SAR Test Report

Report No.: STS2503339H01

Issued for

UNNECTO HOLDING LIMITED

13/F HARBOUR COMMERCIAL BUILDING 122-124
CONNAUGHT ROAD CENTRAL SHEUNG WAN HK

Product Name:	Mobile Phone
Brand Name:	unnecto ™
Model Name:	Bolt 1
Series Model(s):	N/A
FCC ID:	2ADR3UB010
Test Standard:	ANSI/IEEE Std. C95.1 FCC 47 CFR Part 2 (2.1093) IEEE Std. 1528-2013
Max. Report SAR (1g)	Head: 0.769 W/kg Body: 0.960 W/kg

TEST REPORT CERTIFICATION

Applicant's name	:	UNNECTO HOLDING LIMITED
Address	:	13/F HARBOUR COMMERCIAL BUILDING 122-124 CONNAUGHT ROAD CENTRAL SHEUNG WAN HK
Manufacturer's Name	:	TEM MOBILE LIMITED
Address	:	13/F., Harbour Commercial Building, 122-124 Connaught Road Central, Sheung Wan, Hong Kong

Product description

Product name	:	Mobile Phone
Brand name	:	unnecto ™
Model name	:	Bolt 1
Series Model	:	N/A
Standards	:	ANSI/IEEE Std. C95.1 FCC 47 CFR Part 2 (2.1093) IEEE Std. 1528-2013

The device was tested by Shenzhen STS Test Services Co., Ltd. in accordance with the measurement methods and procedures specified in KDB 865664 The test results in this report apply only to the tested sample of the stated device/equipment. Other similar device/equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Date of Test	:	
Date (s) of performance of tests	:	01 Apr. 2025 ~ 06 Apr. 2025
Date of Issue	:	25 Apr. 2025
Test Result	:	**Pass**

Testing Engineer : Xin Liu

(Xin.Liu)

Technical Manager : Shi fan. long

(Shifan. Long)

Authorized Signatory : Bovey Yang

(Bovey Yang)

SHENZHEN STS TEST SERVICES CO., LTD. TESTING APPROVAL

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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	25 Apr. 2025	STS2503339H01	ALL	Initial Issue

1. General Information

Environmental evaluation measurements of specific absorption rate (SAR) distributions in emulated human head and body tissues exposed to radio frequency (RF) radiation from wireless portable devices for compliance with the rules and regulations of the U.S. Federal Communications Commission (FCC).

1.1 EUT Description

Product Name	Mobile Phone
Brand Name	unnecto ™
Model Name	Bolt 1
Series Model	N/A
Model Difference	N/A
Battery	Rated Voltage: 3.8V Charge Limit Voltage: 4.35V Capacity: 2000mAh
Device Category	Portable
Product stage	Production unit
RF Exposure Environment	General Population / Uncontrolled
Hardware Version	FS339-MB-V0.1A
Software Version	UB010_14g_MP.V01.00
Frequency Range	GSM 850: 824 MHz ~ 849 MHz PCS1900: 1850 MHz ~ 1910 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV:1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7:2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 700 MHz ~ 721 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 824 MHz / 824 MHz ~ 849 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 66: 1700 MHz ~ 1790 MHz WLAN802.11b/g/n20: 2412 MHz ~ 2462 MHz WLAN 802.11n40: 2422 MHz ~ 2452 MHz Bluetooth: 2402 MHz to 2480 MHz

	Band	Mode	Head (W/kg)	Body Worn (W/kg)
Max. Reported SAR(1g): (Limit:1.6W/kg) Test distance: Head:5mm Body:5mm	PCE	GSM 850	0.241	0.600
	PCE	GSM 1900	0.108	0.541
	PCE	WCDMA Band II	0.269	0.791
	PCE	WCDMA Band IV	0.280	0.847
	PCE	WCDMA Band V	0.186	0.623
	PCE	LTE Band 2	0.512	0.799
	PCE	LTE Band 4	0.310	0.948
	PCE	LTE Band 5	0.769	0.328
	PCE	LTE Band 7	0.728	0.596
	PCE	LTE Band 12	0.566	0.215
	PCE	LTE Band 13	0.762	0.408
	PCE	LTE Band 17	0.578	0.634
	PCE	LTE Band 25	0.452	0.723
	PCE	LTE Band 26	0.234	0.602
	PCE	LTE Band 38	0.477	0.347
	PCE	LTE Band 41	0.086	0.691
	PCE	LTE Band 66	0.467	0.960
	DTS	2.4G WLAN	0.064	0.076
	DSS	BT	0.062	0.055
1-g Sum SAR			0.833	1.036
FCC Equipment Class	Licensed Portable Transmitter Held to Ear (PCE) Part 15 Spread Spectrum Transmitter (DSS) Digital Transmission System (DTS)			
Operating Mode:	GSM: GSM Voice; GPRS/EGPRS Class 12 WCDMA: RMC, HSDPA, HSUPA Release 6 LTE: QPSK, 16QAM 2.4G WLAN : 802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM Bluetooth: GFSK +π/4DQPSK+8DPSK BLE: GFSK			
Antenna Specification:	GSM/WCDMA/LTE: PIFA Antenna Bluetooth: PIFA Antenna WLAN: PIFA Antenna			
SIM Card	Support dual-SIM, dual standby, the multiple SIM card with two lines cannot transmitting at the same time			
Hotspot Mode	Not Support			
DTM Mode	Not Support			

Note:
1. The dual SIM card mobile has 2 SIM slots and supports dual SIM dual standby. The WWAN radio transmission will be enabled by either one SIM at a time (Single active)
2. After pre-scan two SIM cards power, we found test result of the SIM1 was the worse, so we chose SIM1 card to perform all tests.
3. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power

1.2 Test Environment

Ambient conditions in the SAR laboratory:

Items	Required
Temperature (℃)	18-25
Humidity (%RH)	30-70

1.3 Test Factory

ShenZhen STS Test Services Co.,Ltd.

A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration No.: 625569

IC Registration No.: 12108A

A2LA Certificate No.: 4338.01

2. Test Standards and Limits

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	IEEE Std C95.1, 2019	IEEE Standard for Safety Levels with Respect to Human Exposure to Electric,Magnetic, and Electromagnetic Fields,0 Hz to 300 GHz. It specifies the maximum exposure limit of 1.6 W/kg as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D04 v01	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	FCC KDB 941225 D01 v03r01	SAR Measurement Procedures for 3G Devices
8	FCC KDB 941225 D05 v02r05	SAR for LTE Devices
9	FCC KDB 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
10	FCC KDB 248227 D01 Wi-Fi SAR v02r02	SAR Considerations for 802.11 Devices

(A). Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

(B). Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

NOTE: Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

Population/Uncontrolled Environments:

Are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Occupational/Controlled Environments:

Are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure, (i.e. as a result of employment or occupation).

NOTE

GENERAL POPULATION/UNCONTROLLED EXPOSURE

PARTIAL BODY LIMIT

1.6 W/kg

3. SAR Measurement System

3.1 Definition of Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.
The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$\mathbf{SAR} = \frac{d}{dt}\left(\frac{dW}{dm}\right) = \frac{d}{dt}\left(\frac{dW}{\rho dv}\right)$$

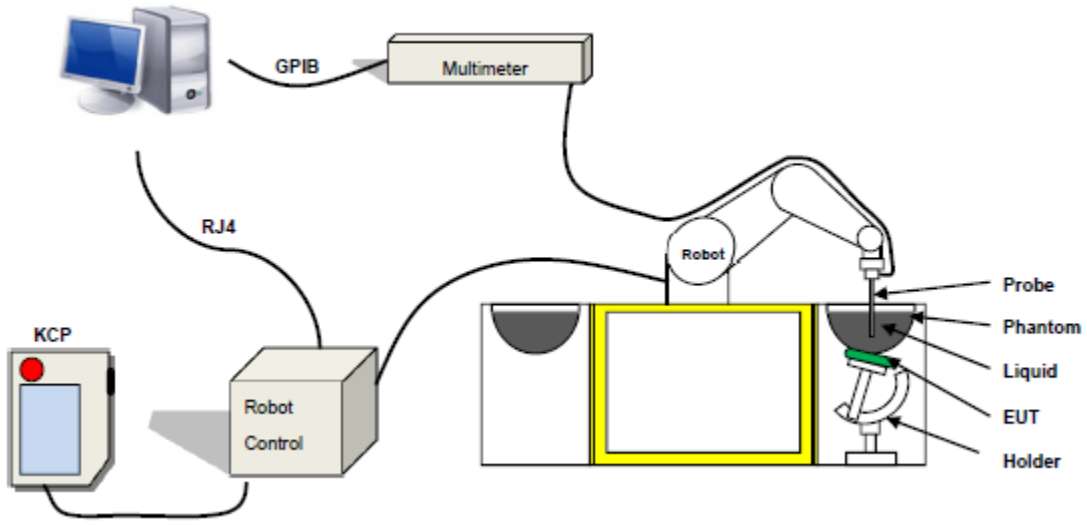
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

$$\mathbf{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,
ρ is the mass density of the tissue and E is the RMS electrical field strength.

3.2 SAR System

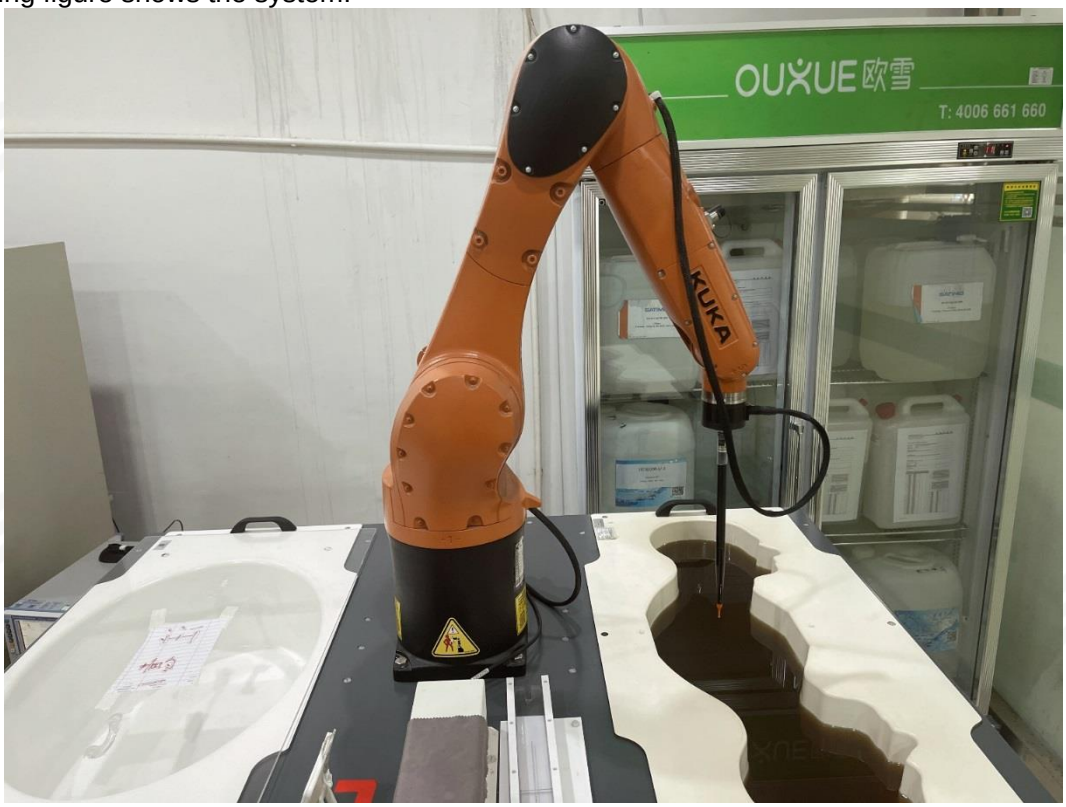
MVG SAR System Diagram:



COMOSAR is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The COMOSAR system consists of the following items:

- Main computer to control all the system
- 6 axis robot
- Data acquisition system
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.



The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The Open SAR software computes the results to give a SAR value in a 1g or 10g mass.

3.2.1 Probe

For the measurements the Specific Dosimetric E-Field Probe SN 08/21 EPGO352 with following specifications is used

- Probe Length: 330 mm
- Length of Individual Dipoles: 2 mm
- Maximum external diameter: 8 mm
- Probe Tip External Diameter: 2.5 mm
- Distance between dipole/probe extremity: 1 mm
- Dynamic range: 0.01-100 W/kg
- Probe linearity: 3%
- Axial Isotropy: < 0.10 dB
- Spherical Isotropy: < 0.10 dB
- Calibration range: 150 MHz to 6 GHz for head & body simulating liquid.
- Angle between probe axis (evaluation axis) and surface normal line: less than 30°

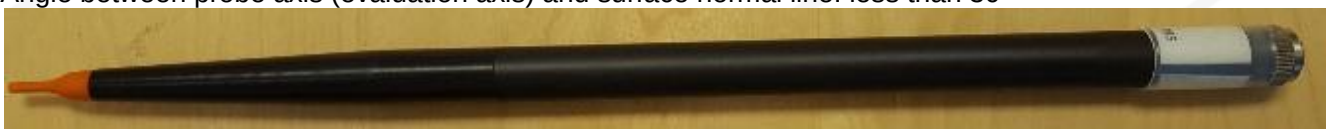


Figure 1-MVG COMOSAR Dosimetric E field Dipole

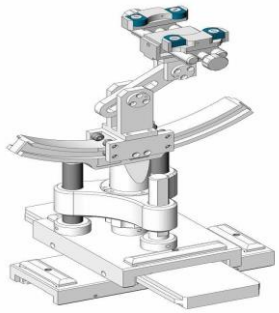
3.2.2 Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.

SN 32/14 SAM115

Figure-SN 21/21 ELLI48

3.2.3 Device Holder



The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of ± 0.5 mm would produce a SAR uncertainty of ± 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.4. Tissue Simulating Liquids

4. Tissue Simulating Liquids

4.1 Simulating Liquids Parameter Check

The simulating liquids should be checked at the beginning of a series of SAR measurements to determine of the dielectric parameters are within the tolerances of the specified target values

The uncertainty due to the liquid conductivity and permittivity arises from two different sources. The first source of error is the deviation of the liquid conductivity from its target value (max _ 5 %) and the second source of error arises from the measurement procedures used to assess conductivity. The uncertainty shall be assessed using a rectangular probability For 1 g averaging, the maximum weighting coefficient for SAR is 0,5.

IEEE SCC-34/SC-2 RECOMMENDED TISSUE DIELECTRIC PARAMETERS
The head and body tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 have been incorporated in the following table.

Frequency	εr	σ 10g S/m
300	45.3	0.87
450	43.5	0.87
750	41.9	0.89
835	41.5	0.90
900	41.5	0.97
1450	40.5	1.20
1800 to 2000	40.0	1.40
2100	39.8	1.49
2450	39.2	1.80
2600	39.0	1.96
3000	38.5	2.40
3500	37.9	2.91
4000	37.4	3.43
4500	36.8	3.94
5000	36.2	4.45
5200	36.0	4.66
5400	35.8	4.86
5600	35.5	5.07
5800	35.3	5.27

The following table gives the recipes for tissue simulating liquid and the theoretical Conductivity/Permittivity.

Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	1.80	39.2
2600	54.9	0	0	0.1	0	45.0	1.96	39.0
Frequency (MHz)	Water (%)	Hexyl Carbitol (%)			Triton X-100 (%)		Conductivity σ (S/m)	Permittivity ε
5200	62.52	17.24			17.24		4.66	36.0
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ε
5200	78.60	21.40			/		5.30	49.00
5800	78.50	21.40			0.1		6.00	48.20

LIQUID MEASUREMENT RESULTS

Date	Ambient		Simulating Liquid		Parameters	Target	Measured	Deviation %	Limited %
	Temp. [°C]	Humidity %	Frequency (MHz)	Temp. [°C]					
2025-04-01	21.1	49	708	20.8	Permittivity	42.13	42.12	-0.02	±5
					Conductivity	0.89	0.90	1.45	±5
2025-04-01	21.2	49	710	20.9	Permittivity	42.11	42.49	0.89	±5
					Conductivity	0.89	0.90	1.43	±5
2025-04-01	21.2	49	711	20.9	Permittivity	42.11	42.15	0.10	±5
					Conductivity	0.89	0.85	-4.21	±5
2025-04-01	21.2	50	750	20.9	Permittivity	41.90	42.14	0.57	±5
					Conductivity	0.89	0.92	3.37	±5
2025-04-01	21.3	50	782	21.0	Permittivity	41.73	42.05	0.77	±5
					Conductivity	0.89	0.85	-4.72	±5
2025-04-02	23.9	47	821.5	23.5	Permittivity	41.56	41.71	0.35	±5
					Conductivity	0.90	0.91	1.29	±5
2025-04-02	24.0	47	824.2	23.7	Permittivity	41.55	41.48	-0.17	±5
					Conductivity	0.90	0.94	4.59	±5
2025-04-02	24.1	48	831.5	23.8	Permittivity	41.52	40.94	-1.39	±5
					Conductivity	0.90	0.91	1.16	±5
2025-04-02	24.1	48	835	23.8	Permittivity	41.50	41.25	-0.60	±5
					Conductivity	0.90	0.88	-2.22	±5
2025-04-02	24.1	48	836.5	23.8	Permittivity	41.49	41.22	-0.66	±5
					Conductivity	0.90	0.92	2.20	±5
2025-04-02	24.1	48	836.6	23.8	Permittivity	41.49	41.23	-0.63	±5
					Conductivity	0.90	0.94	4.42	±5
2025-04-02	24.2	48	848.8	23.9	Permittivity	41.44	41.90	1.12	±5
					Conductivity	0.90	0.89	-1.29	±5
2025-04-03	22.9	45	1712.6	22.5	Permittivity	40.12	41.32	2.98	±5
					Conductivity	1.35	1.41	4.44	±5
2025-04-03	22.9	45	1720	22.7	Permittivity	40.11	40.75	1.58	±5
					Conductivity	1.35	1.38	1.90	±5
2025-04-03	23.0	46	1732.5	22.7	Permittivity	40.10	40.72	1.56	±5
					Conductivity	1.36	1.34	-1.57	±5
2025-04-03	23.0	46	1740	22.6	Permittivity	40.09	40.63	1.36	±5
					Conductivity	1.37	1.34	-1.88	±5
2025-04-03	23.0	46	1745	22.7	Permittivity	40.08	40.89	2.02	±5
					Conductivity	1.37	1.41	3.03	±5

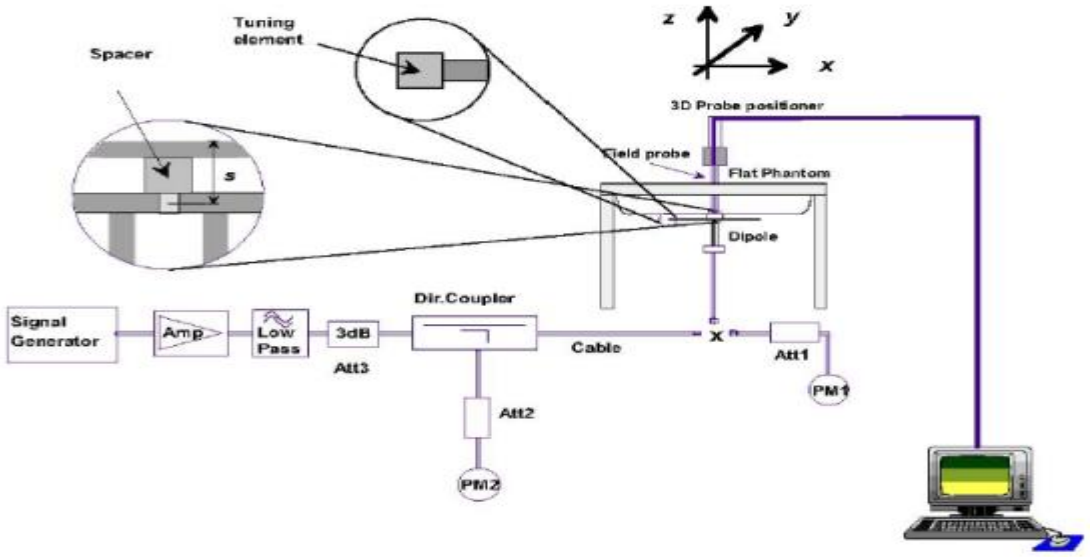
2025-04-03	23.1	46	1752.4	22.8	Permittivity	40.07	40.82	1.88	±5
					Conductivity	1.37	1.43	4.17	±5
2025-04-03	23.2	46	1755	22.9	Permittivity	40.06	40.89	2.06	±5
					Conductivity	1.37	1.35	-1.77	±5
2025-04-03	23.3	46	1770	23.0	Permittivity	40.04	40.61	1.42	±5
					Conductivity	1.38	1.42	2.69	±5
2025-04-03	23.3	46	1800	23.1	Permittivity	40.00	41.02	2.55	±5
					Conductivity	1.40	1.44	2.86	±5
2025-04-04	23.9	57	1850.2	23.6	Permittivity	40.00	41.06	2.65	±5
					Conductivity	1.40	1.44	2.86	±5
2025-04-04	23.9	57	1852.4	23.6	Permittivity	40.00	40.93	2.33	±5
					Conductivity	1.40	1.41	0.71	±5
2025-04-04	23.9	58	1860	23.5	Permittivity	40.00	40.98	2.45	±5
					Conductivity	1.40	1.46	4.29	±5
2025-04-04	23.9	58	1880	23.6	Permittivity	40.00	40.51	1.28	±5
					Conductivity	1.40	1.40	0.00	±5
2025-04-04	24.0	58	1882.5	23.7	Permittivity	40.00	40.54	1.35	±5
					Conductivity	1.40	1.39	-0.71	±5
2025-04-04	24.1	59	1900	23.8	Permittivity	40.00	41.30	3.25	±5
					Conductivity	1.40	1.42	1.43	±5
2025-04-04	24.1	59	1905	23.8	Permittivity	40.00	40.49	1.23	±5
					Conductivity	1.40	1.45	3.57	±5
2025-04-04	24.1	59	1907.6	23.8	Permittivity	40.00	39.92	-0.20	±5
					Conductivity	1.40	1.38	-1.43	±5
2025-04-05	23.0	49	2402	22.6	Permittivity	39.29	40.21	2.35	±5
					Conductivity	1.76	1.74	-0.99	±5
2025-04-05	23.0	49	2450	22.7	Permittivity	39.20	39.55	0.89	±5
					Conductivity	1.80	1.74	-3.33	±5

2025-04-05	23.1	50	2462	22.8	Permittivity	39.18	39.68	1.28	±5
					Conductivity	1.81	1.84	1.62	±5
2025-04-06	22.3	50	2510	22.0	Permittivity	39.12	39.97	2.17	±5
					Conductivity	1.86	1.91	2.47	±5
2025-04-06	22.3	50	2535	22.0	Permittivity	39.09	39.45	0.93	±5
					Conductivity	1.89	1.86	-1.62	±5
2025-04-06	22.4	50	2560	22.0	Permittivity	39.05	39.10	0.12	±5
					Conductivity	1.92	1.99	3.79	±5
2025-04-06	22.5	51	2593	22.2	Permittivity	39.01	39.00	-0.02	±5
					Conductivity	1.95	1.94	-0.64	±5
2025-04-06	22.5	51	2600	22.2	Permittivity	39.00	39.34	0.87	±5
					Conductivity	1.96	2.00	2.04	±5
2025-04-06	22.6	51	2610	22.3	Permittivity	38.99	39.38	1.01	±5
					Conductivity	1.97	2.02	2.50	±5

5. SAR System Validation

5.1 Validation System

Each MVG system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the MVG software, enable the user to conduct the system performance check and system validation. System kit includes a dipole, and dipole device holder.
The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system validation setup is shown as below.



5.2 Validation Result

Justification for Extended SAR Dipole Calibrations

Usage of SAR dipoles calibrated less than 3 years ago but more than 1 year ago were confirmed in maintaining retum loss (>20 dB, within 20% of prior calibration) and impedance (within 5 ohm from prior calibration) requirements per extended calibrations in KDB 865664 D01:

Dipole		Date of Measurement	Return Loss (dB)	Delta (%)	Impedance	Delta(ohm)
SN 30/14 DIP0G750-331	Head Liquid	2023-07-04	-25.47	/	55.2	/
		2024-07-01	-25.98	2.00	54.86	-0.62
SN 30/14 DIP0G835-332	Head Liquid	2023-07-04	-28.13	/	51.4	/
		2024-07-01	-28.43	1.07	52.62	2.37
5023-DIP1G800-747	Head Liquid	2023-07-04	-27.38	/	50.2	/
		2024-07-01	-29.08	6.21	46.36	-7.65
SN 30/14 DIP1G900-333	Head Liquid	2023-07-04	-23.66	/	51.4	/
		2024-07-01	-23.62	-0.17	50.73	-1.30
SN 30/14 DIP2G450-335	Head Liquid	2023-07-04	-26.03	/	46.3	/
		2024-07-01	-26.42	1.50	47.25	2.05
SN 30/14 DIP2G600-336	Head Liquid	2023-07-04	-34.32	/	50.3	/
		2024-07-01	-34.78	1.34	49.61	-1.37

Comparing to the original SAR value provided by MVG, the validation data should be within its specification of 10 %.

Date	Freq.	Power	Tested Value	Normalized SAR	Target SAR	Tolerance	Limit
	(MHz)	(mW)	(W/Kg)	(W/kg)	1g(W/kg)	(%)	(%)
2025-04-01	750	100	0.844	8.44	8.49	-0.59	10
2025-04-02	835	100	0.968	9.68	9.63	0.52	10
2025-04-03	1800	100	3.862	38.62	38.40	0.57	10
2025-04-04	1900	100	4.114	41.14	39.84	3.26	10
2025-04-05	2450	100	5.385	53.85	54.70	-1.55	10
2025-04-06	2600	100	5.630	56.30	56.19	0.20	10

Note:

1. The tolerance limit of System validation ±10%.
2. The dipole input power (forward power) was 100 mW.
3. The results are normalized to 1 W input power.

6. SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:
The following steps are used for each test position

- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

➢ Area Scan& Zoom Scan

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01 quoted below. When the 1-g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7. EUT Antenna Location Sketch

It is a Smart phone, support GSM/WCDMA/LTE/WLAN/BT mode.

Top side

Right side

Left side

Bottom side

Front view)

Antenna Separation Distance(cm)						
ANT	Back Side	Front Side	Left Side	Right Side	Top Side	Bottom Side
WLAN/BT	≤0.5	≤0.5	6	≤0.5	≤0.5	13.5
WWAN	≤0.5	≤0.5	1	≤0.5	13	≤0.5

Note 1: The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.

7.1 SAR test exclusion consider table

The WWAN/WLAN/BT SAR evaluation of Maximum power (dBm) summing tolerance.

Exposure Position	Wireless Interface	GSM850	PCS1900	WCDMA II	WCDMA IV	WCDMA V
	Calculated Frequency(GHz)	0.8366	1.8502	1.8524	1.7524	0.8366
	Maximum Turn-up power (dBm)	25	27	18	19	20
	Maximum rated power(mW)	316.23	501.19	63.10	79.43	100.00
Back Side	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	9.22	3.44	3.43	3.27	6.49
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	9.22	3.44	3.43	3.27	6.49
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (cm)	1	1	1	1	1
	exclusion threshold(mW)	24.60	12.31	12.30	12.17	20.63
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	9.22	3.44	3.43	3.27	6.49
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (cm)	13	13	13	13	13
	exclusion threshold(mW)	927.63	1384.40	1384.25	1578.97	1491.10
	Testing required?	NO	NO	NO	NO	NO
Bottom Edge	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	9.22	3.44	3.43	3.27	6.49
	Testing required?	YES	YES	YES	YES	YES

Exposure Position	Wireless Interface	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12
	Calculated Frequency(GHz)	1.9	1.7325	0.8365	2.51	0.711
	Maximum Turn-up power (dBm)	19.5	20	24.5	21.5	24
	Maximum rated power(mW)	89.13	100.00	281.84	141.25	251.19
Back Side	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	3.36	3.62	9.22	2.69	11.59
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	3.36	3.62	9.22	2.69	11.59
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (cm)	1	1	1	1	1
	exclusion threshold(mW)	12.10	12.85	24.60	10.10	28.71
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	3.36	3.62	9.22	2.69	11.59
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (cm)	13	13	13	13	13
	exclusion threshold(mW)	1380.96	1392.94	927.55	1345.46	825.18
	Testing required?	NO	NO	NO	NO	NO
Bottom Edge	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	3.36	3.62	9.22	2.69	11.59
	Testing required?	YES	YES	YES	YES	YES

Exposure Position	Wireless Interface	LTE Band 13	LTE Band 17	LTE Band 25	LTE Band 26	LTE Band 38
	Calculated Frequency(GHz)	0.782	0.711	1.8825	0.8315	2.61
	Maximum Turn-up power (dBm)	24.5	24	18.5	23	24
	Maximum rated power(mW)	281.84	251.19	70.79	199.53	251.19
Back Side	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	10.14	11.59	3.39	6.52	2.61
	Testing required?	YES	YES	YES	YES	YES
Front Side	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	10.14	11.59	3.39	6.52	2.61
	Testing required?	YES	YES	YES	YES	YES
Left Edge	Separation distance (cm)	1	1	1	1	1
	exclusion threshold(mW)	26.23	28.71	12.17	20.71	9.84
	Testing required?	YES	YES	YES	YES	YES
Right Edge	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	10.14	11.59	3.39	6.52	29.36
	Testing required?	YES	YES	YES	YES	YES
Top Edge	Separation distance (cm)	13	13	13	13	13
	exclusion threshold(mW)	883.66	825.18	1382.16	1491.95	1340.55
	Testing required?	NO	NO	NO	NO	NO
Bottom Edge	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	10.14	11.59	3.39	6.52	2.61
	Testing required?	YES	YES	YES	YES	YES

Exposure Position	Wireless Interface	LTE Band 41	LTE Band 66	BT	2.4G WLAN
	Calculated Frequency(GHz)	2.593	1.77	2.402	2.462
	Maximum Turn-up power (dBm)	21.5	18.5	8.5	16.5
	Maximum rated power(mW)	141.25	70.79	7.08	44.67
Back Side	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	2.62	3.56	2.79	2.73
	Testing required?	YES	YES	YES	YES
Front Side	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	2.62	3.56	2.79	2.73
	Testing required?	YES	YES	YES	YES
Left Edge	Separation distance (cm)	1	1	6	6
	exclusion threshold(mW)	9.88	12.67	311.44	309.44
	Testing required?	YES	YES	NO	NO
Right Edge	Separation distance (cm)	≤0.5	≤0.5	≤0.5	≤0.5
	exclusion threshold(mW)	2.62	3.56	2.79	2.73
	Testing required?	YES	YES	YES	YES
Top Edge	Separation distance (cm)	13	13	≤0.5	≤0.5
	exclusion threshold(mW)	1341.37	1390.15	2.79	2.73
	Testing required?	NO	NO	YES	YES
Bottom Edge	Separation distance (cm)	≤0.5	≤0.5	13.5	13.5
	exclusion threshold(mW)	2.62	3.56	1451.32	1448.27
	Testing required?	YES	YES	NO	NO

Note：

1. maximum power is the source-based time-average power and represents the maximum RF output power among production units.
2. Per KDB 447498 D04, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
3. Per KDB 447498 D04, if the maximum time-averaged power available does not exceed 1 mW. This stand-alone SAR exemption test.
4. Per KDB 447498 D04, the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold Pth (mW) described in the

following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). Pth is given by:

$$P_{th}\ (\text{mW}) = \begin{cases} ERP_{20\ cm}(d/20\ \text{cm})^{x} & d \le 20\ \text{cm} \\ ERP_{20\ cm} & 20\ \text{cm} < d \le 40\ \text{cm} \end{cases}$$

Where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\ cm}\sqrt{f}}\right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20\ cm}\ (\text{mW}) = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases}$$

d = the separation distance (cm);

5. Per KDB 447498 D04, An alternative to the SAR-based exemption is using below table and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in below table to apply, R must be at least λ/2π, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of λ/4 or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

RF Source frequency (MHz)	Threshold ERP(watts)
0.3-1.34	1,920 R^2.
1.34-30	3,450 R^2/f^2.
30-300	3.83 R^2.
300-1,500	0.0128 R^2f.
1,500-100,000	19.2R^2.

