SAR Test Report

Report No.: AGC14499241202FH01

FCC ID	:	2APPZ-W635C
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	Phone
BRAND NAME	:	Fanvil
MODEL NAME	:	W635C, W635C-S
APPLICANT	:	Fanvil Technology Co., Ltd
DATE OF ISSUE	:	May 19, 2025
STANDARD(S)	:	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2019
REPORT VERSION	:	V1.0

Attestation of Global Compliance(Shenzhen) Co., Ltd.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	May 19, 2025	Valid	Initial Release

Test Report

Applicant Name	Fanvil Technology Co., Ltd
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Manufacturer Name	Fanvil Technology Co., Ltd
Manufacturer Address	13th Floor, Building 2, Runzhi R&D Center, Xin'an Street, Bao'an District, Shenzhen, Guangdong, 518000 China
Factory Name	N/A
Factory Address	N/A
Product Designation	Phone
Brand Name	Fanvil
Model Name	W635C
Series Model	W635C-S
Declaration of Difference	W635C does not have a scanning head, W635C-S has a scanning head.
EUT Voltage	DC 3.87V by battery
Applicable Standard	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2019
Date of receipt of test item	Dec. 10, 2024
Test Date	Apr. 13, 2025 to Apr. 27, 2025
Report Template	AGCRT-US-4G/SAR (2021-04-20)

Note: The results of testing in this report apply to the product/system which was tested only.

Prepared By — Bibo Zhang (Project Engineer) — May 19, 2025

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1. SUMMARY OF MAXIMUM SAR VALUE

The maximum results of Specific Absorption Rate (SAR) found during testing for EUT are as follows:

Frequency Band	Highest Reported 1g-SAR(W/kg)			SAR Test Limit (W/kg)
	Head	Body-worn(with 5mm separation)	Hotspot(with 5mm separation)	
GSM 850	0.346	0.400	0.466	1.6
PCS 1900	0.074	0.164	0.182	
UMTS Band II	0.158	0.362	0.362	
UMTS Band V	0.327	0.430	0.430	
LTE Band 2	0.153	0.462	0.462	
LTE Band 4	0.136	0.575	0.575	
LTE Band 5	0.277	0.466	0.466	
LTE Band 7	0.158	0.684	0.684	
LTE Band 12	0.295	0.259	0.259	
LTE Band 13	0.158	0.200	0.200	
LTE Band 17	0.271	0.311	0.311	
LTE Band 25	0.148	0.338	0.338	
LTE Band 26(824-849MHz)	0.287	0.486	0.486	
LTE Band 26(814-824MHz)	0.208	0.323	0.323	
LTE Band 38	0.181	0.774	0.774	
LTE Band 40-Lower Side	0.088	0.204	0.204	
LTE Band 40- Upper Side	0.105	0.237	0.237	
LTE Band 41	0.228	1.168	1.168	
LTE Band 66	0.077	0.223	0.223	
WIFI 2.4G	0.222	0.117	0.117	
5.2GHz (U-NII-1)	0.160	0.154	0.154	
5.3GHz (U-NII-2A)	0.143	0.197	0.197	
5.6GHz (U-NII-2C)	0.173	0.435	0.435	
5.8GHz (U-NII-3)	0.187	0.192	0.192	
Simultaneous Reported SAR	1.335			
SAR Test Result	PASS			

This device is compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6W/kg) specified in IEEE Std. 1528:2013; FCC 47CFR § 2.1093; IEEE/ANSI C95.1:2005 and the following specific FCC Test Procedures:

- KDB 447498 D01 General RF Exposure Guidance v06
- KDB 648474 D04 Handset SAR v01r03
- KDB 865664 D01 SAR Measurement 100MHz to 6GHz v01r04
- KDB 941225 D01 3G SAR Procedures v03r01
- KDB 941225 D06 Hotspot Mode v02r01
- KDB 248227 D01 802 11 Wi-Fi SAR v02r02
- KDB 941225 D05 SAR for LTE Devices v02r05

Note: This standard FCC 47 CFR Part 2§2.1093 is not within the A2LA control range.

2. GENERAL INFORMATION

2.1. EUT Description

General Information	
Product Designation	Phone
Test Model	W635C
Hardware Version	RevB_WW
Software Version	W635C_DG400_241129
Sample ID	241210063
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	WWAN :SPS Antenna BT&WIFI :FPC Antenna
GSM and GPRS& EGPRS	
Support Band	☒GSM 850 ☒PCS 1900 ☐GSM 900 ☐DCS 1800
GPRS & EGPRS Type	Class B
GPRS & EGPRS Class	Class 12(1Tx+4Rx, 2Tx+3Rx, 3Tx+2Rx, 4Tx+1Rx)
TX Frequency Range	GSM 850 : 820-850MHz; PCS 1900: 1850-1910MHz;
RX Frequency Range	GSM 850 : 869~894MHz; PCS 1900: 1930~1990MHz
Release Version	R99
Type of modulation	GMSK for GSM/GPRS; GMSK & 8-PSK for EGPRS
Antenna Gain	GSM850: -3.31dBi; PCS1900: -1.12dBi
Max. Average Power	GSM850: 32.97dBm; PCS1900: 28.71dBm
WCDMA	
Support Band	☒UMTS FDD Band II ☒UMTS FDD Band V ☐UMTS FDD Band IV ☐UMTS FDD Band I ☐UMTS FDD Band III ☐UMTS FDD Band VIII
HS Type	HSPA(HSUPA/HSDPA)
TX Frequency Range	FDD Band II: 1850-1910MHz; FDD Band V: 824-849MHz
RX Frequency Range	FDD Band II: 1930-1990MHz; FDD Band V: 869-894MHz
Release Version	Release 6 and later
Type of modulation	HSDPA:QPSK/16QAM; HSUPA:BPSK; WCDMA:QPSK
Antenna Gain	Band II: -1.12dBi; Band V: -3.31dBi
Max. Average Power	Band II: 23.43dBm; Band V: 23.71dBm
Bluetooth	
Bluetooth Version	V5.0
Operation Frequency	2402~2480MHz
Type of modulation	☒GFSK ☒Π/4-DQPSK ☒8-DPSK
Peak Power	5.690dBm
Antenna Gain	3.46dBi
2.4GHz WIFI	
WIFI Specification	☐802.11a ☒802.11b ☒802.11g ☒802.11n(20) ☒802.11n(40)
Operation Frequency	2412~2462MHz
Avg. Burst Power	11b: 14.54dBm,11g:13.34dBm,11n(20):11.99dBm,11n(40):10.96dBm
Antenna Gain	3.46dBi

EUT Description(Continue)

LTE	
Support Band	☒FDD Band 2 ☒FDD Band 4 ☒FDD Band 5 ☒FDD Band 7 ☒FDD Band 12 ☒FDD Band 13 ☐FDD Band 14 ☒FDD Band 17 ☒FDD Band 25 ☒FDD Band 26 ☒TDD Band 38 ☒TDD Band 40 ☒TDD Band 41 ☒FDD Band 66 ☐FDD Band 71
TX Frequency Range	Band 2:1850-1910MHz; Band 4:1710-1755MHz;Band 5:824-849MHz; Band 7:2500-2570MHz; Band 12:699-716MHz; Band 13: 777-787MHz; Band 17: 704-716MHz; Band 25: 1850-1915MHz; Band 26: 824-849MHz; Band 26: 814-824MHz; Band 38: 2570-2620 MHz; Band 40:2305-2320&2345-2360MHz; Band 41:2496-2690MHz; Band 66:1700-1780MHz;
RX Frequency Range	Band 2:1930-1990MHz; Band 4:2110-2155MHz; Band 5:869-894MHz; Band 7:2620-2690MHz; Band 12: 729-746 MHz; Band 13: 746-756MHz; Band 17: 734-746 MHz; Band 25: 1930-1995MHz; Band 26: 869-894MHz; Band 26: 859-869MHz; Band 38: 2570-2620 MHz; Band 40:2305-2320&2345-2360MHz; Band 41:2496-2690MHz; Band 66:2110-2200MHz;
Type of modulation	QPSK, 16QAM
Antenna Gain	Band 2: -1.12dBi; Band 4: -0.15dBi; Band 5: -3.31dBi; Band 7: 3.48dBi; Band 12: -17.24dBi; Band 13: -9.66dBi; Band 17: -17.24dBi; Band 25: -1.12dBi; Band 26: -3.31dBi; Band 38: 3.48dBi; Band 40: 1.95dBi; Band 41: 3.48dBi; Band 66: -0.15dBi;
Max. Average Power	Band 2: 22.38dBm; Band 4: 22.44dBm; Band 5: 22.96dBm; Band 7:22.32dBm; Band 12: 23.09dBm; Band 13: 22.66dBm; Band 17: 22.96dBm; Band 25: 22.46dBm; Band 26(824-849MHz): 22.73dBm; Band 26(814-824MHz): 22.74dBm;Band 38: 22.50 dBm; LTE-Band 40(Lower Side): 22.45dBm; LTE-Band 40 (Upper Side): 22.42dBm; Band 41: 22.52dBm; Band 66: 22.44dBm;
5 GHz WIFI	
WIFI Specification	☒802.11a ☒802.11n20 ☒802.11n40 ☒802.11ac20 ☒802.11ac40 ☒802.11ac80
Operation Frequency	U-NII-1: 5180MHz~5240MHz; U-NII-2A: 5260MHz~5320MHz; U-NII-2C: 5500MHz~5700MHz;U-NII-3: 5745MHz~5825MHz
Max. conducted Power	U-NII-1: 14.64dBm; U-NII-2A: 14.28dBm; U-NII-2C: 14.49dBm; U-NII-3:11.23dBm
Antenna Gain	4.11dBi

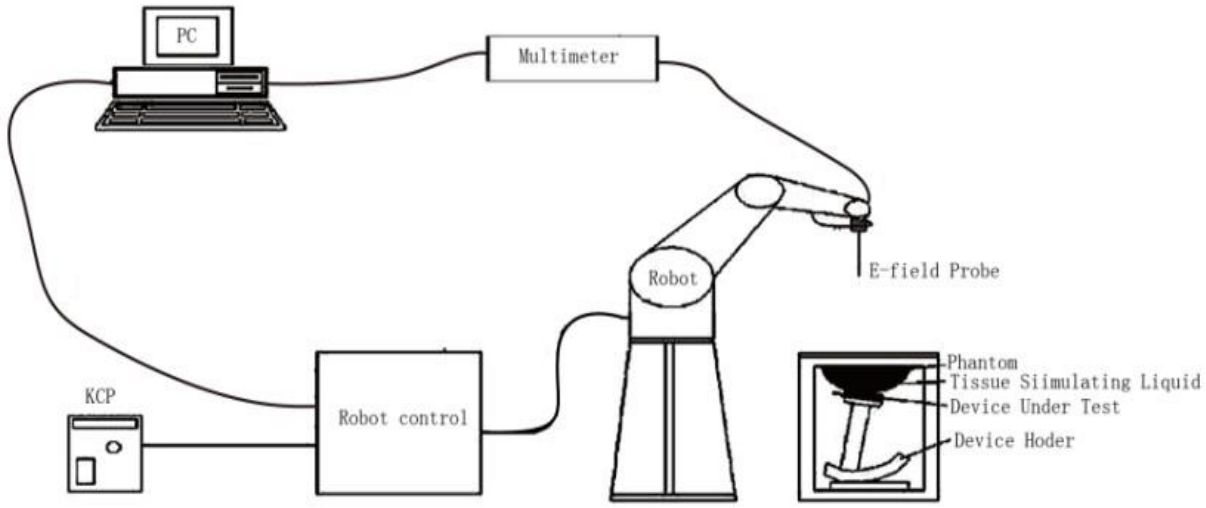
Accessories	
Battery	Brand name: N/A Model No. : FV-BA001 Voltage and Capacitance: 3.87 V & 4800mAh

Note:
1.CMU200 can measure the average power and Peak power at the same time
2.The sample used for testing is end product.
3. The test sample has no any deviation to the test method of standard mentioned in page 1.
4.The Phone W635C and the Phone Station CH25 are shipped as a set, and the set model name is V76C.
The Phone W635C and the Phone Station CH001 are shipped as a set, and the set model name is W635C.
The Phone W635C-S and the Phone Station CH25 are shipped as a set, and the set model name is V76C.
The Phone W635C-S and the Phone Station CH001 are shipped as a set, and the set model name is W635C-S .

Product	Type	
	☒ Production unit	☐ Identical Prototype

3. SAR MEASUREMENT SYSTEM

3.1. The SATIMO system used for performing compliance tests consists of following items



The COMOSAR system for performing compliance tests consists of the following items:

- The PC. It controls most of the bench devices and stores measurement data.A computer running WinXP and the Opensar software.
- The E-Field probe. The probe is a 3-axis system made of 3 distinct dipoles. Each dipole returns a voltage in function of the ambient electric field.
- The Keithley multimeter measures each probe dipole voltages.
- The SAM phantom simulates a human head. The measurement of the electric field is made inside the phantom.
- The liquids simulate the dielectric properties of the human head tissues.
- The network emulator controls the mobile phone under test.
- The validation dipoles are used to measure a reference SAR. They are used to periodically check the bench to make sure that there is no drift of the system characteristics over time.

·The phantom, the device holder and other accessories according to the targeted measurement.

3.2. COMOSAR E-Field Probe

The SAR measurement is conducted with the dosimetric probe manufactured by SATIMO. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. SATIMO conducts the probe calibration in compliance with international and national standards (e.g. IEEE 1528 and relevant KDB files.) The calibration data are in Appendix D.

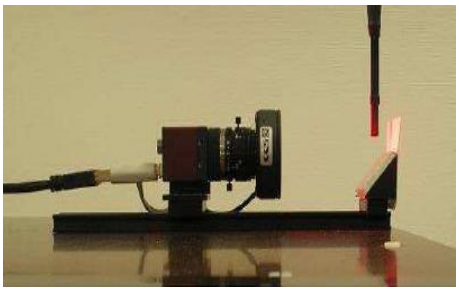
Isotropic E-Field Probe Specification

Model	SSE2	
Manufacture	MVG	
Identification No.	2023-EPGO-414	
Frequency	0.15GHz-7.5GHz Linearity:±0.08dB(0.15GHz-7.5GHz)	
Dynamic Range	0.01W/kg-100W/kg Linearity:±0.08dB	
Dimensions	Overall length:330mm Length of individual dipoles:2mm Maximum external diameter:8mm Probe Tip external diameter:2.5mm Distance between dipoles/ probe extremity:1mm	
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precisin of better 30%.	

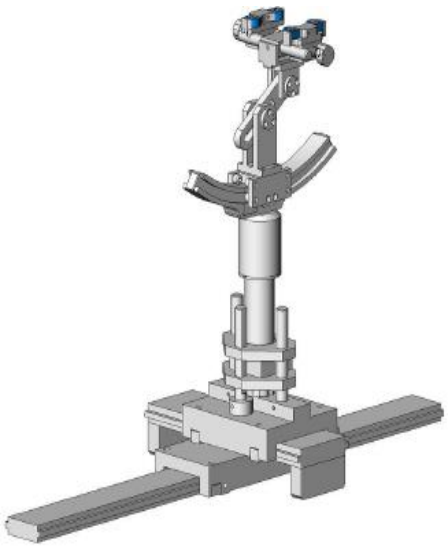
3.3. Robot

The COMOSAR system uses the KUKA robot from SATIMO SA (France).For the 6-axis controller COMOSAR system, the KUKA robot controller version from SATIMO is used. The XL robot series have many features that are important for our application: □ High precision (repeatability 0.02 mm) □ High reliability (industrial design) □ Jerk-free straight movements □ Low ELF interference (the closed metallic construction shields against motor control fields) □ 6-axis controller	

3.4. Video Positioning System

The video positioning system is used in OpenSAR to check the probe. Which is composed of a camera, LED, mirror and mechanical parts.The camera is piloted by the main computer with firewire link. During the process, the actual position of the probe tip with respect to the robot arm is measured, as well as the probe length and the horizontal probe offset. The software then corrects all movements, such that the robot coordinates are valid for the probe tip. The repeatability of this process is better than 0.1 mm. If a position has been taught with an aligned probe, the same position will be reached with another aligned probe within 0.1 mm, even if the other probe has different dimensions. During probe rotations, the probe tip will keep its actual position.	

3.5. Device Holder

The COMOSAR device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation center for both scales is the ear reference point (EPR). Thus the device needs no repositioning when changing the angles. The COMOSAR device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity εr =3 and loss tangent δ = 0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.	

3.6. SAM Twin Phantom

The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region where shell thickness increases to 6mm). It has three measurement areas: □ Left head □ Right head □ Flat phantom	

The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. A white cover is provided to tap the phantom during off-periods to prevent water evaporation and changes in the liquid parameters. On the phantom top, three reference markers are provided to identify the phantom position with respect to the robot.

4. SAR MEASUREMENT PROCEDURE

4.1. Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in 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 occupational/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 given mass density (ρ). The equation description is as below:

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

SAR is expressed in units of Watts per kilogram (W/kg)
SAR can be obtained using either of the following equations:

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

$$SAR = c_h \frac{dT}{dt}\Big|_{t=0}$$

Where

SAR	is the specific absorption rate in watts per kilogram;
E	is the r.m.s. value of the electric field strength in the tissue in volts per meter;
σ	is the conductivity of the tissue in siemens per metre;
ρ	is the density of the tissue in kilograms per cubic metre;
c_h	is the heat capacity of the tissue in joules per kilogram and Kelvin;
$\frac{dT}{dt} \mid t = 0$	is the initial time derivative of temperature in the tissue in kelvins per second

4.2. SAR Measurement Procedure

Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurement are for monitoring the power drift of the device under test in the batch process. The minimum distance of probe sensors to surface is 2.7mm This distance cannot be smaller than the distance os sensor calibration points to probe tip as `defined in the probe properties,

Step 2: Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in SATIMO software can find the maximum locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in db) is specified in the standards for compliance testing. For example, a 2db range is required in IEEE Standard 1528 standards, whereby 3db is a requirement when compliance is assessed in accordance with the ARIB standard (Japan) If one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximum are detected, the number of Zoom Scan has to be increased accordingly.

Area Scan Parameters extracted from KDB 865664 D01 SAR Measurement 100MHz to 6GHz

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 ± 1 mm	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Step 3: Zoom Scan

Zoom Scan are used to assess the peak spatial SAR value within a cubic average volume containing 1g abd 10g of simulated tissue. The Zoom Scan measures points(refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1g and 10g and displays these values next to the job's label.

Zoom Scan Parameters extracted from KDB865664 d01 SAR Measurement 100MHz to 6GHz

Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm
Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details. * When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

Step 4: Power Drift Measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the same settings. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1.

4.3. RF Exposure Conditions

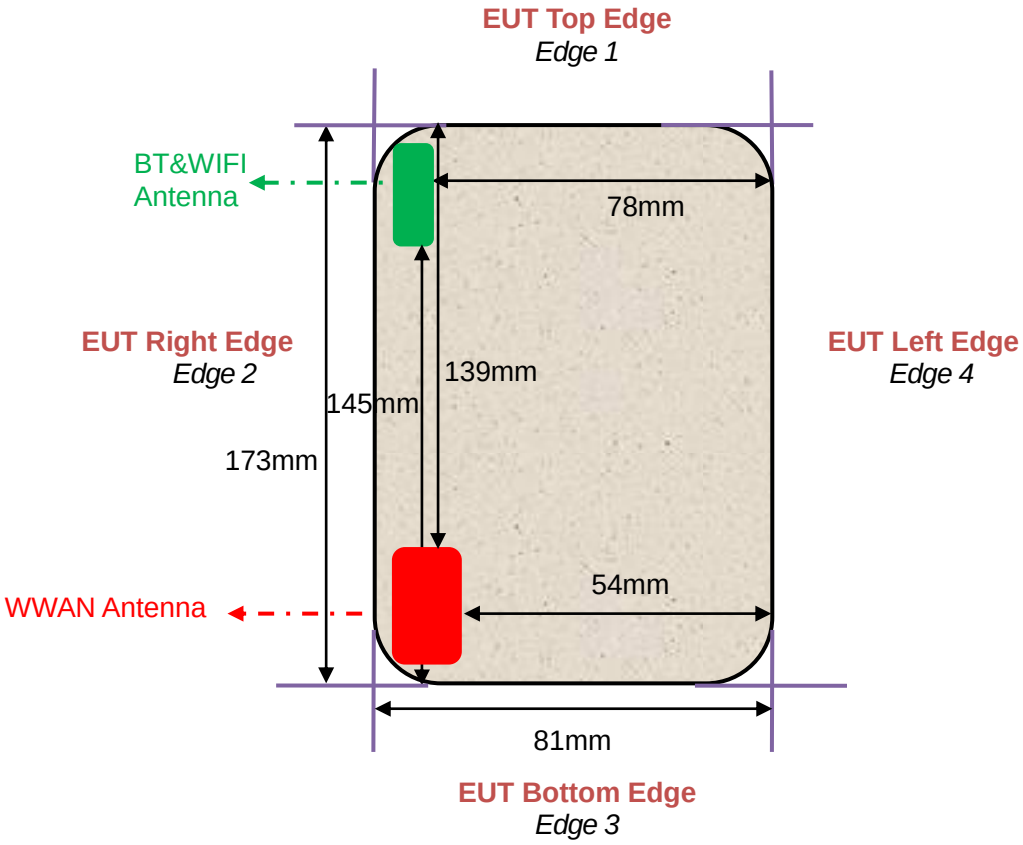
Test Configuration and setting:

The EUT is a model of GSM Portable Mobile Station (MS). It supports GSM/GPRS/EGPRS, WCDMA/HSPA, LTE, BT, WIFI, and support hot spot mode.

For WWAN SAR testing, the device was controlled by using a base station emulator. Communication between the device and the emulator were established by air link. The distance between the EUT and the antenna is larger than 50cm, and the output power radiated from the emulator antenna is at least 30db smaller than the output power of EUT.

For WLAN testing, the EUT is configured with the WLAN continuous TX tool through engineering command.

Antenna Location: (the back view)



For WWAN mode:

Test Configurations	Antenna to edges/surface	SAR required	Note
Head			
Left Touch		Yes	--
Left Tilt		Yes	--
Right Touch		Yes	--
Right Tilt		Yes	--
Body			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Hotspot			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Edge 1 (Top)	139mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 2 (Right)	2mm	Yes	--
Edge 3 (Bottom)	1mm	Yes	--
Edge 4 (Left)	54mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR

For WLAN mode:

Test Configurations	Antenna to edges/surface	SAR required	Note
Head			
Left Touch		Yes	--
Left Tilt		Yes	--
Right Touch		Yes	--
Right Tilt		Yes	--
Body			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Hotspot			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Edge 1 (Top)	3mm	Yes	--
Edge 2 (Right)	3mm	Yes	--
Edge 3 (Bottom)	145mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 4 (Left)	78mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR

5. TISSUE SIMULATING LIQUID

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15cm. For head SAR testing the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15cm For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5% are listed in 5.2

5.1. The composition of the tissue simulating liquid

Ingredient (% Weight) / **Frequency** (MHz)	**Water**	**Nacl**	**Polysorbate 20**	**DGBE**	**1,2-Propanediol**	**Triton X-100**	**Diethylen glycol monohex ylether**
750 Head	35	2	0.0	0.0	63	0.0	0.0
835 Head	50.36	1.25	48.39	0.0	0.0	0.0	0.0
1750 Head	52.64	0.36	0.0	47	0.0	0.0	0.0
1900 Head	54.9	0.18	0.0	44.92	0.0	0.0	0.0
2300 Head	62.82	0.51	0.0	36.67	0.0	0.0	0.0
2450 Head	71.88	0.16	0.0	7.99	0.0	19.97	0.0
2600 Head	55.242	0.306	0	44.452	0	0	0.0
5000 Head	65.52	0.0	0.0	0.0	0.0	17.24	17.24

5.2. Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEEE 1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head and body tissue parameters that have not been specified in IEEE 1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in IEEE 1528.

Target Frequency (MHz)	head		body	
	εr	σ (S/m)	εr	σ (S/m)
300	45.3	0.87	45.3	0.87
450	43.5	0.87	43.5	0.87
750	**41.9**	**0.89**	**41.9**	**0.89**
835	**41.5**	**0.90**	**41.5**	**0.90**
900	41.5	0.97	41.5	0.97
915	41.5	1.01	41.5	1.01
1450	40.5	1.20	40.5	1.20
1610	40.3	1.29	40.3	1.29
1750	**40.1**	**1.37**	**40.1**	**1.37**
1800 – 2000	**40.0**	**1.40**	**40.0**	**1.40**
2300	**39.5**	**1.67**	**39.5**	**1.67**
2450	**39.2**	**1.80**	**39.2**	**1.80**
2600	**39.0**	**1.96**	**39.0**	**1.96**
3000	38.5	2.40	38.5	2.40
5200	**36.0**	**4.66**	**36.0**	**4.66**
5300	**35.9**	**4.76**	**35.9**	**4.76**
5600	**35.5**	**5.07**	**35.5**	**5.07**
5800	**35.3**	**5.27**	**35.3**	**5.27**

(εr = relative permittivity, σ = conductivity and ρ = 1000 kg/m3

5.3. Tissue Calibration Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using SATIMO Dielectric Probe Kit and R&S Network Analyzer ZVL6.

