FCC RADIO TEST REPORT
FCC ID: 2AHZ5KKMN4

Product :	Smartphone
Trade Mark :	CUBOT
Model Name :	KINGKONG MINI 4
Family Model :	KINGKONG ACE 5, KINGKONG ACE 6, KINGKONG MINI 5, KINGKONG 11, X100
Report No. :	N25073100109E
Issue Date:	Sept. 04, 2025

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

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TEST RESULT CERTIFICATION

Applicant's name	:	Shenzhen Huafurui Technology Co., Ltd.
Address	:	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
Manufacturer's Name	:	Shenzhen Huafurui Technology Co., Ltd.
Address	:	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

Product description

Product name	:	Smartphone
Model and/or type reference	:	KINGKONG MINI 4
Family Model	:	KINGKONG ACE 5, KINGKONG ACE 6, KINGKONG MINI 5, KINGKONG 11, X100
Test Sample number	:	S2507310110-1#
Standards	:	FCC Part15.225
Test procedure		ANSI C63.10-2020

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

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Date of Test :

Date (s) of performance of tests	:	Jul. 31, 2025 ~ Sept. 04, 2025
Date of Issue	:	Sept. 04, 2025
Test Result	:	**Pass**

Prepared By :	Reviewed By :	Approved By :
Allen Liu	Aaron Cheng	Alex Li
(Project Engineer)	(Supervisor)	(Manager)

NTEK Testing Technology Co., Ltd. Report Seal

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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C (15.225)			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	Pass	
15.205(a) 15.209 15.225(abcd)	Radiated Spurious Emission	Pass	
15.225 15.215(c)	20dB Bandwidth	Pass	
15.225(e)	Frequency Tolerance	Pass	
15.203	Antenna Requirement	Pass	

NOTE:
(1) ” N/A” denotes test is not applicable in this Test Report.

1.1 TEST FACILITY

All measurement facilities used to collect the measurement data are located at No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China.
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

Site Description

CNAS-Lab.	:	The Certificate Registration Number is L5516.
IC-Registration		The Certificate Registration Number is 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 17025:2005 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 8 January 2009).
Name of Firm	:	Shenzhen NTEK Testing Technology Co., Ltd.
Site Location	:	No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China.

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U** , where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2** , providing a level of confidence of approximately **95** %。

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Smartphone
Trade Mark	CUBOT
Model Name	KINGKONG MINI 4
Family Model	KINGKONG ACE 5, KINGKONG ACE 6, KINGKONG MINI 5, KINGKONG 11, X100
Model Difference	All models have the same circuit and RF module, except for model names and colors.
Product Description	The EUT is a Smartphone Operation Frequency: 13.56MHz Modulation Type: ASK Number Of Channel 1CH. Antenna Designation: Induction coil
Adapter	Model:TPA-418G050200UU01 Input:100-240V~50-60Hz 0.3A Output: 5.0V⎓2.0A 10.0W
Battery	DC 3.85V, 4700mAh, 18.095Wh
Power supply	DC 3.85V from Battery or DC 5V from Adapter
HW Version	G2551N-UF-V12
SW Version	CUBOT_KINGKONG_MINI_4_F051_V1.0

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.2 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.

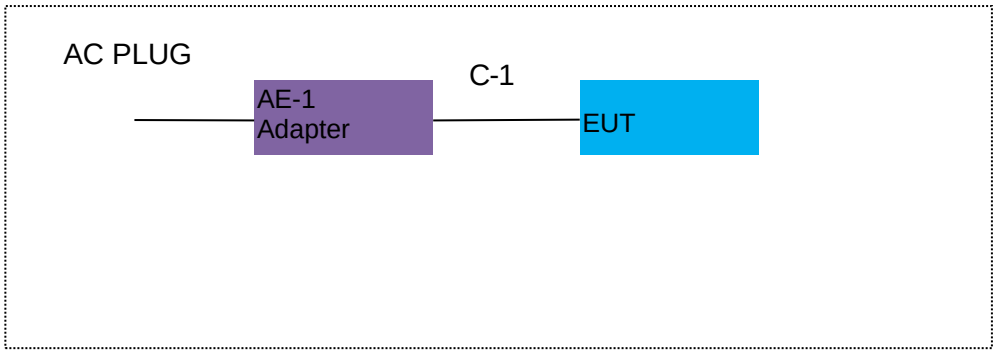
Pretest Mode	Description
Mode 1	TX-13.56MHz

For Conducted Emission	
Final Test Mode	Description
Mode 1	TX-13.56MHz

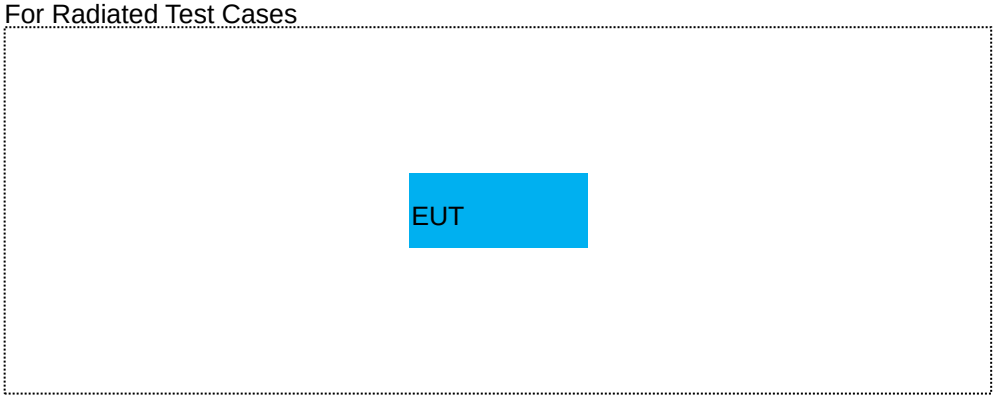
For Radiated Emission	
Final Test Mode	Description
Mode 1	TX-13.56MHz