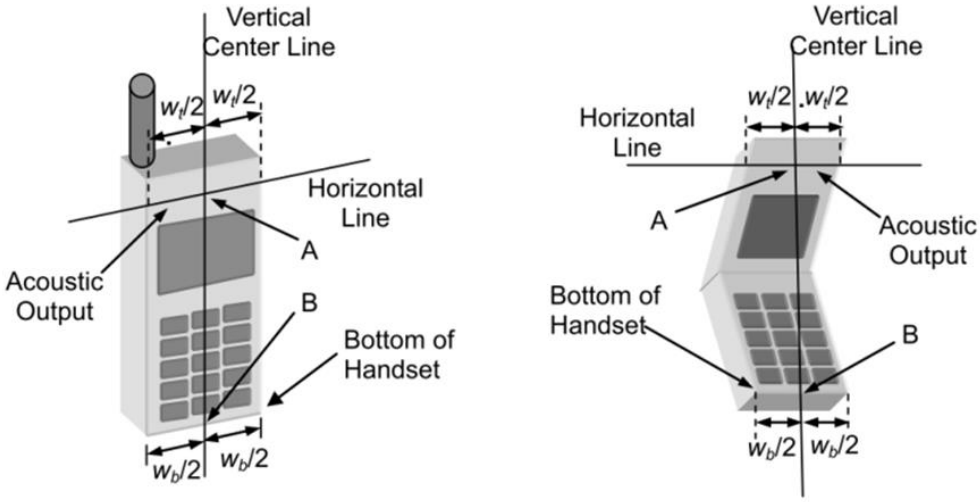
6. Per KDB 248227 D01, choose the highest output power channel to test SAR and determine further SAR exclusion 8.for each frequency band ,testing at higher data rates and higher order modulations is not required when the maximum average output power for each of each of these configurations is less than 1/4db higher than those measured at the lower data rate than 11b mode ,thus the SAR can be excluded.
7. Per KDB 616217 D04, SAR evaluation for the front surface of tablet display screens are generally not necessary.
8. Per KDB 248227, as maximum rated power for U-NII-2A＞U-NII-1, U-NII-2A was chosen for SAR evaluation. Based on the measurements obtained, SAR measurements on U-NII-1 are not required as highest reported SAR from U-NII-2A band is≤1.2W/Kg.

8. EUT Test Position

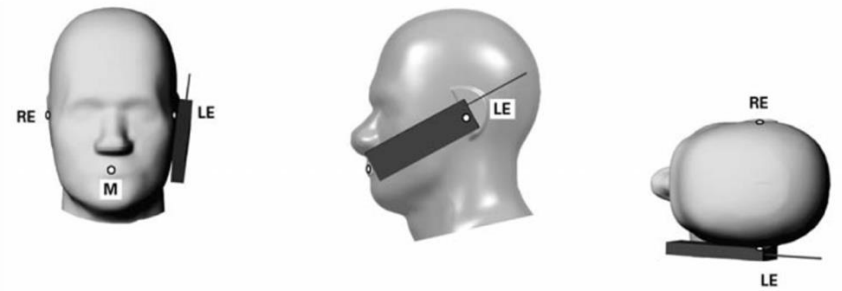
This EUT was tested in Right Cheek, Right Titled, Left Cheek, Left Titled, Front Face and Rear Face.

8.1 Define Two Imaginary Lines on the Handset

(1)The vertical centerline passes through two points on the front side of the handset the midpoint of the width wt of the handset at the level of the acoustic output, and the midpoint of the width wb of the handset.
(2)The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
(3)The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical centerline is not necessarily to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



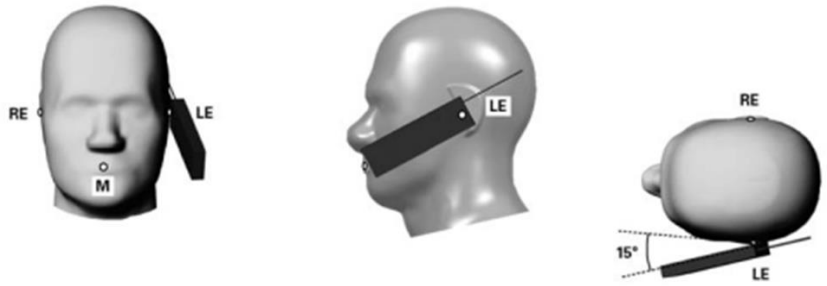
Cheek Position
1) To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
2) To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost



Title Position

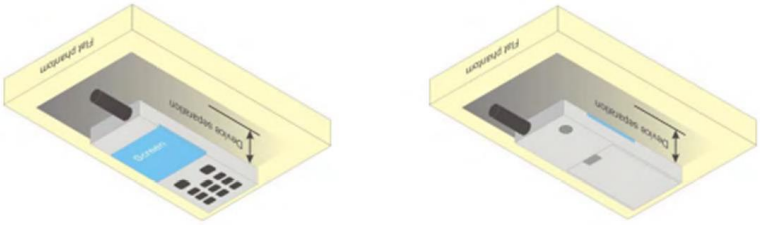
(1)To position the device in the “cheek” position described above.

(2) While maintaining the device in the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until with the ear is lost.



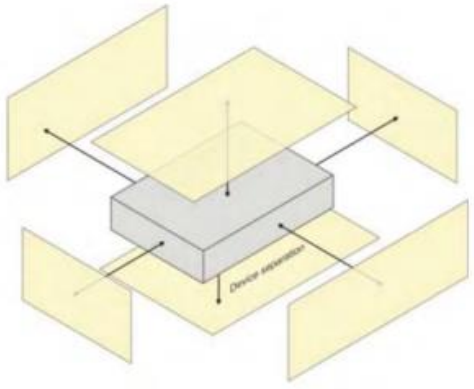
Body-worn Position Conditions:

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. When the same wireless transmission configuration is used for testing body-worn accessory and hotspot mode SAR, respectively, in voice and data mode, SAR results for the most conservative *test separation distance* configuration may be used to support both SAR conditions. When the *reported* SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest *reported* SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.



8.2 Hotspot mode exposure position condition

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing function, the relevant hand and body exposure condition are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom and all surface and edges with a transmitting antenna located within 25 mm form that surface or edge. When form factor of a handset is smaller than 9cm x 5cm, a test separation distance of 5mm (instead of 5mm) is required for testing hotspot mode. When the separate distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).



9. Uncertainty

9.1 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in IEEE 1528: 2013.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

SATIMO Uncertainty- SN 08/21 EPGO352									
Measurement uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+- %)	10g Ui (+- %)	vi
Measurement System									
Probe calibration	E.2.1	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	0.71	0.71	0.07	0.07	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.71	0.71	0.42	0.42	∞
Boundary effect	E.2.3	0.80	R	1.73	1.00	1.00	0.46	0.46	∞
Linearity	E.2.4	1.25	R	1.73	1.00	1.00	0.72	0.72	∞
System detection limits	E.2.4	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Modulation response	E2.5	3.42	R	1.73	1.00	1.00	1.97	1.97	∞
Readout Electronics	E.2.6	0.26	N	1.00	1.00	1.00	0.26	0.26	∞
Response Time	E.2.7	0.17	R	1.73	1.00	1.00	0.10	0.10	∞
Integration Time	E.2.8	1.43	R	1.73	1.00	1.00	0.83	0.83	∞
RF ambient conditions-Noise	E.6.1	3.51	R	1.73	1.00	1.00	2.03	2.03	∞
RF ambient conditions-reflections	E.6.1	3.15	R	1.73	1.00	1.00	1.82	1.82	∞
Probe positioner mechanical tolerance	E.6.2	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.40	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.10	R	1.73	1.00	1.00	1.21	1.21	∞
Test sample Related									
Test sample positioning	E.4.2	3.10	N	1.00	1.00	1.00	3.10	3.10	∞
Device holder uncertainty	E.4.1	3.80	N	1.00	1.00	1.00	3.80	3.80	∞
Output power variation—SAR drift measurement	E.2.9	4.50	R	1.73	1.00	1.00	2.60	2.60	∞
SAR scaling	E.6.5	1.80	R	1.73	1.00	1.00	1.04	1.04	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	3.70	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.90	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	2.40	R	1.73	0.78	0.71	1.08	0.98	M
Liquid permittivity measurement	E.3.3	4.10	N	1.00	0.78	0.71	3.20	2.91	M
Liquid conductivity—temperature uncertainty	E.3.4	2.70	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity—temperature uncertainty	E.3.4	4.80	N	1.00	0.23	0.26	1.10	1.25	∞
Combined Standard Uncertainty			RSS				10.08	9.59	
Expanded Uncertainty (95% Confidence interval)			K=2				19.58	19.18	

SATIMO Uncertainty- SN 08/21 EPGO352									
System Validation uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration	E.2.1	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	1.00	1.00	0.10	0.10	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.00	0.00	0.00	0.00	∞
Boundary effect	E.2.3	0.80	R	1.73	1.00	1.00	0.46	0.46	∞
Linearity	E.2.4	1.25	R	1.73	1.00	1.00	0.72	0.72	∞
System detection limits	E.2.4	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Modulation response	E2.5	3.42	R	1.73	0.00	0.00	0.00	0.00	∞
Readout Electronics	E.2.6	0.26	N	1.00	1.00	1.00	0.26	0.26	∞
Response Time	E.2.7	0.17	R	1.73	0.00	0.00	0.00	0.00	∞
Integration Time	E.2.8	1.43	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.51	R	1.73	1.00	1.00	2.03	2.03	∞
RF ambient conditions-reflections	E.6.1	3.15	R	1.73	1.00	1.00	1.82	1.82	∞
Probe positioner mechanical tolerance	E.6.2	1.20	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.40	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.10	R	1.73	1.00	1.00	1.21	1.21	∞
System validation source									
Deviation of experimental dipole from numerical dipole	E.6.4	4.80	N	1.00	1.00	1.00	4.80	4.80	∞
Input power and SAR drift measurement	8,6.6.4	5.10	R	1.73	1.00	1.00	2.94	2.94	∞
Dipole axis to liquid distance	8,E.6.6	2.40	R	1.73	1.00	1.00	1.39	1.39	∞
Phantom and set-up									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	3.70	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.90	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity （temperature uncertainty）	E.3.3	2.40	R	1.73	0.78	0.71	1.08	0.98	∞
Liquid conductivity （measured）	E.3.3	4.10	N	1.00	0.78	0.71	3.20	2.91	M
Liquid permittivity （temperature uncertainty）	E.3.4	2.70	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity （measured）	E.3.4	4.80	N	1.00	0.23	0.26	1.10	1.25	M
Combined Standard Uncertainty			RSS				9.72	9.52	
Expanded Uncertainty (95% Confidence interval)			K=2				19.44	19.03	

SATIMO Uncertainty- SN 08/21 EPGO352									
◦ System Check uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
		(+- %)							
Measurement System									
Probe calibration drift	E.2.1.3	5.72	N	1.00	1.00	1.00	5.72	5.72	∞
Axial Isotropy	E.2.2	0.18	R	1.73	0.00	0.00	0.00	0.00	∞
Hemispherical Isotropy	E.2.2	1.04	R	1.73	0.00	0.00	0.00	0.00	∞
Boundary effect	E.2.3	0.8	R	1.73	0.00	0.00	0.00	0.00	∞
Linearity	E.2.4	1.25	R	1.73	0.00	0.00	0.00	0.00	∞
System detection limits	E.2.4	1.20	R	1.73	0.00	0.00	0.00	0.00	∞
Modulation response	E2.5	3.42	R	1.73	0.00	0.00	0.00	0.00	∞
Readout Electronics	E.2.6	0.26	N	1.00	0.00	0.00	0.00	0.00	∞
Response Time	E.2.7	0.17	R	1.73	0.00	0.00	0.00	0.00	∞
Integration Time	E.2.8	1.43	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.51	R	1.73	0.00	0.00	0.00	0.00	∞
RF ambient conditions-reflections	E.6.1	3.15	R	1.73	0.00	0.00	0.00	0.00	∞
Probe positioner mechanical tolerance	E.6.2	1.2	R	1.73	1.00	1.00	0.69	0.69	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	1.73	1.00	1.00	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	3.9	R	1.73	0.00	0.00	0.00	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	4.8	N	1.00	1.00	1.00	4.80	4.80	∞
Input power and SAR drift measurement	8,6.6.4	5.1	R	1.73	1.00	1.00	2.94	2.94	∞
Dipole axis to liquid distance	8,E.6.6	2.4	R	1.73	1.00	1.00	1.39	1.39	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	3.7	R	1.73	1.00	1.00	2.14	2.14	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1.00	1.00	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	2.4	R	1.73	0.78	0.71	1.08	0.98	∞
Liquid permittivity measurement	E.3.3	4.1	N	1.00	0.78	0.71	3.20	2.91	M
Liquid conductivity—temperature uncertainty	E.3.4	2.7	R	1.73	0.23	0.26	0.36	0.41	∞
Liquid permittivity—temperature uncertainty	E.3.4	4.8	N	1.00	0.23	0.26	1.10	1.25	M
Combined Standard Uncertainty			RSS				5.56	5.20	
Expanded Uncertainty (95% Confidence interval)			K=2				11.12	10.41	

10. Conducted Power Measurement

10.1 Test Result

Burst Average Power (dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM(GMSK, 1-Slot)	29.10	28.73	28.61	28.99	28.71	28.12
GPRS (GMSK, 1-Slot)	29.16	28.85	28.66	28.99	28.70	28.06
GPRS (GMSK, 2-Slot)	27.28	26.84	26.69	27.45	27.09	26.42
GPRS (GMSK, 3-Slot)	26.09	25.72	25.42	26.50	26.10	25.31
GPRS (GMSK, 4-Slot)	24.98	24.56	24.37	25.07	24.70	23.92
EGPRS(8PSK, 1-Slot)	24.69	25.00	24.67	26.35	26.47	26.14
EGPRS(8PSK, 2-Slot)	23.40	23.39	23.56	25.15	25.00	24.66
EGPRS(8PSK, 3-Slot)	21.00	20.94	21.14	22.68	23.05	22.39
EGPRS(8PSK, 4-Slot)	18.96	18.59	18.48	20.38	20.63	19.92