Tissue Stimulant Measurement for 750MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 41.9 (39.805-43.995)	δ[s/m] 0.89(0.8455-0.9345)		
Head	707.5	43.13	0.88	20.4	Apr. 26, 2025
	710	42.86	0.90		
	750	42.57	0.91		
	782	41.63	0.92		

Tissue Stimulant Measurement for 835MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 41.5 (39.425-43.575)	δ[s/m] 0.90(0.855-0.945)		
Head	819	41.36	0.86	21.1	Apr. 27, 2025
	835	40.59	0.88		
	836.4	39.90	0.90		
	836.5	39.90	0.90		
	836.6	39.90	0.90		

Tissue Stimulant Measurement for 1750MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 40.1 (38.095-42.105)	δ[s/m]1.37(1.3015-1.439)		
Head	1732.5	41.67	1.39	20.7	Apr. 13, 2025
	1750	41.31	1.41		
	1755	40.33	1.42		

Tissue Stimulant Measurement for 1900MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr40.00(38.00-42.00)	δ[s/m]1.40(1.33-1.47)		
Head	1880	41.61	1.40	20.8	Apr. 23, 2025
	1882.5	41.33	1.42		
	1900	41.26	1.43		

Tissue Stimulant Measurement for 2300MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 39.5 (37.525-41.475)	δ[s/m]1.67 (1.5865-1.7535)		
Head	2300	39.23	1.69	20.5	Apr. 25, 2025
	2310	38.62	1.71		
	2355	38.11	1.73		

Tissue Stimulant Measurement for 2450MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr39.2(37.24-41.16)	δ[s/m]1.80(1.71-1.89)		
	2437	40.06	1.73	20.9	Apr. 24, 2025
	2450	40.95	1.75		

Tissue Stimulant Measurement for 2600MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr39(37.05-40.95)	δ[s/m]1.96(1.86-2.06)		
	2506	40.22	1.89	20.9	Apr. 17, 2025
	2535	39.16	1.91		
	2593	39.08	1.92		
	2595	38.99	1.92		
	2600	38.82	1.93		
	2680	38.51	1.96		

Tissue Stimulant Measurement for 5200MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 36.0(34.105-37.695)	δ[s/m] 4.66(4.427-4.893)		
	5200	35.68	4.53	20.5	Apr. 20, 2025

Tissue Stimulant Measurement for 5300MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 35.9(34.105-37.695)	δ[s/m] 4.76(4.522-4.998)		
	5300	36.28	4.94	21.1	Apr. 19, 2025

Tissue Stimulant Measurement for 5600MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 35.5(33.725-37.275)	δ[s/m] 5.07(5.0065-5.5335)		
	5580	36.79	5.15	21.1	Apr. 21, 2025
	5600	36.31	5.17		

Tissue Stimulant Measurement for 5800MHz					
Head	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 35.3 (33.535-37.065)	δ[s/m] 5.27 (5.0065-5.5335)		
	5785	36.01	5.22	21.5	Apr. 22, 2025
	5800	35.23	5.25		

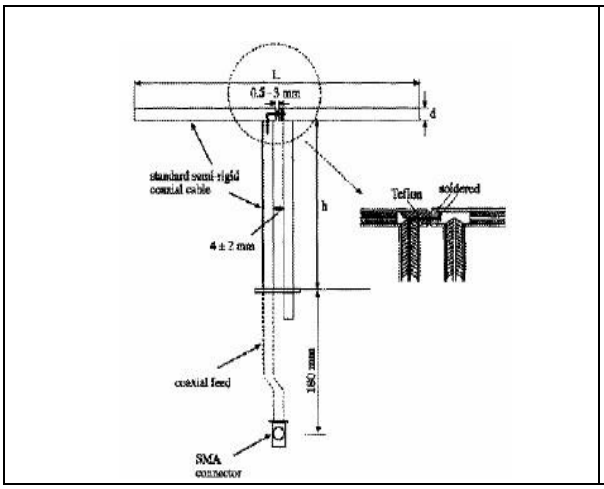
6. SAR SYSTEM CHECK PROCEDURE

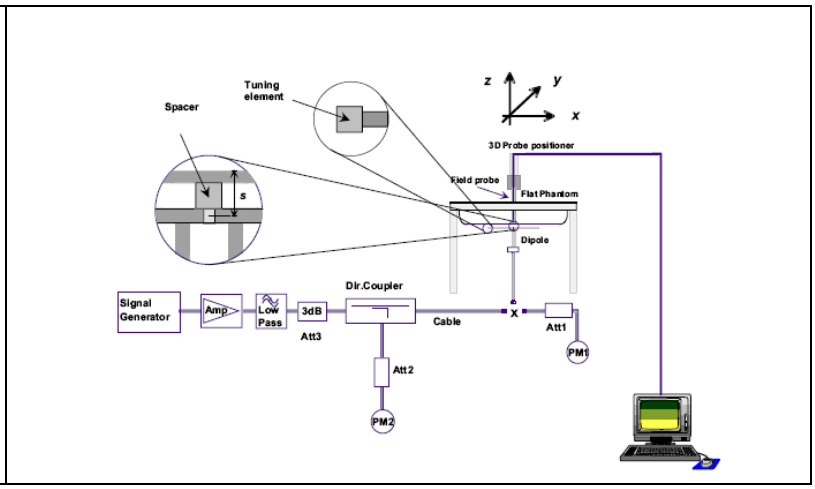
6.1. SAR System Check Procedures

SAR system check is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are remeasured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.

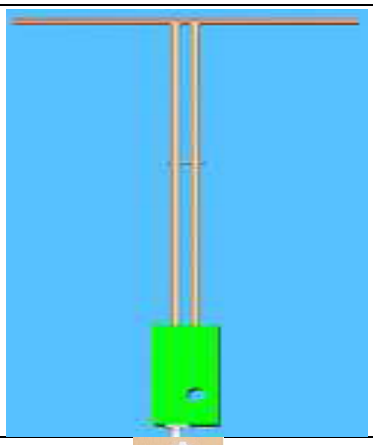
Each SATIMO system is equipped with one or more system check kits. These units, together with the predefined measurement procedures within the SATIMO software, enable the user to conduct the system check and system validation. System kit includes a dipole, and dipole device holder.

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 check setup is shown as below.





6.2. SAR System Check
6.2.1. Dipoles

	The dipoles are based on the IEEE-1528 standard, and are complied with mechanical and electrical specifications in line with the requirements of IEEE. the table below provides details for the mechanical and electrical Specifications for the dipoles.
	The dipole is based on the IEEE-1528 standard, and is complied with mechanical and electrical specifications in line with the requirements of IEEE. The table below provides details for the mechanical and electrical specifications for the wave guide.

Frequency	L (mm)	h (mm)	d (mm)
750MHz	176	100	6.35
835MHz	161.0	89.8	3.6
1800MHz	71.6	41.7	3.6
1900MHz	68	39.5	3.6
2300MHz	55.5	32.6	3.6
2450MHz	51.5	30.4	3.6
2600MHz	48.5	28.8	3.6
5000MHz	20.6	40.3	3.6

6.2.2. System Check Result

System Performance Check at 750MHz&835MHz &1800MHz &1900MHz &2300MHz &2450MHz&2600MHz & 5200-5800MHz for Head								
Validation Kit: SN 22/16 DIP 0G750-417& SN 15/16 DIP 0G835-399& SN 46/11 DIP 1G800-186& SN 29/15 DIP 1G900-389& SN 22/16 DIP 2G300-412& SN 29/15 DIP 2G450-393& SN 22/16 DIP 2G600-407& SN 17/22 DIP 5G000-671								
Frequency [MHz]	Target Value(W/kg)		Reference Result (± 10%)		Tested Value(W/kg)		Tissue Temp. [°C]	Test time
	1g	10g	1g	10g	1g	10g		
750	8.33	5.44	7.497-9.163	4.896-5.984	8.76	5.61	20.4	Apr. 26, 2025
835	9.67	6.14	8.703-10.637	5.526-6.754	10.20	6.42	21.1	Apr. 27, 2025
1800	37.76	19.60	33.984-41.536	17.640-21.560	40.89	21.05	20.7	Apr. 13, 2025
1900	41.26	20.86	37.134-45.386	18.774-22.946	42.35	21.29	20.8	Apr. 23, 2025
2300	50.12	23.16	45.108-55.132	20.844-25.476	49.37	22.74	20.5	Apr. 25, 2025
2450	54.32	24.25	48.888-59.752	21.825-26.675	52.89	23.69	20.9	Apr. 24, 2025
2600	54.94	23.77	49.446-60.434	21.393-26.147	54.95	24.04	20.9	Apr. 17, 2025
5200	73.43	21.83	66.087-80.773	19.647-24.013	74.02	21.20	20.5	Apr. 20, 2025
5200	73.43	21.83	66.087-80.773	19.647-24.013	77.78	22.41	21.1	Apr. 19, 2025
5600	78.20	24.12	70.380-86.02	21.708-26.532	82.35	23.26	21.1	Apr. 21, 2025
5800	75.69	22.44	68.121-83.259	20.196-24.684	80.65	23.46	21.5	Apr. 22, 2025

Note:
(1) We use a CW signal of 18dBm, 10dBm for system check, and then all SAR value are normalized to 1W forward power. The result must be within ±10% of target value.

7. EUT TEST POSITION

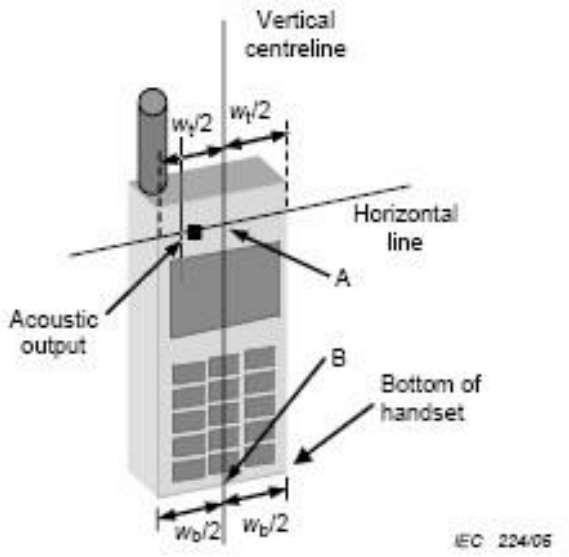
This EUT was tested in **Right Cheek, Right Tilted, Left Cheek, Left Tilted, Body back, Body front and 4 edges.**

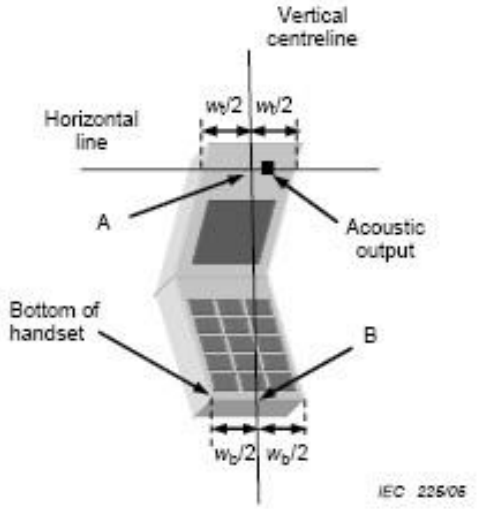
7.1. Define Two Imaginary Lines on the Handset

(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.





7.2. 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 picec 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 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

7.3. Tilt Position

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

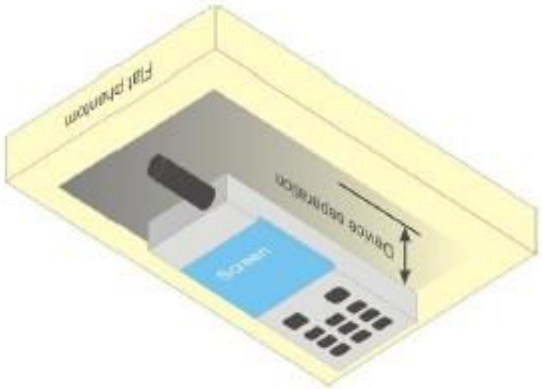
(2) While maintaining the device in the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until with the ear is lost.

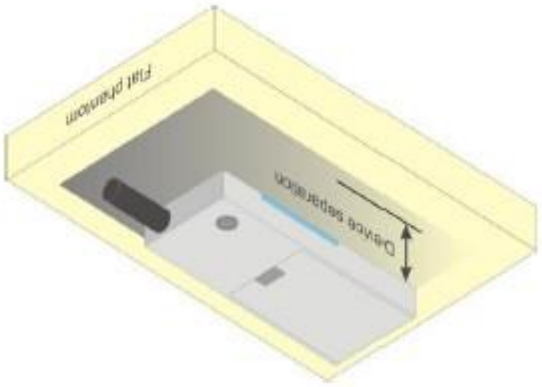
7.4. Body Worn Position

(1) To position the EUT parallel to the phantom surface.

(2) To adjust the EUT parallel to the flat phantom.

(3) To adjust the distance between the EUT surface and the flat phantom to **5mm.**





8. SAR EXPOSURE LIMITS

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

Type Exposure	Uncontrolled Environment Limit (W/kg)
Spatial Peak SAR (1g cube tissue for brain or body)	1.60
Spatial Average SAR (Whole body)	0.08
Spatial Peak SAR (Limbs)	4.0

9. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Designation Number	CN1259
FCC Test Firm Registration Number	975832
A2LA Cert. No.	5054.02
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA

10. TEST EQUIPMENT LIST

Equipment description	Manufacturer/ Model	Identification No.	Software version	Current calibration date	Next calibration date
SAR Probe	MVG	2023-EPGO-414	N/A	Apr. 30, 2024	Apr. 29, 2025
Phantom	SATIMO	SN_4511_SAM90	N/A	Validated. No cal required.	Validated. No cal required.
Liquid	SATIMO	N/A	N/A	Validated. No cal required.	Validated. No cal required.
Comm Tester	Agilent-8960	GB46200384	N/A	May 28, 2024	May 27, 2025
Comm Tester	R&S- CMW500	121209	V3.7.40	May 23, 2024	May 22, 2025
Multimeter	Keithley 2000	1350784	N/A	May 24, 2024	May 23, 2025
SAR Software	SATIMO-OpenSAR	N/A	OpenSAR V4_02_32	N/A	N/A
Dipole	SATIMO SID750	SN 22/16 DIP 0G750-417	N/A-	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID835	SN 15/16 DIP 0G835-399	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID1800	SN 46/11 DIP 1G800-186	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID1900	SN 29/15 DIP 1G900-389	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID2300	SN 22/16 DIP 2G300-412	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID2450	SN 29/15 DIP 2G450-393	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SATIMO SID2600	SN 22/16 DIP 2G600-407	N/A	Apr. 28,2022	Apr. 27, 2025
Dipole	SID5000	SN 17/22 DIP 5G000-671	N/A	Apr. 28,2022	Apr. 27, 2025
Signal Generator	Agilent-E4438C	US41461365	V5.03	May 24, 2024	May 23, 2025
EXA Signal Analyzer	Agilent / N9010A	MY53470504	N/A	May 28, 2024	May 27, 2025
Network Analyzer	Rhode & Schwarz ZVL6	SN101443	3.2	Jul. 24, 2024	Jul. 23, 2025
Attenuator	Warison /WATT-6SR1211	S/N:WRJ34AYM2F1	N/A	June 06, 2024	June 05, 2025
Attenuator	Mini-circuits / VAT-10+	31405	N/A	June 06, 2024	June 05, 2025
Amplifier	AS0104-55_55	1004793	N/A	N/A	N/A
Directional Couple	Werlatone/ C5571-10	SN99463	N/A	Feb. 01, 2024	Jan. 31, 2026
Directional Couple	Werlatone/ C6026-10	SN99482	N/A	Feb. 01, 2024	Jan. 31, 2026
Power Sensor	NRP-Z21	104604	N/A	May 24, 2024	May 23, 2025
Power Sensor	NRP-Z23	100323	N/A	Jun. 05, 2024	Jun. 04, 2025
Power Viewer	R&S	V2.3.1.0	N/A	N/A	N/A
Calibration standard parts for network sub - port	R&S/ ZV-Z132	N/A	V2.3.1.0	Nov. 08, 2024	Nov. 07, 2025
Thermometer	DigiMate/TP677	3811930452	N/A	June 06, 2024	June 05, 2025

Note: Per KDB 865664 Dipole SAR Validation, AGC Lab has adopted 3 years calibration intervals. On annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:
1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss is within 20% of calibrated measurement;
4. Impedance is within 5Ω of calibrated measurement.

11. MEASUREMENT UNCERTAINTY

SATIMO Uncertainty- 2023-EPGO-414 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	7.000	N	1	1	1	7.000	7.000	∞
Axial Isotropy	E.2.2	0.090	R	$\sqrt{3}$	√0.5	√0.5	0.037	0.037	∞
Hemispherical Isotropy	E.2.2	0.090	R	$\sqrt{3}$	√0.5	√0.5	0.037	0.037	∞
Boundary effect	E.2.3	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Linearity	E.2.4	0.890	R	$\sqrt{3}$	1	1	0.514	0.514	∞
System detection limits	E.2.4	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Modulation response	E2.5	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
Readout Electronics	E.2.6	0.021	N	1	1	1	0.021	0.021	∞
Response Time	E.2.7	0.000	R	$\sqrt{3}$	1	1	0.000	0.000	∞
Integration Time	E.2.8	1.400	R	$\sqrt{3}$	1	1	0.808	0.808	∞
RF ambient conditions-Noise	E.6.1	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
RF ambient conditions-reflections	E.6.1	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
Probe positioner mechanical tolerance	E.6.2	1.400	R	$\sqrt{3}$	1	1	0.808	0.808	∞
Probe positioning with respect to phantom shell	E.6.3	1.400	R	$\sqrt{3}$	1	1	0.808	0.808	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.300	R	$\sqrt{3}$	1	1	1.328	1.328	∞
Test sample Related									
Test sample positioning	E.4.2	2.6	N	1	1	1	2.600	2.600	∞
Device holder uncertainty	E.4.1	3	N	1	1	1	3.000	3.000	∞
Output power variation—SAR drift measurement	E.2.9	5	R	$\sqrt{3}$	1	1	2.887	2.887	∞
SAR scaling	E.6.5	5	R	$\sqrt{3}$	1	1	2.887	2.887	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	$\sqrt{3}$	1	1	2.309	2.309	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.900	1.596	∞
Liquid conductivity measurement	E.3.3	4	R	$\sqrt{3}$	0.78	0.71	3.120	2.840	∞
Liquid permittivity measurement	E.3.3	5	N	1	0.78	0.71	1.150	1.300	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	1.126	1.025	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	N	1	0.23	0.26	0.332	0.375	M
Combined Standard Uncertainty			RSS				10.526	10.341	
Expanded Uncertainty (95% Confidence interval)			K=2				21.052	20.682	

SATIMO Uncertainty- 2023-EPGO-414 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	7.000	N	1	1	1	7.000	7.000	∞
Axial Isotropy	E.2.2	0.090	R	$\sqrt{3}$	1	1	0.052	0.052	∞
Hemispherical Isotropy	E.2.2	0.090	R	$\sqrt{3}$	0	0	0.000	0.000	∞
Boundary effect	E.2.3	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Linearity	E.2.4	0.890	R	$\sqrt{3}$	1	1	0.514	0.514	∞
System detection limits	E.2.4	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	E2.5	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	E.2.6	0.021	N	1	1	1	0.021	0.021	∞
Response Time	E.2.7	0.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Integration Time	E.2.8	1.4	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions-reflections	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	E.6.2	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
System validation source									
Deviation of experimental dipole from numerical dipole	E.6.4	5.0	N	1	1	1	5.00	5.00	∞
Input power and SAR drift measurement	8,6.6.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and set-up									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4.0	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.90	1.60	∞
Liquid conductivity（temperature uncertainty）	E.3.3	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid conductivity（measured）	E.3.3	4	N	1	0.78	0.71	3.12	2.84	M
Liquid permittivity（temperature uncertainty）	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	∞
Liquid permittivity（measured）	E.3.4	5	N	1	0.23	0.26	1.15	1.30	M
Combined Standard Uncertainty			RSS				10.459	10.272	
Expanded Uncertainty (95% Confidence interval)			K=2				20.917	20.545	

SATIMO Uncertainty- 2023-EPGO-414 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	0.500	N	1	1	1	0.50	0.50	∞
Axial Isotropy	E.2.2	0.090	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Hemispherical Isotropy	E.2.2	0.090	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Boundary effect	E.2.3	1.000	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Linearity	E.2.4	0.890	R	$\sqrt{3}$	0	0	0.00	0.00	∞
System detection limits	E.2.4	1.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Modulation response	E2.5	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	E.2.6	0.021	N	1	0	0	0.00	0.00	∞
Response Time	E.2.7	0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Integration Time	E.2.8	1.4	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-reflections	E.6.1	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Probe positioner mechanical tolerance	E.6.2	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.3	R	$\sqrt{3}$	0	0	0.00	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	2.0	N	1	1	1	2.00	2.00	∞
Input power and SAR drift measurement	8,6.6.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	4	R	$\sqrt{3}$	0.78	0.71	3.12	2.84	∞
Liquid permittivity measurement	E.3.3	5	N	1	0.78	0.71	1.15	1.30	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	1.13	1.02	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	N	1	0.23	0.26	0.33	0.38	M
Combined Standard Uncertainty			RSS				5.562	5.203	
Expanded Uncertainty (95% Confidence interval)			K=2				11.124	10.406	

12. CONDUCTED POWER MEASUREMENT

GSM BAND

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <1>				
GSM 850	824.2	32.82	-9	23.82
	836.6	32.96	-9	23.96
	848.8	**32.97**	-9	23.97
GPRS 850 （1 Slot）	824.2	32.59	-9	23.59
	836.6	32.58	-9	23.58
	848.8	32.55	-9	23.55
GPRS 850 （2 Slot）	824.2	30.83	-6	24.83
	836.6	30.86	-6	24.86
	848.8	30.88	-6	**24.88**
GPRS 850 （3 Slot）	824.2	28.80	-4.26	24.54
	836.6	28.83	-4.26	24.57
	848.8	27.69	-4.26	23.43
GPRS 850 （4 Slot）	824.2	27.48	-3	24.48
	836.6	27.50	-3	24.50
	848.8	26.38	-3	23.38
EGPRS 850 （1 Slot）	824.2	24.26	-9	15.26
	836.6	24.23	-9	15.23
	848.8	24.25	-9	15.25
EGPRS 850 （2 Slot）	824.2	24.10	-6	18.10
	836.6	24.13	-6	18.13
	848.8	24.17	-6	18.17
EGPRS 850 （3 Slot）	824.2	22.69	-4.26	18.43
	836.6	22.80	-4.26	18.54
	848.8	22.81	-4.26	18.55
EGPRS 850 （4 Slot）	824.2	21.32	-3	18.32
	836.6	21.48	-3	18.48
	848.8	21.49	-3	18.49

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <2>				
GSM 850	824.2	32.69	-9	23.69
	836.6	32.20	-9	23.20
	848.8	32.36	-9	23.36
GPRS 850 （1 Slot）	824.2	31.79	-9	22.79
	836.6	32.49	-9	23.49
	848.8	32.32	-9	23.32
GPRS 850 （2 Slot）	824.2	30.19	-6	24.19
	836.6	30.19	-6	24.19
	848.8	30.57	-6	24.57
GPRS 850 （3 Slot）	824.2	28.73	-4.26	24.47
	836.6	28.80	-4.26	24.54
	848.8	26.82	-4.26	22.56
GPRS 850 （4 Slot）	824.2	26.63	-3	23.63
	836.6	26.66	-3	23.66
	848.8	26.08	-3	23.08

GSM BAND CONTINUE

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <1>				
PCS1900	1850.2	**28.71**	-9	19.71
	1880	28.22	-9	19.22
	1909.8	28.34	-9	19.34
GPRS1900 （1 Slot）	1850.2	28.65	-9	19.65
	1880	28.07	-9	19.07
	1909.8	28.17	-9	19.17
GPRS1900 （2 Slot）	1850.2	26.13	-6	**20.13**
	1880	25.57	-6	19.57
	1909.8	26.00	-6	20.00
GPRS1900 （3 Slot）	1850.2	24.25	-4.26	19.99
	1880	23.72	-4.26	19.46
	1909.8	23.93	-4.26	19.67
GPRS1900 （4 Slot）	1850.2	22.92	-3	19.92
	1880	22.42	-3	19.42
	1909.8	22.82	-3	19.82
EGPRS1900 （1 Slot）	1850.2	25.03	-9	16.03
	1880	24.63	-9	15.63
	1909.8	24.84	-9	15.84
EGPRS1900 （2 Slot）	1850.2	22.52	-6	16.52
	1880	22.14	-6	16.14
	1909.8	22.36	-6	16.36
EGPRS1900 （3 Slot）	1850.2	20.72	-4.26	16.46
	1880	20.37	-4.26	16.11
	1909.8	20.59	-4.26	16.33
EGPRS1900 （4 Slot）	1850.2	19.17	-3	16.17
	1880	19.12	-3	16.12
	1909.8	19.13	-3	16.13

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <2>				
PCS1900	1850.2	28.64	-9	23.90
	1880	27.80	-9	23.73
	1909.8	28.10	-9	22.54
GPRS1900 （1 Slot）	1850.2	28.14	-9	22.74
	1880	27.30	-9	22.25
	1909.8	27.81	-9	21.95
GPRS1900 （2 Slot）	1850.2	25.41	-6	23.74
	1880	24.95	-6	23.48
	1909.8	25.10	-6	22.61
GPRS1900 （3 Slot）	1850.2	23.91	-4.26	23.11
	1880	22.94	-4.26	22.73
	1909.8	23.49	-4.26	22.56
GPRS1900 （4 Slot）	1850.2	22.00	-3	25.84
	1880	21.47	-3	25.76
	1909.8	22.76	-3	26.33

Note 1:
The Frame Power (Source-based time-averaged Power) is scaled the maximum burst average power based on time slots. The calculated methods are show as following:
Frame Power = Max burst power (1 Up Slot) – 9 dB
Frame Power = Max burst power (2 Up Slot) – 6 dB
Frame Power = Max burst power (3 Up Slot) – 4.26 dB
Frame Power = Max burst power (4 Up Slot) – 3 dB
Note 2:
SAR is not required for GPRS (1 Slot) Mode because its output power is less than of Voice Mode

UMTS BAND
HSDPA Setup Configuration:

·The EUT was connected to Base Station Agilent-8960 referred to the Setup Configuration.

·The RF path losses were compensated into the measurements.

·A call was established between EUT and Based Station with following setting:

(1) Set Gain Factors(βc and βd) parameters set according to each

(2) Set RMC 12.2Kbps+HSDPA mode.

(3) Set Cell Power=-86dBm

(4) Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)

(5) Select HSDPA Uplink Parameters

(6) Set Delta ACK, Delta NACK and Delta CQI=8

(7) Set Ack - Nack Repetition Factor to 3

(8) Set CQI Feedback Cycle (k) to 4ms

(9) Set CQI Repetition Factor to 2

(10) Power Ctrl Mode=All Up bits

·The transmitted maximum output power was recorded.

Table C.10.2.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	βc (Note5)	βd	βd (SF)	βc/βd	βHS (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15(Note 4)	15/15(Note 4)	64	12/15(Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: ΔACK, ΔNACK and ΔCQI = 30/15 with β_{hs} = 30/15 * β_c .
Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, ΔACK and ΔNACK = 30/15 with β_{hs} = 30/15 * β_c , and ΔCQI = 24/15 with β_{hs} = 24/15 * β_c .
Note 3: CM = 1 for βc/βd =12/15, hs/ c=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.
Note 4: For subtest 2 the c/ d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to c = 11/15 and d = 15/15.

HSUPA Setup Configuration:

· The EUT was connected to Base Station Agilent-8960 referred to the Setup Configuration.

· The RF path losses were compensated into the measurements.

· A call was established between EUT and Base Station with following setting * :

(1) Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK

(2) Set the Gain Factors (βc and βd) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121

(3) Set Cell Power = -86 dBm

(4) Set Channel Type = 12.2k + HSPA

(5) Set UE Target Power

(6) Power Ctrl Mode= Alternating bits

(7) Set and observe the E-TFCI

(8) Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI

· The transmitted maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	βc	βd	βd (SF)	βc/βd	βHS (Note 1)	βec	βed (Note 4) (Note 5)	βed (SF)	βed (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2) (Note 6)	AG Index (Note 5)	E-TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	βed1: 47/15 βed2: 47/15	4 4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	0	-	-	5/15	5/15	47/15	4	1	1.0	0.0	12	67

Note 1: For sub-test 1 to 4, ΔACK, ΔNACK and ΔCQI = 30/15 with β_{hs} = 30/15 * β_c . For sub-test 5, ΔACK, ΔNACK and ΔCQI = 5/15 with β_{hs} = 5/15 * β_c .

Note 2: CM = 1 for βc/βd =12/15, hs/ c=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.

Note 3: For subtest 1 the c/ d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to c = 10/15 and d = 15/15.

Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 5: βed cannot be set directly; it is set by Absolute Grant Value.

Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

UMTS BAND II

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 1900 RMC	1852.4	23.20
	1880	23.25
	1907.6	**23.43**
HSDPA Subtest 1	1852.4	21.83
	1880	22.06
	1907.6	22.18
HSDPA Subtest 2	1852.4	21.45
	1880	21.49
	1907.6	21.63
HSDPA Subtest 3	1852.4	21.52
	1880	21.55
	1907.6	21.67
HSDPA Subtest 4	1852.4	21.36
	1880	21.59
	1907.6	21.60
HSUPA Subtest 1	1852.4	21.97
	1880	22.04
	1907.6	22.17
HSUPA Subtest 2	1852.4	20.01
	1880	20.12
	1907.6	20.24
HSUPA Subtest 3	1852.4	21.18
	1880	21.17
	1907.6	21.24
HSUPA Subtest 4	1852.4	20.07
	1880	20.19
	1907.6	20.31
HSUPA Subtest 5	1852.4	21.96
	1880	22.14
	1907.6	22.17

UMTS BAND V

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 850 RMC	826.4	23.52
	836.4	**23.71**
	846.6	23.40
HSDPA Subtest 1	826.4	22.32
	836.4	22.49
	846.6	22.32
HSDPA Subtest 2	826.4	21.96
	836.4	22.01
	846.6	21.89
HSDPA Subtest 3	826.4	22.03
	836.4	22.06
	846.6	21.90
HSDPA Subtest 4	826.4	21.98
	836.4	22.12
	846.6	21.82
HSUPA Subtest 1	826.4	22.38
	836.4	22.60
	846.6	22.49
HSUPA Subtest 2	826.4	20.38
	836.4	20.54
	846.6	20.22
HSUPA Subtest 3	826.4	21.53
	836.4	21.49
	846.6	21.58
HSUPA Subtest 4	826.4	20.52
	836.4	20.60
	846.6	20.34
HSUPA Subtest 5	826.4	22.47
	836.4	22.53
	846.6	22.37

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

Table 6.1aA: 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 β_c/β_d=12/15, β_{hs}/β_c=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.

LTE Band

LTE (TDD) Considerations

For Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.

LTE TDD Band 38, 40, 41 supports 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS)

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Table 4.2-2: Uplink-downlink configurations

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Calculated Duty Cycle

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-point Periodicity	Subframe Number										Calculated Duty Cycle(%)
		0	1	2	3	4	5	6	7	8	9	
0	5ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5ms	D	S	U	U	U	D	S	U	U	D	53.33

Note： Calculated Duty Cycle = Extended cyclic prefix in uplink x (Ts) x # of S + # of U
Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:
Calculated Duty Cycle = 5120 x [1/(15000 x 2048)] x 2 + 6 ms = 63.33%
where
Ts = 1/(15000 x 2048) seconds

LTE Band

Conducted Power of LTE Band 2(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					18607	**18900**	**19193**
1.4MHz	QPSK	1	0	0	21.88	21.71	22.15
			3	0	21.95	21.65	22.29
			5	0	22.23	21.67	21.99
		3	0	0	22.08	21.66	22.26
			2	0	22.21	21.64	22.26
			3	0	22.19	21.64	22.25
		6	0	1	21.03	20.60	21.20
	16QAM	1	0	1	20.99	20.39	21.76
			3	1	21.29	20.63	21.81
			5	1	20.89	20.35	21.54
		3	0	1	20.59	20.62	20.97
			2	1	20.65	20.69	20.76
			3	1	20.66	20.55	21.06
		6	0	2	19.93	19.47	20.04
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					18615	**18900**	**19185**
3MHz	QPSK	1	0	0	22.07	21.72	22.32
			7	0	21.93	21.68	22.19
			14	0	21.90	21.78	22.22
		8	0	1	21.03	20.63	21.17
			4	1	21.04	20.65	21.10
			7	1	21.02	20.60	21.23
		15	0	1	21.02	20.59	21.06
	16QAM	1	0	1	21.09	20.90	21.38
			7	1	21.07	20.46	21.21
			14	1	20.89	20.47	21.34
		8	0	2	20.19	19.55	19.94
			4	2	20.18	19.55	19.95
			7	2	20.17	19.52	19.92
		15	0	2	19.89	19.53	19.96

Conducted Power of LTE Band 2(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18625	18900	19175
5MHz	QPSK	1	0	0	21.97	21.90	22.06
			13	0	22.08	21.85	22.08
			24	0	21.85	21.76	21.77
		12	0	1	21.00	20.52	21.07
			6	1	21.00	20.53	21.08
			13	1	20.77	20.63	21.09
		25	0	1	20.91	20.54	21.02
	16QAM	1	0	1	21.01	20.18	21.07
			13	1	21.22	20.44	20.92
			24	1	20.88	20.84	21.00
		12	0	2	20.04	19.69	19.95
			6	2	20.00	19.69	20.04
			13	2	19.75	19.57	20.07
		25	0	2	20.14	19.61	20.27
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18650	18900	19150
10MHz	QPSK	1	0	0	21.99	21.82	22.12
			25	0	22.03	21.95	22.30
			49	0	21.70	22.05	22.26
		25	0	1	21.01	20.69	21.10
			13	1	20.90	20.68	21.11
			25	1	20.85	20.79	21.13
		50	0	1	20.81	20.67	21.05
	16QAM	1	0	1	21.03	20.55	21.51
			25	1	21.07	21.16	21.65
			49	1	20.99	20.72	21.60
		25	0	2	20.08	19.83	20.33
			13	2	20.08	19.67	20.34
			25	2	19.74	19.83	20.21
		50	0	2	19.81	19.54	20.09

Conducted Power of LTE Band 2(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 18675	Channel 18900	Channel 19125
15MHz	QPSK	1	0	0	22.11	21.68	22.15
			38	0	21.74	21.54	22.14
			74	0	21.79	21.77	22.08
		36	0	1	20.77	20.84	21.14
			18	1	20.76	20.84	21.14
			39	1	20.80	20.84	21.13
		75	0	1	20.84	20.84	21.14
	16QAM	1	0	1	21.05	20.61	21.61
			38	1	20.69	20.16	21.82
			74	1	20.92	21.03	21.52
		36	0	2	20.77	20.84	21.14
			18	2	20.75	20.84	21.14
			39	2	20.79	20.84	21.13
		75	0	2	19.94	19.78	20.18
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 18700	Channel 18900	Channel 19100
20MHz	QPSK	1	0	0	21.95	21.69	21.77
			50	0	22.31	21.99	**22.38**
			99	0	21.48	22.00	22.24
		50	0	1	20.78	20.69	21.05
			25	1	20.82	20.71	20.97
			50	1	20.72	20.72	21.23
		100	0	1	20.79	20.82	21.01
	16QAM	1	0	1	21.02	21.25	20.76
			50	1	21.32	21.64	20.82
			99	1	20.44	21.59	21.03
		50	0	2	20.03	19.66	20.06
			25	2	19.92	19.67	20.14
			50	2	19.87	19.77	20.22
		100	0	2	19.86	19.74	20.06

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19957	20175	20393
1.4MHz	QPSK	1	0	0	22.10	22.18	21.87
			3	0	22.38	22.08	22.32
			5	0	22.14	22.01	22.16
		3	0	0	22.20	22.11	22.07
			2	0	22.18	22.21	22.07
			3	0	22.13	22.13	22.04
		6	0	1	21.07	21.14	21.09
	16QAM	1	0	1	21.18	21.56	21.00
			3	1	21.40	21.73	21.20
			5	1	21.15	21.54	21.01
		3	0	1	21.03	20.89	20.98
			2	1	21.01	20.88	20.98
			3	1	21.06	20.87	20.80
		6	0	2	19.90	19.92	20.20
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19965	20175	20385
3MHz	QPSK	1	0	0	22.21	22.14	22.11
			7	0	22.25	22.13	21.84
			14	0	22.33	22.14	22.10
		8	0	1	21.12	21.18	20.96
			4	1	21.18	21.18	20.97
			7	1	21.17	21.12	21.13
		15	0	1	21.15	21.18	21.11
	16QAM	1	0	1	21.46	21.12	20.82
			7	1	21.35	21.15	20.90
			14	1	21.23	21.04	21.19
		8	0	2	19.98	20.50	19.87
			4	2	20.27	20.30	20.17
			7	2	20.04	20.43	20.04
		15	0	2	19.86	20.10	20.02

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19975	20175	20375
5MHz	QPSK	1	0	0	22.23	22.10	22.13
			13	0	22.44	21.99	22.19
			24	0	22.32	22.11	22.36
		12	0	1	21.14	21.15	21.04
			6	1	21.13	21.07	21.05
			13	1	21.16	21.15	21.28
		25	0	1	21.09	21.16	21.13
	16QAM	1	0	1	21.25	21.02	20.92
			13	1	21.19	21.12	20.97
			24	1	21.18	21.14	21.35
		12	0	2	20.05	20.14	20.00
			6	2	20.04	20.14	20.00
			13	2	20.20	20.12	20.33
		25	0	2	20.20	20.16	19.95
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20000	20175	20350
10MHz	QPSK	1	0	0	22.07	22.00	21.96
			25	0	22.37	22.08	22.01
			49	0	**22.44**	21.96	22.27
		25	0	1	21.26	21.12	21.04
			13	1	21.17	21.13	21.05
			25	1	21.22	21.11	21.12
		50	0	1	21.19	21.11	21.01
	16QAM	1	0	1	21.22	21.08	20.85
			25	1	21.63	21.37	21.54
			49	1	21.16	21.08	21.11
		25	0	2	20.30	20.20	19.85
			13	2	20.31	20.20	19.96
			25	2	20.34	19.87	20.20
		50	0	2	20.19	20.25	20.04

Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20025	Channel 20175	Channel 20325
15MHz	QPSK	1	0	0	21.98	22.20	22.01
			38	0	22.06	22.03	21.79
			74	0	21.98	22.05	22.16
		36	0	1	21.18	21.15	21.08
			18	1	21.17	21.14	21.08
			39	1	21.16	21.14	21.08
		75	0	1	21.15	21.13	21.08
	16QAM	1	0	1	20.88	21.07	21.15
			38	1	21.23	20.91	20.96
			74	1	21.28	21.00	21.37
		36	0	2	21.17	21.15	21.08
			18	2	21.16	21.14	21.08
			39	2	21.15	21.13	21.08
		75	0	2	20.16	20.11	20.11
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20050	Channel 20175	Channel 20300
20MHz	QPSK	1	0	0	21.80	22.09	22.18
			50	0	22.42	22.13	22.02
			99	0	22.29	22.13	22.30
		50	0	1	21.19	21.23	21.24
			25	1	21.23	21.23	21.24
			50	1	21.30	21.26	21.04
		100	0	1	21.18	21.17	21.05
	16QAM	1	0	1	20.67	21.10	21.96
			50	1	21.34	21.79	21.95
			99	1	20.88	21.00	21.86
		50	0	2	20.40	20.23	20.17
			25	2	20.27	20.23	20.20
			50	2	20.32	20.47	19.97
		100	0	2	20.19	20.17	20.05

Conducted Power of LTE Band 5(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20407	Channel 20525	Channel 20643
1.4MHz	QPSK	1	0	0	22.66	**22.96**	22.60
			3	0	22.69	22.79	22.64
			5	0	22.44	22.72	22.43
		3	0	0	22.73	22.68	22.77
			2	0	22.70	22.66	22.67
			3	0	22.55	22.83	22.51
		6	0	1	21.77	21.75	21.64
	16QAM	1	0	1	21.39	21.69	21.52
			3	1	21.86	21.78	21.70
			5	1	21.31	21.50	21.64
		3	0	1	21.16	21.66	21.26
			2	1	21.54	21.65	21.33
			3	1	21.32	21.71	21.34
		6	0	2	20.61	20.54	20.74
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20415	Channel 20525	Channel 20635
3MHz	QPSK	1	0	0	22.64	22.50	22.56
			7	0	22.53	22.59	22.59
			14	0	22.56	22.68	22.44
		8	0	1	21.59	21.78	21.68
			4	1	21.73	21.79	21.70
			7	1	21.56	21.69	21.57
		15	0	1	21.66	21.69	21.69
	16QAM	1	0	1	21.67	21.45	21.63
			7	1	21.49	21.38	21.67
			14	1	21.61	21.30	21.89
		8	0	2	20.89	20.80	20.79
			4	2	20.89	20.81	20.78
			7	2	20.94	20.83	20.65
		15	0	2	20.64	20.64	20.70

Conducted Power of LTE Band 5(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20425	Channel 20525	Channel 20625
5MHz	QPSK	1	0	0	22.82	22.76	22.36
			13	0	22.61	22.85	22.55
			24	0	22.64	22.63	22.48
		12	0	1	21.65	21.77	21.77
			6	1	21.65	21.77	21.65
			13	1	21.75	21.81	21.65
		25	0	1	21.72	21.71	21.64
	16QAM	1	0	1	21.67	21.73	21.47
			13	1	22.19	21.66	21.64
			24	1	21.81	21.63	21.66
		12	0	2	20.47	20.94	20.57
			6	2	20.69	20.94	20.74
			13	2	20.78	20.90	20.50
		25	0	2	20.77	20.71	20.72
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 20450	Channel 20525	Channel 20600
10MHz	QPSK	1	0	0	22.42	22.60	22.50
			25	0	22.73	22.87	22.63
			49	0	22.71	22.60	22.60
		25	0	1	21.80	21.81	21.74
			13	1	21.78	21.87	21.76
			25	1	21.78	21.71	21.72
		50	0	1	21.74	21.78	21.71
	16QAM	1	0	1	21.64	21.57	21.57
			25	1	21.94	22.03	21.78
			49	1	21.69	21.60	21.78
		25	0	2	20.81	20.83	20.76
			13	2	20.80	20.81	20.77
			25	2	20.71	20.96	20.66
		50	0	2	20.67	20.75	20.62

Conducted Power of LTE Band 7 (dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20775	**21100**	**21425**
5MHz	QPSK	1	0	0	22.26	22.04	21.87
			12	0	22.00	22.05	21.73
			24	0	22.03	22.06	21.77
		12	0	1	21.20	20.86	20.80
			6	1	21.18	20.94	20.93
			13	1	21.10	20.95	20.79
		25	0	1	21.14	20.89	20.91
	16QAM	1	0	1	21.07	21.06	20.76
			12	1	21.53	20.94	21.14
			24	1	21.20	20.96	20.69
		12	0	2	20.09	20.04	19.75
			6	2	20.19	20.13	19.76
			13	2	20.22	19.94	19.85
		25	0	2	20.26	20.02	19.98
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20800	**21100**	**21400**
10MHz	QPSK	1	0	0	21.87	22.06	21.96
			24	0	22.09	21.92	**22.32**
			49	0	21.93	22.07	21.91
		25	0	1	21.22	20.89	20.96
			12	1	21.21	20.90	20.91
			25	1	21.21	20.91	20.92
		50	0	1	21.18	20.88	20.94
	16QAM	1	0	1	21.05	20.97	21.18
			24	1	21.42	21.45	21.45
			49	1	21.03	21.06	21.51
		25	0	2	20.12	20.01	20.16
			12	2	20.21	20.02	19.98
			25	2	20.14	19.96	20.08
		50	0	2	20.11	19.93	19.92

Conducted Power of LTE Band 7 (dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20825	**21100**	**21375**
15MHz	QPSK	1	0	0	22.05	21.76	21.82
			37	0	22.06	21.78	21.92
			74	0	22.04	21.80	22.18
		37	0	1	21.13	20.91	20.96
			16	1	21.13	20.91	20.98
			35	1	21.12	20.91	20.99
		75	0	1	21.12	20.90	20.99
	16QAM	1	0	1	21.06	21.04	21.18
			37	1	21.62	20.96	21.64
			74	1	21.07	21.09	21.31
		37	0	2	21.13	20.91	20.98
			16	2	21.13	20.91	20.99
			35	2	21.12	20.90	20.99
		75	0	2	20.05	19.83	19.79
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					20850	**21100**	**21350**
20MHz	QPSK	1	0	0	21.91	21.59	21.03
			49	0	22.30	22.18	22.13
			99	0	21.82	22.06	22.01
		50	0	1	21.14	20.99	20.83
			25	1	21.20	21.00	20.81
			49	1	21.00	20.99	20.97
		100	0	1	21.08	20.91	20.83
	16QAM	1	0	1	20.95	21.93	20.70
			49	1	21.54	21.91	20.57
			99	1	20.69	21.61	20.83
		50	0	2	20.07	20.06	19.87
			25	2	20.07	20.06	19.89
			49	2	20.07	19.95	20.06
		100	0	2	20.02	19.85	19.83

Conducted Power of LTE Band 12(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					23017	**23095**	**23173**
1.4MHz	QPSK	1	0	0	22.54	**23.09**	22.58
			3	0	22.53	22.67	22.51
			5	0	22.55	22.77	22.49
		3	0	0	22.70	22.56	22.80
			2	0	22.70	22.91	22.76
			3	0	22.72	22.75	22.68
		6	0	1	21.63	21.94	21.52
	16QAM	1	0	1	21.54	21.25	21.81
			3	1	21.81	21.59	21.64
			5	1	21.66	21.33	21.75
		3	0	1	21.33	21.40	21.80
			2	1	21.39	21.51	21.10
			3	1	21.38	21.51	21.10
		6	0	2	20.56	20.68	20.51
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					23025	**23095**	**23165**
3MHz	QPSK	1	0	0	22.60	22.68	22.37
			7	0	22.69	22.79	22.38
			14	0	22.42	22.73	22.35
		8	0	1	21.74	21.64	21.50
			4	1	21.76	21.83	21.53
			7	1	21.82	21.74	21.48
		15	0	1	21.79	21.81	21.58
	16QAM	1	0	1	21.50	22.01	22.02
			7	1	21.53	21.43	21.98
			14	1	21.54	21.28	21.94
		8	0	2	21.01	20.60	20.41
			4	2	21.02	20.72	20.47
			7	2	21.06	20.70	20.41
		15	0	2	20.64	20.79	20.45

Conducted Power of LTE Band 12(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 23035	Channel 23095	Channel 23155
5MHz	QPSK	1	0	0	22.58	22.72	22.18
			13	0	22.71	22.77	22.37
			24	0	22.87	22.89	22.41
		12	0	1	21.69	21.76	21.33
			6	1	21.72	21.77	21.51
			13	1	21.68	21.81	21.54
		25	0	1	21.76	21.76	21.51
	16QAM	1	0	1	21.61	20.95	21.08
			13	1	21.83	21.68	21.40
			24	1	21.81	21.61	21.51
		12	0	2	20.73	21.07	20.34
			6	2	20.69	20.78	20.36
			13	2	20.71	20.85	20.50
		25	0	2	20.76	20.86	20.67
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 23060	Channel 23095	Channel 23130
10MHz	QPSK	1	0	0	22.76	22.81	22.77
			25	0	22.63	22.65	22.42
			49	0	22.74	22.14	22.28
		25	0	1	21.61	21.76	21.72
			13	1	21.68	21.76	21.68
			25	1	21.76	21.57	21.53
		50	0	1	21.70	21.66	21.70
	16QAM	1	0	1	21.57	21.71	22.35
			25	1	21.59	21.56	21.93
			49	1	21.86	20.93	21.95
		25	0	2	20.74	20.99	20.80
			13	2	20.49	20.83	20.81
			25	2	20.70	20.74	20.76
		50	0	2	20.74	20.63	20.76

Conducted Power of LTE Band 13(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23205	23230	23255
5MHz	QPSK	1	0	0	22.33	22.31	22.53
			13	0	22.50	22.45	**22.66**
			24	0	22.36	22.34	22.37
		12	0	1	21.41	21.40	21.36
			6	1	21.41	21.40	21.36
			13	1	21.41	21.39	21.36
		25	0	1	21.47	21.36	21.41
	16QAM	1	0	1	21.48	21.51	20.96
			13	1	21.10	21.37	21.31
			24	1	21.55	21.36	21.32
		12	0	2	20.29	20.54	20.28
			6	2	20.38	20.54	20.36
			13	2	20.48	20.44	20.69
		25	0	2	20.56	20.44	20.40
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel		
					23230		
10MHz	QPSK	1	0	0	22.25		
			25	0	22.13		
			49	0	22.15		
		25	0	1	21.36		
			13	1	21.32		
			25	1	21.34		
		50	0	1	21.34		
	16QAM	1	0	1	21.44		
			25	1	21.34		
			49	1	21.33		
		25	0	2	20.31		
			13	2	20.42		
			25	2	20.38		
		50	0	2	20.22		

Conducted Power of LTE Band 17(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23755	23790	23825
5MHz	QPSK	1	0	0	22.60	22.94	22.32
			13	0	22.78	22.85	22.40
			24	0	22.68	22.69	22.23
		12	0	1	21.77	21.75	21.30
			6	1	21.75	21.66	21.33
			13	1	21.70	21.39	21.50
		25	0	1	21.76	21.53	21.40
	16QAM	1	0	1	20.68	21.97	20.69
			13	1	21.33	21.88	21.06
			24	1	21.82	21.69	21.60
		12	0	2	20.68	20.62	20.43
			6	2	20.66	20.61	20.44
			13	2	20.61	20.35	20.51
		25	0	2	20.59	20.67	20.61
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23780	23790	23800
10MHz	QPSK	1	0	0	**22.96**	22.63	22.68
			25	0	22.44	22.87	22.51
			49	0	22.67	22.57	22.31
		25	0	1	21.81	21.82	21.55
			13	1	22.47	21.59	21.57
			25	1	21.56	21.52	21.47
		50	0	1	21.73	21.60	21.53
	16QAM	1	0	1	21.87	21.88	22.11
			25	1	21.51	21.66	21.50
			49	1	21.66	21.55	21.83
		25	0	2	20.80	20.53	20.62
			13	2	20.59	20.56	20.63
			25	2	20.47	20.58	20.62
		50	0	2	20.65	20.66	20.78

Conducted Power of LTE Band 25(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					26047	**26365**	**26683**
1.4MHz	QPSK	1	0	0	22.08	22.03	**22.46**
			2	0	22.14	22.17	22.34
			5	0	22.11	22.16	22.07
		3	0	0	22.13	22.14	22.21
			1	0	22.11	22.09	22.29
			3	0	22.10	22.00	22.21
		6	0	1	21.24	21.09	21.40
	16QAM	1	0	1	20.80	21.64	21.36
			2	1	21.12	21.61	21.44
			5	1	20.97	21.30	21.31
		3	0	1	21.03	21.05	21.06
			1	1	21.12	20.59	21.06
			3	1	20.99	20.76	21.05
		6	0	2	20.23	20.21	20.25
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					26055	**26365**	**26675**
3MHz	QPSK	1	0	0	22.19	21.85	22.15
			8	0	21.82	21.80	22.18
			14	0	21.87	22.35	22.07
		8	0	1	21.07	20.90	21.38
			4	1	21.08	21.02	21.39
			7	1	20.96	20.90	21.39
		15	0	1	21.08	20.89	21.43
	16QAM	1	0	1	20.95	20.59	21.54
			8	1	20.89	20.73	21.54
			14	1	20.91	21.00	21.98
		8	0	2	20.21	19.83	20.26
			4	2	20.22	20.23	20.27
			7	2	20.11	19.75	20.25
		15	0	2	20.12	19.82	20.23

Conducted Power of LTE Band 25(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26065	Channel 26365	Channel 26665
5MHz	QPSK	1	0	0	22.18	21.87	22.14
			12	0	21.89	22.13	22.12
			24	0	21.95	22.17	22.36
		12	0	1	21.09	20.84	21.43
			6	1	20.99	20.85	21.27
			13	1	21.09	20.90	21.27
		25	0	1	21.07	20.90	21.24
	16QAM	1	0	1	21.05	20.87	21.13
			12	1	20.85	20.85	21.16
			24	1	20.97	20.97	21.31
		12	0	2	19.99	20.12	20.40
			6	2	20.05	20.13	20.29
			13	2	20.03	19.92	20.33
		25	0	2	20.26	19.90	20.60
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26090	Channel 26365	Channel 26640
10MHz	QPSK	1	0	0	22.13	22.00	22.09
			24	0	21.93	22.00	22.20
			49	0	21.82	22.02	22.39
		25	0	1	21.11	20.93	21.22
			12	1	21.13	20.94	21.26
			25	1	20.90	21.06	21.34
		50	0	1	21.06	20.90	21.34
	16QAM	1	0	1	21.05	20.98	21.06
			24	1	21.09	20.87	21.88
			49	1	20.92	20.97	21.96
		25	0	2	20.10	20.15	20.38
			12	2	19.89	19.99	20.05
			25	2	20.01	20.11	20.40
		50	0	2	20.17	19.95	20.32

Conducted Power of LTE Band 25(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26115	26365	26615
15MHz	QPSK	1	0	0	22.04	21.71	22.05
			38	0	21.92	21.85	22.14
			74	0	21.77	21.86	22.18
		38	0	1	20.98	20.97	21.24
			18	1	20.98	20.97	21.25
			37	1	21.08	20.97	21.25
		75	0	1	20.97	20.97	21.26
	16QAM	1	0	1	21.05	20.96	21.56
			38	1	20.99	21.04	21.70
			74	1	20.83	20.77	21.76
		38	0	2	20.92	20.97	21.25
			18	2	21.03	20.97	21.25
			37	2	20.97	20.97	21.26
		75	0	2	20.17	20.07	20.34
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26140	26365	26590
20MHz	QPSK	1	0	0	22.00	21.70	21.89
			49	0	21.99	21.86	22.39
			99	0	21.90	22.03	22.27
		50	0	1	20.97	20.89	21.16
			25	1	20.98	20.83	21.17
			49	1	20.96	21.26	21.28
		100	0	1	20.88	21.00	21.25
	16QAM	1	0	1	21.07	21.48	20.78
			49	1	20.80	21.88	21.33
			99	1	20.72	21.85	21.11
		50	0	2	20.11	20.07	20.21
			25	2	20.10	19.78	20.26
			49	2	19.99	20.11	20.39
		100	0	2	20.01	20.03	20.23

Conducted Power of LTE Band 26A(dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					26797	**26915**	**27033**
1.4MHz	QPSK	1	0	0	22.41	22.34	22.44
			2	0	**22.73**	22.08	22.19
			5	0	22.44	22.28	22.18
		3	0	0	22.47	22.13	22.25
			1	0	22.45	22.29	22.24
			3	0	22.63	22.33	22.10
		6	0	1	21.58	21.11	21.10
	16QAM	1	0	1	21.78	21.43	21.74
			2	1	21.53	21.47	21.28
			5	1	21.86	21.26	21.05
		3	0	1	21.34	20.91	20.88
			1	1	21.61	20.81	20.86
			3	1	21.43	20.87	20.82
		6	0	2	20.64	20.06	20.28
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					26805	**26915**	**27025**
3MHz	QPSK	1	0	0	22.58	22.34	22.05
			8	0	22.18	22.11	22.04
			14	0	22.17	22.22	21.96
		8	0	1	21.41	21.23	21.34
			4	1	21.43	21.24	21.27
			7	1	21.31	21.16	21.25
		15	0	1	21.42	21.28	21.11
	16QAM	1	0	1	21.49	20.49	21.35
			8	1	20.91	20.60	21.09
			14	1	21.27	20.68	21.00
		8	0	2	20.51	20.03	20.36
			4	2	20.22	20.04	20.55
			7	2	20.38	19.98	20.34
		15	0	2	20.41	20.12	20.12

Conducted Power of LTE Band 26A(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26815	26915	27015
5MHz	QPSK	1	0	0	22.40	22.32	22.36
			12	0	22.32	22.26	22.22
			24	0	22.36	22.56	22.40
		12	0	1	21.66	21.21	21.19
			6	1	21.66	21.28	21.32
			13	1	21.27	21.13	21.24
		25	0	1	21.40	21.14	21.37
	16QAM	1	0	1	21.53	21.15	21.21
			12	1	21.45	21.08	20.87
			24	1	21.30	21.30	21.19
		12	0	2	20.57	20.16	20.17
			6	2	20.36	20.17	20.27
			13	2	20.21	20.13	20.38
		25	0	2	20.60	20.05	20.32
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26840	26915	26990
10MHz	QPSK	1	0	0	22.48	22.26	22.58
			24	0	22.27	22.34	22.23
			49	0	22.16	22.43	22.33
		25	0	1	21.52	21.31	21.30
			12	1	21.42	21.37	21.33
			25	1	21.36	21.27	21.30
		50	0	1	21.32	21.29	21.30
	16QAM	1	0	1	21.48	21.24	20.99
			24	1	21.29	21.04	21.03
			49	1	21.26	21.39	21.17
		25	0	2	20.44	20.41	20.25
			12	2	20.33	20.22	20.26
			25	2	20.19	20.14	20.13
		50	0	2	20.45	20.20	20.42

