

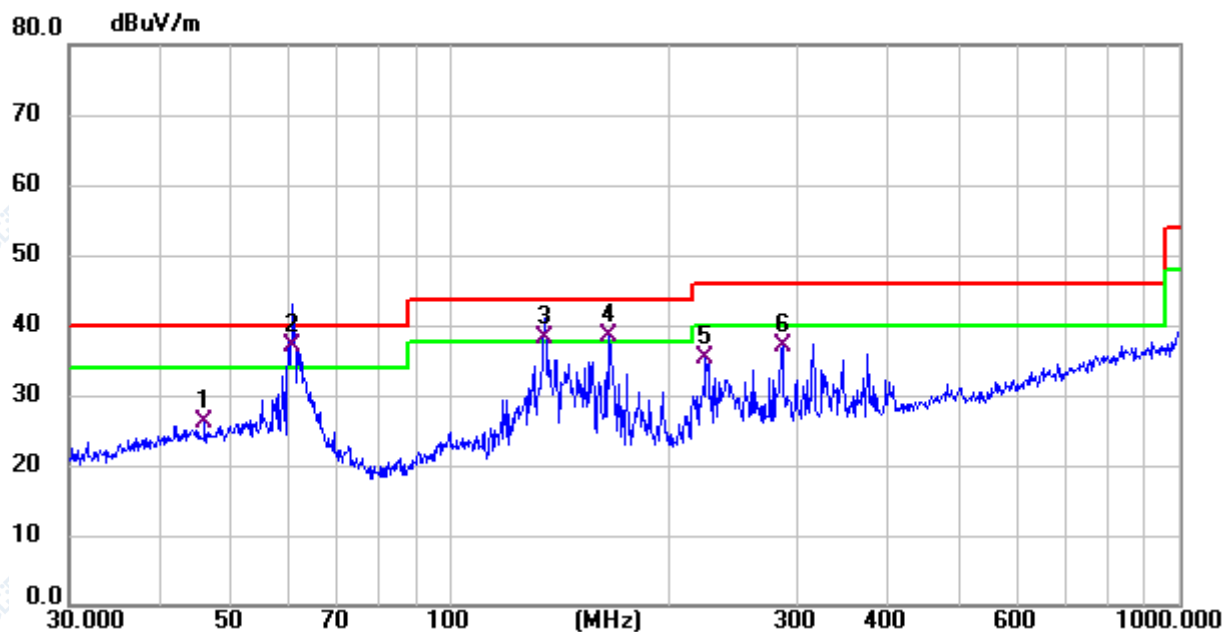


3.2.5 EUT OPERATING CONDITIONS

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	Test Model:	KINGKONG Dura
Test Mode:	5	Polarization:	Horizontal
Test Power:	DC 5V powered by Notebook		



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	46.016	6.59	19.47	26.06	40.00	-13.94	QP			P	
2 *	60.938	17.99	18.89	36.88	40.00	-3.12	QP			P	
3 !	135.247	23.48	14.76	38.24	43.50	-5.26	QP			P	
4 !	165.487	23.10	15.39	38.49	43.50	-5.01	QP			P	
5	224.519	17.37	18.01	35.38	46.00	-10.62	QP			P	
6	285.978	17.39	19.56	36.95	46.00	-9.05	QP			P	

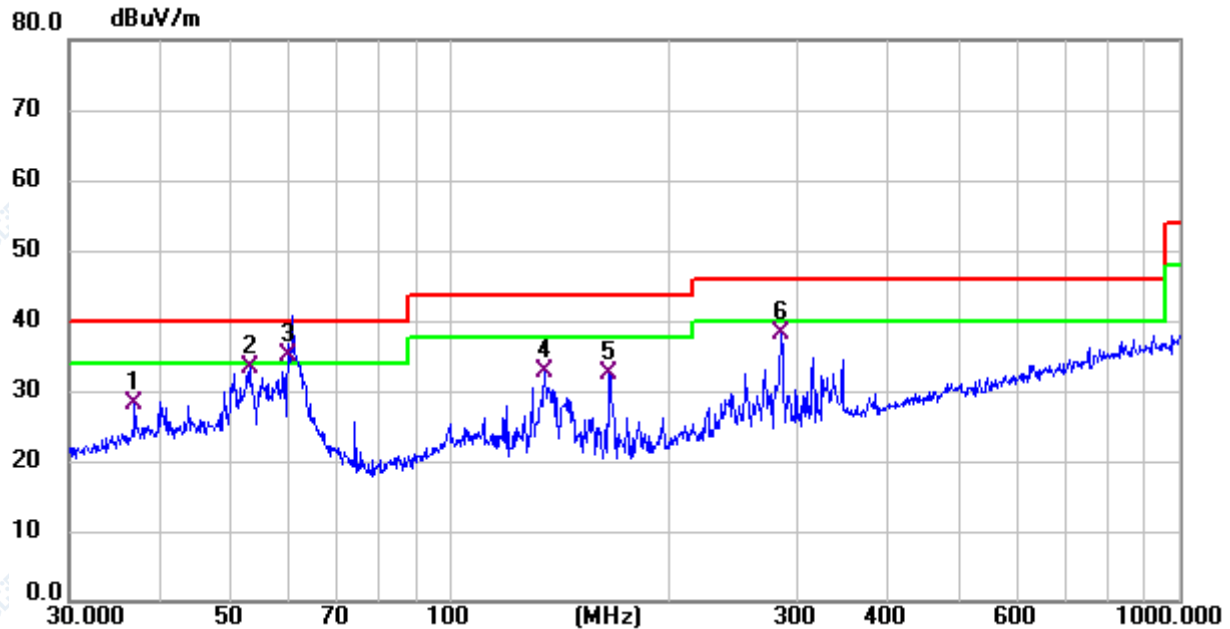
Remark:

Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	5	Polarization:	Vertical
Test Power:	DC 5V powered by Notebook		



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	36.895	10.08	18.18	28.26	40.00	-11.74	QP			P	
2	53.131	13.33	20.06	33.39	40.00	-6.61	QP			P	
3 *	60.247	15.89	19.23	35.12	40.00	-4.88	QP			P	
4	134.559	17.83	14.78	32.61	43.50	-10.89	QP			P	
5	165.487	17.09	15.39	32.48	43.50	-11.02	QP			P	
6	283.979	18.75	19.47	38.22	46.00	-7.78	QP			P	