Remark: GPRS, CS4 coding scheme. EGPRS, MCS5 coding scheme.
Multi-Slot Class 8, Support Max 4 downlink, 1 uplink, 5 working link
Multi-Slot Class 10, Support Max 4 downlink, 2 uplink, 5 working link
Multi-Slot Class 12, Support Max 4 downlink, 4 uplink, 5 working link

Frame- Average Power(dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM(GMSK, 1-Slot)	20.07	19.70	19.58	19.96	19.68	19.09
GPRS (GMSK, 1-Slot)	20.13	19.82	19.63	19.96	19.67	19.03
GPRS (GMSK, 2-Slot)	21.26	20.82	20.67	21.43	21.07	20.40
GPRS (GMSK, 3-Slot)	21.83	21.46	21.16	22.24	21.84	21.05
GPRS (GMSK, 4-Slot)	21.97	21.55	21.36	22.06	21.69	20.91
EGPRS(8PSK, 1-Slot)	15.66	15.97	15.64	17.32	17.44	17.11
EGPRS(8PSK, 2-Slot)	17.38	17.37	17.54	19.13	18.98	18.64
EGPRS(8PSK, 3-Slot)	16.74	16.68	16.88	18.42	18.79	18.13
EGPRS(8PSK, 4-Slot)	15.95	15.58	15.47	17.37	17.62	16.91

Remark :
1. SAR testing was performed on the maximum frame-averaged power mode.
2. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum
Burst - averaged power based on time slots. The calculated method is shown as below:
Frame-averaged power = Burst averaged power (1 TX Slot) – 9.03 dB
Frame-averaged power = Burst averaged power (2 TX Slots) – 6.02 dB
Frame-averaged power = Burst averaged power (3 TX Slots) - 4.26 dB
Frame-averaged power = Burst averaged power (4 TX Slots) – 3.01 dB

WCDMA

Band	WCDMA Band 2			WCDMA Band 4			WCDMA Band 5		
Channel	9262	9400	9538	1312	1413	1513	4132	4183	4233
Frequency (MHz)	1852.4	1880	1907.6	1712.6	1740	1752.4	826.4	836.6	846.6
RMC 12.2Kbps	17.50	17.46	17.19	18.79	18.37	18.40	19.10	19.32	19.66
HSDPA Subtest-1	17.63	17.55	17.30	18.74	18.24	18.23	19.63	19.25	19.21
HSDPA Subtest-2	17.20	17.24	17.00	18.36	18.05	18.08	18.88	18.96	19.07
HSDPA Subtest-3	17.04	17.18	16.66	18.10	17.75	17.84	18.26	18.61	18.72
HSDPA Subtest-4	16.38	16.80	16.82	17.84	17.92	17.42	18.27	18.59	18.60
HSUPA Subtest-1	17.44	17.45	17.24	18.56	18.18	18.13	19.35	18.97	19.21
HSUPA Subtest-2	17.42	17.52	17.21	18.52	18.23	18.23	19.06	19.07	19.15
HSUPA Subtest-3	17.23	17.05	16.93	18.22	18.14	17.69	18.56	18.71	18.84
HSUPA Subtest-4	17.39	17.55	17.34	18.43	18.16	18.17	18.97	19.03	19.13
HSUPA Subtest-5	17.21	17.03	16.95	18.14	17.78	18.04	18.73	18.75	18.93

According to 3GPP 25.101 sub-clause 6.2.2, the maximum output power is allowed to be reduced by following the table.

Table 6.1A: UE maximum output power with HS-DPCCH and E-DCH

UE Transmit Channel Configuration	CM(db)	MPR(db)
For all combinations of ,DPDCH,DPCCH HS-DPDCH,E-DPDCH and E-DPCCH	0≤ CM≤3.5	MAX(CM-1,0)
Note: CM=1 for βc/βd=12/15, βhs/ βc=24/15.For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.		

The device supports MPR to solve linearity issues (ACLR or SEM) due to the higher peak-to average ratios (PAR) of the HSUPA signal. This prevents saturating the full range of the TX DAC inside of device and provides a reduced power output to the RF transceiver chip according to the Cubic Metric (a function of the combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH).

When E-DPDCH channels are present the beta gains on those channels are reduced firsts to try to get the power under the allowed limit. If the beta gains are lowered as far as possible, then a hard limiting is applied at the maximum allowed level.

The SW currently recalculates the cubic metric every time the beta gains on the E-DPDCH are reduced. The cubic metric will likely get lower each time this is done .However, there is no reported reduction of maximum output power in the HSUPA mode since the device also provides a compensation for the power back-off by increasing the gain of TX_AGC in the transceiver (PA) device.

The end effect is that the DUT output power is identical to the case where there is no MPR in the device.

2.4G WLAN

2.4GWIFI				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
802.11b	1	2412	15.59	36.22
	7	2437	15.69	37.07
	11	2462	16.24	42.07
802.11g	1	2412	15.21	33.19
	7	2437	16.00	39.81
	11	2462	16.09	40.64
802.11 n-HT20	1	2412	15.52	35.65
	7	2437	15.84	38.37
	11	2462	15.98	39.63

Bluetooth

BT				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	7.36	5.45
	39	2441	6.87	4.86
	78	2480	6.67	4.65
π/4-QPSK(2Mbps)	0	2402	7.81	6.04
	39	2441	7.54	5.68
	78	2480	7.40	5.50
8DPSK(3Mbps)	0	2402	8.06	6.40
	39	2441	7.84	6.08
	78	2480	7.67	5.85

BLE

BLE				
Mode	Channel Number	Frequency (MHz)	Average Power (dBm)	Output Power (mW)
GFSK(1Mbps)	0	2402	-0.49	0.89
	19	2440	-0.24	0.95
	39	2480	-0.86	0.82

LTE Conducted Power

General Note:

1. Anritsu CMW500 base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are $\leqslant$ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05, 16QAM output power for each RB allocation configuration is > not ½ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is $\leqslant$ 1.45 W/kg; Per KDB 941225 D05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05, Smaller bandwidth output power for each RB allocation configuration is > not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is $\leqslant$ 1.45 W/kg; Per KDB 941225 D05, smaller bandwidth SAR testing is not required.

LTE Band 2

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
1.4	1	0	QPSK	17.31	17.37	17.2
1.4	1	2		17.55	17.55	17.39
1.4	1	5		17.37	17.33	17.18
1.4	3	0		17.33	17.46	17.27
1.4	3	1		17.43	17.52	17.33
1.4	3	2		17.38	17.44	17.26
1.4	6	0		16.95	16.95	16.8
1.4	1	0	16-QAM	17.08	17.12	16.61
1.4	1	2		17.27	17.32	16.86
1.4	1	5		17.1	17.11	16.65
1.4	3	0		17.15	17.3	17.02
1.4	3	1		17.22	17.37	17.08
1.4	3	2		17.17	17.3	17.03
1.4	6	0		16.01	16.16	16
3	1	0	QPSK	17.51	17.57	17.23
3	1	7		17.75	17.72	17.43
3	1	14		17.62	17.53	17.23
3	8	0		17.21	17.14	16.92
3	8	4		17.26	17.16	16.97
3	8	7		17.27	17.12	16.94
3	15	0		17.21	17.12	16.9
3	1	0	16-QAM	17.24	16.97	17.25
3	1	7		17.5	17.19	17.45
3	1	14		17.37	17.05	17.22
3	8	0		16.03	16.12	15.93
3	8	4		16.11	16.16	15.99
3	8	7		16.1	16.1	15.94
3	15	0		16.01	16.2	15.96

LTE BAND 2

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	17.03	17.17	16.94
5	1	12		17.67	17.62	17.36
5	1	24		17.4	17.1	16.89
5	12	0		17.03	17.01	16.78
5	12	6		17.26	17.15	16.93
5	12	11		17.24	16.97	16.79
5	25	0		17.11	16.99	16.78
5	1	0	16-QAM	17.24	17.07	16.81
5	1	12		17.91	17.55	17.3
5	1	24		17.65	17	16.81
5	12	0		15.89	15.96	15.82
5	12	6		16.13	16.09	15.96
5	12	11		16.12	15.93	15.82
5	25	0		15.98	16.02	15.77
10	1	0	QPSK	16.96	17.54	17.5
10	1	24		17.52	17.61	17.5
10	1	49		18.55	17.92	17.78
10	25	0		16.71	17.13	17.05
10	25	12		17.07	17.19	17.06
10	25	24		17.62	17.34	17.16
10	50	0		17.17	17.21	17.08
10	1	0	16-QAM	16.8	17.18	16.83
10	1	24		17.46	17.35	16.96
10	1	49		18.41	17.58	17.11
10	25	0		15.71	16.13	16.04
10	25	12		16.08	16.19	16.04
10	25	24		16.63	16.34	16.15
10	50	0		16.16	16.26	16.08

LTE BAND 2

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
15	1	0	QPSK	17.24	17.87	17.45
15	1	37		17.85	17.56	17.27
15	1	74		18.68	17.68	17.25
15	36	0		17	17.32	17.16
15	36	18		17.39	17.16	16.98
15	36	39		17.91	17.22	16.95
15	75	0		17.45	17.22	17.03
15	1	0	16-QAM	17.05	17.53	17.19
15	1	38		17.78	17.28	17
15	1	75		18.49	17.35	16.99
15	36	0		16.01	16.39	16.13
15	36	18		16.4	16.22	15.95
15	36	39		16.95	16.29	15.93
15	75	0		16.47	16.24	16.1
20	1	0	QPSK	16.83	18.47	17.27
20	1	49		17.65	17.59	17.41
20	1	99		19.02	18.81	17.99
20	50	0		16.66	17.31	16.96
20	50	24		17.26	17.18	17.07
20	50	49		17.97	17.57	17.28
20	100	0		17.34	17.43	17.09
20	1	0	16-QAM	16.74	18.15	17.21
20	1	49		17.53	17.37	17.31
20	1	99		18.92	18.5	17.9
20	50	0		15.58	16.34	16.03
20	50	24		16.2	16.18	16.13
20	50	49		16.92	16.59	16.34
20	100	0		16.23	16.46	16.15

LTE BAND 4

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
1.4	1	0	QPSK	18.25	17.88	18.57
1.4	1	2		18.48	18.07	18.76
1.4	1	5		18.33	17.86	18.6
1.4	3	0		18.21	17.97	18.63
1.4	3	1		18.29	18.03	18.7
1.4	3	2		18.27	17.98	18.64
1.4	6	0		17.76	17.47	18.18
1.4	1	0	16-QAM	17.84	17.68	17.94
1.4	1	2		18.06	17.83	18.13
1.4	1	5		17.94	17.69	17.97
1.4	3	0		17.95	17.85	18.35
1.4	3	1		18.03	17.96	18.41
1.4	3	2		18.01	17.92	18.37
1.4	6	0		16.97	16.79	17.51
3	1	0	QPSK	18.05	17.99	18.53
3	1	7		18.35	18.17	18.75
3	1	14		18.31	18	18.62
3	8	0		17.8	17.62	18.12
3	8	4		17.94	17.67	18.17
3	8	7		18.01	17.63	18.17
3	15	0		17.93	17.62	18.15
3	1	0	16-QAM	18.15	17.72	17.91
3	1	7		18.48	17.92	18.12
3	1	14		18.38	17.73	17.99
3	8	0		16.97	16.69	17.27
3	8	4		17.07	16.74	17.34
3	8	7		17.09	16.7	17.33
3	15	0		17.04	16.65	17.38

LTE BAND 4

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	17.76	17.64	18.06
5	1	12		18.51	18.14	18.62
5	1	24		18.25	17.65	18.21
5	12	0		17.85	17.51	17.97
5	12	6		18.09	17.66	18.15
5	12	11		18.04	17.51	18.07
5	25	0		17.95	17.53	18.03
5	1	0	16-QAM	18.01	17.54	17.96
5	1	12		18.71	18.04	18.52
5	1	24		18.36	17.58	18.13
5	12	0		16.89	16.53	17.15
5	12	6		17.15	16.68	17.35
5	12	11		17.11	16.54	17.25
5	25	0		16.97	16.6	17.14
10	1	0	QPSK	18.04	18.03	18.18
10	1	24		18.5	18.11	18.51
10	1	49		18.92	18.59	19.1
10	25	0		17.91	17.64	17.91
10	25	12		18.1	17.7	18.06
10	25	24		18.38	17.96	18.42
10	50	0		18.14	17.79	18.16
10	1	0	16-QAM	18	17.72	17.62
10	1	24		18.49	17.83	17.86
10	1	49		18.87	18.31	18.52
10	25	0		16.97	16.69	17.02
10	25	12		17.18	16.77	17.19
10	25	24		17.46	17.01	17.53
10	50	0		17.2	16.88	17.26

LTE BAND 4

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
15	1	0	QPSK	18.18	18.22	18.28
15	1	37		18.49	18.05	18.46
15	1	74		18.29	18.25	18.84
15	36	0		18.12	17.81	18.05
15	36	18		18.09	17.66	18.04
15	36	39		18.15	17.85	18.38
15	75	0		18.11	17.8	18.2
15	1	0	16-QAM	18.34	18.07	18.11
15	1	38		18.47	17.78	18.1
15	1	75		18.45	18.14	18.66
15	36	0		17.17	16.93	17.04
15	36	18		17.16	16.79	17.04
15	36	39		17.22	16.99	17.38
15	75	0		17.15	16.86	17.26
20	1	0	QPSK	18.14	18.49	18.43
20	1	49		18.32	18.09	18.32
20	1	99		18.65	19.12	19.7
20	50	0		17.92	17.73	17.93
20	50	24		17.91	17.68	18
20	50	49		18.12	18.16	18.7
20	100	0		17.99	17.92	18.31
20	1	0	16-QAM	18.33	18.44	18.57
20	1	49		18.15	17.86	18.12
20	1	99		18.84	19.1	19.79
20	50	0		16.98	16.78	17
20	50	24		17	16.73	17.09
20	50	49		17.22	17.21	17.79
20	100	0		17.04	16.99	17.36

LTE BAND 5

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
1.4	1	0	QPSK	24.15	24.26	23.87
1.4	1	2		24.14	24.29	23.97
1.4	1	5		24.14	24.27	23.99
1.4	3	0		23.98	24.21	23.81
1.4	3	1		24.02	24.24	23.85
1.4	3	2		24.05	24.11	23.85
1.4	6	0		23.65	23.79	23.42
1.4	1	0	16-QAM	24.66	23.7	24.34
1.4	1	2		24.7	23.67	24.36
1.4	1	5		24.76	23.76	24.37
1.4	3	0		23.88	23.66	23.67
1.4	3	1		24.08	23.72	23.69
1.4	3	2		23.87	23.81	23.58
1.4	6	0		22.72	23.02	22.54
3	1	0	QPSK	23.99	24.26	23.87
3	1	7		24.12	24.17	23.91
3	1	14		24.18	24.17	23.94
3	8	0		23.55	23.68	23.36
3	8	4		23.6	23.67	23.35
3	8	7		23.6	23.57	23.31
3	15	0		23.55	23.61	23.26
3	1	0	16-QAM	24.68	24.46	24.25
3	1	7		24.67	24.43	24.05
3	1	14		24.8	24.31	24.12
3	8	0		22.43	22.95	22.61
3	8	4		22.45	22.96	22.61
3	8	7		22.5	22.9	22.35
3	15	0		22.71	22.83	22.63