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

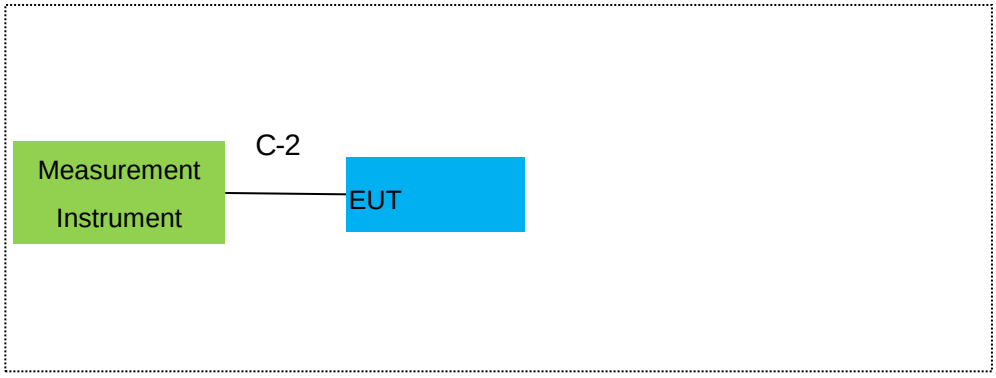
For AC Conducted Emission Mode



For Radiated Test Cases



For Conducted Test Cases



Note:1.The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.
2.EUT built-in battery-powered, the battery is fully-charged.

2.4 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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	Model/Type No.	Series No.	Note
AE-1	Adapter	TPA-418G050200UU01	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Note
C-1	USB Cable	YES	NO	
C-2	RF Cable	YES	NO	

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.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Aglient	E4440A	MY41000130	2025.04.24	2026.04.23	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2025.04.17	2026.04.16	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2025.04.17	2026.04.16	1 year
4	Test Receiver	R&S	ESPI7	101318	2025.04.17	2026.04.16	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2025.05.11	2026.05.10	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2024.04.26	2027.04.25	3 year
7	Horn Antenna	EM	EM-AH-10180	2011071402	2024.05.12	2027.05.11	3 year
8	Active Loop Antenna	SCHWARZBECK	FMZB 1519 B	055	2024.05.17	2027.05.16	3 year
9	LF Cable	N/A	R-03	N/A	2023.06.17	2026.06.16	3 year
10	MXG Vector Signal Generator	Agilent	N5182A	MY47070317	2025.04.17	2026.04.16	1 year
11	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2023.05.06	2026.05.05	3 year
12	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2023.05.06	2026.05.05	3year

AC Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2025.04.17	2026.04.16	1 year
2	LISN	R&S	ENV216	101313	2025.04.16	2026.04.15	1 year
3	LISN	SCHWARZBECK	NNLK 8129	8129245	2025.04.16	2026.04.15	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2024.04.26	2027.04.25	3 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2023.05.06	2026.05.05	3 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2023.05.06	2026.05.05	3 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2023.05.06	2026.05.05	3 year

Note:

1.We will use the temporary antenna connector (soldered on the PCB board) When conducted test And this temporary antenna connector is listed within the instrument list

2. Each piece of equipment is scheduled for calibration once a year except the Test Cable& Aux Equipment which is scheduled for calibration every 3 years.

3. ANTENNA REQUIREMENT

3.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

3.2 EUT ANTENNA

The EUT antenna is permanent attached antenna. It comply with the standard requirement.

4. EMC EMISSION TEST

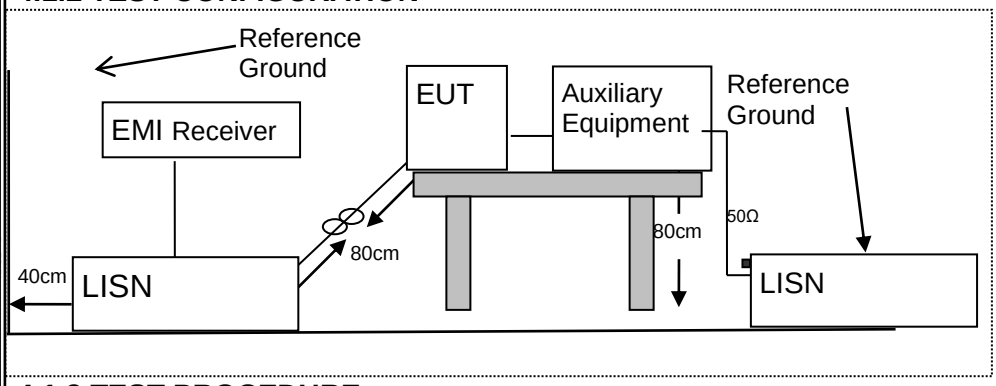
4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56*	56-46*
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. *Decreases with the logarithm of the frequency
2. The lower limit shall apply at the transition frequencies
3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.1.2 TEST CONFIGURATION