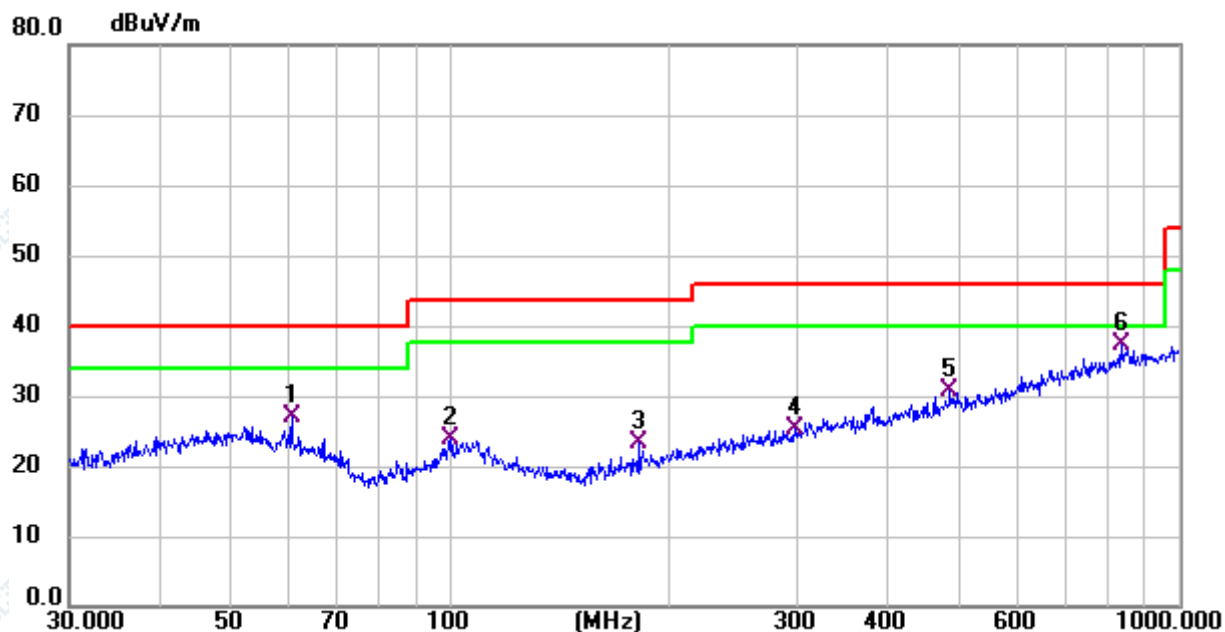
Remark:

Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	2	Polarization:	Horizontal
Test Power:	AC 120V/60Hz(Adapter 1)		



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	60.704	7.91	19.00	26.91	40.00	-13.09	QP			P	
2	99.878	5.64	18.25	23.89	43.50	-19.61	QP			P	
3	181.920	7.20	16.11	23.31	43.50	-20.19	QP			P	
4	297.224	5.23	20.11	25.34	46.00	-20.66	QP			P	
5	485.609	5.72	24.91	30.63	46.00	-15.37	QP			P	
6 *	833.317	7.60	29.69	37.29	46.00	-8.71	QP			P	

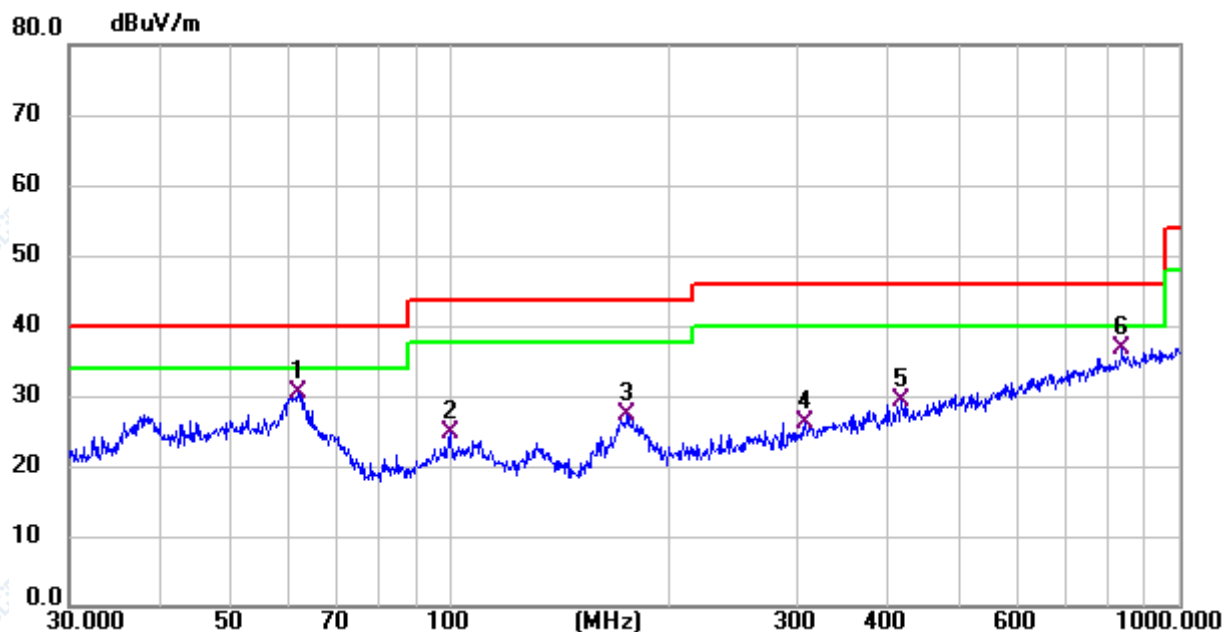
Remark:

Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	2	Polarization:	Vertical
Test Power:	AC 120V/60Hz(Adapter 1)		



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	61.778	11.63	18.78	30.41	40.00	-9.59	QP			P	
2	99.878	6.55	18.25	24.80	43.50	-18.70	QP			P	
3	175.037	11.30	15.97	27.27	43.50	-16.23	QP			P	
4	306.754	5.64	20.50	26.14	46.00	-19.86	QP			P	
5	416.179	6.52	22.87	29.39	46.00	-16.61	QP			P	
6 *	836.244	6.77	29.83	36.60	46.00	-9.40	QP			P	

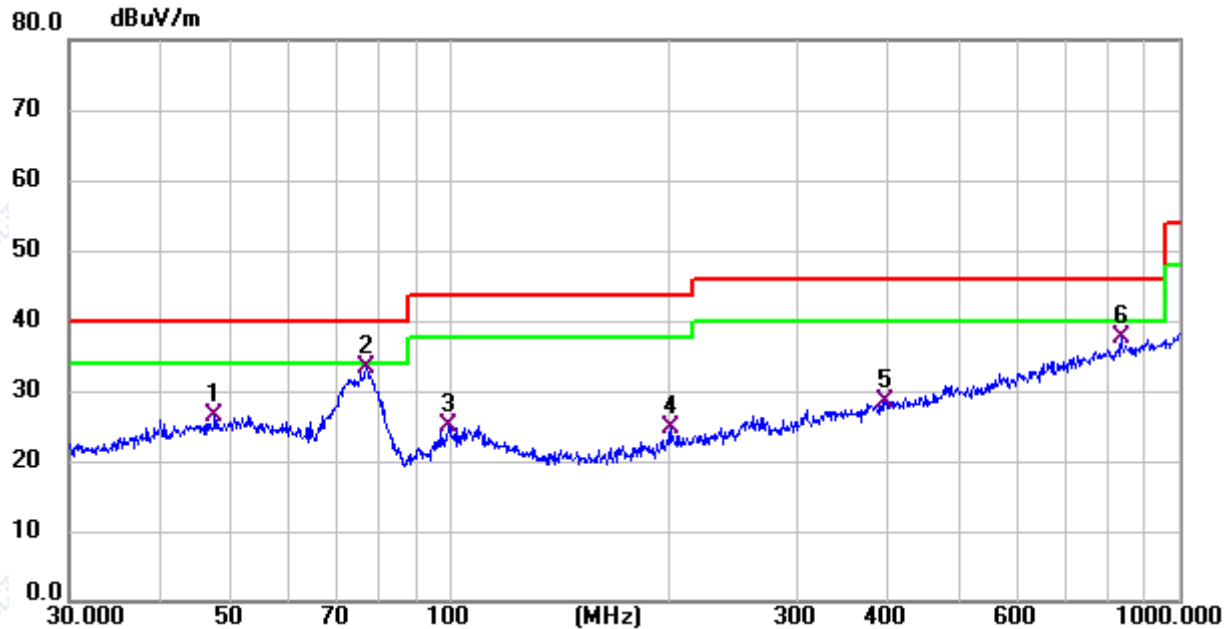
Remark:

Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	1	Polarization:	Horizontal
Test Power:	AC 120V/60Hz(Adapter 2)		



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	47.492	6.77	19.73	26.50	40.00	-13.50	QP			P	
2 *	76.781	19.28	13.89	33.17	40.00	-6.83	QP			P	
3	99.528	6.97	18.15	25.12	43.50	-18.38	QP			P	
4	200.688	7.11	17.47	24.58	43.50	-18.92	QP			P	
5	394.854	6.20	22.35	28.55	46.00	-17.45	QP			P	
6	833.317	7.94	29.69	37.63	46.00	-8.37	QP			P	

Remark:

Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	1	Polarization:	Vertical
Test Power:	AC 120V/60Hz(Adapter 2)		



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	49.707	11.03	20.28	31.31	40.00	-8.69	QP			P	
2 *	70.337	20.10	16.04	36.14	40.00	-3.86	QP			P	
3	121.976	12.27	16.23	28.50	43.50	-15.00	QP			P	
4	199.286	8.91	17.36	26.27	43.50	-17.23	QP			P	
5	492.469	5.82	24.58	30.40	46.00	-15.60	QP			P	
6	724.261	7.42	28.54	35.96	46.00	-10.04	QP			P	

Remark:

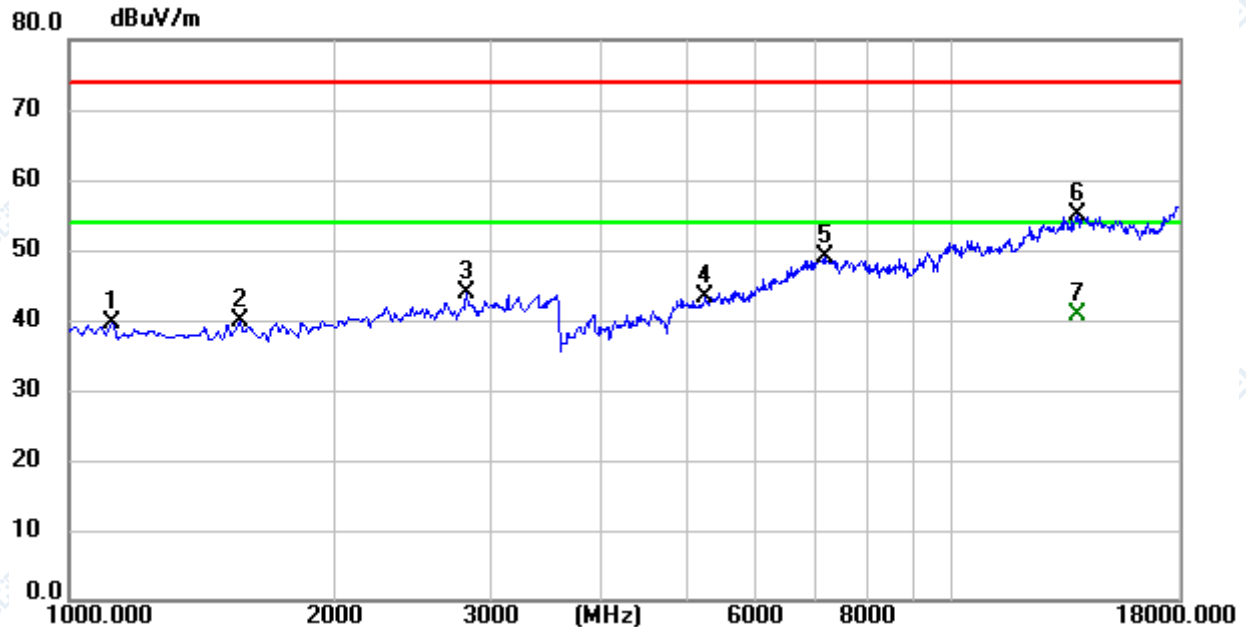
Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

3.2.7 TEST RESULTS (Above 1000MHz)

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	1	Polarization:	Horizontal
Test Power:	AC 120V/60Hz(Adapter 1)		



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	1119.000	49.04	-9.37	39.67	74.00	-34.33	peak			P	
2	1561.000	48.08	-8.21	39.87	74.00	-34.13	peak			P	
3	2819.000	47.59	-3.71	43.88	74.00	-30.12	peak			P	
4	5267.000	41.17	2.18	43.35	74.00	-30.65	peak			P	
5	7188.000	41.78	7.19	48.97	74.00	-25.03	peak			P	
6	13852.000	40.92	14.11	55.03	74.00	-18.97	peak			P	
7 *	13853.265	26.48	14.11	40.59	54.00	-13.41	AVG			P	