LTE BAND 5

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	24.03	24.16	23.82
5	1	12		24.1	24.13	23.75
5	1	24		24.06	24.2	23.83
5	12	0		23.51	23.65	23.34
5	12	6		23.68	23.54	23.39
5	12	11		23.54	23.53	23.25
5	25	0		23.54	23.62	23.3
5	1	0	16-QAM	23.75	23.4	23.32
5	1	12		23.77	23.26	23.29
5	1	24		23.82	23.51	23.37
5	12	0		22.58	22.56	22.31
5	12	6		22.6	22.62	22.6
5	12	11		22.59	22.58	22.58
5	25	0		22.79	22.8	22.61
10	1	0	QPSK	23.96	24.35	24.2
10	1	24		24	24.39	23.83
10	1	49		24.23	24.15	23.93
10	25	0		23.53	23.7	23.36
10	25	12		23.57	23.77	23.48
10	25	24		23.7	23.68	23.3
10	50	0		23.6	23.67	23.43
10	1	0	16-QAM	24.57	23.66	23.68
10	1	24		24.69	23.69	23.25
10	1	49		24.79	23.48	23.31
10	25	0		22.68	22.8	22.45
10	25	12		23	22.79	22.76
10	25	24		23.13	22.67	22.69
10	50	0		23.03	22.79	22.76

LTE BAND 7

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	21.34	20.84	20.51
5	1	12		21.31	20.73	20.51
5	1	24		21.33	20.8	20.51
5	12	0		20.92	20.3	20.03
5	12	6		20.85	20.33	20.06
5	12	11		20.81	20.33	19.99
5	25	0		20.88	20.31	20.04
5	1	0	16-QAM	20.73	20.51	20.15
5	1	12		20.61	20.44	20.15
5	1	24		20.63	20.47	20.23
5	12	0		19.97	19.87	19.5
5	12	6		20.21	19.99	19.64
5	12	11		20.16	19.87	19.48
5	25	0		20.18	19.82	19.53
10	1	0	QPSK	21.37	21	20.5
10	1	24		21.37	20.94	20.56
10	1	49		21.19	20.88	20.63
10	25	0		20.91	20.33	20.02
10	25	12		20.79	20.44	20.07
10	25	24		20.78	20.33	20.06
10	50	0		20.83	20.34	20.12
10	1	0	16-QAM	21.8	20.42	20.04
10	1	24		21.76	20.42	20.01
10	1	49		21.7	20.38	20.08
10	25	0		20.33	19.41	19.68
10	25	12		20.55	19.56	19.71
10	25	24		20.85	19.74	19.77
10	50	0		20.65	19.67	19.76

LTE BAND 7

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
15	1	0	QPSK	21.38	20.97	20.49
15	1	37		21.22	20.94	20.47
15	1	74		21.22	20.87	20.5
15	36	0		20.84	20.45	19.99
15	36	18		20.83	20.44	20.05
15	36	39		20.69	20.37	20.1
15	75	0		20.81	20.31	20.07
15	1	0	16-QAM	21.68	20.36	20.68
15	1	38		21.64	20.42	20.66
15	1	75		21.72	20.35	20.79
15	36	0		20.37	19.73	20.66
15	36	18		20.31	19.74	20.51
15	36	39		20.57	19.83	20.41
15	75	0		20.39	19.77	20.63
20	1	0	QPSK	21.2	20.92	20.71
20	1	49		21.04	21	20.73
20	1	99		21.05	20.96	20.66
20	50	0		20.84	20.41	20.05
20	50	24		20.68	20.39	19.9
20	50	49		20.72	20.37	20.02
20	100	0		20.75	20.31	19.96
20	1	0	16-QAM	20.63	20.41	19.89
20	1	49		20.43	20.49	19.88
20	1	99		20.47	20.4	19.96
20	50	0		18.41	19.01	19.44
20	50	24		18.75	19.02	19.25
20	50	49		19.24	19.05	19.28
20	100	0		18.82	18.91	19.39

LTE BAND 12

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
1.4	1	0	QPSK	23.86	23.8	23.66
1.4	1	2		23.84	23.84	23.73
1.4	1	5		23.88	23.8	23.71
1.4	3	0		23.76	23.83	23.55
1.4	3	1		23.81	23.9	23.63
1.4	3	2		23.91	23.86	23.63
1.4	6	0		23.39	23.31	23.29
1.4	1	0	16-QAM	24.61	24.03	23.95
1.4	1	2		24.48	24.05	23.88
1.4	1	5		24.53	24.1	23.92
1.4	3	0		23.72	23.37	23.48
1.4	3	1		23.6	23.4	23.51
1.4	3	2		23.64	23.34	23.53
1.4	6	0		22.37	22.61	22.3
3	1	0	QPSK	23.71	23.82	23.75
3	1	7		23.78	23.81	23.71
3	1	14		23.71	23.82	23.83
3	8	0		23.24	23.39	23.23
3	8	4		23.31	23.44	23.11
3	8	7		23.3	23.45	23.2
3	15	0		23.42	23.42	23.21
3	1	0	16-QAM	24.33	24.05	24.1
3	1	7		24.32	24.05	23.99
3	1	14		24.38	24.13	23.95
3	8	0		22.08	22.53	22.26
3	8	4		22.09	22.87	22.26
3	8	7		22.19	22.89	22.21
3	15	0		22.38	22.68	22.35

LTE BAND 12

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	23.79	23.72	23.75
5	1	12		23.7	23.82	23.59
5	1	24		23.82	23.79	23.66
5	12	0		23.37	23.37	23.38
5	12	6		23.31	23.49	23.17
5	12	11		23.31	23.39	23.15
5	25	0		23.27	23.39	23.25
5	1	0	16-QAM	23.42	23.12	23.32
5	1	12		23.4	23.04	23.14
5	1	24		23.47	23.13	23.16
5	12	0		22.12	22.34	22.48
5	12	6		22.32	22.54	22.23
5	12	11		22.27	22.62	22.25
5	25	0		22.56	22.8	22.27
10	1	0	QPSK	23.74	23.81	23.89
10	1	24		23.81	23.92	23.93
10	1	49		23.82	23.85	23.88
10	25	0		23.29	23.47	23.43
10	25	12		23.25	23.52	23.47
10	25	24		23.4	23.51	23.34
10	50	0		23.41	23.43	23.46
10	1	0	16-QAM	24.12	23.3	23.34
10	1	24		24.16	23.4	23.26
10	1	49		24.2	23.39	23.19
10	25	0		22.4	22.43	22.72
10	25	12		22.41	22.65	22.53
10	25	24		22.47	22.61	22.35
10	50	0		22.45	22.73	22.54

LTE BAND 12

LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	23.92	24.02	24.11
5	1	12		23.94	24.09	24.17
5	1	24		23.98	24.24	22.33
5	12	0		23.51	23.56	22.15
5	12	6		23.57	23.64	21.99
5	12	11		23.7	23.77	21.9
5	25	0		23.56	23.56	21.98
5	1	0	16-QAM	23.62	23.2	21.58
5	1	12		23.67	23.27	21.54
5	1	24		23.79	23.44	21.49
5	12	0		22.53	22.54	20.53
5	12	6		22.53	22.48	20.52
5	12	11		22.53	22.64	20.6
5	25	0		22.6	22.67	20.45
10	1	0	QPSK	/	23.98	/
10	1	24		/	24.06	/
10	1	49		/	24.27	/
10	25	0		/	23.45	/
10	25	12		/	23.63	/
10	25	24		/	23.78	/
10	50	0		/	23.54	/
10	1	0	16-QAM	/	24.43	/
10	1	24		/	24.54	/
10	1	49		/	24.73	/
10	25	0		/	22.64	/
10	25	12		/	22.64	/
10	25	24		/	22.77	/
10	50	0		/	22.67	/

LTE BAND 17

LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	23.85	23.64	23.74
5	1	12		23.77	23.68	23.62
5	1	24		23.87	23.65	23.64
5	12	0		23.4	23.46	23.31
5	12	6		23.36	23.41	23.16
5	12	11		23.36	23.36	23.13
5	25	0		23.33	23.4	23.24
5	1	0	16-QAM	23.08	23.72	23.47
5	1	12		23.05	23.85	23.34
5	1	24		23.1	23.77	23.28
5	12	0		22.37	22.61	22.52
5	12	6		22.31	22.51	22.2
5	12	11		22.59	22.49	22.21
5	25	0		22.44	22.7	22.5
10	1	0	QPSK	23.75	23.85	23.93
10	1	24		23.82	23.93	23.91
10	1	49		23.69	23.74	23.88
10	25	0		23.35	23.42	23.38
10	25	12		23.36	23.42	23.4
10	25	24		23.27	23.37	23.33
10	50	0		23.45	23.43	23.37
10	1	0	16-QAM	24.11	23.4	23.31
10	1	24		24.23	23.4	23.35
10	1	49		24.09	23.2	23.19
10	25	0		22.42	22.67	22.68
10	25	12		22.72	22.63	22.62
10	25	24		22.63	22.53	22.35
10	50	0		22.77	22.62	22.65

LTE BAND 25

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
1.4	1	0	QPSK	16.66	16.59	16.18
1.4	1	2		16.86	16.8	16.34
1.4	1	5		16.68	16.57	16.05
1.4	3	0		16.62	16.68	16.21
1.4	3	1		16.7	16.75	16.26
1.4	3	2		16.66	16.67	16.14
1.4	6	0		16.1	16.27	15.82
1.4	1	0	16-QAM	16.25	16.43	15.72
1.4	1	2		16.47	16.63	15.87
1.4	1	5		16.29	16.43	15.56
1.4	3	0		16.36	16.61	16.05
1.4	3	1		16.44	16.68	16.1
1.4	3	2		16.38	16.61	16
1.4	6	0		15.42	15.58	15.21
3	1	0	QPSK	16.67	16.74	16.47
3	1	7		16.89	16.9	16.54
3	1	14		16.8	16.69	16.18
3	8	0		16.26	16.44	16.08
3	8	4		16.33	16.48	16.06
3	8	7		16.34	16.43	15.94
3	15	0		16.28	16.43	16.03
3	1	0	16-QAM	16.61	16.57	15.98
3	1	7		16.86	16.75	16.16
3	1	14		16.77	16.55	15.68
3	8	0		15.38	15.54	15.23
3	8	4		15.46	15.59	15.23
3	8	7		15.46	15.53	15.11
3	15	0		15.45	15.51	15.32

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	16.46	16.42	16.37
5	1	12		17.07	16.93	16.62
5	1	24		16.83	16.37	15.84
5	12	0		16.27	16.4	16.19
5	12	6		16.5	16.55	16.23
5	12	11		16.48	16.37	15.95
5	25	0		16.37	16.39	16.1
5	1	0	16-QAM	16.51	16.44	16.36
5	1	12		17.18	16.96	16.64
5	1	24		16.92	16.42	15.85
5	12	0		15.35	15.45	15.38
5	12	6		15.6	15.61	15.42
5	12	11		15.59	15.44	15.13
5	25	0		15.44	15.52	15.29
10	1	0	QPSK	16.29	16.83	16.83
10	1	24		16.9	16.96	16.99
10	1	49		17.91	17.26	16.81
10	25	0		16.14	16.56	16.56
10	25	12		16.5	16.63	16.57
10	25	24		17.05	16.8	16.55
10	50	0		16.6	16.67	16.53
10	1	0	16-QAM	16.24	16.63	16.28
10	1	24		16.91	16.8	16.49
10	1	49		17.87	17.08	16.26
10	25	0		15.23	15.64	15.68
10	25	12		15.6	15.72	15.7
10	25	24		16.16	15.88	15.67
10	50	0		15.7	15.79	15.67

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
15	1	0	QPSK	16.67	17.24	17.15
15	1	37		17.26	16.95	16.73
15	1	74		18.12	17	16.41
15	36	0		16.48	16.79	16.66
15	36	18		16.85	16.62	16.45
15	36	39		17.4	16.7	16.37
15	75	0		16.94	16.72	16.49
15	1	0	16-QAM	16.59	17.06	16.9
15	1	38		17.25	16.8	16.48
15	1	75		18.05	16.87	16.18
15	36	0		15.56	15.93	15.71
15	36	18		15.95	15.78	15.51
15	36	39		16.5	15.85	15.42
15	75	0		16.01	15.8	15.63
20	1	0	QPSK	16.11	17.91	17.33
20	1	49		17.03	17.01	16.86
20	1	99		18.33	18.32	17.26
20	50	0		16.05	16.86	16.71
20	50	24		16.68	16.7	16.59
20	50	49		17.39	17.13	16.74
20	100	0		16.74	16.97	16.69
20	1	0	16-QAM	16.12	17.79	17.26
20	1	49		16.98	16.91	16.79
20	1	99		18.32	18.19	17.19
20	50	0		15.26	15.92	15.82
20	50	24		15.88	15.77	15.72
20	50	49		16.61	16.19	15.85
20	100	0		15.93	16.06	15.8

LTE BAND 26

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
1.4	1	0	QPSK	21.26	21.72	21.89
1.4	1	2		21.31	21.73	21.94
1.4	1	5		21.31	21.65	21.93
1.4	3	0		21.23	21.66	21.9
1.4	3	1		21.25	21.7	21.89
1.4	3	2		21.26	21.67	21.9
1.4	6	0		20.7	21.11	21.43
1.4	1	0	16-QAM	21.77	21.98	22.45
1.4	1	2		21.79	21.82	22.45
1.4	1	5		21.84	21.83	22.43
1.4	3	0		20.96	21.2	21.78
1.4	3	1		20.98	21.12	21.66
1.4	3	2		20.99	21.12	21.65
1.4	6	0		19.99	19.77	20.23
3	1	0	QPSK	21.21	21.71	21.95
3	1	7		21.17	21.65	21.96
3	1	14		21.4	21.72	21.9
3	8	0		20.65	21.29	21.37
3	8	4		20.67	21.15	21.34
3	8	7		20.87	21.16	21.41
3	15	0		20.74	21.21	21.53
3	1	0	16-QAM	21.73	21.94	22.3
3	1	7		21.69	21.8	22.34
3	1	14		21.87	21.77	22.29
3	8	0		20.62	20.46	21.36
3	8	4		20.71	20.54	21.34
3	8	7		20.68	20.48	21.14
3	15	0		20.74	20.53	21.41

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	21.19	21.63	21.86
5	1	12		21.41	21.6	21.88
5	1	24		21.2	21.74	21.91
5	12	0		20.7	21.33	21.45
5	12	6		20.85	21.15	21.53
5	12	11		20.87	21.13	21.4
5	25	0		20.87	21.18	21.44
5	1	0	16-QAM	20.9	20.83	21.33
5	1	12		21.08	20.86	21.45
5	1	24		20.92	20.97	21.42
5	12	0		19.92	19.99	20.92
5	12	6		20.08	20.12	20.97
5	12	11		19.95	19.94	20.61
5	25	0		19.98	20.08	20.79
10	1	0	QPSK	21.11	21.64	21.8
10	1	24		21.14	21.78	22.28
10	1	49		21.29	22.1	22.02
10	25	0		20.8	21.29	21.33
10	25	12		20.65	21.13	21.72
10	25	24		20.96	21.37	21.44
10	50	0		20.73	21.11	21.73
10	1	0	16-QAM	21.65	20.92	21.29
10	1	24		21.7	21.15	21.84
10	1	49		21.81	21.38	21.32
10	25	0		20.23	19.81	20.68
10	25	12		20.3	19.88	20.71
10	25	24		20.42	19.94	20.62
10	50	0		20.39	19.98	20.71