4.1.3 TEST PROCEDURE

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

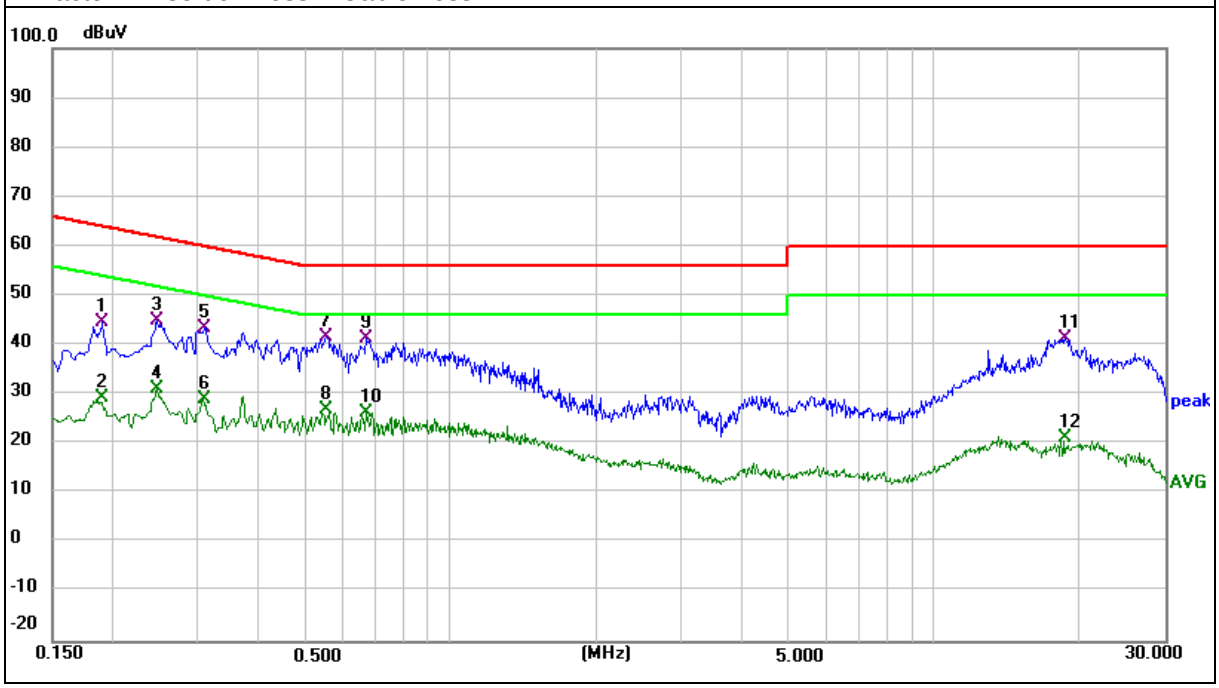
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
2. The EUT was placed on a table which is 0.8m above ground plane.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
4. 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 40cm long.
5. 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.
6. LISN at least 80 cm from nearest part of EUT chassis.
7. The frequency range from 150KHz to 30MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
9. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.4 TEST RESULT

EUT：	Smartphone	Model Name ：	KINGKONG MINI 4
Temperature：	21.5℃	Relative Humidity：	63%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5V from Adapter AC 120V/60Hz	Test Mode：	Mode 1

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1900	34.45	10.09	44.54	64.04	-19.50	QP
0.1900	19.19	10.09	29.28	54.04	-24.76	AVG
0.2460	34.64	10.22	44.86	61.89	-17.03	QP
0.2460	20.85	10.22	31.07	51.89	-20.82	AVG
0.3100	33.12	10.35	43.47	59.97	-16.50	QP
0.3100	18.70	10.35	29.05	49.97	-20.92	AVG
0.5540	30.74	10.84	41.58	56.00	-14.42	QP
0.5540	16.04	10.84	26.88	46.00	-19.12	AVG
0.6700	30.14	11.10	41.24	56.00	-14.76	QP
0.6700	15.18	11.10	26.28	46.00	-19.72	AVG
18.6940	29.43	11.88	41.31	60.00	-18.69	QP
18.6940	9.48	11.88	21.36	50.00	-28.64	AVG

Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

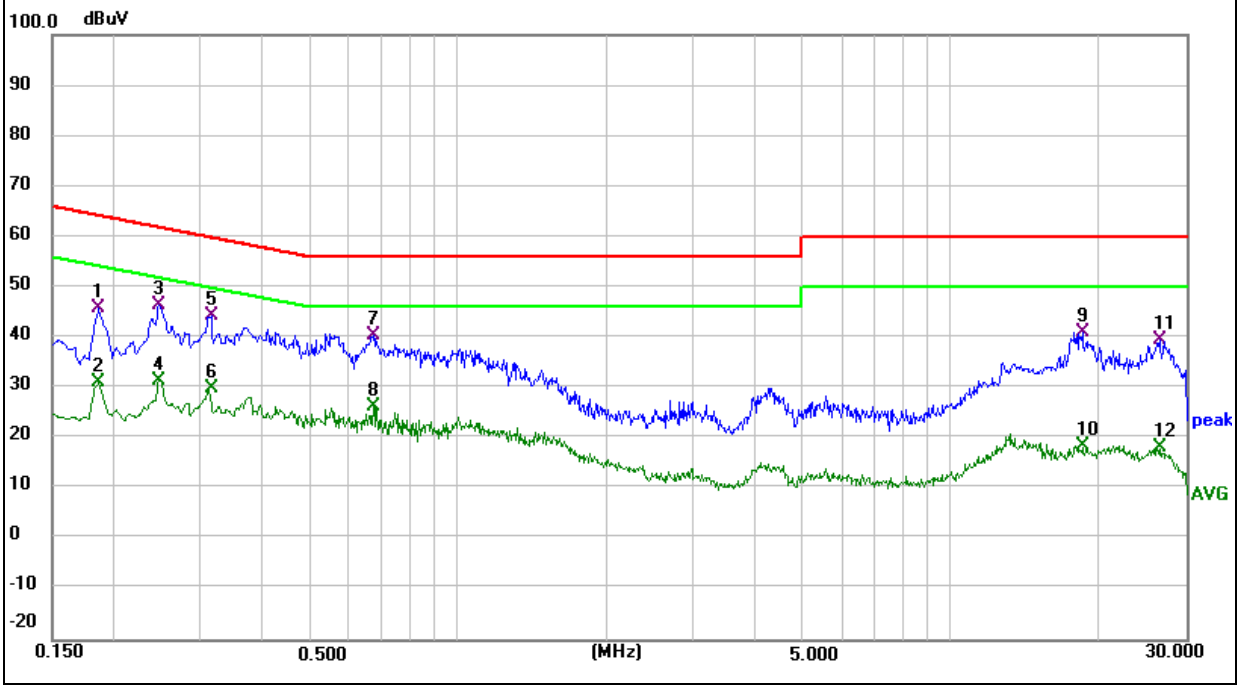


EUT：	Smartphone	Model Name ：	KINGKONG MINI 4
Temperature：	21.5 ℃	Relative Humidity：	63%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5V from Adapter AC 120V/60Hz	Test Mode：	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1860	35.69	10.08	45.77	64.21	-18.44	QP
0.1860	21.13	10.08	31.21	54.21	-23.00	AVG
0.2460	36.10	10.22	46.32	61.89	-15.57	QP
0.2460	21.33	10.22	31.55	51.89	-20.34	AVG
0.3140	33.88	10.35	44.23	59.86	-15.63	QP
0.3140	19.75	10.35	30.10	49.86	-19.76	AVG
0.6740	29.42	11.11	40.53	56.00	-15.47	QP
0.6740	15.33	11.11	26.44	46.00	-19.56	AVG
18.4660	29.09	12.05	41.14	60.00	-18.86	QP
18.4660	6.64	12.05	18.69	50.00	-31.31	AVG
26.5580	26.47	13.05	39.52	60.00	-20.48	QP
26.5580	5.30	13.05	18.35	50.00	-31.65	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 Radiated Emission Limits (FCC 15.209)

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note:

(1) The tighter limit applies at the band edges.

(2) Emission level (dBuV/m)=20log Emission level (uV/m).

(3) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

According to FCC Part15.205, Restricted bands

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.225)

(a)The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters, equal to 124dBuV/m at 3 meters.

(b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters, equal to 90.5dBuV/m at 3 meters.

(c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters, equal to 80.5dBuV/m at 3 meters..

(d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

4.2.2 TEST PROCEDURE

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz And above 1GHz,
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m meter. 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.
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.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

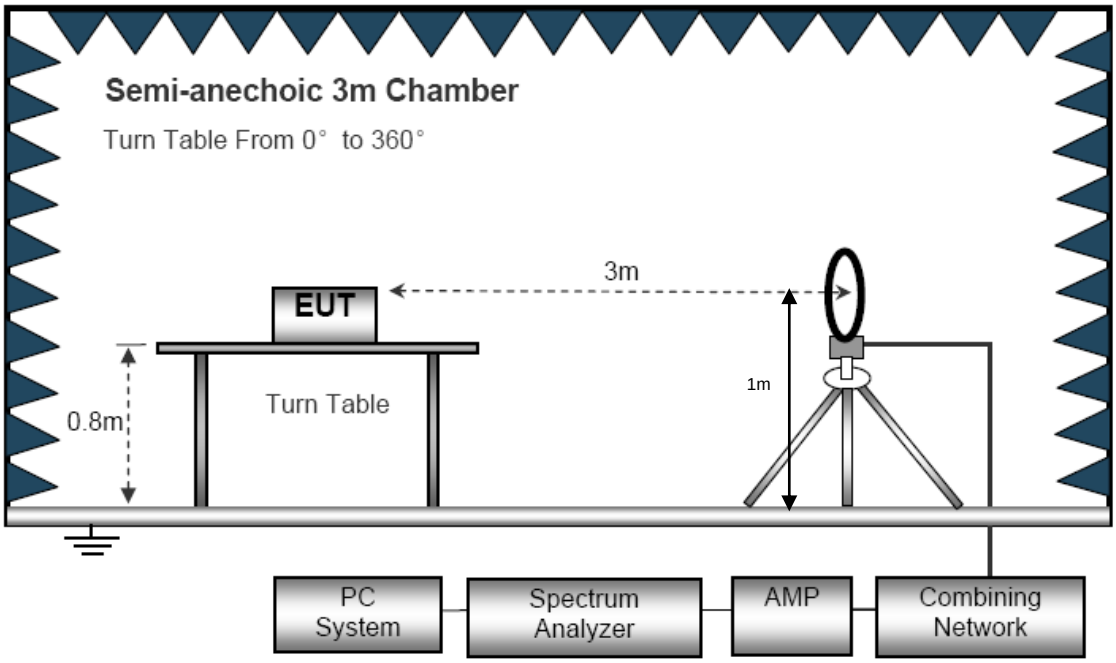
Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