Conducted Power of LTE Band 26A(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26865	Channel 26915	Channel 26965
15MHz	QPSK	1	0	0	22.31	22.21	22.32
			38	0	22.08	21.89	22.36
			74	0	22.19	21.98	22.00
		38	0	1	21.17	21.22	21.16
			18	1	21.12	20.86	21.16
			37	1	21.18	21.26	21.30
		75	0	1	21.15	21.24	21.23
	16QAM	1	0	1	21.49	21.12	21.12
			38	1	21.08	21.27	21.45
			74	1	21.19	21.37	21.03
		38	0	2	21.14	20.87	21.16
			18	2	21.20	21.27	21.20
			37	2	21.16	21.25	21.24
		75	0	2	20.27	20.17	20.16

Conducted Power of LTE Band 26B(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26697	26740	26783
1.4MHz	QPSK	1	0	0	22.50	22.64	22.32
			2	0	22.70	**22.74**	22.62
			5	0	22.47	22.54	22.60
		3	0	0	22.67	22.57	22.53
			1	0	22.55	22.56	22.44
			3	0	22.60	22.63	22.46
		6	0	1	21.48	21.63	21.38
	16QAM	1	0	1	20.85	21.35	21.41
			2	1	21.46	22.06	21.66
			5	1	21.24	21.99	21.50
		3	0	1	21.59	21.42	21.35
			1	1	21.54	21.51	20.97
			3	1	21.54	21.45	21.10
		6	0	2	20.26	20.48	20.24
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					26705	26740	26775
3MHz	QPSK	1	0	0	22.33	22.40	22.58
			8	0	22.36	22.38	22.43
			14	0	22.44	22.59	22.52
		8	0	1	21.42	21.51	21.47
			4	1	21.53	21.63	21.49
			7	1	21.61	21.49	21.33
		15	0	1	21.71	21.63	21.44
	16QAM	1	0	1	21.41	21.57	21.35
			8	1	21.47	21.25	21.54
			14	1	21.42	21.53	21.37
		8	0	2	20.59	20.66	20.44
			4	2	20.68	20.37	20.45
			7	2	20.67	20.43	20.72
		15	0	2	20.78	20.48	20.67

Conducted Power of LTE Band 26B(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26715	Channel 26740	Channel 26765
5MHz	QPSK	1	0	0	22.63	22.59	22.50
			12	0	22.74	22.48	22.66
			24	0	22.29	22.53	22.40
		12	0	1	21.64	21.49	21.59
			6	1	21.73	21.48	21.60
			13	1	21.62	21.52	21.40
		25	0	1	21.61	21.49	21.46
	16QAM	1	0	1	21.87	21.31	21.39
			12	1	21.55	21.14	21.22
			24	1	21.46	21.44	21.38
		12	0	2	20.57	20.77	20.54
			6	2	20.63	20.76	20.54
			13	2	20.62	20.81	20.38
		25	0	2	20.72	20.46	20.72
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 26740		
10MHz	QPSK	1	0	0	22.42		
			24	0	22.40		
			49	0	22.39		
		25	0	1	21.63		
			12	1	21.64		
			25	1	21.62		
		50	0	1	21.63		
	16QAM	1	0	1	21.52		
			24	1	21.40		
			49	1	21.18		
		25	0	2	20.54		
			12	2	20.54		
			25	2	20.64		
		50	0	2	20.47		

Conducted Power of LTE Band 38 (dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					37775	38000	38225
5MHz	QPSK	1	0	0	21.86	21.64	22.05
			12	0	21.75	21.64	22.01
			24	0	21.82	21.60	21.84
		12	0	1	20.86	20.71	20.90
			6	1	20.88	20.73	20.92
			13	1	20.81	20.69	20.77
		25	0	1	20.74	20.75	20.99
	16QAM	1	0	1	21.47	20.99	20.98
			12	1	21.23	20.92	21.06
			24	1	21.17	21.14	21.33
		12	0	2	19.79	19.76	19.88
			6	2	19.81	19.77	19.90
			13	2	19.73	19.72	19.72
		25	0	2	19.86	19.81	20.02
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					37800	38000	38200
10MHz	QPSK	1	0	0	21.70	21.90	22.03
			24	0	21.78	21.75	21.82
			49	0	21.75	21.88	21.72
		25	0	1	20.72	20.81	20.94
			12	1	20.71	20.73	20.95
			25	1	20.77	20.85	20.92
		50	0	1	20.76	20.77	20.85
	16QAM	1	0	1	20.47	21.01	21.11
			24	1	21.27	21.42	21.05
			49	1	21.14	20.91	20.97
		25	0	2	19.85	19.97	19.88
			12	2	19.84	19.98	19.85
			25	2	19.82	19.91	19.84
		50	0	2	19.81	19.90	20.08

Conducted Power of LTE Band 38 (dBm)							
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					37825	**38000**	**38175**
15MHz	QPSK	1	0	0	21.77	21.78	21.97
			38	0	21.70	21.71	21.90
			74	0	21.78	21.96	21.81
		37	0	1	20.75	20.80	20.85
			18	1	20.74	20.80	20.85
			37	1	20.82	20.80	20.85
		75	0	1	20.81	20.80	20.85
	16QAM	1	0	1	20.76	20.89	20.83
			38	1	20.65	20.69	20.73
			74	1	20.61	21.21	20.72
		37	0	2	20.74	20.80	20.89
			18	2	20.83	20.80	20.85
			37	2	20.82	20.80	20.89
		75	0	2	19.87	19.88	19.96
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Target MPR**	**Channel**	**Channel**	**Channel**
					37850	**38000**	**38150**
20MHz	QPSK	1	0	0	21.78	22.36	21.96
			49	0	21.97	21.78	**22.50**
			99	0	21.97	21.96	21.92
		50	0	1	20.79	20.81	21.09
			25	1	20.79	20.82	21.10
			49	1	20.76	20.92	21.00
		100	0	1	20.77	20.82	21.07
	16QAM	1	0	1	21.18	20.56	21.50
			49	1	21.11	20.87	22.10
			99	1	20.96	20.93	21.44
		50	0	2	19.78	19.85	20.25
			25	2	19.78	19.86	20.26
			49	2	19.77	19.96	20.07
		100	0	2	19.73	19.84	20.13

Avg. Output Power of LTE Band 40(dBm) -Lower Side						
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Channel**	**Channel**	**Channel**
				38725	**38750**	**38775**
5MHz	QPSK	1	0	20.48	21.85	21.40
			12	21.99	21.63	21.39
			24	21.63	21.68	21.94
		12	0	19.48	19.70	19.35
			6	19.01	20.25	19.86
			13	19.32	19.76	20.02
		25	0	19.75	19.71	19.78
	16QAM	1	0	21.28	21.28	20.56
			12	21.15	21.18	20.69
			24	21.70	21.40	20.22
		12	0	18.48	18.90	18.55
			6	18.65	18.40	18.47
			13	19.37	18.47	18.36
		25	0	19.49	19.47	19.93
Bandwidth	**Modulation**	**RB size**	**RB offset**	**Channel**		
				38750		
10MHz	QPSK	1	0	22.03		
			24	21.51		
			49	22.42		
		25	0	19.69		
			12	19.85		
			25	19.62		
		50	0	18.00		
	16QAM	1	0	**22.45**		
			24	21.85		
			49	21.89		
		25	0	17.57		
			12	18.53		
			25	18.29		
		50	0	16.93		

Avg. Output Power of LTE Band 40(dBm) -Upper Side						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				39175	39200	39225
5MHz	QPSK	1	0	22.28	22.15	22.17
			12	21.41	21.56	21.83
			24	**22.42**	21.56	21.32
		12	0	19.64	19.25	18.56
			6	19.28	19.18	18.95
			13	19.24	19.17	19.33
		25	0	19.90	19.29	18.91
	16QAM	1	0	21.01	20.61	21.93
			12	21.50	20.41	21.05
			24	20.96	21.15	21.16
		12	0	18.64	18.66	18.78
			6	18.45	18.50	18.30
			13	18.88	18.53	18.89
		25	0	19.09	18.96	19.97

Bandwidth	Modulation	RB size	RB offset	Channel
				39200
10MHz	QPSK	1	0	21.92
			24	21.40
			49	21.83
		25	0	19.95
			12	19.22
			25	19.04
		50	0	17.49
	16QAM	1	0	20.47
			24	20.23
			49	20.16
		25	0	18.94
			12	17.88
			25	18.38
		50	0	16.71

Conducted Power of LTE Band 41(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 39675	Channel 40620	Channel 41565
5MHz	QPSK	1	0	0	21.89	22.03	21.82
			12	0	21.99	21.94	21.87
			24	0	21.99	21.93	21.87
		12	0	1	20.98	20.96	20.98
			6	1	20.98	20.97	21.07
			13	1	21.18	20.98	21.02
		25	0	1	21.02	20.94	20.98
	16QAM	1	0	1	21.03	21.63	21.14
			12	1	21.37	21.62	21.53
			24	1	21.10	21.50	21.22
		12	0	2	19.89	19.98	20.02
			6	2	20.08	19.99	19.92
			13	2	19.91	19.99	19.85
		25	0	2	20.15	20.04	19.94
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 39700	Channel 40620	Channel 41540
10MHz	QPSK	1	0	0	22.05	22.11	22.14
			24	0	22.20	22.11	22.01
			49	0	22.28	22.14	22.24
		25	0	1	21.29	21.12	20.99
			12	1	21.21	21.13	20.99
			25	1	21.58	20.99	21.00
		50	0	1	21.26	21.00	21.00
	16QAM	1	0	1	21.37	20.74	21.61
			24	1	21.46	20.93	21.61
			49	1	21.54	20.67	21.59
		25	0	2	20.23	20.17	20.13
			12	2	20.23	20.18	20.13
			25	2	20.41	20.22	20.05
		50	0	2	20.22	20.15	20.03

Conducted Power of LTE Band 41(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					39725	40620	41515
15MHz	QPSK	1	0	0	21.91	22.10	22.04
			37	0	22.17	21.99	22.05
			74	0	22.19	22.20	21.90
		37	0	1	21.19	20.96	20.96
			19	1	21.19	20.97	20.96
			38	1	21.19	20.98	20.95
		75	0	1	21.18	20.98	20.95
	16QAM	1	0	1	21.05	21.01	21.10
			37	1	21.43	20.84	21.12
			74	1	21.44	21.05	21.57
		37	0	2	21.19	20.97	20.96
			19	2	21.19	20.97	20.95
			38	2	21.18	20.98	20.95
		75	0	2	20.41	20.07	20.01
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					39750	40620	41490
20MHz	QPSK	1	0	0	21.95	22.18	22.29
			49	0	**22.52**	22.14	21.95
			99	0	22.00	22.39	21.95
		50	0	1	21.13	20.99	21.03
			25	1	21.14	21.11	21.03
			50	1	21.20	21.11	20.94
		100	0	1	21.22	21.08	21.02
	16QAM	1	0	1	21.54	21.15	20.97
			49	1	22.07	21.29	21.04
			99	1	21.55	21.29	20.93
		50	0	2	20.30	20.11	20.07
			25	2	20.23	20.12	20.07
			50	2	20.26	20.30	20.07
		100	0	2	20.31	20.15	20.01

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 131979	Channel 132422	Channel 132665
1.4MHz	QPSK	1	0	0	22.12	22.29	22.26
			2	0	22.04	22.41	22.35
			5	0	22.31	22.03	22.36
		3	0	0	22.31	22.34	22.28
			1	0	22.10	22.04	22.28
			3	0	22.12	22.16	22.22
		6	0	1	21.13	21.08	21.34
	16QAM	1	0	1	20.87	21.64	21.54
			2	1	21.09	21.58	21.72
			5	1	21.31	21.49	21.73
		3	0	1	21.11	20.82	21.04
			1	1	21.01	20.61	21.13
			3	1	21.05	20.58	20.92
		6	0	2	19.75	19.81	20.16
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 131987	Channel 132422	Channel 132657
3MHz	QPSK	1	0	0	21.95	21.92	22.03
			8	0	21.98	21.94	22.26
			14	0	21.88	22.09	22.24
		8	0	1	21.10	21.05	21.31
			4	1	21.08	21.09	21.32
			7	1	21.14	21.06	21.33
		15	0	1	21.04	21.09	21.30
	16QAM	1	0	1	21.01	20.80	21.34
			8	1	20.89	20.78	21.45
			14	1	20.86	21.01	21.50
		8	0	2	19.99	19.87	20.24
			4	2	20.07	20.27	20.23
			7	2	20.03	19.87	20.35
		15	0	2	20.03	19.82	20.25

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 131997	Channel 132422	Channel 132647
5MHz	QPSK	1	0	0	21.98	22.12	22.15
			12	0	22.06	22.27	22.31
			24	0	22.05	22.18	22.15
		12	0	1	21.10	20.95	21.14
			6	1	21.03	21.09	21.24
			13	1	21.08	21.14	21.40
		25	0	1	21.05	20.98	21.39
	16QAM	1	0	1	20.98	20.88	21.07
			12	1	21.59	20.93	21.77
			24	1	21.00	20.99	21.19
		12	0	2	20.09	20.09	20.18
			6	2	20.08	20.10	20.27
			13	2	20.04	20.21	20.32
		25	0	2	20.16	20.17	20.45
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132022	Channel 132422	Channel 132622
10MHz	QPSK	1	0	0	22.02	22.01	22.05
			24	0	22.08	22.20	**22.44**
			49	0	22.10	22.39	22.13
		25	0	1	21.12	20.99	21.01
			12	1	21.18	20.99	21.04
			25	1	21.13	21.03	21.18
		50	0	1	21.21	21.08	21.29
	16QAM	1	0	1	20.88	21.03	21.25
			24	1	21.42	21.54	21.63
			49	1	20.95	20.85	21.71
		25	0	2	19.91	20.00	20.06
			12	2	19.91	20.00	20.07
			25	2	20.19	20.05	20.22
		50	0	2	20.18	19.97	20.19

Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132047	Channel 132422	Channel 132597
15MHz	QPSK	1	0	0	21.94	21.94	22.14
			38	0	21.90	22.00	22.17
			74	0	22.12	22.04	22.19
		38	0	1	21.08	20.98	21.16
			18	1	21.08	21.01	21.17
			37	1	21.08	21.03	21.18
		75	0	1	21.08	21.06	21.19
	16QAM	1	0	1	20.92	20.81	21.43
			38	1	20.96	21.17	21.52
			74	1	20.98	21.13	21.65
		38	0	2	21.08	20.99	21.17
			18	2	21.08	21.01	21.18
			37	2	21.08	21.04	21.18
		75	0	2	19.95	20.10	20.24
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel 132072	Channel 132422	Channel 132572
20MHz	QPSK	1	0	0	21.91	22.01	21.81
			49	0	22.33	22.21	22.20
			99	0	22.22	21.98	22.18
		50	0	1	21.11	21.02	20.97
			25	1	21.09	21.03	20.90
			50	1	21.07	21.04	21.13
		100	0	1	21.02	20.96	21.22
	16QAM	1	0	1	20.79	21.72	20.74
			49	1	21.64	22.06	21.28
			99	1	21.31	21.65	20.96
		50	0	2	20.22	19.96	19.96
			25	2	20.23	19.96	19.98
			50	2	20.30	20.17	20.25
		100	0	2	20.12	20.05	20.19

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.
UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3.3-1 of the 3GPP TS36.101.

Table 6.2.3.3-1 Maximum Power Reduction (MPR) for Power class3

Modulation	Maximum Power Reduction (MPR) for Power[RB]						MPR(dB)
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	
QPSK	＞5	＞4	＞8	＞12	＞16	＞18	≤1
16QAM	≤5	≤4	≤8	≤12	≤16	≤18	≤1
16QAM	＞5	＞4	＞8	＞12	＞16	＞18	≤2

The allowed A-MPR values specified below in Table 6.2.4.3-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of “NS_01”.3

Table 6.2.4.3-1: Additional Maximum Power Reduction (A-MPR) / Spectrum Emission requirements

Network Signaling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.2-1	1.4,3,5,10,15,20	Table 5.4.2-1	N/A
NS_03	6.6.2.2.3.1	2,4,10, 23, 25,35,36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.3.2	41	5	>6	≤1
			10, 15, 20	Table 6.2.4.3-4	
NS_05	6.6.3.3.3.1	1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.4.2-1	N/A
NS_07	6.6.2.2.3.3 6.6.3.3.3.2	13	10	Table 6.2.4.3-2	Table 6.2.4.3-2
NS_08	6.6.3.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4.3-3	Table 6.2.4.3-3
NS_11	6.6.2.2.1 6.6.3.3.13	231	1.4, 3, 5, 10,15,20	Table 6.2.4.3-5	Table 6.2.4.3-5
NS_12	6.6.3.3.5	26	1.4, 3, 5	Table 6.2.4.3-6	Table 6.2.4.3-6
NS_13	6.6.3.3.6	26	5	Table 6.2.4.3-7	Table 6.2.4.3-7
NS_14	6.6.3.3.7	26	10, 15	Table 6.2.4.3-8	Table 6.2.4.3-8
NS_15	6.6.3.3.8	26	1.4, 3, 5, 10, 15	Table 6.2.4.3-9 Table 6.2.4.3-10	Table 6.2.4.3-9, Table 6.2.4.3-10
NS_16	6.6.3.3.9	27	3, 5, 10	Table 6.2.4.3-11, Table 6.2.4.3-12, Table 6.2.4.3-13	
NS_17	6.6.3.3.10 6.6.3.3.11	28 28	5, 10	Table 5.4.2-1	N/A
			5	≥ 2	≤ 1
NS_18			10, 15, 20	≥ 1	≤ 4
NS_19			10, 15, 20	Table 6.2.4.3-15	Table 6.2.4.3-15
NS_20			5, 10, 15, 20	Table 6.2.4.3-14	Table 6.2.4.3-14
…					
NS_20	-	-	-	-	-

WIFI

Mode	Data Rate (Mbps)	Channel	Frequency(MHz)	Avg. Burst Power(dBm)
802.11b	1	01	2412	14.51
		06	2437	14.00
		11	2462	**14.54**
802.11g	6	01	2412	13.19
		06	2437	12.61
		11	2462	13.34
802.11n(20)	6.5	01	2412	11.30
		06	2437	11.60
		11	2462	11.99
802.11n(40)	13.5	03	2422	10.96
		06	2437	10.49
		09	2452	10.08

Bluetooth_V5.0(BR/EDR)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	3.626
	39	2441	5.030
	78	2480	5.186
π /4-DQPSK	0	2402	3.840
	39	2441	5.225
	78	2480	5.397
8-DPSK	0	2402	4.065
	39	2441	5.435
	78	2480	**5.690**

Bluetooth_V5.0(BLE)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	3.578
	19	2440	5.119
	39	2480	5.237

5GHz WIFI

Mode	channel	Frequency	Avg. Burst Power (dBm)							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	14.38	14.26	14.17	14.01	14.01	14.00	13.87	13.71
	40	5200	14.59	14.56	14.50	14.40	14.38	14.24	14.10	13.92
	48	5240	**14.64**	14.61	14.45	14.30	14.17	14.06	13.92	13.78
	52	5260	**14.28**	14.13	14.12	13.96	13.87	13.84	13.64	13.55
	60	5300	13.24	13.05	12.98	12.94	12.83	12.71	12.61	12.57
	64	5320	12.78	12.58	12.54	12.36	12.26	12.26	12.09	11.94
	100	5500	**14.49**	14.31	14.17	13.97	13.88	13.81	13.61	13.55
	116	5580	13.88	13.72	13.62	13.57	13.55	13.39	13.30	13.14
	140	5700	13.76	13.57	13.37	13.30	13.15	13.09	13.01	12.99
	149	5745	**11.23**	11.07	10.91	10.78	10.77	10.70	10.57	10.45
	157	5785	10.04	9.96	9.79	9.69	9.61	9.50	9.40	9.37
	165	5825	8.52	8.43	8.38	8.24	8.14	8.04	7.92	7.78
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (20)	36	5180	13.38	13.36	13.18	13.03	12.98	12.80	12.65	12.57
	40	5200	13.71	13.66	13.62	13.49	13.35	13.30	13.10	13.02
	48	5240	13.71	13.59	13.51	13.37	13.18	13.05	12.91	12.72
	52	5260	13.32	13.23	13.15	13.04	12.94	12.90	12.88	12.85
	60	5300	12.30	12.16	12.01	12.00	11.94	11.92	11.81	11.73
	64	5320	11.84	11.73	11.55	11.50	11.41	11.36	11.28	11.11
	100	5500	13.65	13.60	13.53	13.37	13.22	13.04	12.85	12.79
	116	5580	12.90	12.89	12.88	12.79	12.74	12.73	12.66	12.47
	140	5700	12.93	12.89	12.74	12.55	12.38	12.20	12.18	12.11
	149	5745	10.31	10.23	10.05	10.02	10.00	9.92	9.81	9.67
	157	5785	9.00	8.94	8.84	8.79	8.67	8.60	8.47	8.30
	165	5825	7.36	7.17	6.99	6.82	6.65	6.47	6.35	6.17
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (40)	38	5190	11.01	10.89	10.83	10.68	10.57	10.47	10.37	10.28
	46	5230	11.17	11.14	11.04	10.87	10.83	10.74	10.67	10.65
	54	5270	10.68	10.54	10.39	10.34	10.15	10.14	9.95	9.79
	62	5310	9.67	9.63	9.55	9.36	9.35	9.25	9.13	9.09
	102	5510	10.96	10.89	10.78	10.64	10.52	10.51	10.40	10.25
	110	5550	10.01	9.82	9.81	9.70	9.51	9.50	9.49	9.41
	134	5670	9.88	9.86	9.82	9.70	9.67	9.66	9.46	9.33
	151	5755	10.84	10.69	10.64	10.55	10.39	10.33	10.31	10.29
	159	5795	9.29	9.19	9.10	8.91	8.88	8.74	8.61	8.47

Mode	channel	Frequency	Avg. Burst Power (dBm)							
			Data Rate(bps)							
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (20)	36	5180	13.42	13.36	13.17	13.14	13.03	13.03	12.91	12.79
	40	5200	13.72	13.53	13.51	13.50	13.33	13.27	13.18	13.05
	48	5240	13.63	13.61	13.45	13.27	13.20	13.09	12.89	12.82
	52	5260	13.35	13.21	13.20	13.17	13.10	13.08	13.04	12.92
	60	5300	12.33	12.32	12.31	12.19	12.10	12.05	11.94	11.93
	64	5320	11.78	11.61	11.44	11.42	11.38	11.33	11.32	11.23
	100	5500	13.06	13.03	12.84	12.79	12.59	12.54	12.47	12.30
	116	5580	12.56	12.50	12.48	12.28	12.17	12.13	11.97	11.90
	140	5700	11.87	11.68	11.62	11.57	11.49	11.44	11.41	11.25
	149	5745	10.38	10.19	10.15	10.07	9.91	9.85	9.70	9.55
	157	5785	8.95	8.86	8.75	8.67	8.53	8.45	8.30	8.23
	165	5825	7.28	7.22	7.13	7.09	7.02	6.87	6.75	6.61
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (40)	38	5190	10.88	10.76	10.58	10.50	10.46	10.38	10.25	10.23
	46	5230	11.16	11.14	11.08	11.02	10.90	10.71	10.65	10.45
	54	5270	10.65	10.52	10.34	10.23	10.13	10.00	9.95	9.92
	62	5310	9.75	9.56	9.50	9.46	9.37	9.34	9.22	9.17
	102	5510	10.45	10.29	10.25	10.22	10.16	10.14	10.07	10.03
	110	5550	9.98	9.82	9.68	9.66	9.51	9.36	9.17	9.09
	134	5670	9.92	9.87	9.80	9.76	9.63	9.59	9.56	9.39
	151	5755	10.82	10.62	10.43	10.41	10.39	10.23	10.15	10.06
	159	5795	9.27	9.24	9.12	9.10	9.05	8.87	8.75	8.66
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (80)	42	5210	9.95	9.91	9.88	9.73	9.55	9.37	9.35	9.28
	58	5290	9.04	9.03	9.01	8.84	8.65	8.63	8.59	8.46
	106	5530	7.15	7.00	6.83	6.70	6.52	6.37	6.18	6.12
	138	5690	6.79	6.69	6.64	6.57	6.46	6.39	6.33	6.14
	155	5775	8.97	8.79	8.61	8.44	8.42	8.28	8.09	7.98

13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

Head SAR was performed with the device configured in the positions according to IEEE 1528-2013, Body-worn and 4 Edges SAR was performed with the device 5mm from the phantom.

13.1.2. Operation Mode

1. Per KDB 447498 D01 v06 ,for each exposure position, if the highest 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional.
2. Per KDB 865664 D01 v01r04,for each frequency band, if the measured SAR is ≥0.8W/kg, testing for repeated SAR measurement is required , that the highest measured SAR is only to be tested. When the SAR results are near the limit, the following procedures are required for each device to verify these types of SAR measurement related variation concerns by repeating the highest measured SAR configuration in each frequency band.
   (1) When the original highest measured SAR is ≥0.8W/kg, repeat that measurement once.
   (2) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is >1.20 or when the original or repeated measurement is ≥1.45 W/kg.
   (3) Perform a third repeated measurement only if the original, first and second repeated measurement is ≥1.5 W/kg and ratio of largest to smallest SAR for the original, first and second measurement is ≥ 1.20.
3. Body-worn exposure conditions are intended to voice call operations, therefore GSM voice call mode is selected to be test.
4. Per KDB 648474 D04 v01r03,when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤1.2W/kg, SAR testing with a headset connected is not required.
5. Per KDB 248227 D01v02r02,for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤1.2W/kg.
6. Per KDB 248227 D01 v02r02 Chapter 5.3.4, SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. The initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, the procedures in 5.3.2 are applied to determine the test configuration. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.
   (1) When SAR test exclusion provisions of KDB Publication 447498 D01 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
   (2) When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

7. Per KDB 941225 D06 V02r01, When the same wireless mode transmission configurations for voice and data are required for SAR measurements, the more conservative configuration with a smaller separation distance should be tested for the overlapping SAR configurations.
8. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:
   Maximum Scaling SAR =tested SAR (Max.) ×[maximum turn-up power (mw)/ maximum measurement output power(mw)]
9. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
10. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation using the RB offset and required test channel combination with highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
11. Per KDB 941125 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
12. Per KDB 941125 D05v02r05. 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 1RB allocation and the highest reported SAR is >1.45 W/kg, the remaining required test channels must also be tested.
13. Per KDB 941125 D05v02r05. 16QAM output power for each RB allocation configuration is not 1/2 dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤1.45W/kg, Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
14. Per KDB 941125 D05v02r05. Smaller bandwidth output power for each RB allocation configuration is >not 1/2 dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤1.45W/kg. Per KDB 941125 D05v02r05, smaller bandwidth SAR testing is not required.