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
15	1	0	QPSK	21.04	21.4	21.68
15	1	37		21.4	21.89	21.77
15	1	74		21.75	22.51	21.86
15	36	0		20.72	20.89	21.33
15	36	18		20.91	21.17	21.38
15	36	39		21.24	21.42	21.41
15	75	0		20.96	21.13	21.38
15	1	0	16-QAM	21.6	20.71	21.66
15	1	38		21.92	21.09	21.81
15	1	75		22.16	21.81	21.95
15	36	0		21.17	20.96	21.55
15	36	18		21.1	20.84	21.55
15	36	39		21.01	20.85	21.34
15	75	0		21.12	20.9	21.55

LTE BAND 26

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
1.4	1	0	QPSK	21.59	21.63	21.22
1.4	1	2		21.5	21.65	21.16
1.4	1	5		21.52	21.62	21.17
1.4	3	0		21.44	21.53	21.28
1.4	3	1		21.47	21.53	21.31
1.4	3	2		21.47	21.48	21.2
1.4	6	0		20.99	21.05	20.75
1.4	1	0	16-QAM	22.16	20.91	21.31
1.4	1	2		22.29	21.01	21.31
1.4	1	5		22.32	21	21.28
1.4	3	0		21.41	21.02	21.25
1.4	3	1		21.37	20.94	21.17
1.4	3	2		21.38	21.01	21.09
1.4	6	0		20.03	19.83	20.03
3	1	0	QPSK	21.45	21.62	21.22
3	1	7		21.47	21.56	21.17
3	1	14		21.55	21.34	21.23
3	8	0		21.02	21.08	20.65
3	8	4		20.98	21.03	20.69
3	8	7		21.13	21.08	20.73
3	15	0		20.93	21.05	20.76
3	1	0	16-QAM	22.03	21.58	21.22
3	1	7		21.96	21.51	21.31
3	1	14		22.02	21.32	21.37
3	8	0		20.23	20.09	20.38
3	8	4		20.42	20.25	20.48
3	8	7		20.51	20.28	20.45
3	15	0		20.45	20.24	20.58

LTE BAND 26

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	21.47	21.5	21.41
5	1	12		21.55	21.47	21.08
5	1	24		21.5	21.17	21.06
5	12	0		20.84	20.99	20.67
5	12	6		21	21.02	20.68
5	12	11		21	20.71	20.67
5	25	0		21.02	21	20.68
5	1	0	16-QAM	21.06	20.81	20.95
5	1	12		21.17	20.66	20.62
5	1	24		21.08	20.34	20.63
5	12	0		19.31	19.09	19.96
5	12	6		19.68	19.41	20.19
5	12	11		19.76	19.41	20.07
5	25	0		19.6	19.39	20.03
10	1	0	QPSK	N/A	21.43	N/A
10	1	24		N/A	21.48	N/A
10	1	49		N/A	21.28	N/A
10	25	0		N/A	21.03	N/A
10	25	12		N/A	20.99	N/A
10	25	24		N/A	20.68	N/A
10	50	0		N/A	21.03	N/A
10	1	0	16-QAM	N/A	21.8	N/A
10	1	24		N/A	21.85	N/A
10	1	49		N/A	21.61	N/A
10	25	0		N/A	19.63	N/A
10	25	12		N/A	20.03	N/A
10	25	24		N/A	20.32	N/A
10	50	0		N/A	20.05	N/A

LTE BAND 38

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	22.38	23.13	23.88
5	1	12		22.49	23.2	**23.93**
5	1	24		22.54	23.36	23.85
5	12	0		22.13	22.81	23.27
5	12	6		22.08	22.96	23.37
5	12	11		22.11	22.87	23.22
5	25	0		22.16	22.86	23.27
5	1	0	16-QAM	21.42	22.5	22.41
5	1	12		21.31	22.56	22.52
5	1	24		21.39	22.68	22.48
5	12	0		21.05	21.96	22.32
5	12	6		21.05	21.93	22.27
5	12	11		21.13	21.85	22.28
5	25	0		21	21.98	22.56
10	1	0	QPSK	22.62	23.35	23.71
10	1	24		22.67	23.5	23.7
10	1	49		22.66	23.61	23.73
10	25	0		22.05	22.74	23.27
10	25	12		22.08	22.83	23.28
10	25	24		22.22	23.05	23.41
10	50	0		22.12	22.9	23.34
10	1	0	16-QAM	22.63	22.03	23.07
10	1	24		22.72	22.15	23.08
10	1	49		22.74	22.29	23.02
10	25	0		21.22	21.82	22.41
10	25	12		21.36	22	22.39
10	25	24		21.46	22.11	22.52
10	50	0		21.18	22.09	22.41

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
15	1	0	QPSK	22.61	23.38	23.72
15	1	37		22.76	23.47	23.74
15	1	74		22.8	23.61	23.75
15	36	0		22.11	22.87	23.27
15	36	18		22.19	22.84	23.23
15	36	39		22.23	22.96	23.21
15	75	0		22.24	22.9	23.19
15	1	0	16-QAM	22.65	22.01	22.55
15	1	38		22.73	22.1	22.75
15	1	75		22.75	22.2	22.71
15	36	0		21.23	21.81	22.32
15	36	18		21.29	21.96	22.34
15	36	39		21.08	22.11	22.32
15	75	0		21.35	21.99	22.44
20	1	0	QPSK	22.68	22.89	23.77
20	1	49		22.64	23.29	23.84
20	1	99		22.97	23.49	23.82
20	50	0		22.15	22.7	23.15
20	50	24		22.21	22.82	23.17
20	50	49		22.45	22.97	23.23
20	100	0		22.28	22.75	23.12
20	1	0	16-QAM	21.73	21.31	22.85
20	1	49		21.68	21.58	22.97
20	1	99		21.99	21.88	22.93
20	50	0		21.49	21.8	22.3
20	50	24		21.49	21.97	22.27
20	50	49		21.66	22.08	22.39
20	100	0		21.3	21.88	22.25

LTE BAND 41

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	19.36	19.36	20.15
5	1	12		19.9	19.74	20.44
5	1	24		19.43	19.27	19.85
5	12	0		19.15	19.42	19.94
5	12	6		19.34	19.56	20.03
5	12	11		19.22	19.42	19.82
5	25	0		19.22	19.43	19.91
5	1	0	16-QAM	18.59	18.97	19.8
5	1	12		19.17	19.41	20.16
5	1	24		18.7	18.94	19.58
5	12	0		18.12	18.39	18.92
5	12	6		18.29	18.52	19
5	12	11		18.16	18.36	18.81
5	25	0		18.18	18.3	18.83
10	1	0	QPSK	19.58	19.79	20.6
10	1	24		19.85	19.8	20.53
10	1	49		20.19	20.12	20.64
10	25	0		19.26	19.59	20.16
10	25	12		19.4	19.64	20.18
10	25	24		19.6	19.81	20.25
10	50	0		19.45	19.7	20.23
10	1	0	16-QAM	18.95	19.14	19.56
10	1	24		19.32	19.22	19.61
10	1	49		19.63	19.52	19.66
10	25	0		18.28	18.5	19.14
10	25	12		18.4	18.56	19.14
10	25	24		18.61	18.7	19.23
10	50	0		18.43	18.61	19.17

LTE BAND 41

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	19.82	20.13	20.9
5	1	12		19.84	19.79	20.38
5	1	24		20.03	19.89	20.23
5	12	0		19.39	19.77	20.2
5	12	6		19.38	19.63	19.99
5	12	11		19.52	19.71	19.94
5	25	0		19.45	19.72	20.07
5	1	0	16-QAM	19.23	19.49	20.07
5	1	12		19.31	19.21	19.65
5	1	24		19.49	19.33	19.45
5	12	0		18.41	18.74	19.27
5	12	6		18.39	18.61	19.04
5	12	11		18.52	18.66	19
5	25	0		18.43	18.59	19.17
10	1	0	QPSK	19.96	20.33	21.25
10	1	24		19.89	19.76	20.5
10	1	49		20.79	20.6	20.98
10	25	0		19.3	19.73	20.3
10	25	12		19.45	19.68	20.16
10	25	24		19.82	19.97	20.26
10	50	0		19.55	19.83	20.25
10	1	0	16-QAM	19.13	19.8	20.3
10	1	24		19.15	19.31	19.76
10	1	49		20	20.14	20.15
10	25	0		18.33	18.6	19.44
10	25	12		18.47	18.58	19.29
10	25	24		18.85	18.83	19.4
10	50	0		18.54	18.69	19.38

LTE BAND 66

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
1.4	1	0	QPSK	16.71	16.59	16.37
1.4	1	2		16.94	16.8	16.6
1.4	1	5		16.8	16.58	16.41
1.4	3	0		16.67	16.67	16.45
1.4	3	1		16.76	16.74	16.53
1.4	3	2		16.73	16.67	16.47
1.4	6	0		16.28	16.26	16.08
1.4	1	0	16-QAM	16.36	16.39	15.88
1.4	1	2		16.64	16.6	16.09
1.4	1	5		16.5	16.42	16
1.4	3	0		16.5	16.58	16.3
1.4	3	1		16.59	16.66	16.36
1.4	3	2		16.56	16.59	16.32
1.4	6	0		15.56	15.53	15.36
3	1	0	QPSK	16.42	16.51	16.31
3	1	7		16.76	16.72	16.55
3	1	14		16.66	16.58	16.4
3	8	0		16.23	16.22	16.02
3	8	4		16.34	16.28	16.08
3	8	7		16.37	16.27	16.06
3	15	0		16.26	16.24	16.03
3	1	0	16-QAM	16.52	16.33	15.83
3	1	7		16.88	16.54	16.06
3	1	14		16.78	16.41	15.9
3	8	0		15.34	15.31	15.1
3	8	4		15.45	15.37	15.17
3	8	7		15.48	15.35	15.15
3	15	0		15.42	15.29	15.21

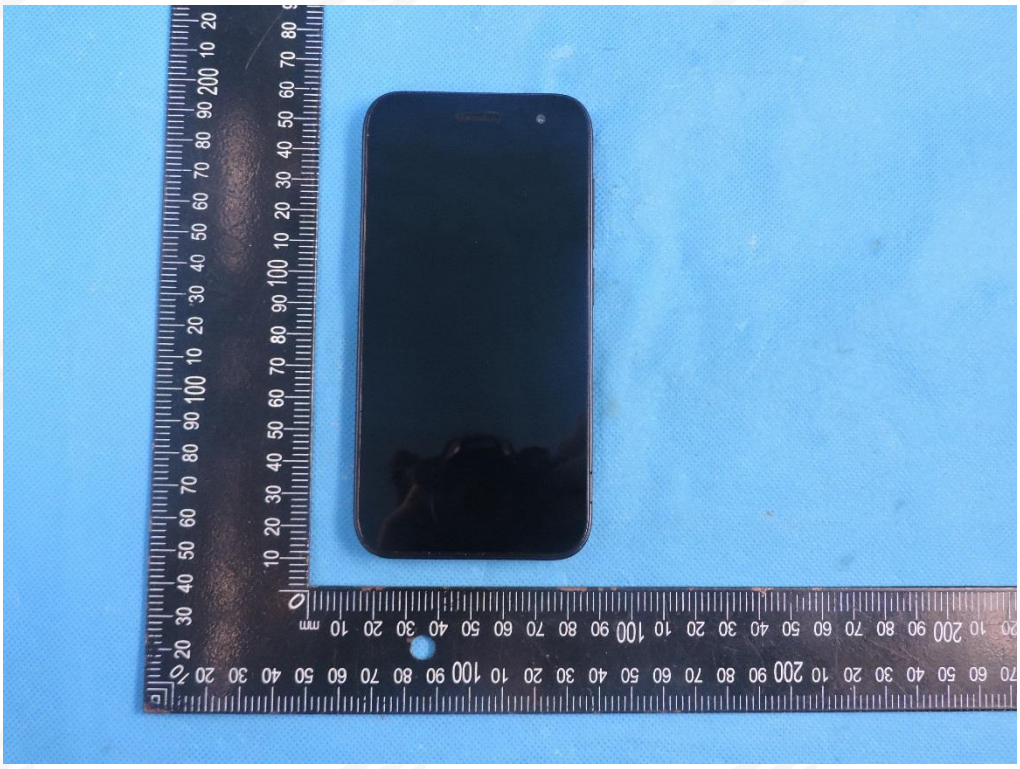
LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
5	1	0	QPSK	16.08	16.09	15.89
5	1	12		16.83	16.66	16.43
5	1	24		16.49	16.24	15.99
5	12	0		16.14	16.08	15.87
5	12	6		16.4	16.26	16.04
5	12	11		16.35	16.15	15.94
5	25	0		16.24	16.13	15.9
5	1	0	16-QAM	16.33	16.11	15.89
5	1	12		17.1	16.68	16.47
5	1	24		16.74	16.27	16.02
5	12	0		15.23	15.11	14.99
5	12	6		15.5	15.31	15.17
5	12	11		15.47	15.2	15.05
5	25	0		15.31	15.24	14.97
10	1	0	QPSK	16.22	16.41	16.27
10	1	24		16.79	16.63	16.39
10	1	49		17.21	17.31	16.94
10	25	0		16.2	16.17	15.92
10	25	12		16.42	16.3	16.03
10	25	24		16.72	16.65	16.32
10	50	0		16.46	16.4	16.1
10	1	0	16-QAM	16.31	16.19	15.76
10	1	24		16.88	16.45	15.9
10	1	49		17.31	17.12	16.43
10	25	0		15.33	15.23	14.99
10	25	12		15.57	15.38	15.1
10	25	24		15.86	15.71	15.39
10	50	0		15.57	15.52	15.18

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	**RB Size**	**RB Offset**	**Mod**	**Lowest**	**Middle**	**Highest**
15	1	0	QPSK	16.56	16.66	16.72
15	1	37		16.79	16.58	16.07
15	1	74		16.73	17.21	16.48
15	36	0		16.4	16.28	16.05
15	36	18		16.42	16.26	15.77
15	36	39		16.47	16.59	15.95
15	75	0		16.42	16.41	15.96
15	1	0	16-QAM	16.6	16.42	16.42
15	1	38		16.85	16.4	15.77
15	1	75		16.78	16.99	16.24
15	36	0		15.54	15.41	14.93
15	36	18		15.58	15.41	14.68
15	36	39		15.63	15.73	14.83
15	75	0		15.54	15.48	14.94
20	1	0	QPSK	16.65	17.07	17.15
20	1	49		16.56	16.61	16.18
20	1	99		17.22	18.42	17.28
20	50	0		16.2	16.21	16.18
20	50	24		16.23	16.31	15.89
20	50	49		16.42	17.01	16.21
20	100	0		16.28	16.61	16.17
20	1	0	16-QAM	16.57	16.89	17.05
20	1	49		16.55	16.5	16.08
20	1	99		17.15	18.21	17.19
20	50	0		15.3	15.27	15.14
20	50	24		15.35	15.37	14.88
20	50	49		15.54	16.08	15.16
20	100	0		15.37	15.71	15.12