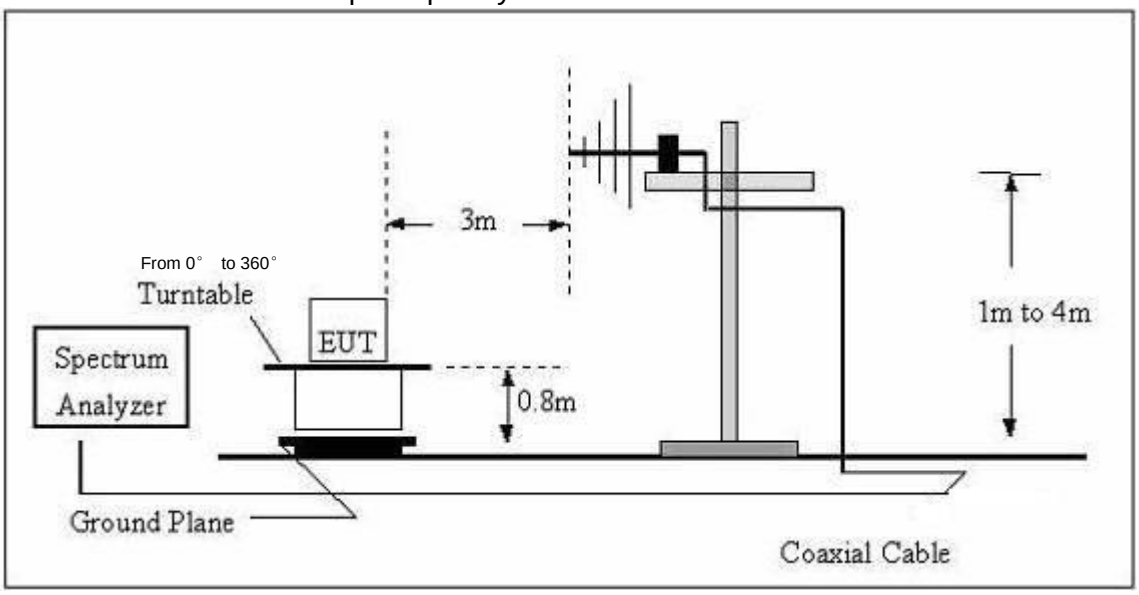
No deviation

4.2.4 TEST SETUP

（A）Radiated Emission Test-Up Frequency Below 30MHz



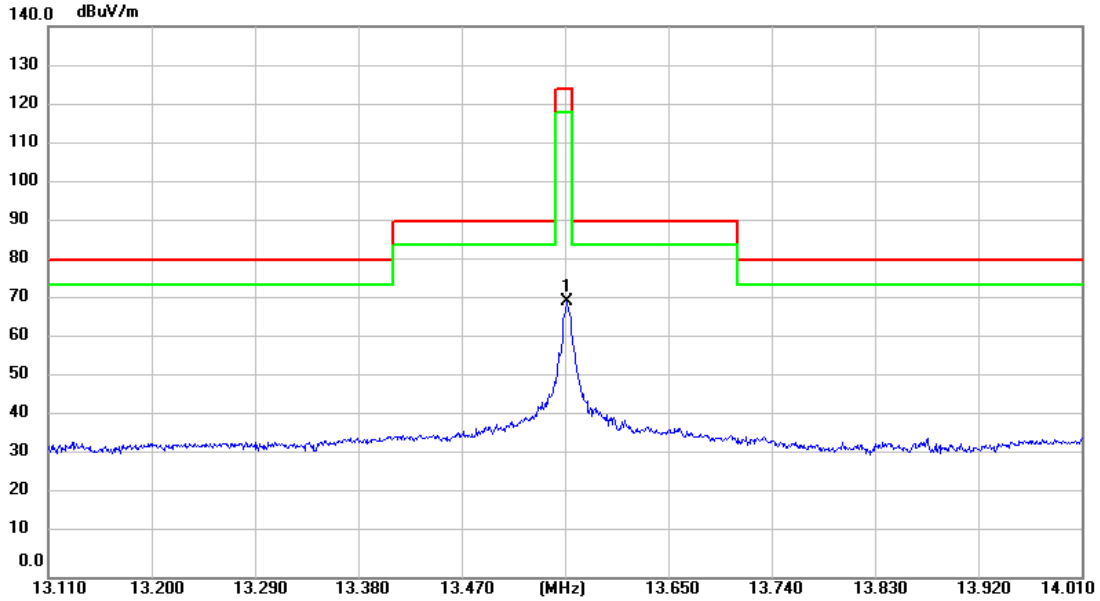
（B）Radiated Emission Test-Up Frequency 30MHz~1GHz



4.2.5 TEST RESULTS (BELOW 30MHz)

EUT：	Smartphone	Model Name. ：	KINGKONG MINI 4
Temperature：	20 ℃	Relative Humidtity：	54%
Pressure：	1010 hPa	Test Voltage ：	DC 3.85V
Test Mode ：	TX-13.56MHz		

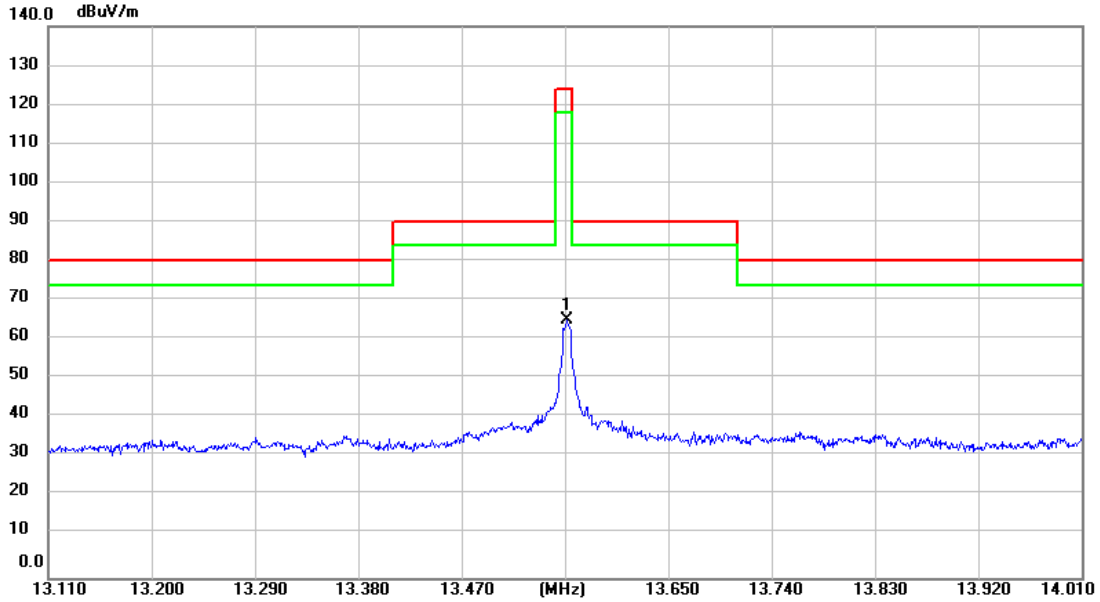
Measurement Plot (Polarity: X):