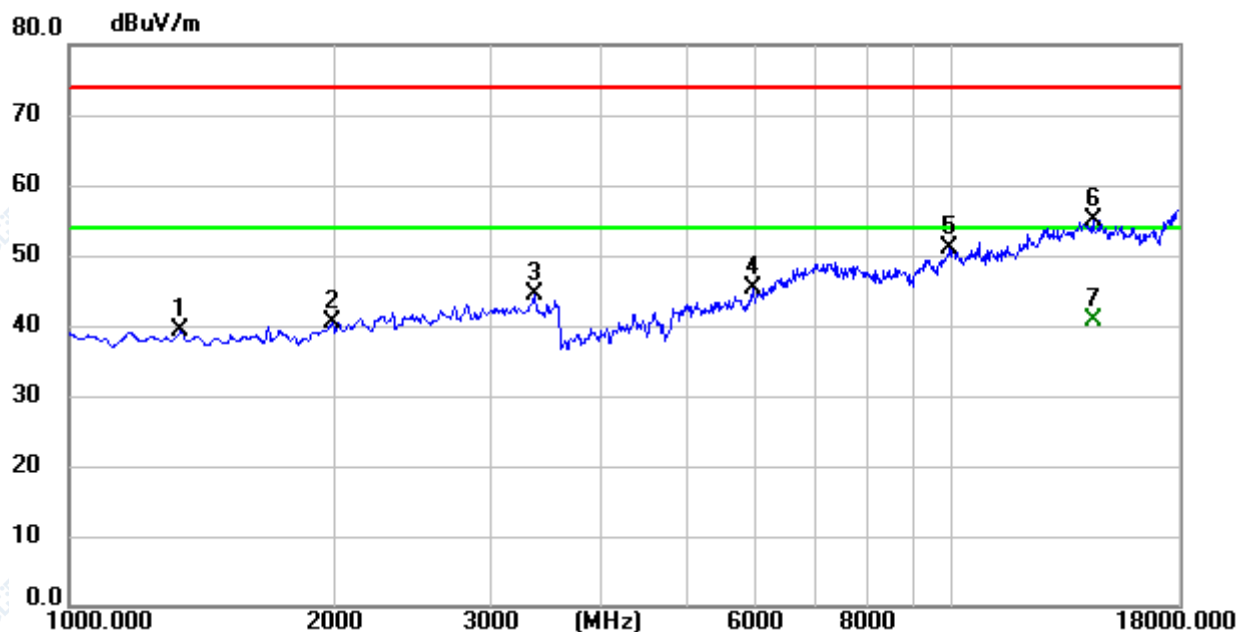
Remark:

Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	1	Polarization:	Vertical
Test Power:	AC 120V/60Hz(Adapter 1)		



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	1340.000	48.06	-8.90	39.16	74.00	-34.84	peak			P	
2	1986.000	46.79	-6.29	40.50	74.00	-33.50	peak			P	
3	3363.000	47.00	-2.51	44.49	74.00	-29.51	peak			P	
4	5947.000	41.32	3.92	45.24	74.00	-28.76	peak			P	
5	9925.000	42.51	8.44	50.95	74.00	-23.05	peak			P	
6	14447.000	41.67	13.38	55.05	74.00	-18.95	peak			P	
7 *	14448.621	27.28	13.38	40.66	54.00	-13.34	AVG			P	

Remark:

Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	1	Polarization:	Horizontal
Test Power:	AC 120V/60Hz(Adapter 2)		



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	1068.000	48.75	-9.49	39.26	74.00	-34.74	peak			P	
2	1748.000	47.04	-7.91	39.13	74.00	-34.87	peak			P	
3	2309.000	48.23	-5.23	43.00	74.00	-31.00	peak			P	
4	3499.000	46.44	-2.36	44.08	74.00	-29.92	peak			P	
5	5930.000	41.24	3.83	45.07	74.00	-28.93	peak			P	
6	14209.000	41.44	13.84	55.28	74.00	-18.72	peak			P	
7 *	14210.265	27.78	13.84	41.62	54.00	-12.38	AVG			P	

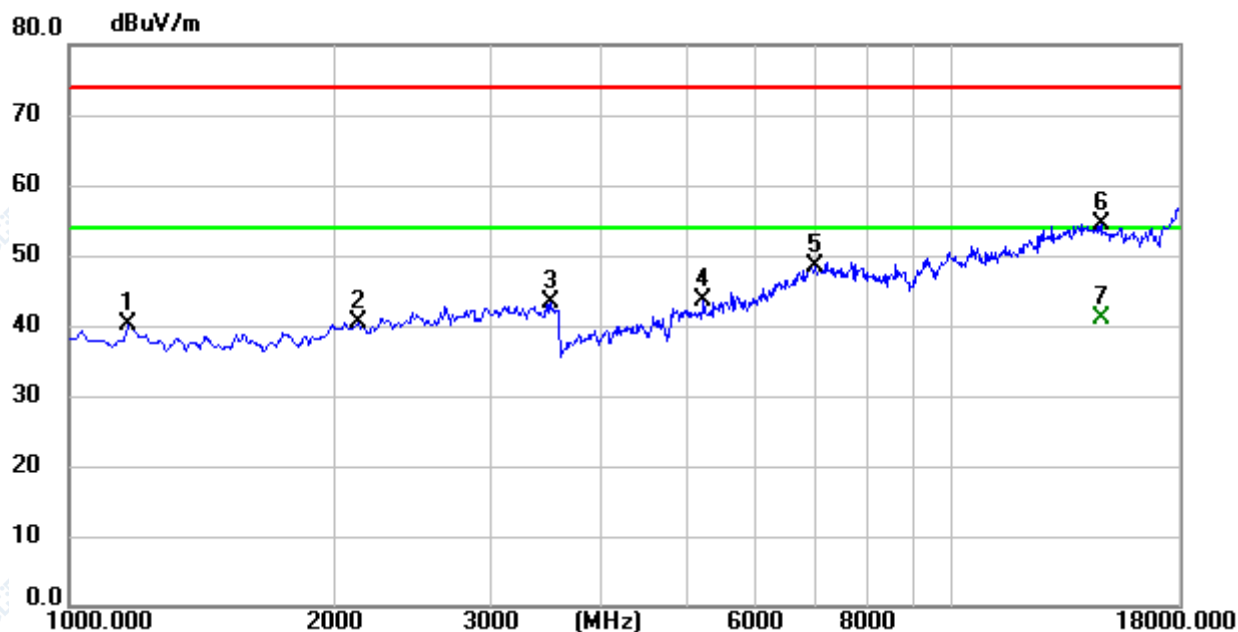
Remark:

Correct Factor = Antenna Factor + Cable Loss

Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

EUT:	Smartphone	Test Model:	KINGKONG Dura
Test Mode:	1	Polarization:	Vertical
Test Power:	AC 120V/60Hz(Adapter 2)		



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	1170.000	49.37	-9.18	40.19	74.00	-33.81	peak			P	
2	2122.000	46.07	-5.66	40.41	74.00	-33.59	peak			P	
3	3516.000	45.57	-2.27	43.30	74.00	-30.70	peak			P	
4	5233.000	41.27	2.19	43.46	74.00	-30.54	peak			P	
5	6984.000	41.01	7.39	48.40	74.00	-25.60	peak			P	
6	14719.000	41.74	12.73	54.47	74.00	-19.53	peak			P	
7 *	14720.362	28.26	12.73	40.99	54.00	-13.01	AVG			P	

Remark:

Correct Factor = Antenna Factor + Cable Loss

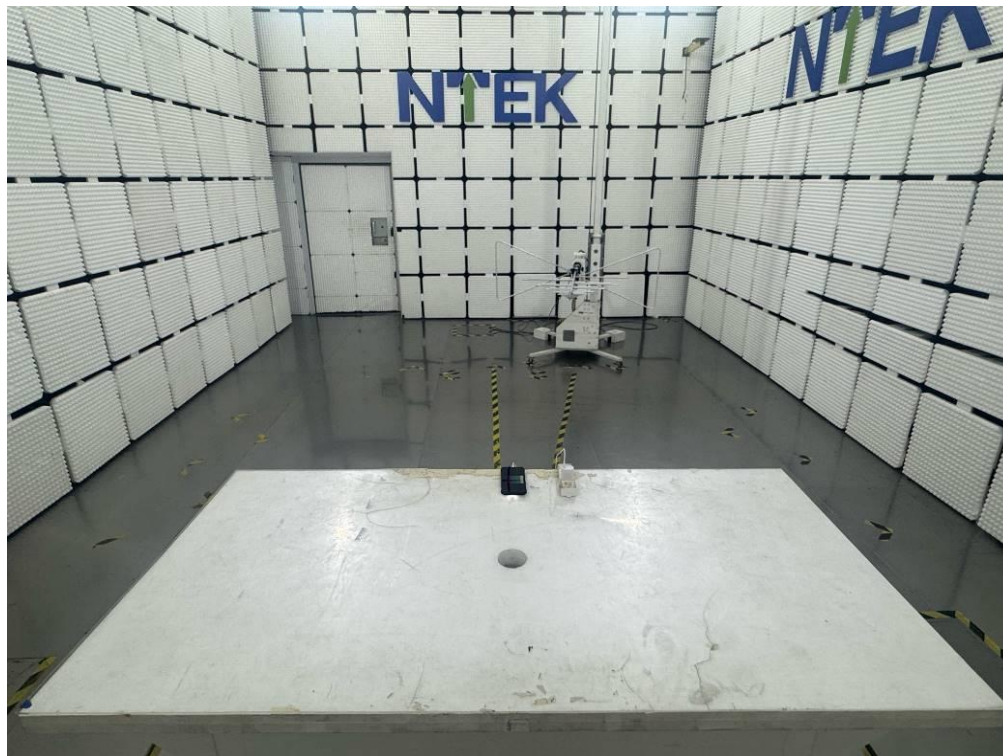
Measurement Level = Reading Level + Correct Factor

Over Level = Measurement Level - Limit

4. EUT TEST PHOTO

Radiated Measurement Photo

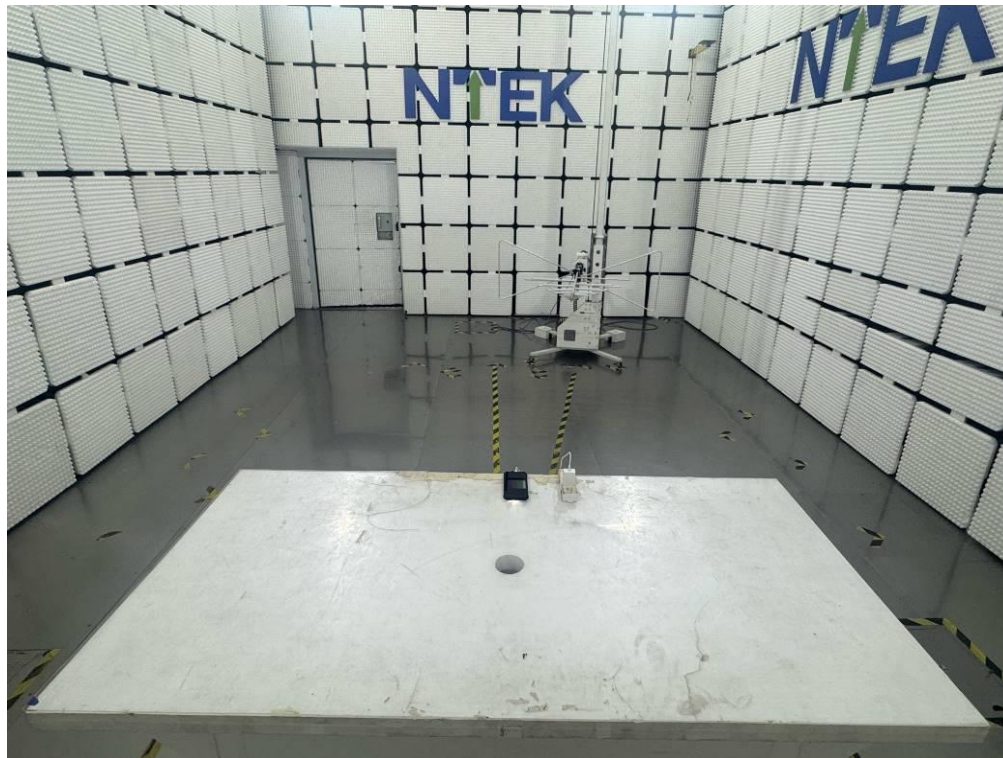
(Adapter 1)(Charging the Phone)



(Adapter 1)(Charging the Battery)



(Adapter 2)(Charging the Phone)



(Adapter 2)(Charging the Battery)



(Adapter 1)(Charging the Phone)



(Adapter 2)(Charging the Phone)



Conducted Measurement Photo
(Adapter 1)(Charging the Phone)



(Adapter 1)(Charging the Battery)



(Adapter 2)(Charging the Battery)



(Adapter 2)(Charging the Phone)