13.1.3. Test Result

SAR MEASUREMENT										
Depth of Liquid (cm):>15				Relative Humidity (%): 60.2						
Product: Phone										
Test Mode: GSM850 with GMSK modulation										
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
SIM 1 Card										
Left Cheek	voice	190	836.6	-0.71	0.284	33.00	32.96	1.009	0.287	1.6
Left Tilt	voice	190	836.6	0.67	0.155	33.00	32.96	1.009	0.156	1.6
Right Cheek	voice	190	836.6	-0.62	**0.343**	33.00	32.96	1.009	**0.346**	1.6
Right Tilt	voice	190	836.6	-0.65	0.204	33.00	32.96	1.009	0.206	1.6
Body back	voice	190	836.6	-0.96	0.374	33.00	32.96	1.009	0.377	1.6
Body front	voice	190	836.6	0.49	**0.396**	33.00	32.96	1.009	**0.400**	1.6
Body back	GPRS-2 slot	190	836.6	-0.66	0.431	31.00	30.86	1.033	0.445	1.6
Body front	GPRS-2 slot	190	836.6	-0.81	**0.451**	31.00	30.86	1.033	**0.466**	1.6
Edge 2(Right)	GPRS-2 slot	190	836.6	-0.47	0.274	31.00	30.86	1.033	0.283	1.6
Edge 3(Bottom)	GPRS-2 slot	190	836.6	0.36	0.415	31.00	30.86	1.033	0.429	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT										
Depth of Liquid (cm):>15				Relative Humidity (%): 56.3						
Product: Phone										
Test Mode: PCS1900 with GMSK modulation										
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
SIM 1 Card										
Left Cheek	voice	661	1880.0	-0.61	0.048	29.00	28.22	1.197	0.057	1.6
Left Tilt	voice	661	1880.0	-0.73	0.021	29.00	28.22	1.197	0.025	1.6
Right Cheek	voice	661	1880.0	-0.91	**0.062**	29.00	28.22	1.197	**0.074**	1.6
Right Tilt	voice	661	1880.0	-0.64	0.020	29.00	28.22	1.197	0.024	1.6
Body back	voice	661	1880.0	0.90	**0.137**	29.00	28.22	1.197	**0.164**	1.6
Body front	voice	661	1880.0	-0.43	0.117	29.00	28.22	1.197	0.140	1.6
Body back	GPRS-2 slot	661	1880	-0.64	0.131	26.50	25.57	1.239	0.162	1.6
Body front	GPRS-2 slot	661	1880.0	-0.65	0.099	26.50	25.57	1.239	0.123	1.6
Edge 2(Right)	GPRS-2 slot	661	1880.0	-0.92	0.080	26.50	25.57	1.239	0.099	1.6
Edge 3(Bottom)	GPRS-2 slot	661	1880.0	0.62	**0.147**	26.50	25.57	1.239	**0.182**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT										
Depth of Liquid (cm):>15				Relative Humidity (%): 56.3						
Product: Phone										
Test Mode: WCDMA Band II with QPSK modulation										
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	9400	1880	-0.75	0.140	23.50	23.25	1.059	0.148	1.6
Left Tilt	RMC 12.2kbps	9400	1880	0.88	0.050	23.50	23.25	1.059	0.053	1.6
Right Cheek	RMC 12.2kbps	9400	1880	-0.81	**0.149**	23.50	23.25	1.059	**0.158**	1.6
Right Tilt	RMC 12.2kbps	9400	1880	-0.70	0.047	23.50	23.25	1.059	0.050	1.6
Body back	RMC 12.2kbps	9400	1880	1.14	0.269	23.50	23.25	1.059	0.285	1.6
Body front	RMC 12.2kbps	9400	1880	-0.47	0.263	23.50	23.25	1.059	0.279	1.6
Edge 2(Right)	RMC 12.2kbps	9400	1880	0.40	0.188	23.50	23.25	1.059	0.199	1.6
Edge 3(Bottom)	RMC 12.2kbps	9400	1880	-0.30	**0.342**	23.50	23.25	1.059	**0.362**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT										
Depth of Liquid (cm):>15				Relative Humidity (%): 60.2						
Product: Phone										
Test Mode: WCDMA Band V with QPSK modulation										
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	RMC 12.2kbps	4183	836.4	-0.64	0.286	24.00	23.71	1.069	0.306	1.6
Left Tilt	RMC 12.2kbps	4183	836.4	0.85	0.146	24.00	23.71	1.069	0.156	1.6
Right Cheek	RMC 12.2kbps	4183	836.4	-0.87	**0.306**	24.00	23.71	1.069	**0.327**	1.6
Right Tilt	RMC 12.2kbps	4183	836.4	-0.88	0.176	24.00	23.71	1.069	0.188	1.6
Body back	RMC 12.2kbps	4183	836.4	1.21	0.399	24.00	23.71	1.069	0.427	1.6
Body front	RMC 12.2kbps	4183	836.4	-0.22	0.357	24.00	23.71	1.069	0.382	1.6
Edge 2(Right)	RMC 12.2kbps	4183	836.4	-0.50	0.291	24.00	23.71	1.069	0.311	1.6
Edge 3(Bottom)	RMC 12.2kbps	4183	836.4	0.30	**0.402**	24.00	23.71	1.069	**0.430**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT													
Depth of Liquid (cm):>15				Relative Humidity (%): 56.3									
Product: Phone													
Test Mode: LTE Band 2													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune up Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
20	**QPSK**	Left Cheek	1	0	18900	1880	-0.81	0.087	22.50	21.69	1.205	0.105	1.6
		Left Tilt	1	0	18900	1880	0.68	0.044	22.50	21.69	1.205	0.053	1.6
		Right Cheek	1	0	18900	1880	-0.67	**0.127**	22.50	21.69	1.205	**0.153**	1.6
		Right Tilt	1	0	18900	1880	-0.80	0.039	22.50	21.69	1.205	0.047	1.6
		Body back	1	0	18900	1880	-0.97	0.232	22.50	21.69	1.205	0.280	1.6
		Body front	1	0	18900	1880	0.26	0.259	22.50	21.69	1.205	0.312	1.6
		Edge 2(Right)	1	0	18900	1880	-0.51	0.164	22.50	21.69	1.205	0.198	1.6
		Edge 3(Bottom)	1	0	18900	1880	0.37	**0.383**	22.50	21.69	1.205	**0.462**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT													
Depth of Liquid (cm):>15				Relative Humidity (%): 54.1									
Product: Phone													
Test Mode: LTE Band 4													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
20	**QPSK**	Left Cheek	1	0	20175	1732.5	-0.72	0.098	22.50	22.09	1.099	0.108	1.6
		Left Tilt	1	0	20175	1732.5	-0.75	0.036	22.50	22.09	1.099	0.040	1.6
		Right Cheek	1	0	20175	1732.5	0.61	**0.124**	22.50	22.09	1.099	**0.136**	1.6
		Right Tilt	1	0	20175	1732.5	0.83	0.062	22.50	22.09	1.099	0.068	1.6
		Body back	1	0	20175	1732.5	-1.05	0.430	22.50	22.09	1.099	0.473	1.6
		Body front	1	0	20175	1732.5	0.22	0.228	22.50	22.09	1.099	0.251	1.6
		Edge 2(Right)	1	0	20175	1732.5	-0.33	0.182	22.50	22.09	1.099	0.200	1.6
		Edge 3(Bottom)	1	0	20175	1732.5	-0.46	**0.523**	22.50	22.09	1.099	**0.575**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15			Relative Humidity (%): 60.2									
Product: Phone												
Test Mode: LTE Band 5												
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	20525	836.5	-0.69	0.228	23.00	22.60	1.096	0.250	1.6
		Left Tilt	1	0	20525	836.5	-0.86	0.111	23.00	22.60	1.096	0.122	1.6
		Right Cheek	1	0	20525	836.5	0.85	**0.253**	23.00	22.60	1.096	**0.277**	1.6
		Right Tilt	1	0	20525	836.5	-0.74	0.130	23.00	22.60	1.096	0.143	1.6
		Body back	1	0	20525	836.5	-1.03	**0.425**	23.00	22.60	1.096	**0.466**	1.6
		Body front	1	0	20525	836.5	-0.50	0.308	23.00	22.60	1.096	0.338	1.6
		Edge 2(Right)	1	0	20525	836.5	0.22	0.173	23.00	22.60	1.096	0.190	1.6
		Edge 3(Bottom)	1	0	20525	836.5	-0.28	0.335	23.00	22.60	1.096	0.367	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT												
Depth of Liquid (cm):>15			Relative Humidity (%): 60.9									
Product: Phone												
Test Mode: LTE Band 7												
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
20	**QPSK**	Left Cheek	1	0	21100	2535	-0.64	0.084	22.50	21.59	1.233	0.104	1.6
		Left Tilt	1	0	21100	2535	0.88	0.047	22.50	21.59	1.233	0.058	1.6
		Right Cheek	1	0	21100	2535	-0.91	**0.128**	22.50	21.59	1.233	**0.158**	1.6
		Right Tilt	1	0	21100	2535	-0.85	0.033	22.50	21.59	1.233	0.041	1.6
		Body back	1	0	21100	2535	0.91	**0.555**	22.50	21.59	1.233	**0.684**	1.6
		Body front	1	0	21100	2535	-0.38	0.159	22.50	21.59	1.233	0.196	1.6
		Edge 2(Right)	1	0	21100	2535	0.35	0.447	22.50	21.59	1.233	0.551	1.6
		Edge 3(Bottom)	1	0	21100	2535	-0.33	0.257	22.50	21.59	1.233	0.317	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT													
Depth of Liquid (cm):>15				Relative Humidity (%): 51.3									
Product: Phone													
Test Mode: LTE Band 12													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	23095	707.5	-0.90	0.193	23.50	22.81	1.172	0.226	1.6
		Left Tilt	1	0	23095	707.5	-0.88	0.093	23.50	22.81	1.172	0.109	1.6
		Right Cheek	1	0	23095	707.5	0.83	**0.252**	23.50	22.81	1.172	**0.295**	1.6
		Right Tilt	1	0	23095	707.5	-0.68	0.127	23.50	22.81	1.172	0.149	1.6
		Body back	1	0	23095	707.5	-1.07	**0.221**	23.50	22.81	1.172	**0.259**	1.6
		Body front	1	0	23095	707.5	0.33	0.185	23.50	22.81	1.172	0.217	1.6
		Edge 2(Right)	1	0	23095	707.5	-0.32	0.185	23.50	22.81	1.172	0.217	1.6
		Edge 3(Bottom)	1	0	23095	707.5	-0.39	0.164	23.50	22.81	1.172	0.192	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT													
Depth of Liquid (cm):>15				Relative Humidity (%): 51.3									
Product: Phone													
Test Mode: LTE Band 13													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	23230	782	-0.76	0.128	23.00	22.25	1.189	0.152	1.6
		Left Tilt	1	0	23230	782	0.69	0.059	23.00	22.25	1.189	0.070	1.6
		Right Cheek	1	0	23230	782	0.68	**0.133**	23.00	22.25	1.189	**0.158**	1.6
		Right Tilt	1	0	23230	782	-1.12	0.068	23.00	22.25	1.189	0.081	1.6
		Body back	1	0	23230	782	0.34	0.165	23.00	22.25	1.189	0.196	1.6
		Body front	1	0	23230	782	-0.24	0.144	23.00	22.25	1.189	0.171	1.6
		Edge 2(Right)	1	0	23230	782	-0.21	**0.168**	23.00	22.25	1.189	**0.200**	1.6
		Edge 3(Bottom)	1	0	23230	782	0.63	0.156	23.00	22.25	1.189	0.185	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT													
Depth of Liquid (cm):>15					Relative Humidity (%):51.3								
Product: Phone													
Test Mode: LTE Band 17													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	23790	710	-0.76	0.190	23.00	22.63	1.089	0.207	1.6
		Left Tilt	1	0	23790	710	0.86	0.096	23.00	22.63	1.089	0.105	1.6
		Right Cheek	1	0	23790	710	-0.91	**0.249**	23.00	22.63	1.089	**0.271**	1.6
		Right Tilt	1	0	23790	710	0.84	0.102	23.00	22.63	1.089	0.111	1.6
		Body back	1	0	23790	710	-1.21	**0.286**	23.00	22.63	1.089	**0.311**	1.6
		Body front	1	0	23790	710	-0.34	0.161	23.00	22.63	1.089	0.175	1.6
		Edge 2(Right)	1	0	23790	710	0.41	0.202	23.00	22.63	1.089	0.220	1.6
		Edge 3(Bottom)	1	0	23790	710	-0.20	0.186	23.00	22.63	1.089	0.203	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT													
Depth of Liquid (cm):>15				Relative Humidity (%): 56.3									
Product: Phone													
Test Mode: LTE Band 25													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
20	**QPSK**	Left Cheek	1	0	26365	1882.5	-0.75	**0.123**	22.50	21.70	1.202	**0.148**	1.6
		Left Tilt	1	0	26365	1882.5	0.66	0.052	22.50	21.70	1.202	0.063	1.6
		Right Cheek	1	0	26365	1882.5	-0.63	0.104	22.50	21.70	1.202	0.125	1.6
		Right Tilt	1	0	26365	1882.5	-1.01	0.040	22.50	21.70	1.202	0.048	1.6
		Body back	1	0	26365	1882.5	0.42	0.229	22.50	21.70	1.202	0.275	1.6
		Body front	1	0	26365	1882.5	-0.46	0.216	22.50	21.70	1.202	0.260	1.6
		Edge 2(Right)	1	0	26365	1882.5	0.32	0.163	22.50	21.70	1.202	0.196	1.6
		Edge 3(Bottom)	1	0	26365	1882.5	-1.10	**0.281**	22.50	21.70	1.202	**0.338**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT													
Depth of Liquid (cm):>15					Relative Humidity (%): 60.2								
Product: LTE smartphone													
Test Mode: LTE Band 26(824-849MHz)													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/Kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
15	**QPSK**	Left Cheek	1	0	26915	836.5	-0.83	**0.239**	23.00	22.21	1.199	**0.287**	1.6
		Left Tilt	1	0	26915	836.5	0.93	0.105	23.00	22.21	1.199	0.126	1.6
		Right Cheek	1	0	26915	836.5	-0.71	0.220	23.00	22.21	1.199	0.264	1.6
		Right Tilt	1	0	26915	836.5	-0.72	0.138	23.00	22.21	1.199	0.166	1.6
		Body back	1	0	26915	836.5	1.00	**0.405**	23.00	22.21	1.199	**0.486**	1.6
		Body front	1	0	26915	836.5	-0.25	0.288	23.00	22.21	1.199	0.345	1.6
		Edge 2(Right)	1	0	26915	836.5	-0.50	0.207	23.00	22.21	1.199	0.248	1.6
		Edge 3(Bottom)	1	0	26915	836.5	0.20	0.344	23.00	22.21	1.199	0.413	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT													
Depth of Liquid (cm):>15				Relative Humidity (%): 60.2									
Product: LTE smartphone													
Test Mode: LTE Band 26(814-824MHz)													
BM MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/Kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	26740	819	-0.60	**0.182**	23.00	22.42	1.143	**0.208**	1.6
		Left Tilt	1	0	26740	819	0.90	0.083	23.00	22.42	1.143	0.095	1.6
		Right Cheek	1	0	26740	819	-0.71	0.180	23.00	22.42	1.143	0.206	1.6
		Right Tilt	1	0	26740	819	-0.87	0.097	23.00	22.42	1.143	0.111	1.6
		Body back	1	0	26740	819	0.93	**0.283**	23.00	22.42	1.143	**0.323**	1.6
		Body front	1	0	26740	819	-0.26	0.226	23.00	22.42	1.143	0.258	1.6
		Edge 2(Right)	1	0	26740	819	-0.50	0.145	23.00	22.42	1.143	0.166	1.6
		Edge 3(Bottom)	1	0	26740	819	0.27	0.268	23.00	22.42	1.143	0.306	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT													
Depth of Liquid (cm):>15					Relative Humidity (%): 60.9								
Product: Phone													
Test Mode: LTE Band 38													
BW MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
20	**QPSK**	Left Cheek	1	0	38000	2595	-0.89	0.126	22.50	22.36	1.033	0.130	1.6
		Left Tilt	1	0	38000	2595	0.79	0.071	22.50	22.36	1.033	0.073	1.6
		Right Cheek	1	0	38000	2595	0.71	**0.175**	22.50	22.36	1.033	**0.181**	1.6
		Right Tilt	1	0	38000	2595	-0.69	0.055	22.50	22.36	1.033	0.057	1.6
		Body back	1	0	38000	2595	-0.98	0.690	22.50	22.36	1.033	0.713	1.6
		Body front	1	0	38000	2595	0.29	0.256	22.50	22.36	1.033	0.264	1.6
		Edge 2(Right)	1	0	38000	2595	-0.22	**0.749**	22.50	22.36	1.033	**0.774**	1.6
		Edge 3(Bottom)	1	0	38000	2595	-0.45	0.416	22.50	22.36	1.033	0.430	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table

SAR MEASUREMENT													
Depth of Liquid (cm):>15				Relative Humidity (%): 58.7									
Product: Phone													
Test Mode: LTE Band 40-Lower Side													
BW MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	38750	2310	-0.74	0.067	22.50	22.03	1.114	0.075	1.6
		Left Tilt	1	0	38750	2310	0.62	0.027	22.50	22.03	1.114	0.030	1.6
		Right Cheek	1	0	38750	2310	-0.75	**0.079**	22.50	22.03	1.114	**0.088**	1.6
		Right Tilt	1	0	38750	2310	-0.85	0.020	22.50	22.03	1.114	0.022	1.6
		Body back	1	0	38750	2310	-0.99	**0.183**	22.50	22.03	1.114	**0.204**	1.6
		Body front	1	0	38750	2310	0.39	0.175	22.50	22.03	1.114	0.195	1.6
		Edge 2(Right)	1	0	38750	2310	-0.27	0.121	22.50	22.03	1.114	0.135	1.6
		Edge 3(Bottom)	1	0	38750	2310	-0.34	0.107	22.50	22.03	1.114	0.119	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table

SAR MEASUREMENT													
Depth of Liquid (cm):>15				Relative Humidity (%): 58.7									
Product: Phone													
Test Mode: LTE Band 40- Upper Side													
BW MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
10	**QPSK**	Left Cheek	1	0	39200	2355	-0.85	0.048	22.50	21.92	1.143	0.055	1.6
		Left Tilt	1	0	39200	2355	0.92	**0.092**	22.50	21.92	1.143	**0.105**	1.6
		Right Cheek	1	0	39200	2355	-0.75	0.065	22.50	21.92	1.143	0.074	1.6
		Right Tilt	1	0	39200	2355	-0.66	0.015	22.50	21.92	1.143	0.017	1.6
		Body back	1	0	39200	2355	1.22	**0.207**	22.50	21.92	1.143	**0.237**	1.6
		Body front	1	0	39200	2355	-0.33	0.168	22.50	21.92	1.143	0.192	1.6
		Edge 2(Right)	1	0	39200	2355	-0.40	0.129	22.50	21.92	1.143	0.147	1.6
		Edge 3(Bottom)	1	0	39200	2355	0.40	0.094	22.50	21.92	1.143	0.107	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table

SAR MEASUREMENT													
Depth of Liquid (cm):>15					Relative Humidity (%): 60.9								
Product: Phone													
Test Mode: LTE Band 41													
BW MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
20	**QPSK**	Left Cheek	1	0	40620	2593	-0.75	0.134	23.00	22.18	1.208	0.162	1.6
		Left Tilt	1	0	40620	2593	0.62	0.072	23.00	22.18	1.208	0.087	1.6
		Right Cheek	1	0	40620	2593	-0.90	**0.189**	23.00	22.18	1.208	**0.228**	1.6
		Right Tilt	1	0	40620	2593	-0.87	0.055	23.00	22.18	1.208	0.066	1.6
		Body back	1	0	40620	2593	-1.11	0.739	23.00	22.18	1.208	0.893	1.6
		Body front	1	0	40620	2593	0.46	0.448	23.00	22.18	1.208	0.541	1.6
		Edge 2(Right)	1	0	39750	2506	-0.46	0.847	23.00	22.18	1.208	1.023	1.6
		Edge 2(Right)	1	0	40620	2593	-0.25	**0.967**	23.00	22.18	1.208	**1.168**	1.6
		Edge 2(Right)	1	0	41490	2680	1.05	0.960	23.00	22.18	1.208	1.160	1.6
		Edge 3(Bottom)	1	0	40620	2593	-0.32	0.402	23.00	22.18	1.208	0.486	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table

SAR MEASUREMENT													
Depth of Liquid (cm):>15				Relative Humidity (%): 54.1									
Product: LTE smartphone													
Test Mode: LTE Band 66													
BW MHz	**MOD**	**Position**	**Test Mode**		**Ch.**	**Freq. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tuneup Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/Kg)**	**Limit (W/kg)**
			UL RB Allocation	**UL RB START**									
20	**QPSK**	Left Cheek	1	0	132422	1755	-0.77	0.058	22.50	22.01	1.119	0.065	1.6
		Left Tilt	1	0	132422	1755	0.81	0.022	22.50	22.01	1.119	0.025	1.6
		Right Cheek	1	0	132422	1755	-0.70	**0.069**	22.50	22.01	1.119	**0.077**	1.6
		Right Tilt	1	0	132422	1755	0.90	0.022	22.50	22.01	1.119	0.025	1.6
		Body back	1	0	132422	1755	1.11	0.195	22.50	22.01	1.119	0.218	1.6
		Body front	1	0	132422	1755	-0.39	0.172	22.50	22.01	1.119	0.193	1.6
		Edge 2(Right)	1	0	132422	1755	-0.51	0.128	22.50	22.01	1.119	0.143	1.6
		Edge 3(Bottom)	1	0	132422	1755	0.51	**0.199**	22.50	22.01	1.119	**0.223**	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table

SAR MEASUREMENT										
Depth of Liquid (cm):>15				Relative Humidity (%): 54.2						
Product: Phone										
Test Mode:802.11b										
Position	**Mode**	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	DTS	6	2437	-0.76	0.149	15.00	14.00	1.259	0.188	1.6
Left Tilt	DTS	6	2437	-0.64	**0.176**	15.00	14.00	1.259	**0.222**	1.6
Right Cheek	DTS	6	2437	-0.82	0.126	15.00	14.00	1.259	0.159	1.6
Right Tilt	DTS	6	2437	0.93	0.132	15.00	14.00	1.259	0.166	1.6
Body back	DTS	6	2437	-0.23	0.061	15.00	14.00	1.259	0.077	1.6
Body front	DTS	6	2437	-0.43	0.066	15.00	14.00	1.259	0.083	1.6
Edge 1 (Top)	DTS	6	2437	-0.31	**0.093**	15.00	14.00	1.259	**0.117**	1.6
Edge 2(Right)	DTS	6	2437	0.50	0.060	15.00	14.00	1.259	0.076	1.6

Note:
- According to KDB248227, SAR is not required for 802.11n HT20/HT40 channels when the maximum average output power is less than 1/4 dB higher than that measured on the corresponding 802.11a/b channels.
- All of above “DTS” means data transmitters.
- The test separation for body back, body front and 4 Edges is 5mm of all above table.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 60.3					
Product: Phone									
Test Mode: 5.2GHz WIFI-802.11a									
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	40	5200	0.52	0.126	15.00	14.59	1.099	0.138	1.6
Left Tilt	40	5200	-0.31	**0.146**	15.00	14.59	1.099	**0.160**	1.6
Right Cheek	40	5200	-0.49	0.092	15.00	14.59	1.099	0.101	1.6
Right Tilt	40	5200	-0.28	0.106	15.00	14.59	1.099	0.116	1.6
Body back	40	5200	0.27	**0.140**	15.00	14.59	1.099	**0.154**	1.6
Body front	40	5200	-0.46	0.077	15.00	14.59	1.099	0.085	1.6
Edge 1 (Top)	40	5200	-0.41	0.104	15.00	14.59	1.099	0.114	1.6
Edge 2 (Right)	40	5200	0.41	0.113	15.00	14.59	1.099	0.124	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 54.3					
Product: Phone									
Test Mode: 5.3GHz WIFI-802.11a									
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	60	5300	-0.77	0.105	14.30	13.24	1.276	0.134	1.6
Left Tilt	60	5300	-1.13	**0.112**	14.30	13.24	1.276	**0.143**	1.6
Right Cheek	60	5300	0.30	0.089	14.30	13.24	1.276	0.114	1.6
Right Tilt	60	5300	-0.26	0.109	14.30	13.24	1.276	0.139	1.6
Body back	60	5300	0.45	**0.154**	14.30	13.24	1.276	**0.197**	1.6
Body front	60	5300	-0.47	0.072	14.30	13.24	1.276	0.092	1.6
Edge 1 (Top)	60	5300	-0.25	0.103	14.30	13.24	1.276	0.131	1.6
Edge 2 (Right)	60	5300	0.26	0.094	14.30	13.24	1.276	0.120	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 61.4					
Product: Phone									
Test Mode: 5.6GHzWIFI- 802.11a									
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	116	5580	-0.32	0.111	14.50	13.88	1.153	0.128	1.6
Left Tilt	116	5580	-0.37	**0.150**	14.50	13.88	1.153	**0.173**	1.6
Right Cheek	116	5580	0.20	0.113	14.50	13.88	1.153	0.130	1.6
Right Tilt	116	5580	-0.51	0.096	14.50	13.88	1.153	0.111	1.6
Body back	116	5580	-0.38	**0.377**	14.50	13.88	1.153	**0.435**	1.6
Body front	116	5580	-0.32	0.098	14.50	13.88	1.153	0.113	1.6
Edge 1 (Top)	116	5580	0.51	0.158	14.50	13.88	1.153	0.182	1.6
Edge 2 (Right)	116	5580	-0.29	0.085	14.50	13.88	1.153	0.098	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 54.2					
Product: Phone									
Test Mode: 5.8GHz WIFI-802.11a									
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. Output Power (dBm)**	**Tune-up Scaling factor**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
Left Cheek	157	5785	-0.73	**0.140**	11.30	10.04	1.337	**0.187**	1.6
Left Tilt	157	5785	-0.77	0.134	11.30	10.04	1.337	0.179	1.6
Right Cheek	157	5785	0.61	0.128	11.30	10.04	1.337	0.171	1.6
Right Tilt	157	5785	-0.89	0.118	11.30	10.04	1.337	0.158	1.6
Body back	157	5785	-1.16	0.113	11.30	10.04	1.337	0.151	1.6
Body front	157	5785	-0.26	**0.144**	11.30	10.04	1.337	**0.192**	1.6
Edge 1 (Top)	157	5785	-0.30	0.086	11.30	10.04	1.337	0.115	1.6
Edge 2 (Right)	157	5785	0.33	0.098	11.30	10.04	1.337	0.131	1.6

Note:
· When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
·The test separation for body back, body front and 4 Edges is 5mm of all above table

Repeated SAR											
Product: Phone											
Test Mode: LTE Band 41											
Position	Mode		Ch.	Fr. (MHz)	Power Drift (<±5%)	Once SAR (1g) (W/kg)	Power Drift (<±5%)	Twice SAR (1g) (W/kg)	Power Drift (<±5%)	Third SAR (1g) (W/kg)	Limit W/kg
	UL RB Allocation	UL RB START									
Edge 2(Right)	1	0	40620	2593	-0.11	**0.826**	--	--	--	--	1.6

The second repeated SAR judge reference									
Product: Phone									
Band	Position	Mode		Ch.	Fr. (MHz)	Orignal SAR (1g) (W/kg)	First SAR (1g) (W/kg)	Ratio	Limit
		UL RB Allocation	UL RB START						
LTE Band 41	Edge 2(Right)	1	0	40620	2593	**0.967**	**0.826**	1.171	＜1.2

Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

NO	Simultaneous state	Portable Handset		
		Head	Body-worn	Hotspot
1	GSM(voice)+ WLAN 2.4GHz/ 5GHz (data)	Yes	Yes	-
2	GSM(voice)+ Bluetooth(data)	Yes	Yes	-
3	GSM (Data) + WLAN 2.4GHz/ 5GHz (data)	-	Yes	Yes
4	GSM (Data) + Bluetooth(data)	-	Yes	Yes
5	WCDMA+ WLAN 2.4GHz/ 5GHz (data)	Yes	Yes	Yes
6	WCDMA+ Bluetooth(data)	Yes	Yes	Yes
7	LTE + WLAN 2.4GHz/ 5GHz (data)	Yes	Yes	Yes
8	LTE + Bluetooth(data)	Yes	Yes	Yes

NOTE:

1. WIFI and BT share the same antenna, and cannot transmit simultaneously.
2. Simultaneous with every transmitter must be the same test position.
3. KDB 447498 D01, BT SAR is excluded as below table.
4. KDB 447498 D01, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user; which is 0mm for head SAR and 5mm for body-worn SAR.
5. According to KDB 447498 D01 4.3.1, Standalone SAR test exclusion is as follow:
   For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:
   [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR[30], where
   - f(GHz) is the RF channel transmit frequency in GHz
   - Power and distance are rounded to the nearest mW and mm before calculation[31]
   - The result is rounded to one decimal place for comparison
   - The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

   The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.
6. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
7. According to KDB 447498 D01 4.3.2, simultaneous transmission SAR test exclusion is as follow:
   (1) Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.
   (2) Any transmitters and antennas should be considered when calculating simultaneous mode.
   (3) For mobile phone and PC, it's the sum of all transmitters and antennas at the same mode with same position in each applicable exposure condition
   (4)When the standalone SAR test exclusion of section 4.3.2 is applied to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following to det
   (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)/x] W/kg for test separation distances ≤ 50 mm;
   where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR.