Measurement Result:

Frequency (MHz)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
13.5622	70.10	70.10	124.00	-53.90	peak

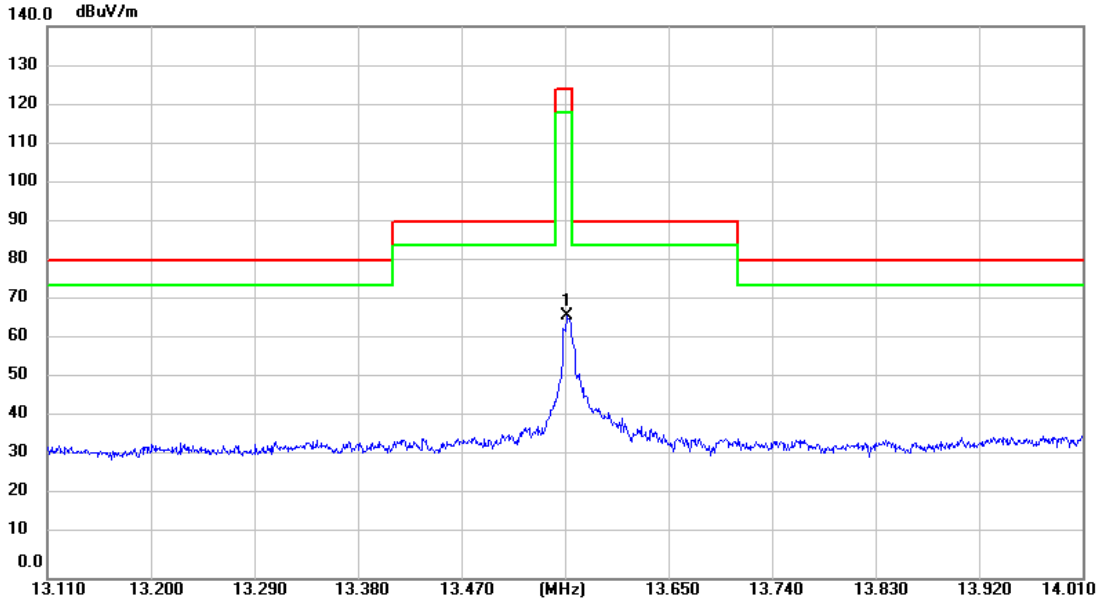
Measurement Plot (Polarity: Y):



Measurement Result:

Frequency (MHz)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
13.5610	65.69	65.69	124.00	-58.31	peak

Measurement Plot (Polarity: Z):



Measurement Result:

Frequency (MHz)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
13.5622	66.60	66.60	124.00	-57.40	peak

Spurious emissions at 9KHz~13.110MHz & 14.010MHz~30MHz

Frequency(MHz)	Ant.Pol.	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
0.071	X	56.32	130.579	-74.26	PK
0.071	X	48.59	110.579	-61.99	Avg
0.098	X	58.15	127.78	-69.63	PK
0.098	X	45.36	107.78	-62.42	Avg
0.114	X	80.89	126.466	-45.58	PK
0.114	X	72.85	106.466	-33.62	Avg
0.814	X	46.25	69.392	-23.14	QP
1.632	X	44.61	69.54	-24.93	QP
12.851	X	42.62	69.54	-26.92	QP

Note:

Below 30MHz, Pre-test the X, Y, Z axis to find X axis is worst case, so only record X axis test data.

X: Field strength which this device generates since the position of the charging coil and loop antenna differ by 0 degrees.

Y: Field strength which this device generates since the position of the charging coil and loop antenna differ by 90 degrees.