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

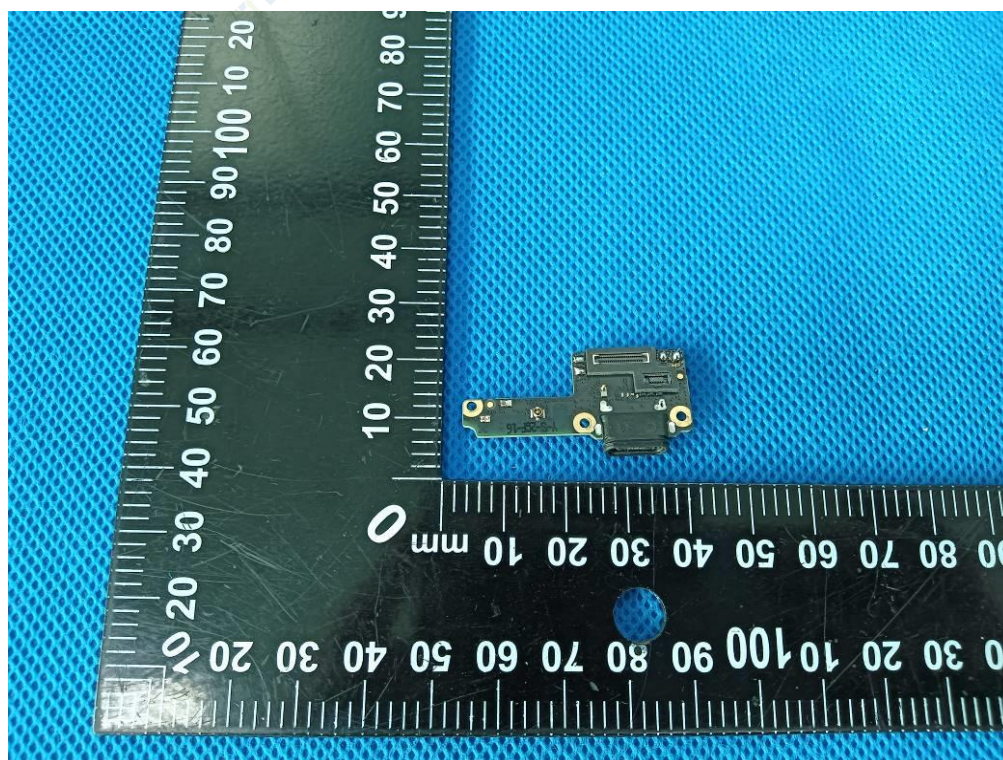


Photo 12

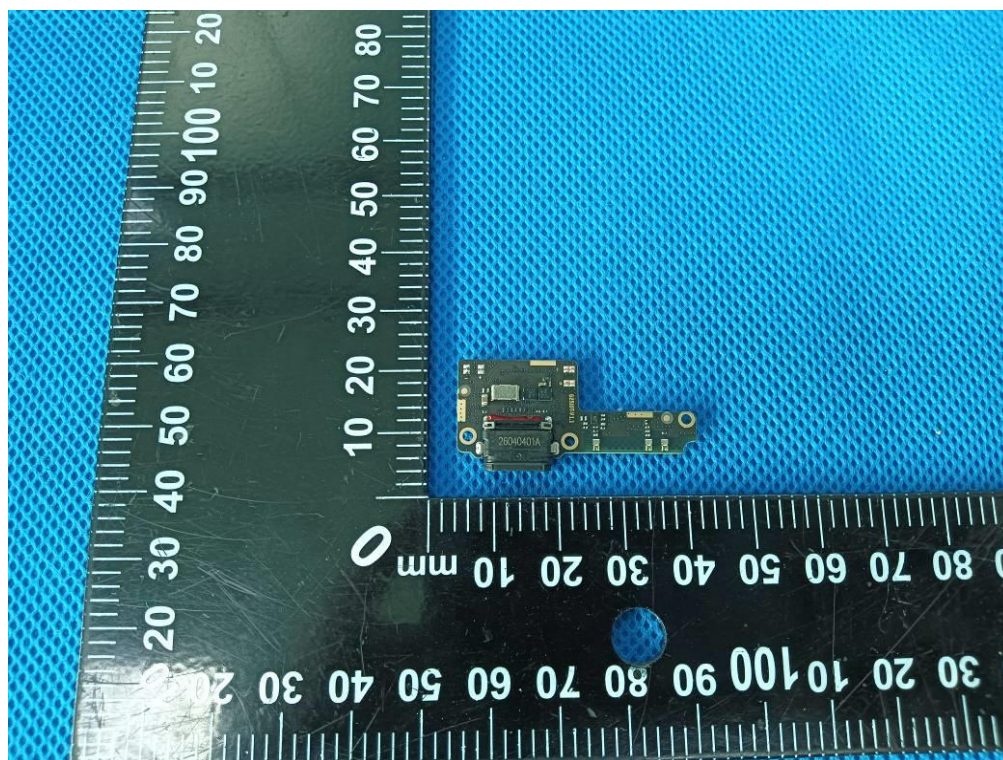


Photo 13

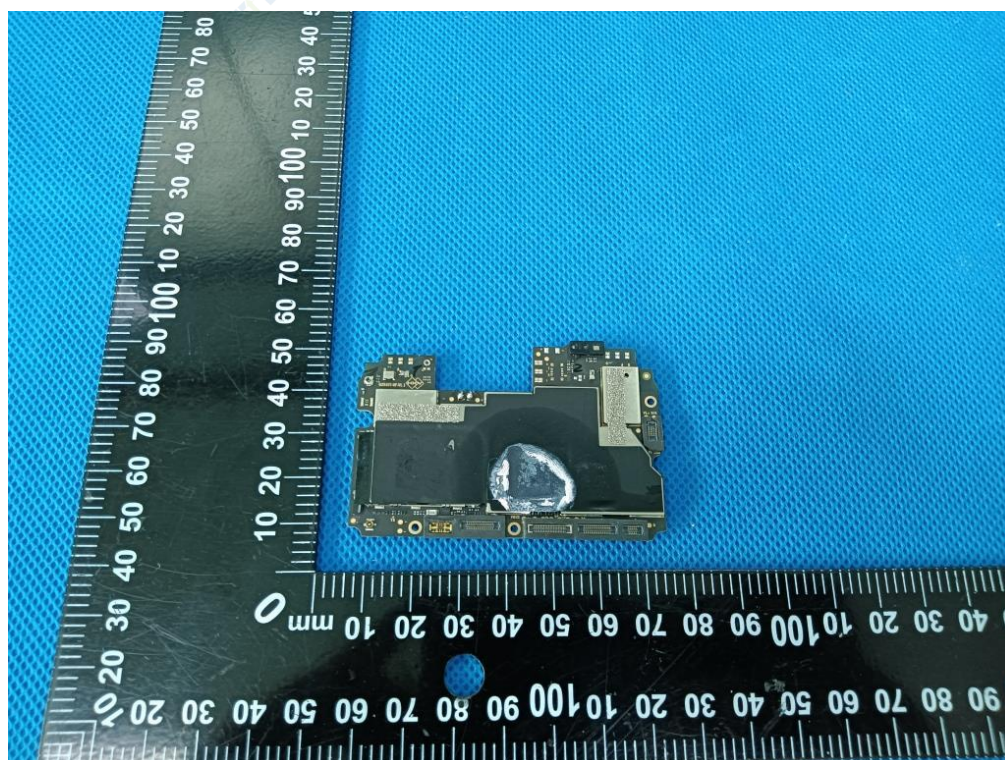


Photo 14