8. When the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR to peak location separation ratio. The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion. The ratio is determined by (SAR1 + SAR2)1.5/Ri, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

Estimated SAR		Max Power including Tune-up Tolerance		Separation Distance (mm)	Estimated SAR (W/kg)
		dBm	mW		
BT	Head	6	3.981	0	0.167
	Body	6	3.981	5	0.167

Sum of the SAR for GSM 850 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	WI-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.287	0.188		0.475	No
	Left Tilt	0.156	0.222		0.378	No
	Right Touch	0.346	0.159		0.505	No
	Right Tilt	0.206	0.166		0.372	No
Head (voice)	Left Touch	0.287		0.167	0.454	No
	Left Tilt	0.156		0.167	0.323	No
	Right Touch	0.346		0.167	0.513	No
	Right Tilt	0.206		0.167	0.373	No
Body-worn (voice)	Rear	0.377	0.077		0.454	No
		0.377		0.167	0.544	No
	Front	0.400	0.083		0.483	No
		0.400		0.167	0.567	No
Body-worn (Data)	Rear	0.445		0.167	0.612	No
		0.445	0.077		0.522	No
	Front	0.466		0.167	0.633	No
		0.466	0.083		0.549	No
Body-worn (Hotspot)	Edge 2	0.283	0.076		0.359	No
	Edge 2	0.283		0.167	0.450	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head (voice)	Left Touch	0.287	0.138		0.425	No
	Left Tilt	0.156	0.160		0.316	No
	Right Touch	0.346	0.101		0.447	No
	Right Tilt	0.206	0.116		0.322	No
Head (voice)	Left Touch	0.287		0.134	0.421	No
	Left Tilt	0.156		0.143	0.299	No
	Right Touch	0.346		0.114	0.460	No
	Right Tilt	0.206		0.139	0.345	No
Body-worn (voice)	Rear	0.377	0.154		0.531	No
		0.377		0.197	0.574	No
	Front	0.400	0.085		0.485	No
		0.400		0.092	0.492	No
Body-worn (Data)	Rear	0.445		0.197	0.642	No
		0.445	0.154		0.599	No
	Front	0.466		0.092	0.558	No
		0.466	0.085		0.551	No
Body-worn (Hotspot)	Edge 2	0.283	0.124		0.407	No
	Edge 2	0.283		0.120	0.403	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head (voice)	Left Touch	0.287	0.128		0.415	No
	Left Tilt	0.156	0.173		0.329	No
	Right Touch	0.346	0.130		0.476	No
	Right Tilt	0.206	0.111		0.317	No
Head (voice)	Left Touch	0.287		0.187	0.474	No
	Left Tilt	0.156		0.179	0.335	No
	Right Touch	0.346		0.171	0.517	No
	Right Tilt	0.206		0.158	0.364	No
Body-worn (voice)	Rear	0.377	0.435		0.812	No
		0.377		0.151	0.528	No
	Front	0.400	0.113		0.513	No
		0.400		0.192	0.592	No
Body-worn (Data)	Rear	0.445		0.151	0.596	No
		0.445	0.435		0.880	No
	Front	0.466		0.192	0.658	No
		0.466	0.113		0.579	No
Body-worn (Hotspot)	Edge 2	0.283	0.098		0.381	No
	Edge 2	0.283		0.131	0.414	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.

·SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for GSM 1900 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	WI-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.057	0.188		0.245	No
	Left Tilt	0.025	0.222		0.247	No
	Right Touch	0.074	0.159		0.233	No
	Right Tilt	0.024	0.166		0.190	No
Head (voice)	Left Touch	0.057		0.167	0.224	No
	Left Tilt	0.025		0.167	0.192	No
	Right Touch	0.074		0.167	0.241	No
	Right Tilt	0.024		0.167	0.191	No
Body-worn (voice)	Rear	0.164	0.077		0.241	No
		0.164		0.167	0.331	No
	Front	0.140	0.083		0.223	No
		0.140		0.167	0.307	No
Body-worn (Data)	Rear	0.162		0.167	0.329	No
		0.162	0.077		0.239	No
	Front	0.123		0.167	0.290	No
		0.123	0.083		0.206	No
Body-worn (Hotspot)	Edge 2	0.099	0.076		0.175	No
	Edge 2	0.099		0.167	0.266	No

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head (voice)	Left Touch	0.057	0.138		0.195	No
	Left Tilt	0.025	0.160		0.185	No
	Right Touch	0.074	0.101		0.175	No
	Right Tilt	0.024	0.116		0.140	No
Head (voice)	Left Touch	0.057		0.134	0.191	No
	Left Tilt	0.025		0.143	0.168	No
	Right Touch	0.074		0.114	0.188	No
	Right Tilt	0.024		0.139	0.163	No
Body-worn (voice)	Rear	0.164	0.154		0.318	No
		0.164		0.197	0.361	No
	Front	0.140	0.085		0.225	No
		0.140		0.092	0.232	No
Body-worn (Data)	Rear	0.162		0.197	0.359	No
		0.162	0.154		0.316	No
	Front	0.123		0.092	0.215	No
		0.123	0.085		0.208	No
Body-worn (Hotspot)	Edge 2	0.099	0.124		0.223	No
	Edge 2	0.099		0.120	0.219	No

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head (voice)	Left Touch	0.057	0.128		0.185	No
	Left Tilt	0.025	0.173		0.198	No
	Right Touch	0.074	0.130		0.204	No
	Right Tilt	0.024	0.111		0.135	No
Head (voice)	Left Touch	0.057		0.187	0.244	No
	Left Tilt	0.025		0.179	0.204	No
	Right Touch	0.074		0.171	0.245	No
	Right Tilt	0.024		0.158	0.182	No
Body-worn (voice)	Rear	0.164	0.435		0.599	No
		0.164		0.151	0.315	No
	Front	0.140	0.113		0.253	No
		0.140		0.192	0.332	No
Body-worn (Data)	Rear	0.162		0.151	0.313	No
		0.162	0.435		0.597	No
	Front	0.123		0.192	0.315	No
		0.123	0.113		0.236	No
Body-worn (Hotspot)	Edge 2	0.099	0.098		0.197	No
	Edge 2	0.099		0.131	0.230	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is "The SAR to Peak Location Separation Ratio "

Sum of the SAR for WCDMA Band II &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.148	0.188		0.336	No
	Left Tilt	0.053	0.222		0.275	No
	Right Touch	0.158	0.159		0.317	No
	Right Tilt	0.050	0.166		0.216	No
Head	Left Touch	0.148		0.167	0.315	No
	Left Tilt	0.053		0.167	0.220	No
	Right Touch	0.158		0.167	0.325	No
	Right Tilt	0.050		0.167	0.217	No
Body-worn	Rear	0.285	0.077		0.362	No
	Front	0.279	0.083		0.362	No
	Edge 2	0.199	0.076		0.275	No
	Rear	0.285		0.167	0.452	No
	Front	0.279		0.167	0.446	No
	Edge 2	0.199		0.167	0.366	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.148	0.138		0.286	No
	Left Tilt	0.053	0.160		0.213	No
	Right Touch	0.158	0.101		0.259	No
	Right Tilt	0.050	0.116		0.166	No
Head	Left Touch	0.148		0.134	0.282	No
	Left Tilt	0.053		0.143	0.196	No
	Right Touch	0.158		0.114	0.272	No
	Right Tilt	0.050		0.139	0.189	No
Body-worn	Rear	0.285	0.154		0.439	No
	Front	0.279	0.085		0.364	No
	Edge 2	0.199	0.124		0.323	No
	Rear	0.285		0.197	0.482	No
	Front	0.279		0.092	0.371	No
	Edge 2	0.199		0.120	0.319	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.148	0.128		0.276	No
	Left Tilt	0.053	0.173		0.226	No
	Right Touch	0.158	0.130		0.288	No
	Right Tilt	0.050	0.111		0.161	No
Head	Left Touch	0.148		0.187	0.335	No
	Left Tilt	0.053		0.179	0.232	No
	Right Touch	0.158		0.171	0.329	No
	Right Tilt	0.050		0.158	0.208	No
Body-worn	Rear	0.285	0.435		0.720	No
	Front	0.279	0.113		0.392	No
	Edge 2	0.199	0.098		0.297	No
	Rear	0.285		0.151	0.436	No
	Front	0.279		0.192	0.471	No
	Edge 2	0.199		0.131	0.330	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for WCDMA Band V &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.306	0.188		0.494	No
	Left Tilt	0.156	0.222		0.378	No
	Right Touch	0.327	0.159		0.486	No
	Right Tilt	0.188	0.166		0.354	No
Head	Left Touch	0.306		0.167	0.473	No
	Left Tilt	0.156		0.167	0.323	No
	Right Touch	0.327		0.167	0.494	No
	Right Tilt	0.188		0.167	0.355	No
Body-worn	Rear	0.427	0.077		0.504	No
	Front	0.382	0.083		0.465	No
	Edge 2	0.311	0.076		0.387	No
	Rear	0.427		0.167	0.594	No
	Front	0.382		0.167	0.549	No
	Edge 2	0.311		0.167	0.478	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.306	0.138		0.444	No
	Left Tilt	0.156	0.160		0.316	No
	Right Touch	0.327	0.101		0.428	No
	Right Tilt	0.188	0.116		0.304	No
Head	Left Touch	0.306		0.134	0.440	No
	Left Tilt	0.156		0.143	0.299	No
	Right Touch	0.327		0.114	0.441	No
	Right Tilt	0.188		0.139	0.327	No
Body-worn	Rear	0.427	0.154		0.581	No
	Front	0.382	0.085		0.467	No
	Edge 2	0.311	0.124		0.435	No
	Rear	0.427		0.197	0.624	No
	Front	0.382		0.092	0.474	No
	Edge 2	0.311		0.120	0.431	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.306	0.128		0.434	No
	Left Tilt	0.156	0.173		0.329	No
	Right Touch	0.327	0.130		0.457	No
	Right Tilt	0.188	0.111		0.299	No
Head	Left Touch	0.306		0.187	0.493	No
	Left Tilt	0.156		0.179	0.335	No
	Right Touch	0.327		0.171	0.498	No
	Right Tilt	0.188		0.158	0.346	No
Body-worn	Rear	0.427	0.435		0.862	No
	Front	0.382	0.113		0.495	No
	Edge 2	0.311	0.098		0.409	No
	Rear	0.427		0.151	0.578	No
	Front	0.382		0.192	0.574	No
	Edge 2	0.311		0.131	0.442	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 2 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.105	0.188		0.293	No
	Left Tilt	0.053	0.222		0.275	No
	Right Touch	0.153	0.159		0.312	No
	Right Tilt	0.047	0.166		0.213	No
Head	Left Touch	0.105		0.167	0.272	No
	Left Tilt	0.053		0.167	0.220	No
	Right Touch	0.153		0.167	0.320	No
	Right Tilt	0.047		0.167	0.214	No
Body-worn	Rear	0.280	0.077		0.357	No
	Front	0.312	0.083		0.395	No
	Edge 2	0.198	0.076		0.274	No
	Rear	0.280		0.167	0.447	No
	Front	0.312		0.167	0.479	No
	Edge 2	0.198		0.167	0.365	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.105	0.138		0.243	No
	Left Tilt	0.053	0.160		0.213	No
	Right Touch	0.153	0.101		0.254	No
	Right Tilt	0.047	0.116		0.163	No
Head	Left Touch	0.105		0.134	0.239	No
	Left Tilt	0.053		0.143	0.196	No
	Right Touch	0.153		0.114	0.267	No
	Right Tilt	0.047		0.139	0.186	No
Body-worn	Rear	0.280	0.154		0.434	No
	Front	0.312	0.085		0.397	No
	Edge 2	0.198	0.124		0.322	No
	Rear	0.280		0.197	0.477	No
	Front	0.312		0.092	0.404	No
	Edge 2	0.198		0.120	0.318	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.105	0.128		0.233	No
	Left Tilt	0.053	0.173		0.226	No
	Right Touch	0.153	0.130		0.283	No
	Right Tilt	0.047	0.111		0.158	No
Head	Left Touch	0.105		0.187	0.292	No
	Left Tilt	0.053		0.179	0.232	No
	Right Touch	0.153		0.171	0.324	No
	Right Tilt	0.047		0.158	0.205	No
Body-worn	Rear	0.280	0.435		0.715	No
	Front	0.312	0.113		0.425	No
	Edge 2	0.198	0.098		0.296	No
	Rear	0.280		0.151	0.431	No
	Front	0.312		0.192	0.504	No
	Edge 2	0.198		0.131	0.329	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 4 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.108	0.188		0.296	No
	Left Tilt	0.040	0.222		0.262	No
	Right Touch	0.136	0.159		0.295	No
	Right Tilt	0.068	0.166		0.234	No
Head	Left Touch	0.108		0.167	0.275	No
	Left Tilt	0.040		0.167	0.207	No
	Right Touch	0.136		0.167	0.303	No
	Right Tilt	0.068		0.167	0.235	No
Body-worn	Rear	0.473	0.077		0.550	No
	Front	0.251	0.083		0.334	No
	Edge 2	0.200	0.076		0.276	No
	Rear	0.473		0.167	0.640	No
	Front	0.251		0.167	0.418	No
	Edge 2	0.200		0.167	0.367	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.108	0.138		0.246	No
	Left Tilt	0.040	0.160		0.200	No
	Right Touch	0.136	0.101		0.237	No
	Right Tilt	0.068	0.116		0.184	No
Head	Left Touch	0.108		0.134	0.242	No
	Left Tilt	0.040		0.143	0.183	No
	Right Touch	0.136		0.114	0.250	No
	Right Tilt	0.068		0.139	0.207	No
Body-worn	Rear	0.473	0.154		0.627	No
	Front	0.251	0.085		0.336	No
	Edge 2	0.200	0.124		0.324	No
	Rear	0.473		0.197	0.670	No
	Front	0.251		0.092	0.343	No
	Edge 2	0.200		0.120	0.320	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.108	0.128		0.236	No
	Left Tilt	0.040	0.173		0.213	No
	Right Touch	0.136	0.130		0.266	No
	Right Tilt	0.068	0.111		0.179	No
Head	Left Touch	0.108		0.187	0.295	No
	Left Tilt	0.040		0.179	0.219	No
	Right Touch	0.136		0.171	0.307	No
	Right Tilt	0.068		0.158	0.226	No
Body-worn	Rear	0.473	0.435		0.908	No
	Front	0.251	0.113		0.364	No
	Edge 2	0.200	0.098		0.298	No
	Rear	0.473		0.151	0.624	No
	Front	0.251		0.192	0.443	No
	Edge 2	0.200		0.131	0.331	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 5 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.250	0.188		0.438	No
	Left Tilt	0.122	0.222		0.344	No
	Right Touch	0.277	0.159		0.436	No
	Right Tilt	0.143	0.166		0.309	No
Head	Left Touch	0.250		0.167	0.417	No
	Left Tilt	0.122		0.167	0.289	No
	Right Touch	0.277		0.167	0.444	No
	Right Tilt	0.143		0.167	0.310	No
Body-worn	Rear	0.466	0.077		0.543	No
	Front	0.338	0.083		0.421	No
	Edge 2	0.190	0.076		0.266	No
	Rear	0.466		0.167	0.633	No
	Front	0.338		0.167	0.505	No
	Edge 2	0.190		0.167	0.357	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.250	0.138		0.388	No
	Left Tilt	0.122	0.160		0.282	No
	Right Touch	0.277	0.101		0.378	No
	Right Tilt	0.143	0.116		0.259	No
Head	Left Touch	0.250		0.134	0.384	No
	Left Tilt	0.122		0.143	0.265	No
	Right Touch	0.277		0.114	0.391	No
	Right Tilt	0.143		0.139	0.282	No
Body-worn	Rear	0.466	0.154		0.620	No
	Front	0.338	0.085		0.423	No
	Edge 2	0.190	0.124		0.314	No
	Rear	0.466		0.197	0.663	No
	Front	0.338		0.092	0.430	No
	Edge 2	0.190		0.120	0.310	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.250	0.128		0.378	No
	Left Tilt	0.122	0.173		0.295	No
	Right Touch	0.277	0.130		0.407	No
	Right Tilt	0.143	0.111		0.254	No
Head	Left Touch	0.250		0.187	0.437	No
	Left Tilt	0.122		0.179	0.301	No
	Right Touch	0.277		0.171	0.448	No
	Right Tilt	0.143		0.158	0.301	No
Body-worn	Rear	0.466	0.435		0.901	No
	Front	0.338	0.113		0.451	No
	Edge 2	0.190	0.098		0.288	No
	Rear	0.466		0.151	0.617	No
	Front	0.338		0.192	0.530	No
	Edge 2	0.190		0.131	0.321	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 7 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.104	0.188		0.292	No
	Left Tilt	0.058	0.222		0.280	No
	Right Touch	0.158	0.159		0.317	No
	Right Tilt	0.041	0.166		0.207	No
Head	Left Touch	0.104		0.167	0.271	No
	Left Tilt	0.058		0.167	0.225	No
	Right Touch	0.158		0.167	0.325	No
	Right Tilt	0.041		0.167	0.208	No
Body-worn	Rear	0.684	0.077		0.761	No
	Front	0.196	0.083		0.279	No
	Edge 2	0.551	0.076		0.627	No
	Rear	0.684		0.167	0.851	No
	Front	0.196		0.167	0.363	No
	Edge 2	0.551		0.167	0.718	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.104	0.138		0.242	No
	Left Tilt	0.058	0.160		0.218	No
	Right Touch	0.158	0.101		0.259	No
	Right Tilt	0.041	0.116		0.157	No
Head	Left Touch	0.104		0.134	0.238	No
	Left Tilt	0.058		0.143	0.201	No
	Right Touch	0.158		0.114	0.272	No
	Right Tilt	0.041		0.139	0.180	No
Body-worn	Rear	0.684	0.154		0.838	No
	Front	0.196	0.085		0.281	No
	Edge 2	0.551	0.124		0.675	No
	Rear	0.684		0.197	0.881	No
	Front	0.196		0.092	0.288	No
	Edge 2	0.551		0.120	0.671	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.104	0.128		0.232	No
	Left Tilt	0.058	0.173		0.231	No
	Right Touch	0.158	0.130		0.288	No
	Right Tilt	0.041	0.111		0.152	No
Head	Left Touch	0.104		0.187	0.291	No
	Left Tilt	0.058		0.179	0.237	No
	Right Touch	0.158		0.171	0.329	No
	Right Tilt	0.041		0.158	0.199	No
Body-worn	Rear	0.684	0.435		1.119	No
	Front	0.196	0.113		0.309	No
	Edge 2	0.551	0.098		0.649	No
	Rear	0.684		0.151	0.835	No
	Front	0.196		0.192	0.388	No
	Edge 2	0.551		0.131	0.682	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 12 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.226	0.188		0.414	No
	Left Tilt	0.109	0.222		0.331	No
	Right Touch	0.295	0.159		0.454	No
	Right Tilt	0.149	0.166		0.315	No
Head	Left Touch	0.226		0.167	0.393	No
	Left Tilt	0.109		0.167	0.276	No
	Right Touch	0.295		0.167	0.462	No
	Right Tilt	0.149		0.167	0.316	No
Body-worn	Rear	0.259	0.077		0.336	No
	Front	0.217	0.083		0.300	No
	Edge 2	0.217	0.076		0.293	No
	Rear	0.259		0.167	0.426	No
	Front	0.217		0.167	0.384	No
	Edge 2	0.217		0.167	0.384	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.226	0.138		0.364	No
	Left Tilt	0.109	0.160		0.269	No
	Right Touch	0.295	0.101		0.396	No
	Right Tilt	0.149	0.116		0.265	No
Head	Left Touch	0.226		0.134	0.360	No
	Left Tilt	0.109		0.143	0.252	No
	Right Touch	0.295		0.114	0.409	No
	Right Tilt	0.149		0.139	0.288	No
Body-worn	Rear	0.259	0.154		0.413	No
	Front	0.217	0.085		0.302	No
	Edge 2	0.217	0.124		0.341	No
	Rear	0.259		0.197	0.456	No
	Front	0.217		0.092	0.309	No
	Edge 2	0.217		0.120	0.337	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.226	0.128		0.354	No
	Left Tilt	0.109	0.173		0.282	No
	Right Touch	0.295	0.130		0.425	No
	Right Tilt	0.149	0.111		0.260	No
Head	Left Touch	0.226		0.187	0.413	No
	Left Tilt	0.109		0.179	0.288	No
	Right Touch	0.295		0.171	0.466	No
	Right Tilt	0.149		0.158	0.307	No
Body-worn	Rear	0.259	0.435		0.694	No
	Front	0.217	0.113		0.330	No
	Edge 2	0.217	0.098		0.315	No
	Rear	0.259		0.151	0.410	No
	Front	0.217		0.192	0.409	No
	Edge 2	0.217		0.131	0.348	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 13 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.152	0.188		0.340	No
	Left Tilt	0.070	0.222		0.292	No
	Right Touch	0.158	0.159		0.317	No
	Right Tilt	0.081	0.166		0.247	No
Head	Left Touch	0.152		0.167	0.319	No
	Left Tilt	0.070		0.167	0.237	No
	Right Touch	0.158		0.167	0.325	No
	Right Tilt	0.081		0.167	0.248	No
Body-worn	Rear	0.196	0.077		0.273	No
	Front	0.171	0.083		0.254	No
	Edge 2	0.200	0.076		0.276	No
	Rear	0.196		0.167	0.363	No
	Front	0.171		0.167	0.338	No
	Edge 2	0.200		0.167	0.367	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.152	0.138		0.290	No
	Left Tilt	0.070	0.160		0.230	No
	Right Touch	0.158	0.101		0.259	No
	Right Tilt	0.081	0.116		0.197	No
Head	Left Touch	0.152		0.134	0.286	No
	Left Tilt	0.070		0.143	0.213	No
	Right Touch	0.158		0.114	0.272	No
	Right Tilt	0.081		0.139	0.220	No
Body-worn	Rear	0.196	0.154		0.350	No
	Front	0.171	0.085		0.256	No
	Edge 2	0.200	0.124		0.324	No
	Rear	0.196		0.197	0.393	No
	Front	0.171		0.092	0.263	No
	Edge 2	0.200		0.120	0.320	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 13	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.152	0.128		0.280	No
	Left Tilt	0.070	0.173		0.243	No
	Right Touch	0.158	0.130		0.288	No
	Right Tilt	0.081	0.111		0.192	No
Head	Left Touch	0.152		0.187	0.339	No
	Left Tilt	0.070		0.179	0.249	No
	Right Touch	0.158		0.171	0.329	No
	Right Tilt	0.081		0.158	0.239	No
Body-worn	Rear	0.196	0.435		0.631	No
	Front	0.171	0.113		0.284	No
	Edge 2	0.200	0.098		0.298	No
	Rear	0.196		0.151	0.347	No
	Front	0.171		0.192	0.363	No
	Edge 2	0.200		0.131	0.331	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 17 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.207	0.188		0.395	No
	Left Tilt	0.105	0.222		0.327	No
	Right Touch	0.271	0.159		0.430	No
	Right Tilt	0.111	0.166		0.277	No
Head	Left Touch	0.207		0.167	0.374	No
	Left Tilt	0.105		0.167	0.272	No
	Right Touch	0.271		0.167	0.438	No
	Right Tilt	0.111		0.167	0.278	No
Body-worn	Rear	0.311	0.077		0.388	No
	Front	0.175	0.083		0.258	No
	Edge 2	0.220	0.076		0.296	No
	Rear	0.311		0.167	0.478	No
	Front	0.175		0.167	0.342	No
	Edge 2	0.220		0.167	0.387	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.207	0.138		0.345	No
	Left Tilt	0.105	0.160		0.265	No
	Right Touch	0.271	0.101		0.372	No
	Right Tilt	0.111	0.116		0.227	No
Head	Left Touch	0.207		0.134	0.341	No
	Left Tilt	0.105		0.143	0.248	No
	Right Touch	0.271		0.114	0.385	No
	Right Tilt	0.111		0.139	0.250	No
Body-worn	Rear	0.311	0.154		0.465	No
	Front	0.175	0.085		0.260	No
	Edge 2	0.220	0.124		0.344	No
	Rear	0.311		0.197	0.508	No
	Front	0.175		0.092	0.267	No
	Edge 2	0.220		0.120	0.340	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.207	0.128		0.335	No
	Left Tilt	0.105	0.173		0.278	No
	Right Touch	0.271	0.130		0.401	No
	Right Tilt	0.111	0.111		0.222	No
Head	Left Touch	0.207		0.187	0.394	No
	Left Tilt	0.105		0.179	0.284	No
	Right Touch	0.271		0.171	0.442	No
	Right Tilt	0.111		0.158	0.269	No
Body-worn	Rear	0.311	0.435		0.746	No
	Front	0.175	0.113		0.288	No
	Edge 2	0.220	0.098		0.318	No
	Rear	0.311		0.151	0.462	No
	Front	0.175		0.192	0.367	No
	Edge 2	0.220		0.131	0.351	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 25 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.148	0.188		0.336	No
	Left Tilt	0.063	0.222		0.285	No
	Right Touch	0.125	0.159		0.284	No
	Right Tilt	0.048	0.166		0.214	No
Head	Left Touch	0.148		0.167	0.315	No
	Left Tilt	0.063		0.167	0.230	No
	Right Touch	0.125		0.167	0.292	No
	Right Tilt	0.048		0.167	0.215	No
Body-worn	Rear	0.275	0.077		0.352	No
	Front	0.260	0.083		0.343	No
	Edge 2	0.196	0.076		0.272	No
	Rear	0.275		0.167	0.442	No
	Front	0.260		0.167	0.427	No
	Edge 2	0.196		0.167	0.363	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.148	0.138		0.286	No
	Left Tilt	0.063	0.160		0.223	No
	Right Touch	0.125	0.101		0.226	No
	Right Tilt	0.048	0.116		0.164	No
Head	Left Touch	0.148		0.134	0.282	No
	Left Tilt	0.063		0.143	0.206	No
	Right Touch	0.125		0.114	0.239	No
	Right Tilt	0.048		0.139	0.187	No
Body-worn	Rear	0.275	0.154		0.429	No
	Front	0.260	0.085		0.345	No
	Edge 2	0.196	0.124		0.320	No
	Rear	0.275		0.197	0.472	No
	Front	0.260		0.092	0.352	No
	Edge 2	0.196		0.120	0.316	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 25	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.148	0.128		0.276	No
	Left Tilt	0.063	0.173		0.236	No
	Right Touch	0.125	0.130		0.255	No
	Right Tilt	0.048	0.111		0.159	No
Head	Left Touch	0.148		0.187	0.335	No
	Left Tilt	0.063		0.179	0.242	No
	Right Touch	0.125		0.171	0.296	No
	Right Tilt	0.048		0.158	0.206	No
Body-worn	Rear	0.275	0.435		0.710	No
	Front	0.260	0.113		0.373	No
	Edge 2	0.196	0.098		0.294	No
	Rear	0.275		0.151	0.426	No
	Front	0.260		0.192	0.452	No
	Edge 2	0.196		0.131	0.327	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 26(824-849MHz) &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26(824-849MHz)	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.287	0.188		0.475	No
	Left Tilt	0.126	0.222		0.348	No
	Right Touch	0.264	0.159		0.423	No
	Right Tilt	0.166	0.166		0.332	No
Head	Left Touch	0.287		0.167	0.454	No
	Left Tilt	0.126		0.167	0.293	No
	Right Touch	0.264		0.167	0.431	No
	Right Tilt	0.166		0.167	0.333	No
Body-worn	Rear	0.486	0.077		0.563	No
	Front	0.345	0.083		0.428	No
	Edge 2	0.248	0.076		0.324	No
	Rear	0.486		0.167	0.653	No
	Front	0.345		0.167	0.512	No
	Edge 2	0.248		0.167	0.415	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26(824-849MHz)	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.287	0.138		0.425	No
	Left Tilt	0.126	0.160		0.286	No
	Right Touch	0.264	0.101		0.365	No
	Right Tilt	0.166	0.116		0.282	No
Head	Left Touch	0.287		0.134	0.421	No
	Left Tilt	0.126		0.143	0.269	No
	Right Touch	0.264		0.114	0.378	No
	Right Tilt	0.166		0.139	0.305	No
Body-worn	Rear	0.486	0.154		0.640	No
	Front	0.345	0.085		0.430	No
	Edge 2	0.248	0.124		0.372	No
	Rear	0.486		0.197	0.683	No
	Front	0.345		0.092	0.437	No
	Edge 2	0.248		0.120	0.368	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26(824-849MHz)	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.287	0.128		0.415	No
	Left Tilt	0.126	0.173		0.299	No
	Right Touch	0.264	0.130		0.394	No
	Right Tilt	0.166	0.111		0.277	No
Head	Left Touch	0.287		0.187	0.474	No
	Left Tilt	0.126		0.179	0.305	No
	Right Touch	0.264		0.171	0.435	No
	Right Tilt	0.166		0.158	0.324	No
Body-worn	Rear	0.486	0.435		0.921	No
	Front	0.345	0.113		0.458	No
	Edge 2	0.248	0.098		0.346	No
	Rear	0.486		0.151	0.637	No
	Front	0.345		0.192	0.537	No
	Edge 2	0.248		0.131	0.379	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 26(814-824MHz) &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26(814-824MHz)	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.208	0.188		0.396	No
	Left Tilt	0.095	0.222		0.317	No
	Right Touch	0.206	0.159		0.365	No
	Right Tilt	0.111	0.166		0.277	No
Head	Left Touch	0.208		0.167	0.375	No
	Left Tilt	0.095		0.167	0.262	No
	Right Touch	0.206		0.167	0.373	No
	Right Tilt	0.111		0.167	0.278	No
Body-worn	Rear	0.323	0.077		0.400	No
	Front	0.258	0.083		0.341	No
	Edge 2	0.166	0.076		0.242	No
	Rear	0.323		0.167	0.490	No
	Front	0.258		0.167	0.425	No
	Edge 2	0.166		0.167	0.333	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26(814-824MHz)	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.208	0.138		0.346	No
	Left Tilt	0.095	0.160		0.255	No
	Right Touch	0.206	0.101		0.307	No
	Right Tilt	0.111	0.116		0.227	No
Head	Left Touch	0.208		0.134	0.342	No
	Left Tilt	0.095		0.143	0.238	No
	Right Touch	0.206		0.114	0.320	No
	Right Tilt	0.111		0.139	0.250	No
Body-worn	Rear	0.323	0.154		0.477	No
	Front	0.258	0.085		0.343	No
	Edge 2	0.166	0.124		0.290	No
	Rear	0.323		0.197	0.520	No
	Front	0.258		0.092	0.350	No
	Edge 2	0.166		0.120	0.286	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 26(814-824MHz)	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.208	0.128		0.336	No
	Left Tilt	0.095	0.173		0.268	No
	Right Touch	0.206	0.130		0.336	No
	Right Tilt	0.111	0.111		0.222	No
Head	Left Touch	0.208		0.187	0.395	No
	Left Tilt	0.095		0.179	0.274	No
	Right Touch	0.206		0.171	0.377	No
	Right Tilt	0.111		0.158	0.269	No
Body-worn	Rear	0.323	0.435		0.758	No
	Front	0.258	0.113		0.371	No
	Edge 2	0.166	0.098		0.264	No
	Rear	0.323		0.151	0.474	No
	Front	0.258		0.192	0.450	No
	Edge 2	0.166		0.131	0.297	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 38 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.130	0.188		0.318	No
	Left Tilt	0.073	0.222		0.295	No
	Right Touch	0.181	0.159		0.340	No
	Right Tilt	0.057	0.166		0.223	No
Head	Left Touch	0.130		0.167	0.297	No
	Left Tilt	0.073		0.167	0.240	No
	Right Touch	0.181		0.167	0.348	No
	Right Tilt	0.057		0.167	0.224	No
Body-worn	Rear	0.713	0.077		0.790	No
	Front	0.264	0.083		0.347	No
	Edge 2	0.774	0.076		0.850	No
	Rear	0.713		0.167	0.880	No
	Front	0.264		0.167	0.431	No
	Edge 2	0.774		0.167	0.941	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.130	0.138		0.268	No
	Left Tilt	0.073	0.160		0.233	No
	Right Touch	0.181	0.101		0.282	No
	Right Tilt	0.057	0.116		0.173	No
Head	Left Touch	0.130		0.134	0.264	No
	Left Tilt	0.073		0.143	0.216	No
	Right Touch	0.181		0.114	0.295	No
	Right Tilt	0.057		0.139	0.196	No
Body-worn	Rear	0.713	0.154		0.867	No
	Front	0.264	0.085		0.349	No
	Edge 2	0.774	0.124		0.898	No
	Rear	0.713		0.197	0.910	No
	Front	0.264		0.092	0.356	No
	Edge 2	0.774		0.120	0.894	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.130	0.128		0.258	No
	Left Tilt	0.073	0.173		0.246	No
	Right Touch	0.181	0.130		0.311	No
	Right Tilt	0.057	0.111		0.168	No
Head	Left Touch	0.130		0.187	0.317	No
	Left Tilt	0.073		0.179	0.252	No
	Right Touch	0.181		0.171	0.352	No
	Right Tilt	0.057		0.158	0.215	No
Body-worn	Rear	0.713	0.435		1.148	No
	Front	0.264	0.113		0.377	No
	Edge 2	0.774	0.098		0.872	No
	Rear	0.713		0.151	0.864	No
	Front	0.264		0.192	0.456	No
	Edge 2	0.774		0.131	0.905	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Lower Side &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Lower Side	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.075	0.188		0.263	No
	Left Tilt	0.030	0.222		0.252	No
	Right Touch	0.088	0.159		0.247	No
	Right Tilt	0.022	0.166		0.188	No
Head	Left Touch	0.075		0.167	0.242	No
	Left Tilt	0.030		0.167	0.197	No
	Right Touch	0.088		0.167	0.255	No
	Right Tilt	0.022		0.167	0.189	No
Body-worn	Rear	0.204	0.077		0.281	No
	Front	0.195	0.083		0.278	No
	Edge 2	0.135	0.076		0.211	No
	Rear	0.204		0.167	0.371	No
	Front	0.195		0.167	0.362	No
	Edge 2	0.135		0.167	0.302	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Lower Side	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.075	0.138		0.213	No
	Left Tilt	0.030	0.160		0.190	No
	Right Touch	0.088	0.101		0.189	No
	Right Tilt	0.022	0.116		0.138	No
Head	Left Touch	0.075		0.134	0.209	No
	Left Tilt	0.030		0.143	0.173	No
	Right Touch	0.088		0.114	0.202	No
	Right Tilt	0.022		0.139	0.161	No
Body-worn	Rear	0.204	0.154		0.358	No
	Front	0.195	0.085		0.280	No
	Edge 2	0.135	0.124		0.259	No
	Rear	0.204		0.197	0.401	No
	Front	0.195		0.092	0.287	No
	Edge 2	0.135		0.120	0.255	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Lower Side	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.075	0.128		0.203	No
	Left Tilt	0.030	0.173		0.203	No
	Right Touch	0.088	0.130		0.218	No
	Right Tilt	0.022	0.111		0.133	No
Head	Left Touch	0.075		0.187	0.262	No
	Left Tilt	0.030		0.179	0.209	No
	Right Touch	0.088		0.171	0.259	No
	Right Tilt	0.022		0.158	0.180	No
Body-worn	Rear	0.204	0.435		0.639	No
	Front	0.195	0.113		0.308	No
	Edge 2	0.135	0.098		0.233	No
	Rear	0.204		0.151	0.355	No
	Front	0.195		0.192	0.387	No
	Edge 2	0.135		0.131	0.266	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 40-Upper Side &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.055	0.188		0.243	No
	Left Tilt	0.105	0.222		0.327	No
	Right Touch	0.074	0.159		0.233	No
	Right Tilt	0.017	0.166		0.183	No
Head	Left Touch	0.055		0.167	0.222	No
	Left Tilt	0.105		0.167	0.272	No
	Right Touch	0.074		0.167	0.241	No
	Right Tilt	0.017		0.167	0.184	No
Body-worn	Rear	0.237	0.077		0.314	No
	Front	0.192	0.083		0.275	No
	Edge 2	0.147	0.076		0.223	No
	Rear	0.237		0.167	0.404	No
	Front	0.192		0.167	0.359	No
	Edge 2	0.147		0.167	0.314	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.055	0.138		0.193	No
	Left Tilt	0.105	0.160		0.265	No
	Right Touch	0.074	0.101		0.175	No
	Right Tilt	0.017	0.116		0.133	No
Head	Left Touch	0.055		0.134	0.189	No
	Left Tilt	0.105		0.143	0.248	No
	Right Touch	0.074		0.114	0.188	No
	Right Tilt	0.017		0.139	0.156	No
Body-worn	Rear	0.237	0.154		0.391	No
	Front	0.192	0.085		0.277	No
	Edge 2	0.147	0.124		0.271	No
	Rear	0.237		0.197	0.434	No
	Front	0.192		0.092	0.284	No
	Edge 2	0.147		0.120	0.267	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.055	0.128		0.183	No
	Left Tilt	0.105	0.173		0.278	No
	Right Touch	0.074	0.130		0.204	No
	Right Tilt	0.017	0.111		0.128	No
Head	Left Touch	0.055		0.187	0.242	No
	Left Tilt	0.105		0.179	0.284	No
	Right Touch	0.074		0.171	0.245	No
	Right Tilt	0.017		0.158	0.175	No
Body-worn	Rear	0.237	0.435		0.672	No
	Front	0.192	0.113		0.305	No
	Edge 2	0.147	0.098		0.245	No
	Rear	0.237		0.151	0.388	No
	Front	0.192		0.192	0.384	No
	Edge 2	0.147		0.131	0.278	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 41 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.162	0.188		0.350	No
	Left Tilt	0.087	0.222		0.309	No
	Right Touch	0.228	0.159		0.387	No
	Right Tilt	0.066	0.166		0.232	No
Head	Left Touch	0.162		0.167	0.329	No
	Left Tilt	0.087		0.167	0.254	No
	Right Touch	0.228		0.167	0.395	No
	Right Tilt	0.066		0.167	0.233	No
Body-worn	Rear	0.893	0.077		0.970	No
	Front	0.541	0.083		0.624	No
	Edge 2	1.168	0.076		1.244	No
	Rear	0.893		0.167	1.060	No
	Front	0.541		0.167	0.708	No
	Edge 2	1.168		0.167	**1.335**	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.162	0.138		0.300	No
	Left Tilt	0.087	0.160		0.247	No
	Right Touch	0.228	0.101		0.329	No
	Right Tilt	0.066	0.116		0.182	No
Head	Left Touch	0.162		0.134	0.296	No
	Left Tilt	0.087		0.143	0.230	No
	Right Touch	0.228		0.114	0.342	No
	Right Tilt	0.066		0.139	0.205	No
Body-worn	Rear	0.893	0.154		1.047	No
	Front	0.541	0.085		0.626	No
	Edge 2	1.168	0.124		1.292	No
	Rear	0.893		0.197	1.090	No
	Front	0.541		0.092	0.633	No
	Edge 2	1.168		0.120	1.288	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.162	0.128		0.290	No
	Left Tilt	0.087	0.173		0.260	No
	Right Touch	0.228	0.130		0.358	No
	Right Tilt	0.066	0.111		0.177	No
Head	Left Touch	0.162		0.187	0.349	No
	Left Tilt	0.087		0.179	0.266	No
	Right Touch	0.228		0.171	0.399	No
	Right Tilt	0.066		0.158	0.224	No
Body-worn	Rear	0.893	0.435		1.328	No
	Front	0.541	0.113		0.654	No
	Edge 2	1.168	0.098		1.266	No
	Rear	0.893		0.151	1.044	No
	Front	0.541		0.192	0.733	No
	Edge 2	1.168		0.131	1.299	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