11. EUT and Test Setup Photo

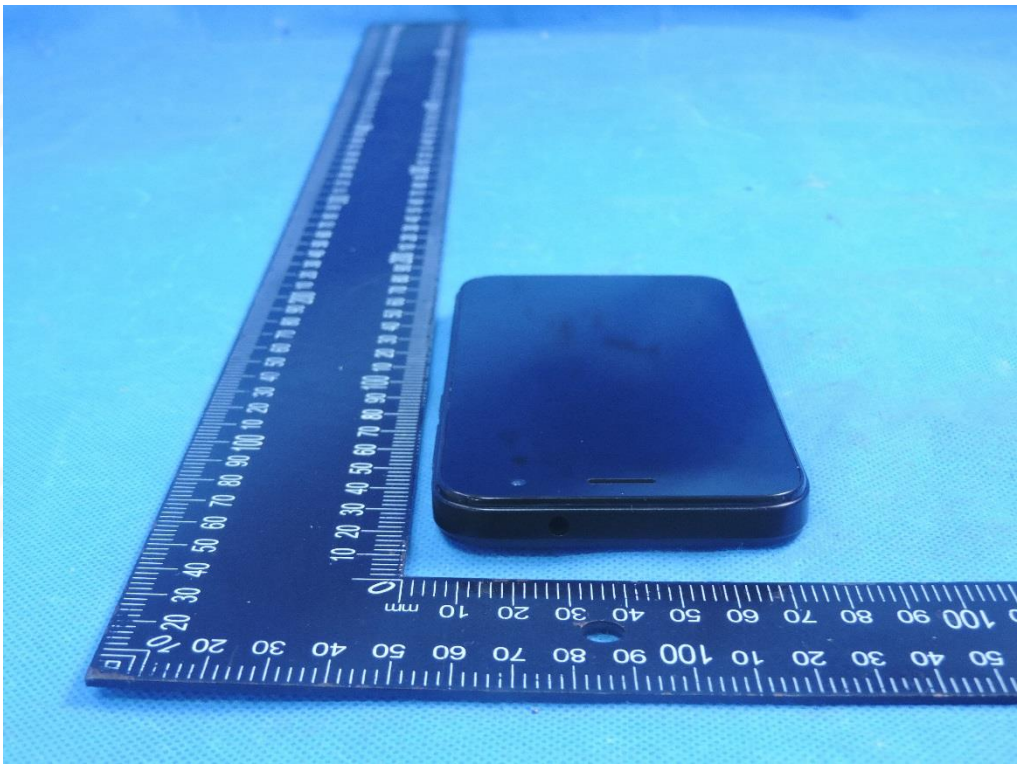
11.1 EUT Photo

Front side

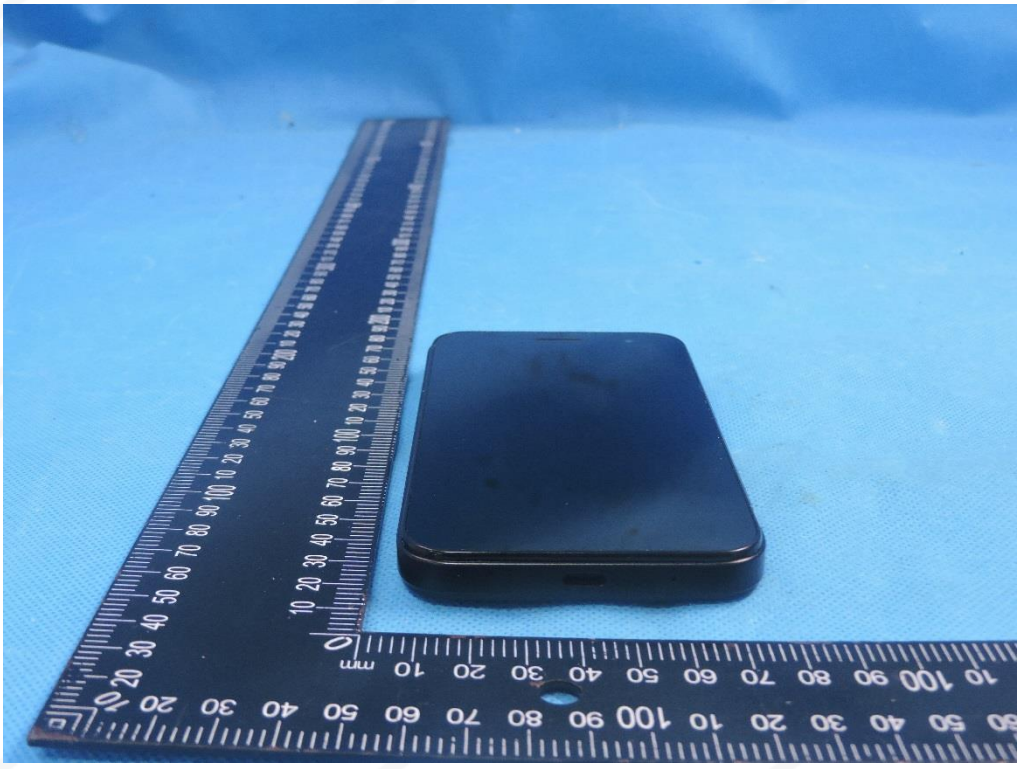


Back side

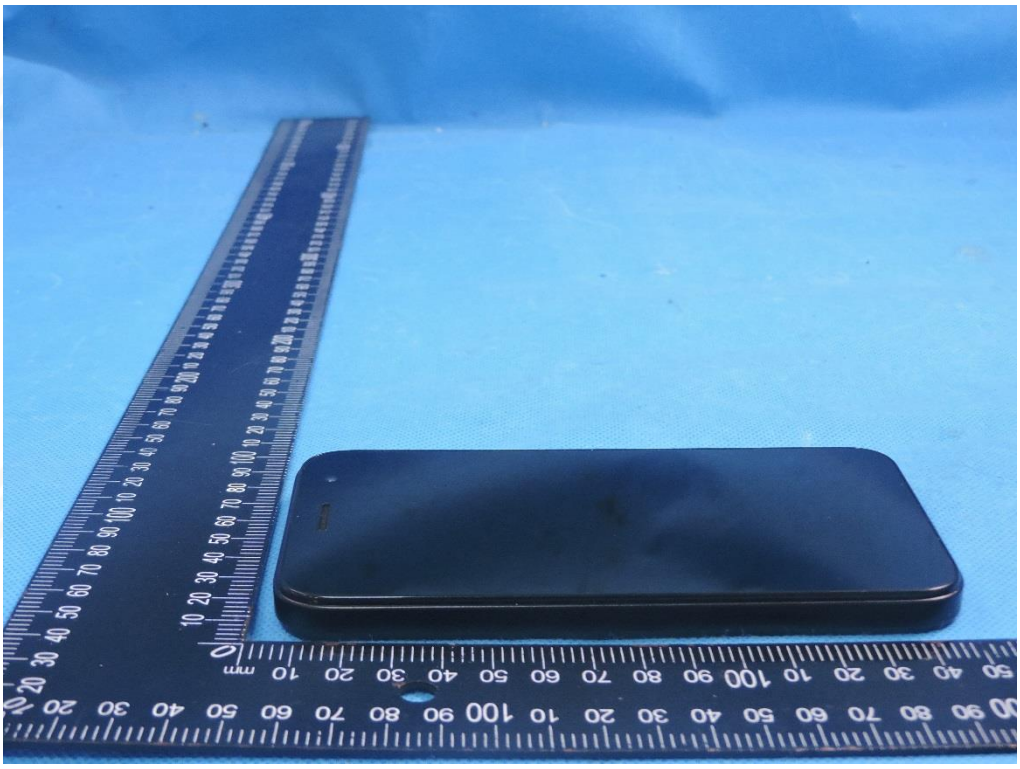
Top side



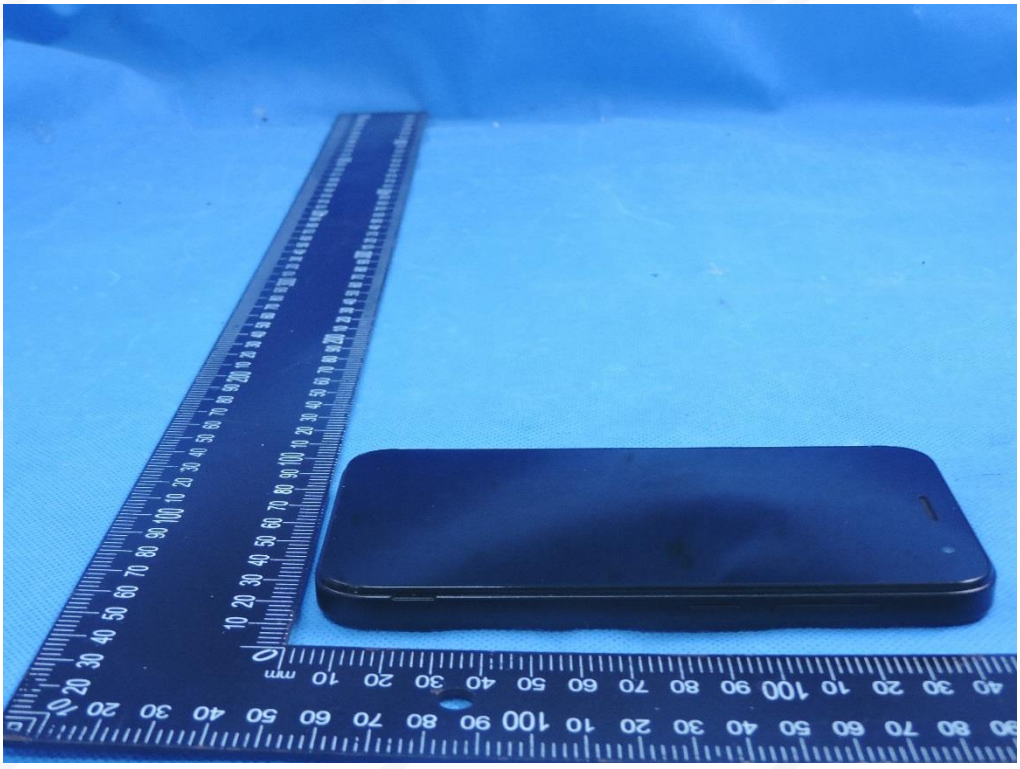
Bottom side



Left side

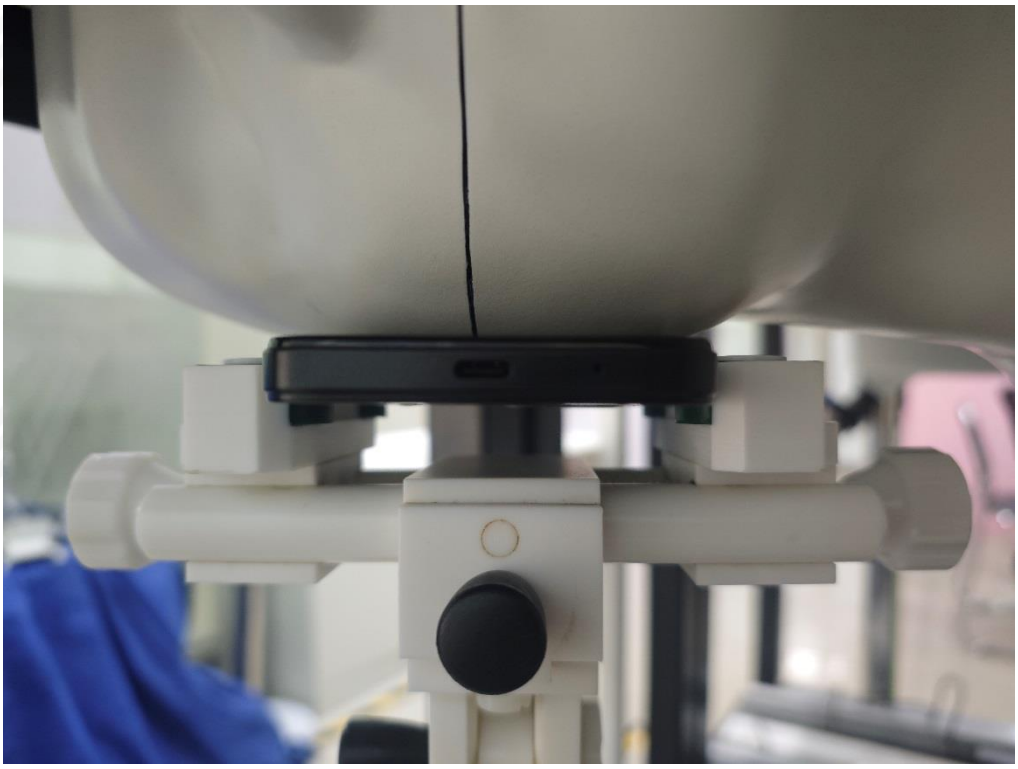


Right side

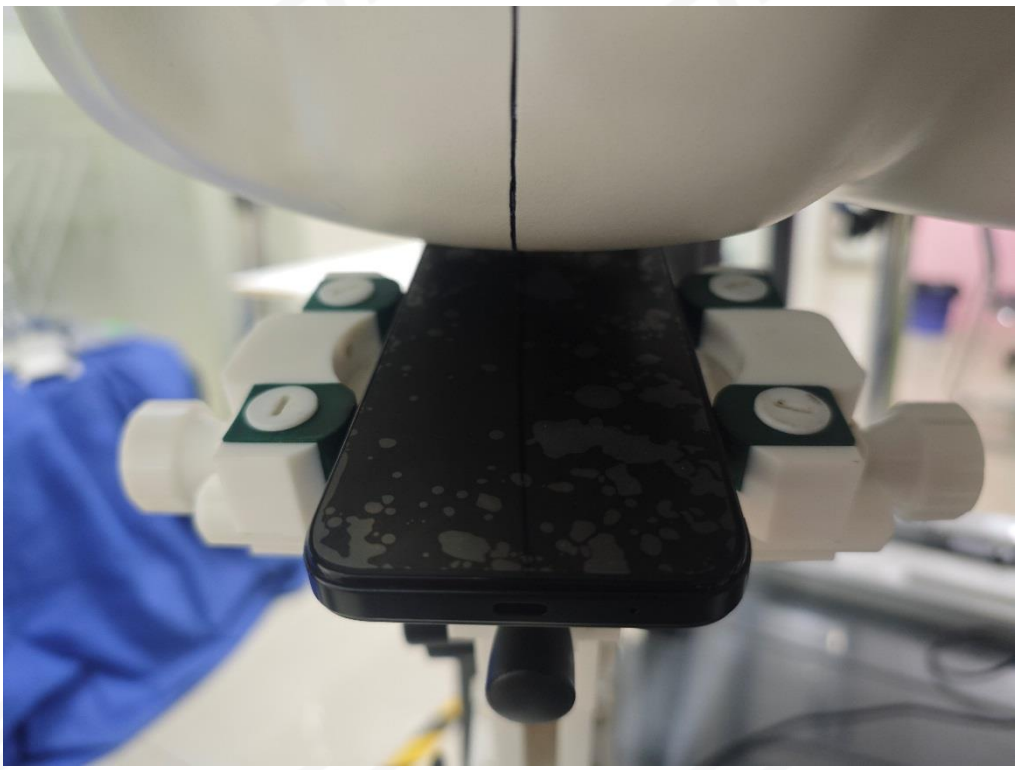


11.2 Setup Photo

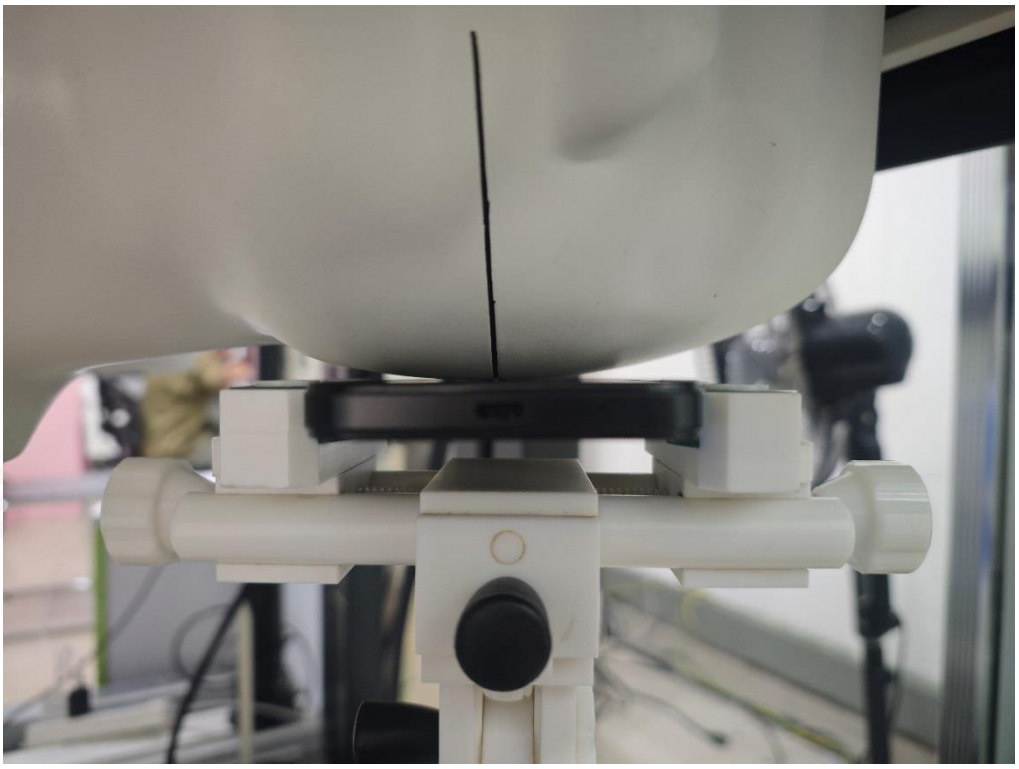
Right Touch



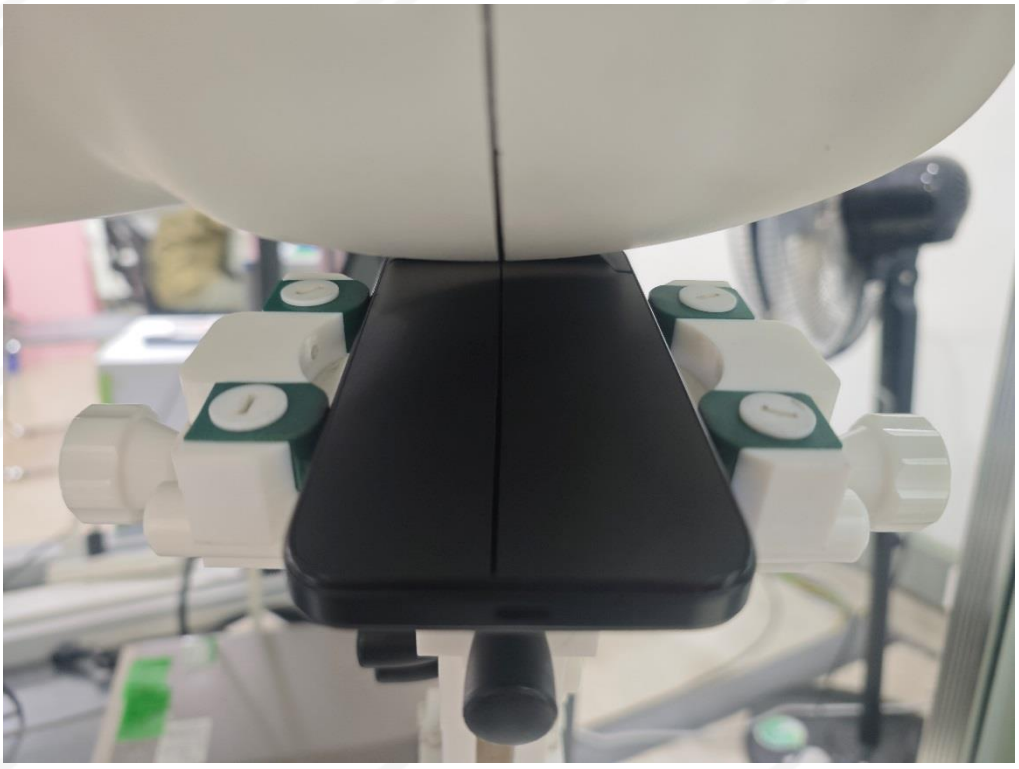