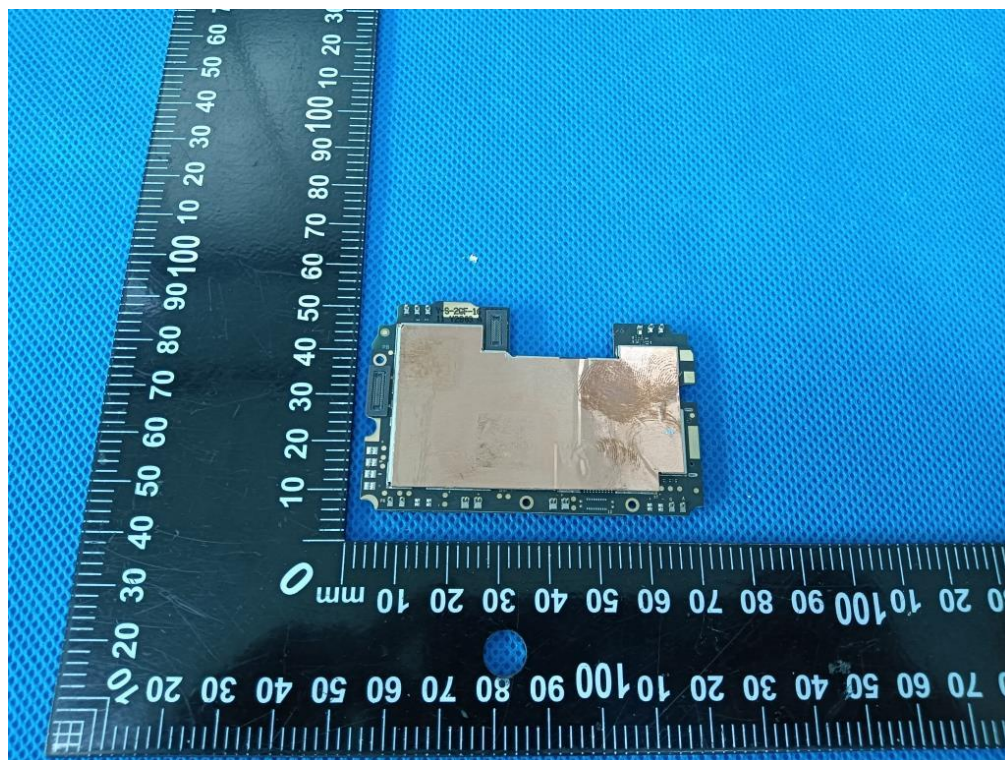


Photo 15

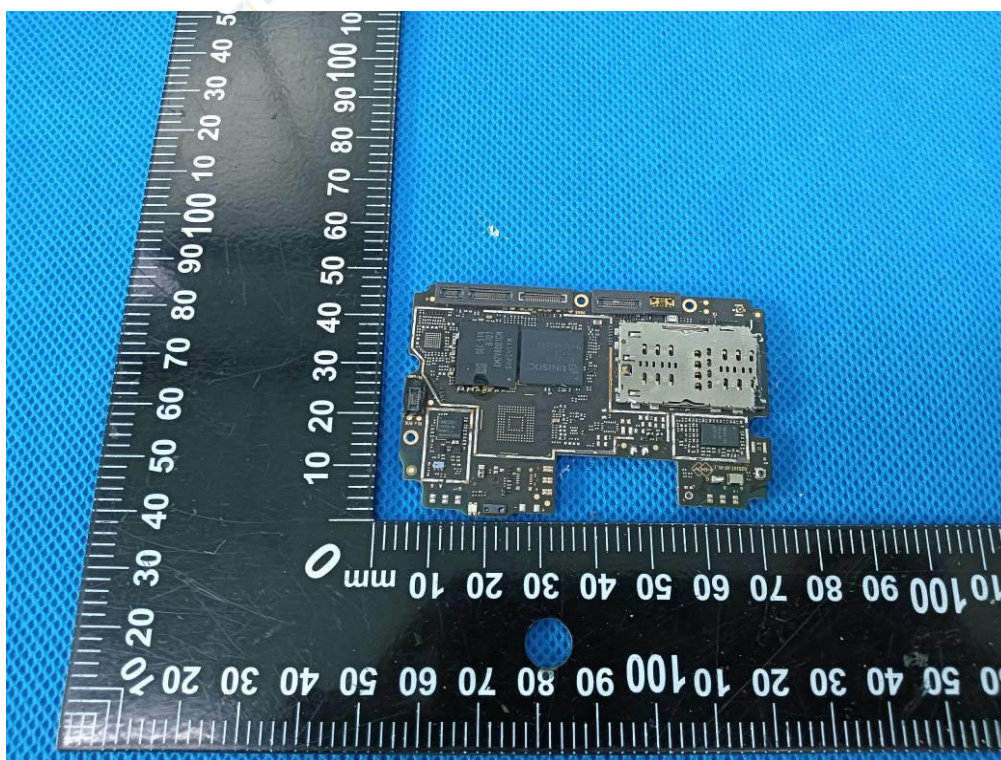


Photo 16

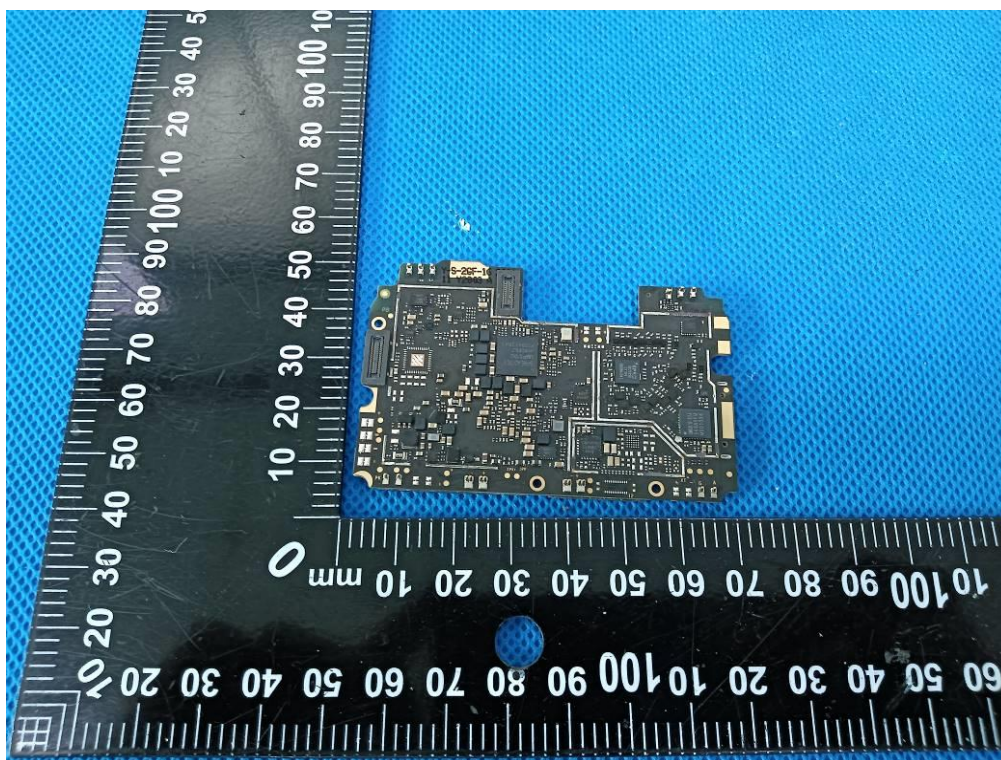


Photo 17



Photo 18 (Adapter1)



Photo 19 (Adapter1)