Sum of the SAR for LTE Band 66 &Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 66	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.065	0.188		0.253	No
	Left Tilt	0.025	0.222		0.247	No
	Right Touch	0.077	0.159		0.236	No
	Right Tilt	0.025	0.166		0.191	No
Head	Left Touch	0.065		0.167	0.232	No
	Left Tilt	0.025		0.167	0.192	No
	Right Touch	0.077		0.167	0.244	No
	Right Tilt	0.025		0.167	0.192	No
Body-worn	Rear	0.218	0.077		0.295	No
	Front	0.193	0.083		0.276	No
	Edge 2	0.143	0.076		0.219	No
	Rear	0.218		0.167	0.385	No
	Front	0.193		0.167	0.360	No
	Edge 2	0.143		0.167	0.310	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	0.167
		LTE Band 66	5.2GHz WI-Fi Band	5.3GHz WI-Fi Band		
Head	Left Touch	0.065	0.138		0.203	No
	Left Tilt	0.025	0.160		0.185	No
	Right Touch	0.077	0.101		0.178	No
	Right Tilt	0.025	0.116		0.141	No
Head	Left Touch	0.065		0.134	0.199	No
	Left Tilt	0.025		0.143	0.168	No
	Right Touch	0.077		0.114	0.191	No
	Right Tilt	0.025		0.139	0.164	No
Body-worn	Rear	0.218	0.154		0.372	No
	Front	0.193	0.085		0.278	No
	Edge 2	0.143	0.124		0.267	No
	Rear	0.218		0.197	0.415	No
	Front	0.193		0.092	0.285	No
	Edge 2	0.143		0.120	0.263	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 66	5.6GHz WI-Fi Band	5.8GHz WI-Fi Band		
Head	Left Touch	0.065	0.128		0.193	No
	Left Tilt	0.025	0.173		0.198	No
	Right Touch	0.077	0.130		0.207	No
	Right Tilt	0.025	0.111		0.136	No
Head	Left Touch	0.065		0.187	0.252	No
	Left Tilt	0.025		0.179	0.204	No
	Right Touch	0.077		0.171	0.248	No
	Right Tilt	0.025		0.158	0.183	No
Body-worn	Rear	0.218	0.435		0.653	No
	Front	0.193	0.113		0.306	No
	Edge 2	0.143	0.098		0.241	No
	Rear	0.218		0.151	0.369	No
	Front	0.193		0.192	0.385	No
	Edge 2	0.143		0.131	0.274	No

Note:

·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than1.6 W/kg, SPLSR assessment is not required.
·SPLSR mean is “The SAR to Peak Location Separation Ratio “

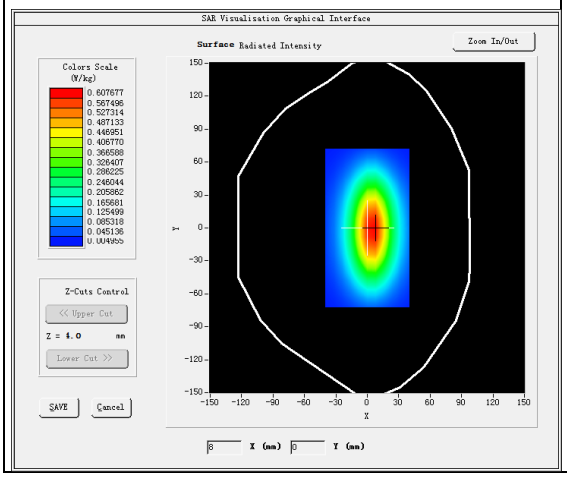
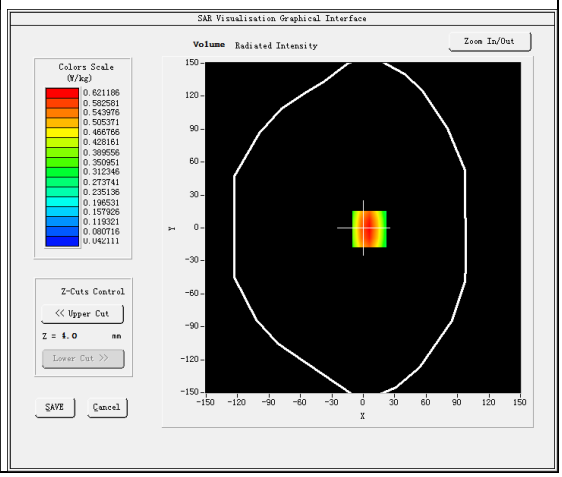
APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab **Date: Apr. 26, 2025**
System Check Head 750 MHz
DUT: Dipole 750 MHz Type: SID 750
Communication System CW; Communication System Band: D750 (750.0 MHz); Duty Cycle: 1:1; Conv.F=2.04
Frequency: 750 MHz; Medium parameters used: f = 750 MHz; σ=0.91 mho/m; εr =42.57; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃):20.6, Liquid temperature (℃): 20.4

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

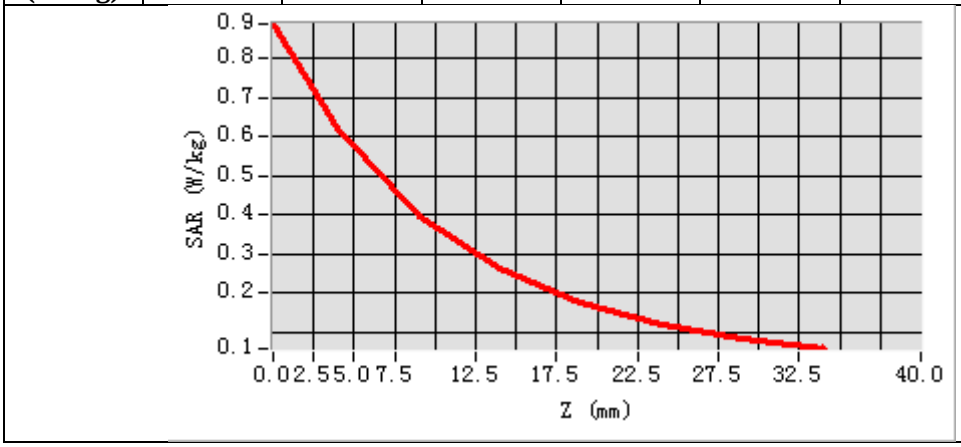
Configuration/System Check 750MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

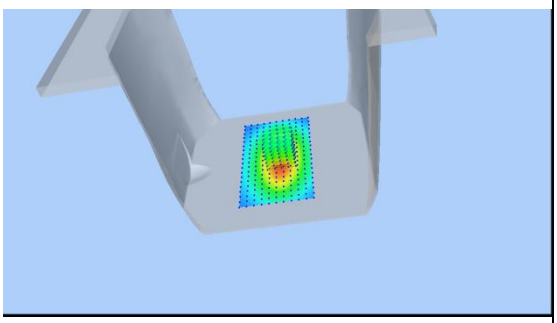
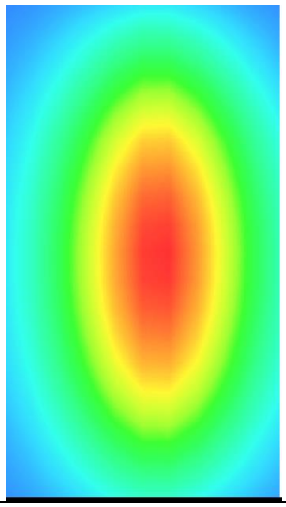
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=-1.00
SAR Peak: 0.89 W/kg

SAR 10g (W/Kg)	0.353875
SAR 1g (W/Kg)	0.552985

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8827	0.6217	0.3935	0.2638	0.1761	0.1228	0.0864



3D screen shot	Hot spot position
	

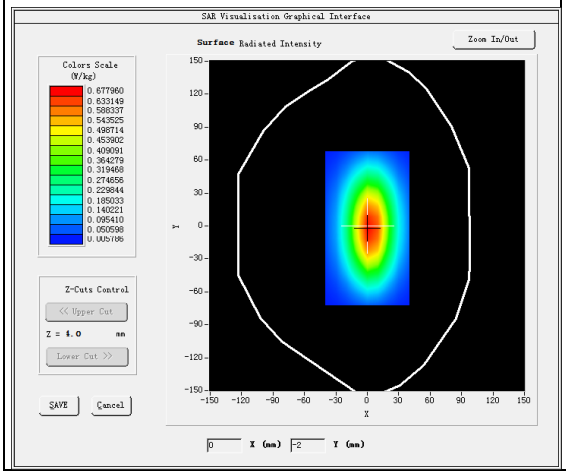
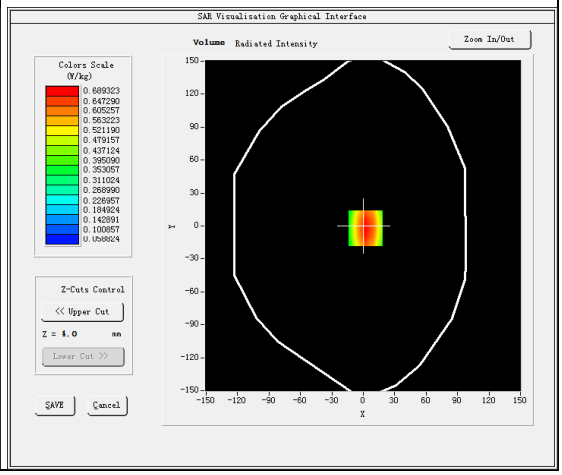
Test Laboratory: AGC Lab **Date: Apr. 27, 2025**
System Check Head 835 MHz
DUT: Dipole 835 MHz Type: SID 835
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=1.89
Frequency: 835 MHz; Medium parameters used: f = 835 MHz; σ=0.88 mho/m; εr =40.59; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

Ambient temperature (℃):21.3, Liquid temperature (℃): 21.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

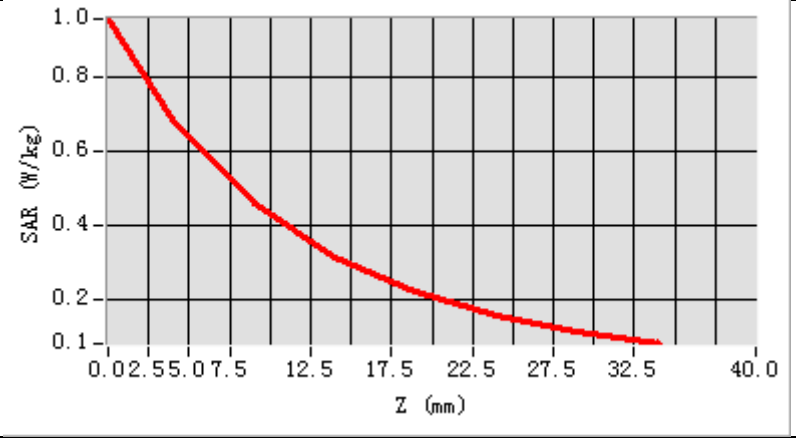
Configuration/System Check 835MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 835MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

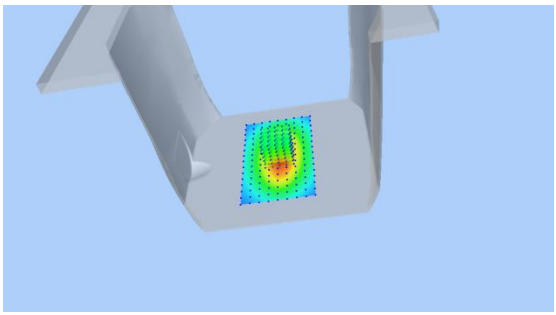
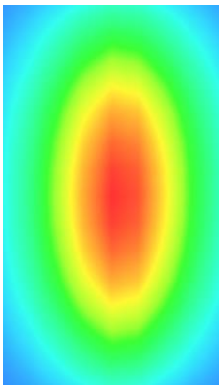
SURFACE SAR	VOLUME SAR
	

Maximum location: X=2.00, Y=-2.00
SAR Peak: 0.97 W/kg

SAR 10g (W/Kg)	0.404908
SAR 1g (W/Kg)	0.643528

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.9655	0.6872	0.4581	0.3135	0.2278	0.1547	0.1080



3D screen shot	Hot spot position
	

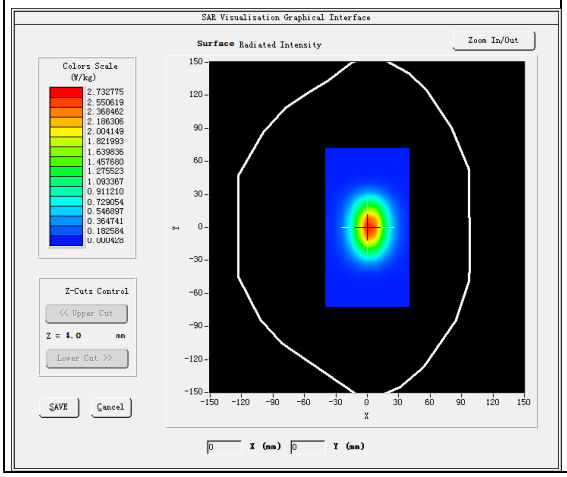
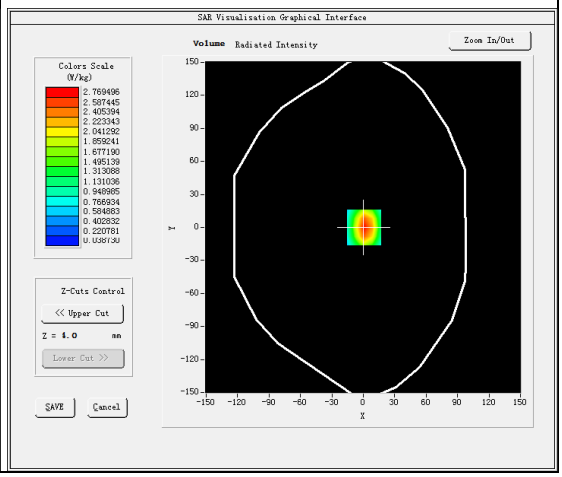
Test Laboratory: AGC Lab **Date: Apr. 13, 2025**
System Check Head 1750MHz
DUT: Dipole 1800 MHz; Type: SID 1800
Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=2.28
Frequency: 1750 MHz; Medium parameters used: f = 1750MHz; σ=1.41 mho/m; εr =41.31; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.7