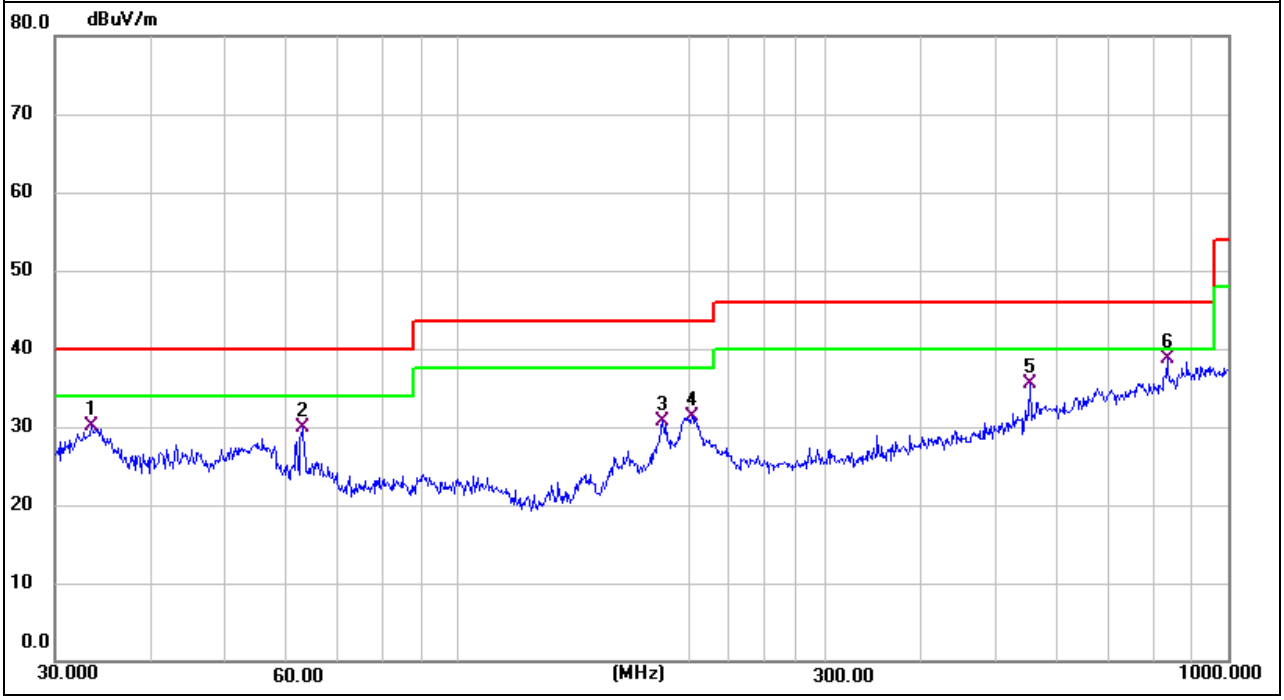
Z: Field strength which this device generates since the position of the charging coil and loop antenna differ by 180 degrees

4.2.6 TEST RESULTS (BETWEEN 30 – 1000 MHZ)

EUT :	Smartphone	Model Name :	KINGKONG MINI 4
Temperature :	25.6 ℃	Relative Humidity :	54%
Pressure :	1010 hPa	Test Voltage :	DC 3.85V
Test Mode :	TX	Polarization :	Horizontal

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
33.4450	13.01	17.04	30.05	40.00	-9.95	QP
62.8706	11.35	18.47	29.82	40.00	-10.18	QP
184.4898	13.92	16.73	30.65	43.50	-12.85	QP
201.3930	13.19	18.11	31.30	43.50	-12.20	QP
552.8831	9.84	25.64	35.48	46.00	-10.52	QP
833.3170	8.67	30.10	38.77	46.00	-7.23	QP

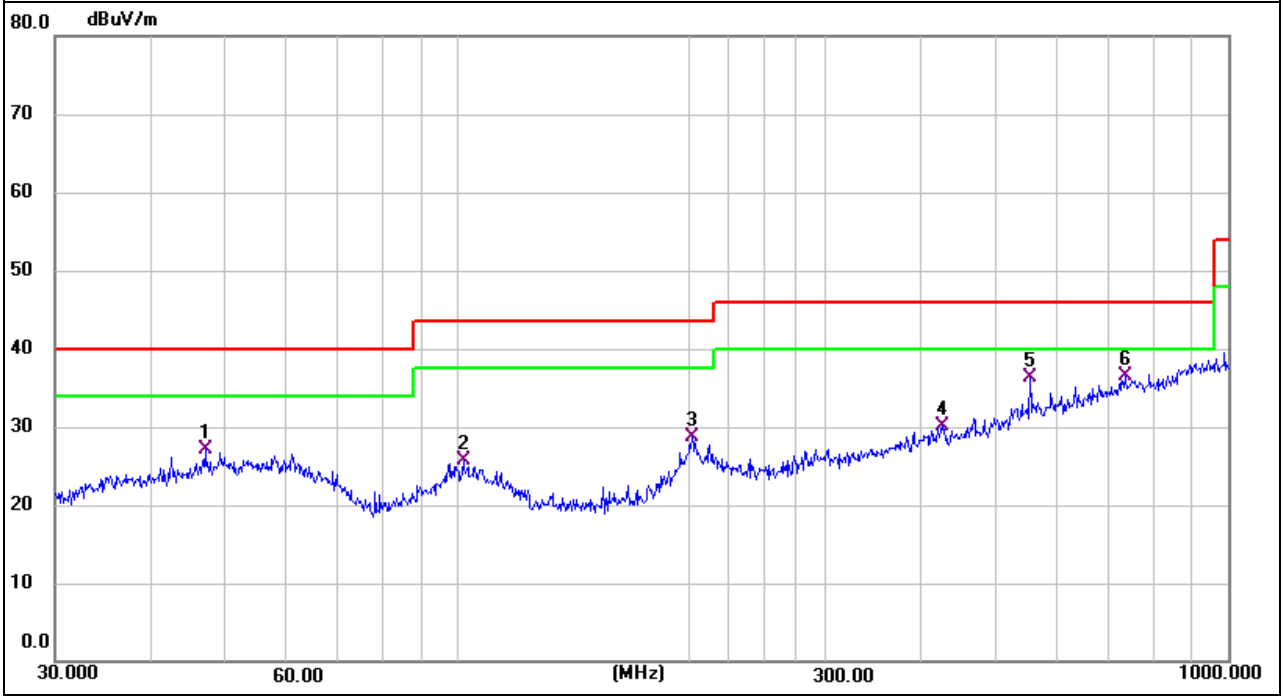
Remark:
Factor = Antenna Factor + Cable Loss.



EUT：	Smartphone	Model Name ：	KINGKONG MINI 4
Temperature：	25.6℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Voltage ：	DC 3.85V
Test Mode ：	TX	Polarization：	Vertical

Freq.	Reading	Factor	Measurement	Limit	Over	Detector
(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
46.9947	7.35	19.66	27.01	40.00	-12.99	QP
101.6443	7.75	17.95	25.70	43.50	-17.80	QP
201.3930	10.52	18.11	28.63	43.50	-14.87	QP
425.0280	6.68	23.43	30.11	46.00	-15.89	QP
552.8831	10.68	25.64	36.32	46.00	-9.68	QP
734.4913	7.68	28.87	36.55	46.00	-9.45	QP

Remark:
Factor = Antenna Factor + Cable Loss.