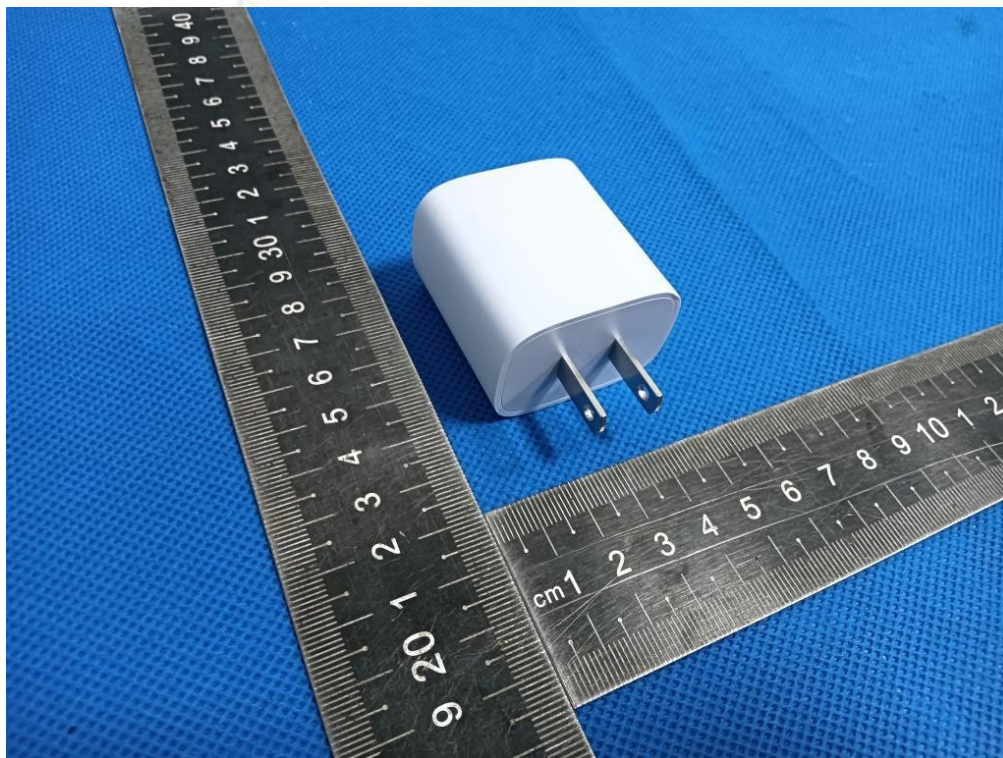


Photo 20 (Adapter1)



Photo 21 (Adapter2)

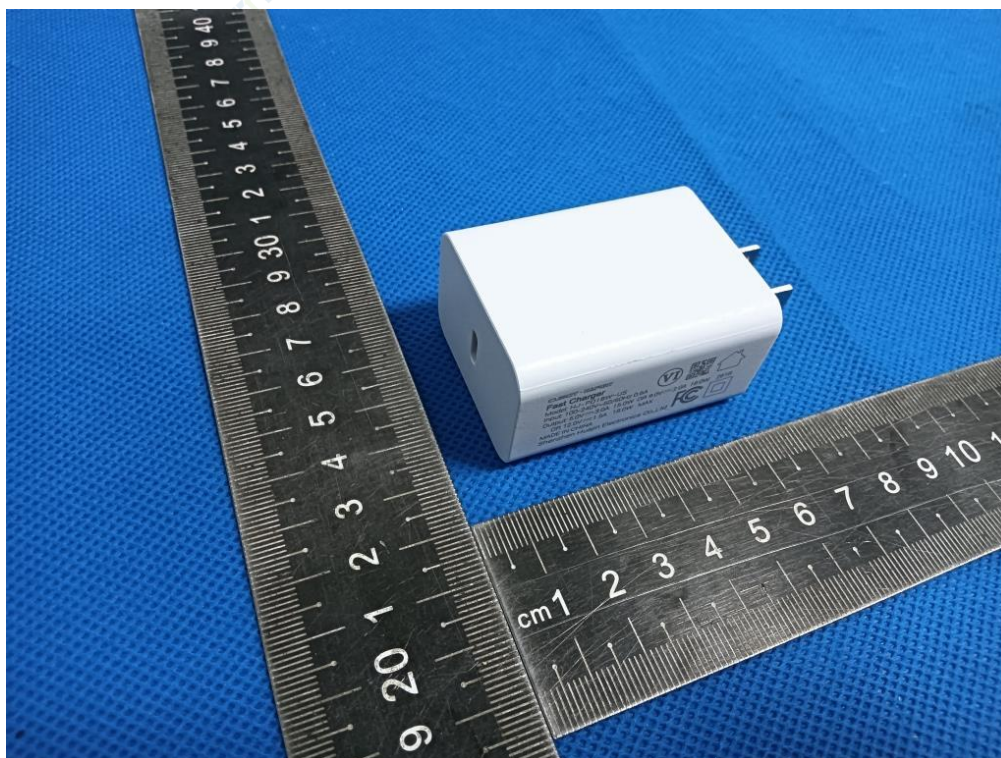


Photo 22 (Adapter2)

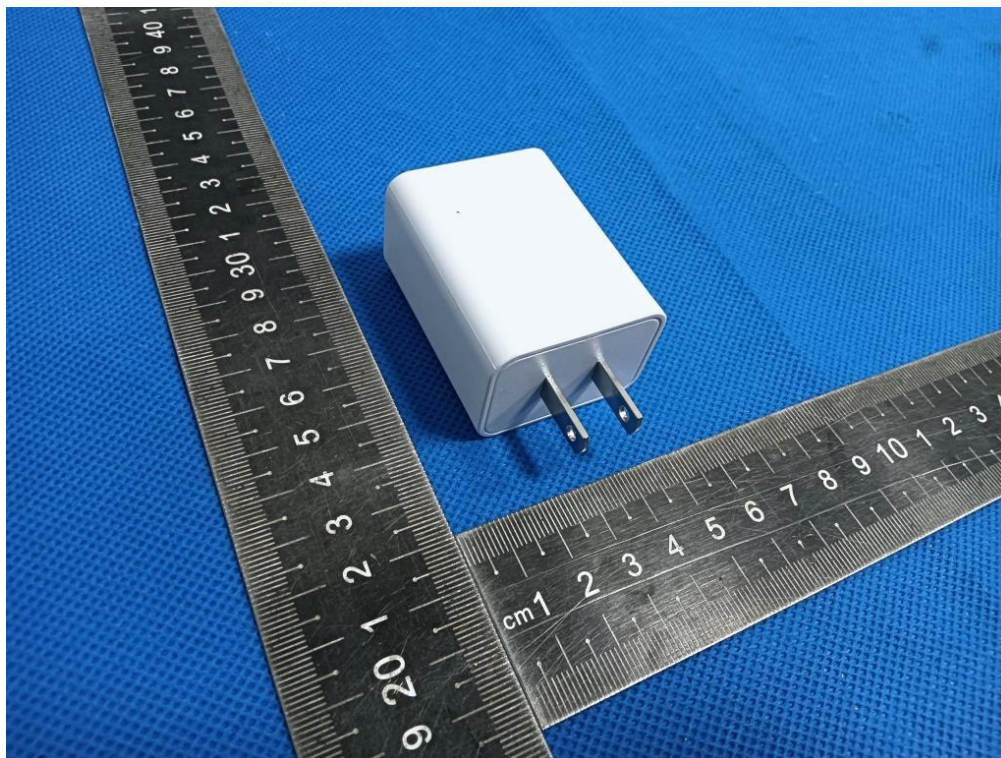


Photo 23 (Adapter2)



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