Right Tilt



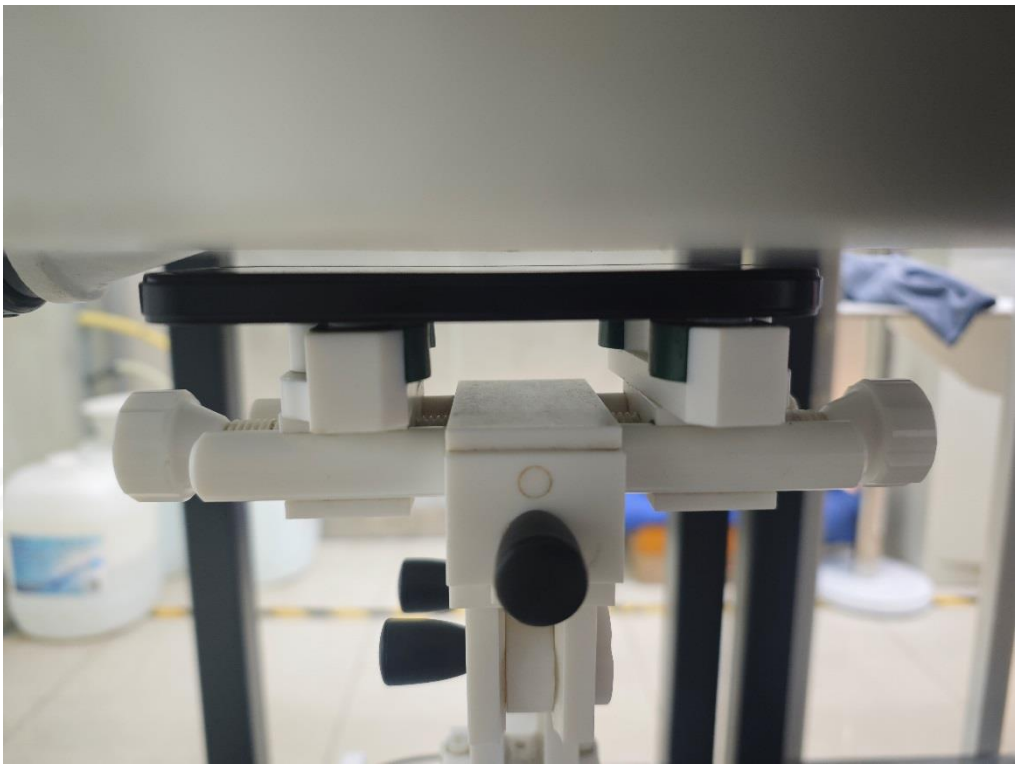
Left Touch



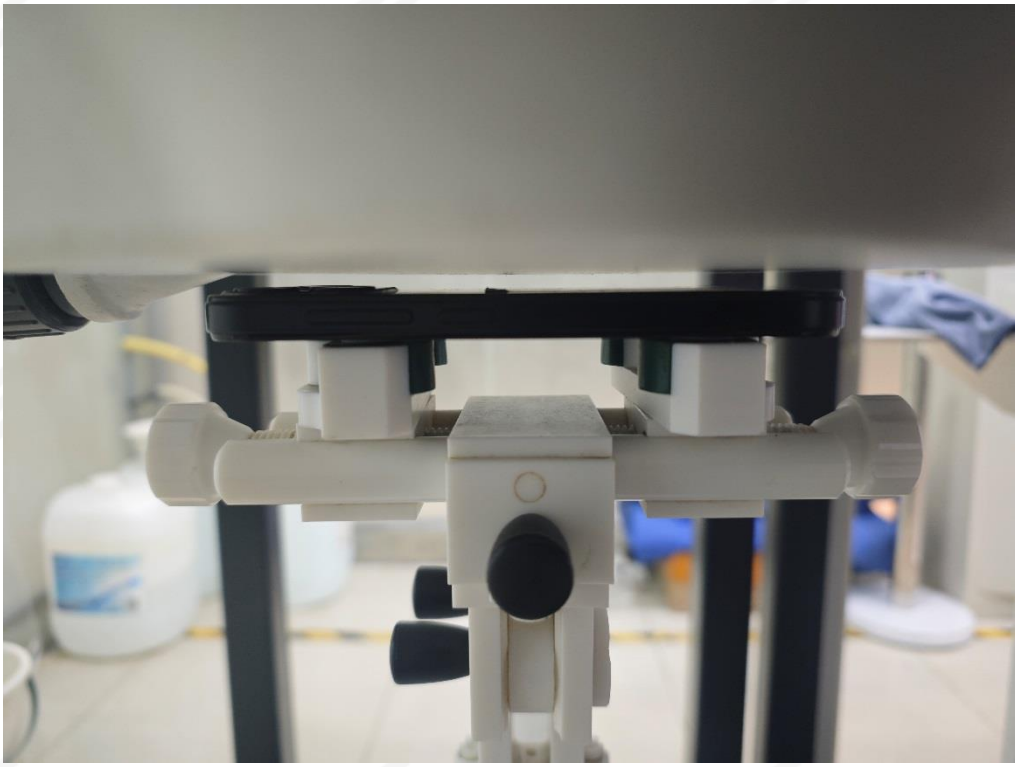
Left Tilt



Body Front side(separation distance is 5mm)



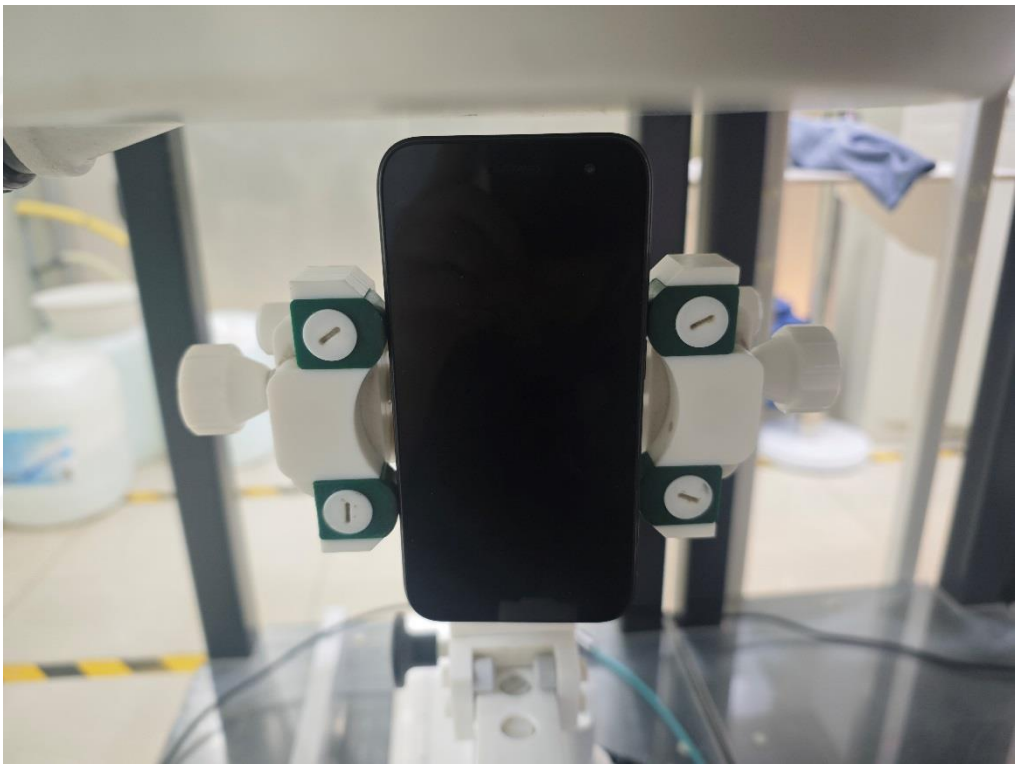
Body Back side(separation distance is 5mm)



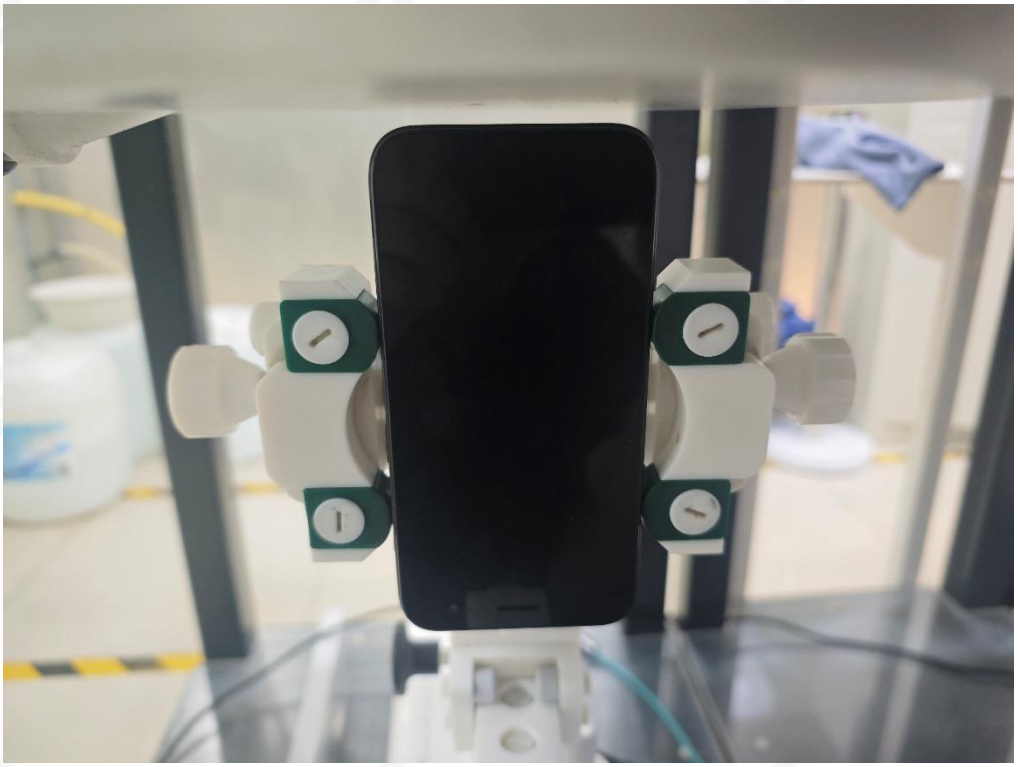
Body Left side(separation distance is 5mm)

Body Right side(separation distance is 5mm)

Body Bottom side(separation distance is 5mm)



Body Top side(separation distance is 5mm)



Liquid depth (15 cm)