5. BANDWIDTH TEST

5.1 TEST PROCEDURE

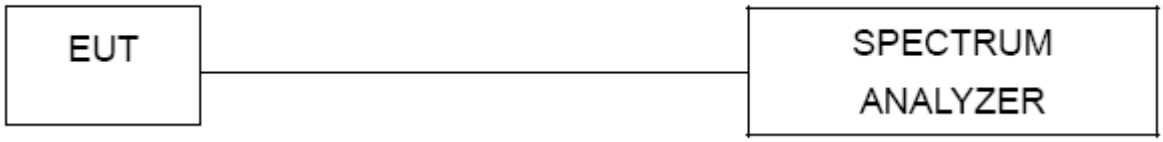
1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak mode.
2. 20dB Bandwidth the resolution bandwidth of 1 kHz and the video bandwidth of 1 kHz were used.
3. Measured the spectrum width with power higher than 20dB below carrier.

5.2 DEVIATION FROM STANDARD

15.215
(c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated

FCC Part15.225
Operation within the band 13.110 – 14.010MHz

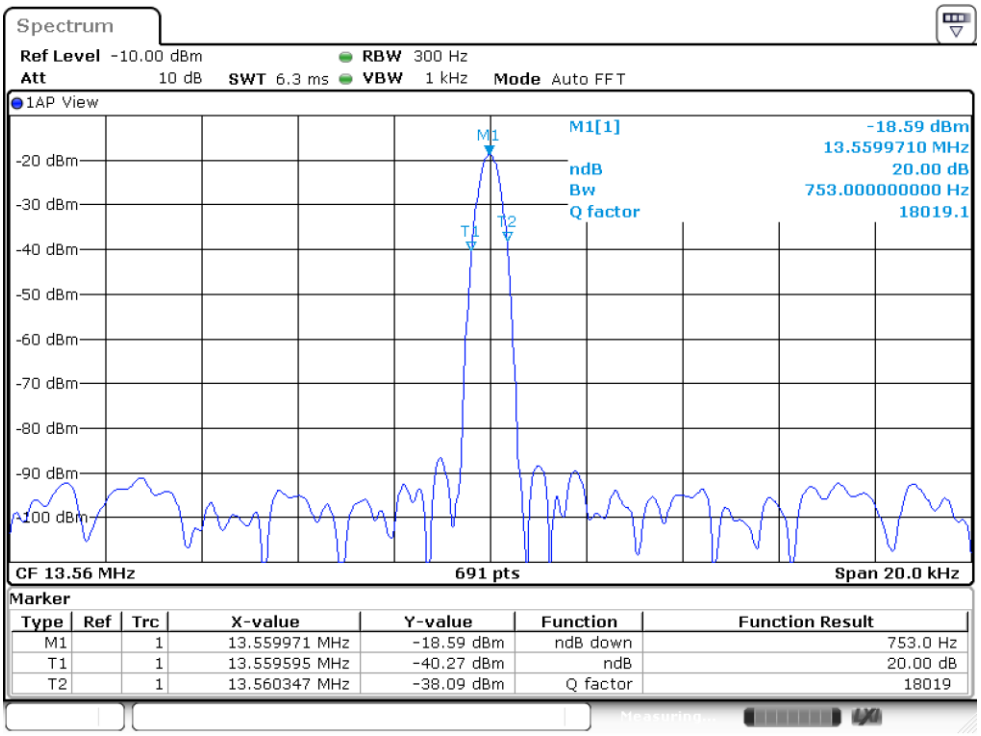
5.3 TEST SETUP



5.4 TEST RESULTS

EUT：	Smartphone	Model Name ：	KINGKONG MINI 4
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1020 hPa	Test Power ：	DC 3.85V
Test Mode ：	TX		

Test Channel	Frequency (MHz)	20 dBc Bandwidth (kHz)
CH01	13.56	0.753



6. FREQUENCY TOLERANCE

6.1 Requirement:

Test Requirement:	FCC Part15.225
Test Method:	ANSI C63.4:2014
Requirement:	The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% of the operating frequency over a temperature variation of –20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

6.2 Test Procedure

1.The EUT was placed on a turn table which is 0.8m above ground plane.

2.Set EUT as normal operation

3.Set SPA Center Frequency = fundamental frequency, RBW, VBW= 10kHz, Span =100kHz.

4.Set SPA Max hold. Mark peak.

Test Result

Power Supply	Temperature (℃)	Measured Frequency (MHz)	Frequency Error (MHz)	Result (ppm)	Part 15.225 Limit
DC 4.43V	-20	13.56015	0.00015	11.0619469	+/- 0.01%(100ppm)
	20	13.56013	0.00013	9.5870206	+/- 0.01%(100ppm)
	50	13.56025	0.00025	18.4365782	+/- 0.01%(100ppm)
DC 3.85V	-20	13.56021	0.00021	15.4867257	+/- 0.01%(100ppm)
	20	13.56021	0.00021	15.4867257	+/- 0.01%(100ppm)
	50	13.56019	0.00019	14.0117994	+/- 0.01%(100ppm)
DC 3.27V	-20	13.56017	0.00017	12.5368732	+/- 0.01%(100ppm)
	20	13.56015	0.00015	11.0619469	+/- 0.01%(100ppm)
	50	13.56014	0.00014	10.3244838	+/- 0.01%(100ppm)

END REPORT