SATIMO Configuration:
Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

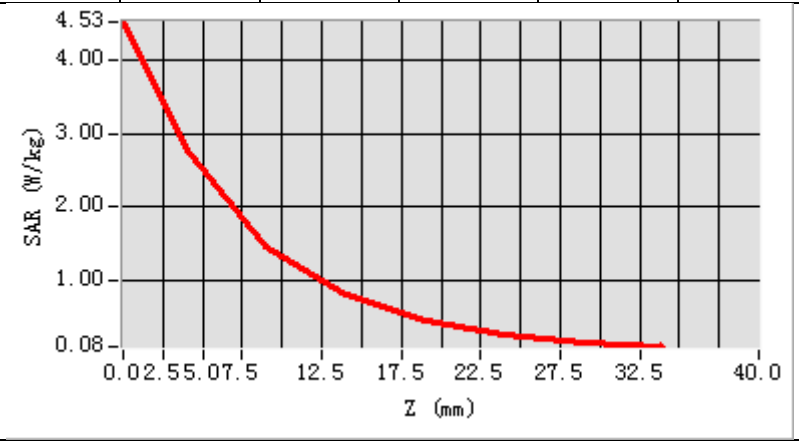
Configuration/System Check 1750MHz Head/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 1750MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

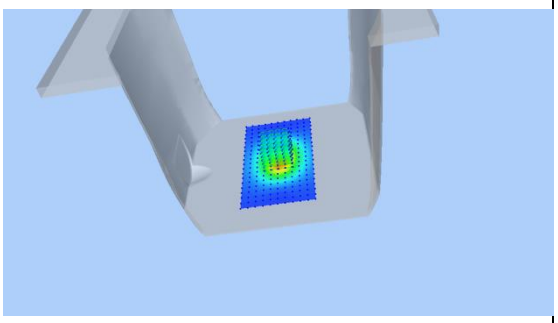
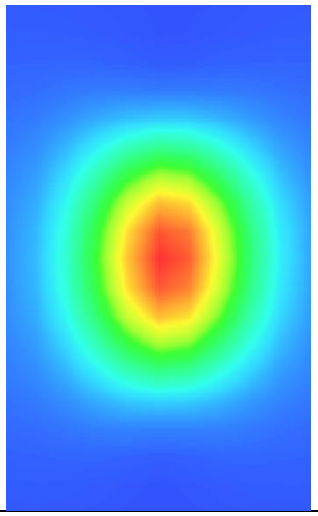
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=0.00
SAR Peak: 4.52 W/kg

SAR 10g (W/Kg)	1.327856
SAR 1g (W/Kg)	2.580127

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.5314	2.7683	1.4474	0.7936	0.4437	0.2474	0.1425



3D screen shot	Hot spot position
	

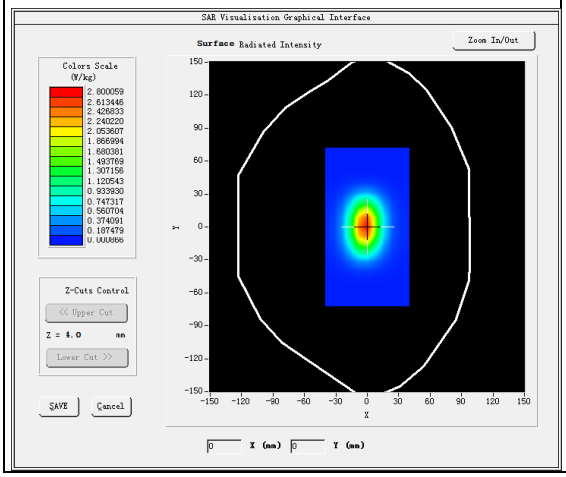
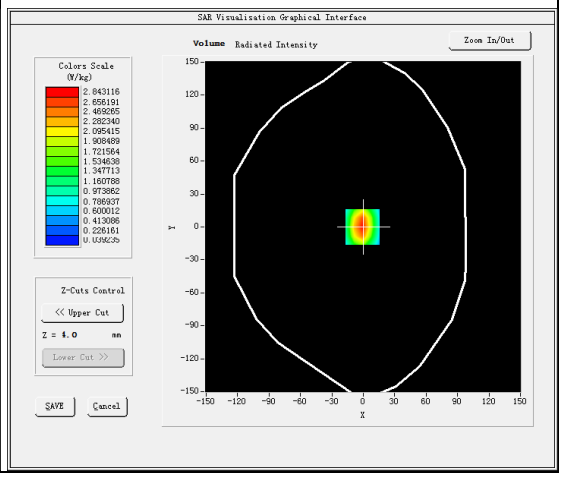
Test Laboratory: AGC Lab **Date: Apr. 23, 2025**
System Check Head 1900MHz
DUT: Dipole 1900 MHz; Type: SID 1900
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=2.08
Frequency: 1900 MHz; Medium parameters used: f = 1900 MHz; σ=1.43 mho/m; εr =41.26; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

Ambient temperature (℃):20.9, Liquid temperature (℃): 20.8

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

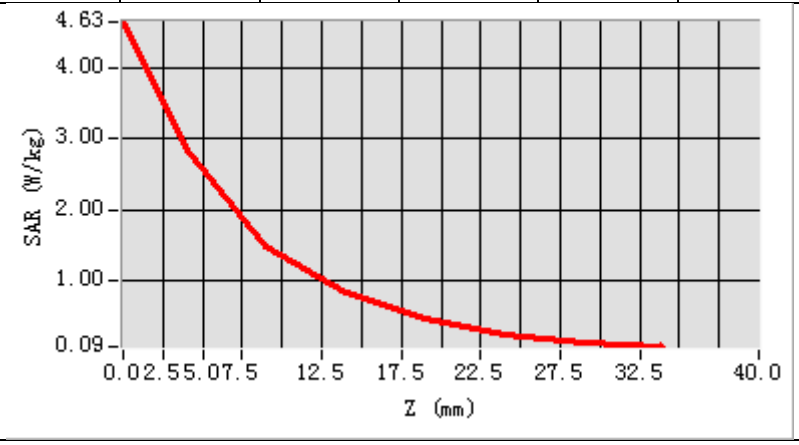
Configuration/System Check 1900MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 1900MHz Head/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm

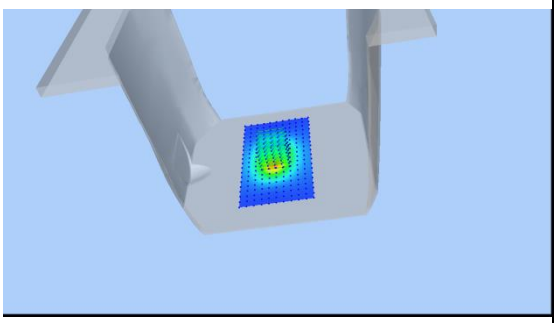
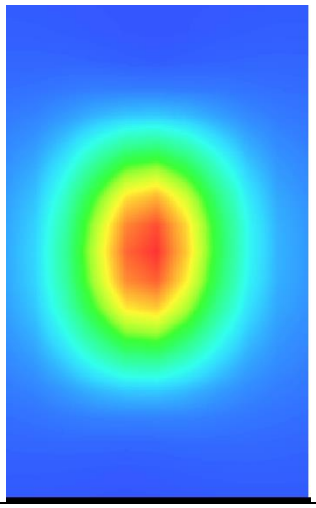
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-1.00, Y=0.00
SAR Peak: 4.62 W/kg

SAR 10g (W/Kg)	1.343268
SAR 1g (W/Kg)	2.672156

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.6335	2.8441	1.4969	0.8332	0.4657	0.2669	0.1534



3D screen shot	Hot spot position
	

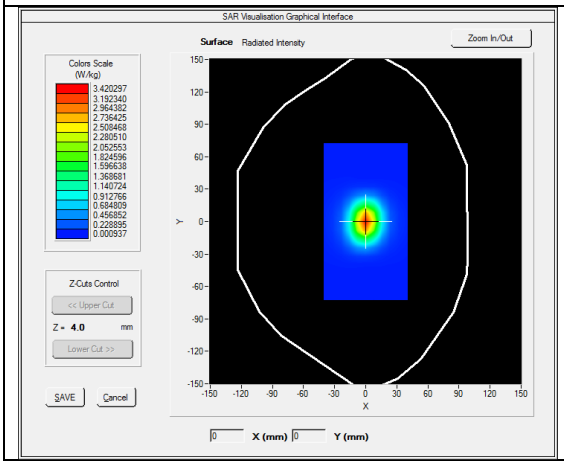
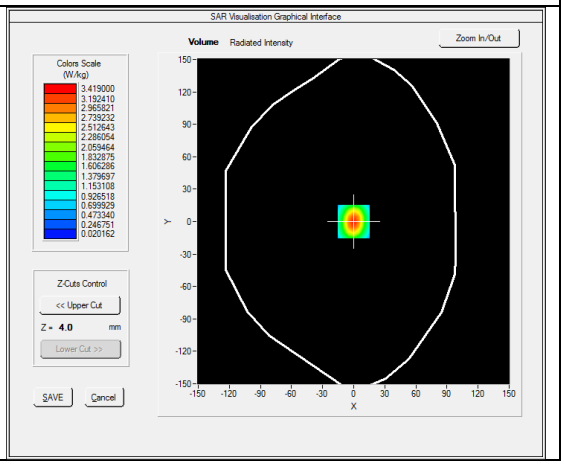
Test Laboratory: AGC Lab **Date: Apr. 25, 2025**
System Check Head 2300 MHz
DUT: Dipole 2300 MHz Type: SID 2300
Communication System CW; Communication System Band: D2300 (2300.0 MHz); Duty Cycle: 1:1; Conv.F=2.20
Frequency: 2300 MHz; Medium parameters used: f = 2300 MHz; σ=1.69 mho/m; εr =39.23; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

Ambient temperature (℃): 20.8, Liquid temperature (℃): 20.5

SATIMO Configuration

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

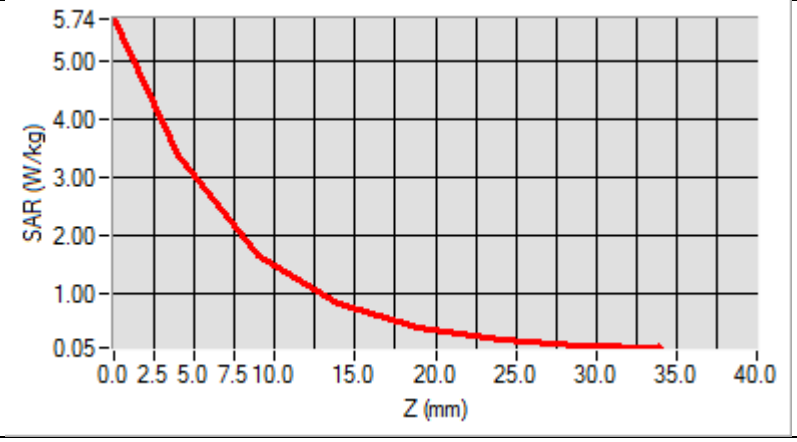
Configuration/System Check 2300MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2300MHz Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

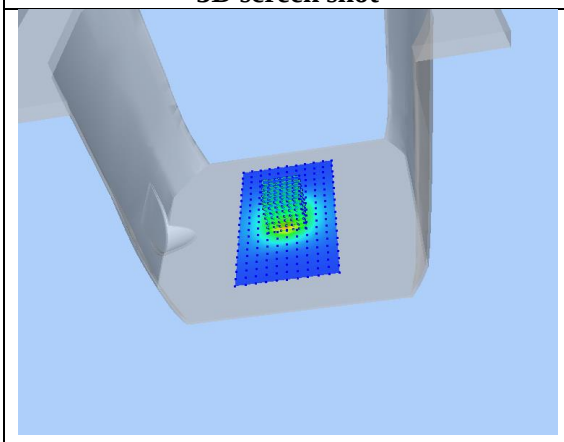
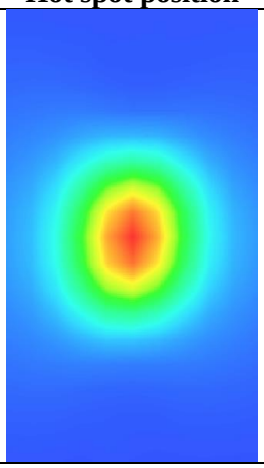
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 5.74 W/kg

SAR 10g (W/Kg)	1.435039
SAR 1g (W/Kg)	3.115127

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	5.7642	3.4115	1.6606	0.8216	0.4141	0.2030	0.1064



3D screen shot	Hot spot position
	

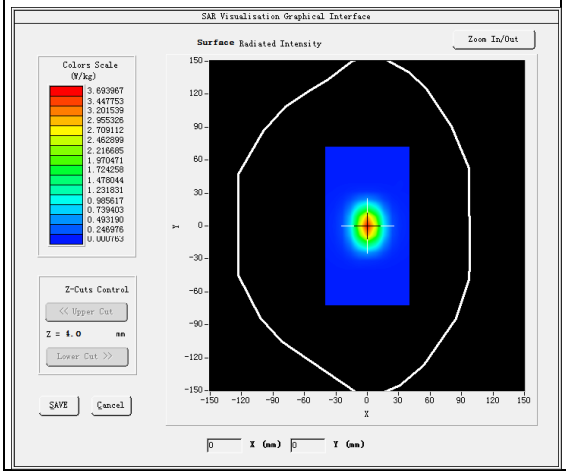
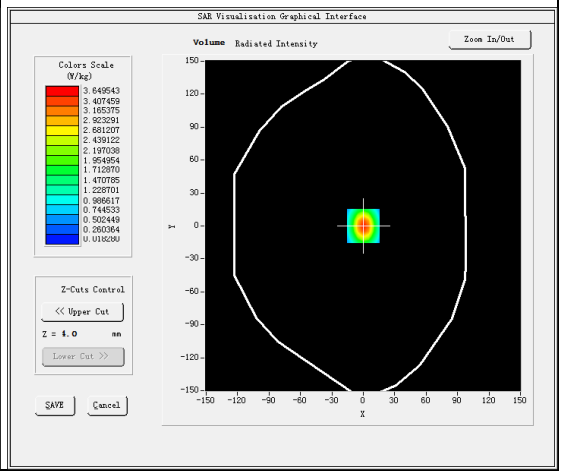
Test Laboratory: AGC Lab **Date: Apr. 24, 2025**
System Check Head 2450 MHz
DUT: Dipole 2450 MHz Type: SID 2450
Communication System CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1; Conv.F=2.16
Frequency: 2450 MHz; Medium parameters used: f = 2450 MHz; σ=1.75 mho/m; εr =40.95; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

Ambient temperature (℃):21.2, Liquid temperature (℃): 20.9

SATIMO Configuration

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

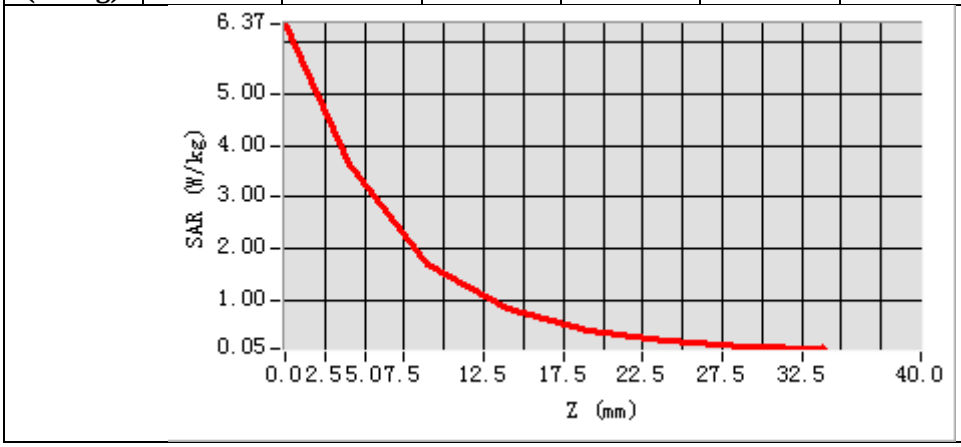
Configuration/System Check 2450MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2450MHz Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

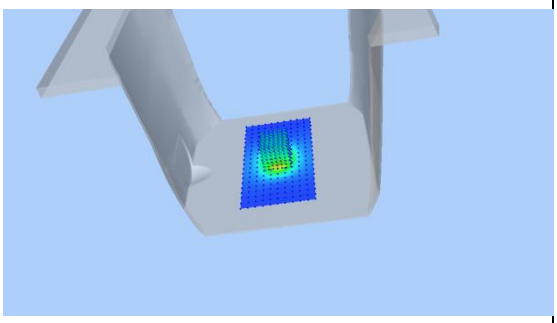
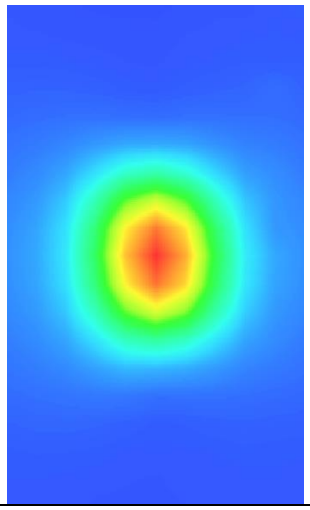
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 6.27 W/kg

SAR 10g (W/Kg)	1.494517
SAR 1g (W/Kg)	3.337029

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.3621	3.6450	1.6958	0.8144	0.3902	0.1915	0.0928



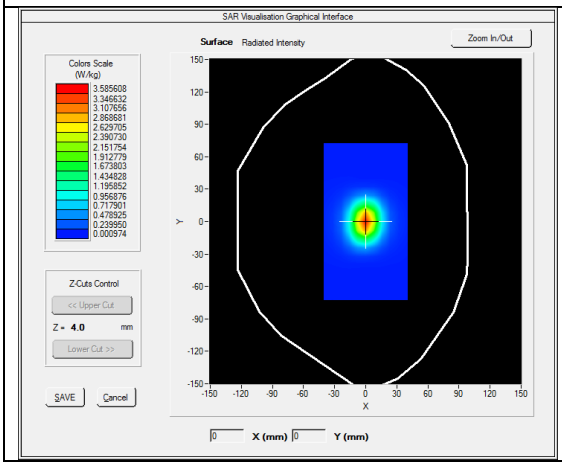
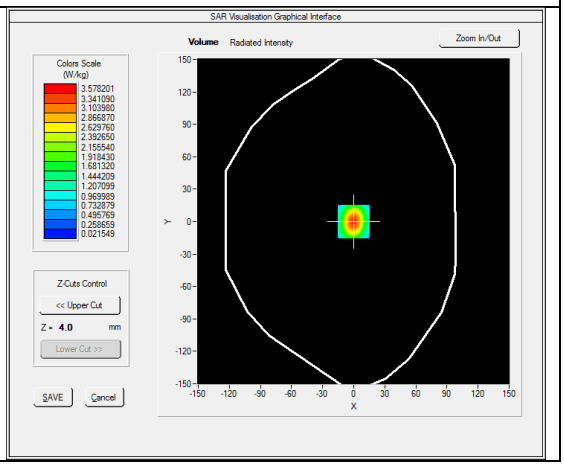
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 17, 2025**
System Check Head 2600MHz
DUT: Dipole 2600 MHz; Type: SID 2600
Communication System: CW; Communication System Band: D2600 (2600.0 MHz); Duty Cycle: 1:1; Conv.F=2.06
Frequency:2600 MHz; Medium parameters used: f = 2600 MHz; σ=1.93 mho/m; εr =38.82; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.9

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

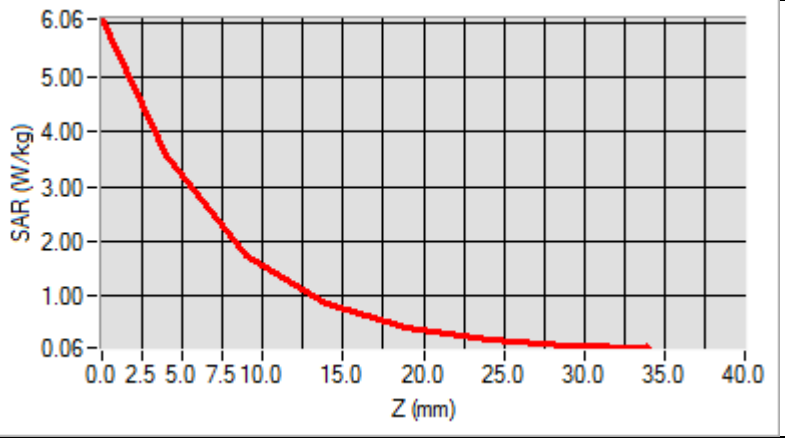
Configuration/System Check 2600 Head/Area Scan: Measurement grid: dx=8mm,dy=8mm
Configuration/System Check 2600 Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

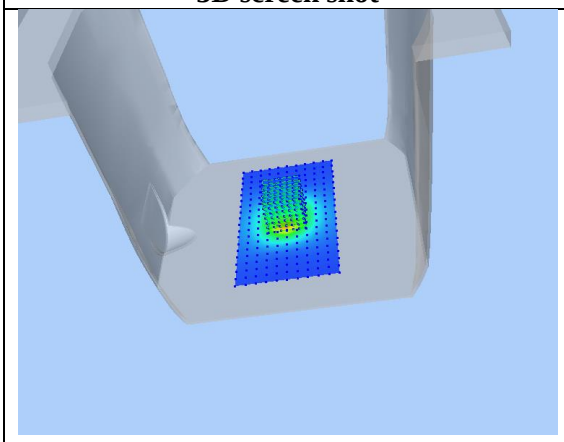
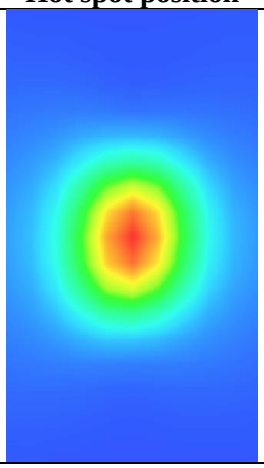
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 5.99 W/kg

SAR 10g (W/Kg)	1.516924
SAR 1g (W/Kg)	3.467236

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.0639	3.5775	1.7472	0.8654	0.4363	0.2218	0.1147



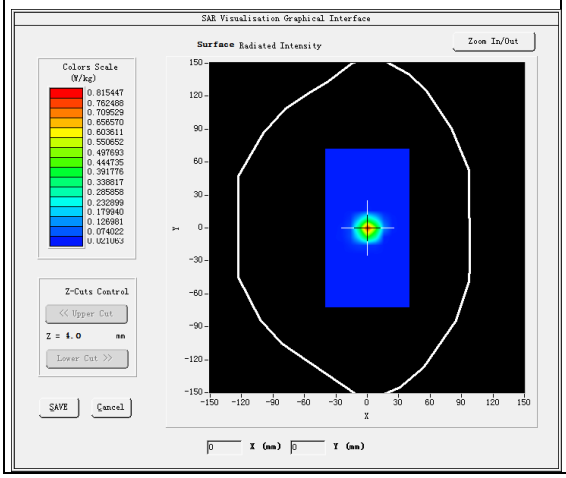
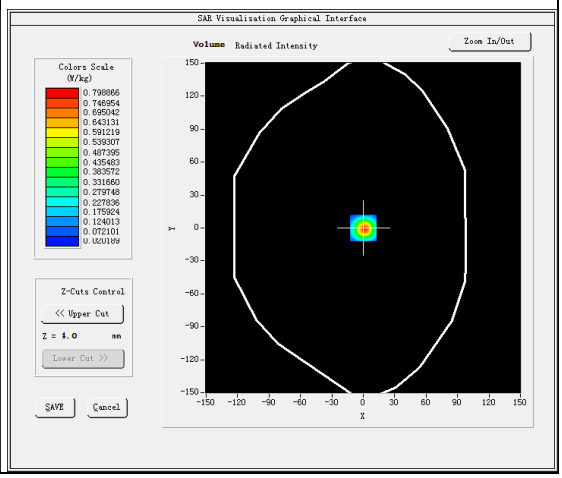
3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 20, 2025**
System Check 5200 MHz
DUT: Dipole 5000MHz Type: SID5500
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.53
Frequency: 5200 MHz; Medium parameters used: f = 5200 MHz; σ =4.53 mho/m; εr =35.68; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:
- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

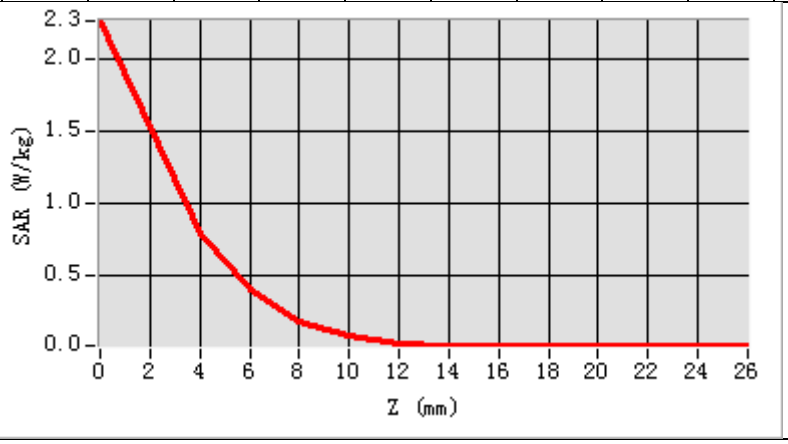
Configuration/System Check 5200 MHz Body/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5200 MHz Body/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

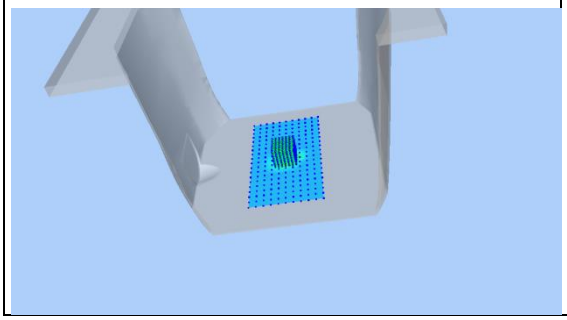
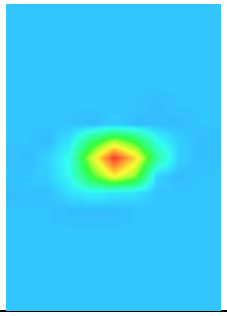
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 2.24 W/kg

SAR 10g (W/Kg)	0.213014
SAR 1g (W/Kg)	0.740209

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	2.2591	0.7970	0.4008	0.1805	0.0827	0.0348	0.0254	0.0203	0.0219	0.0211	0.0225	0.0213



3D screen shot	Hot spot position
	

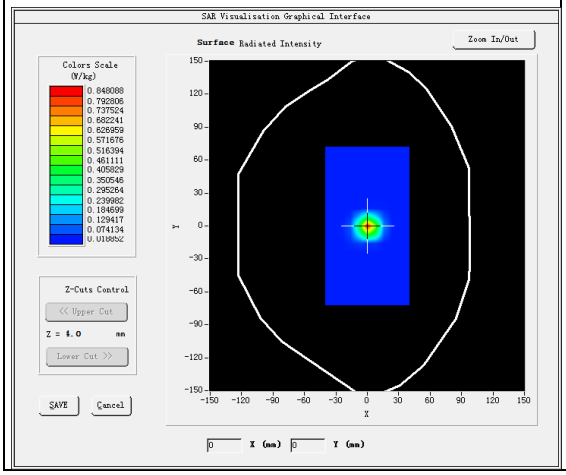
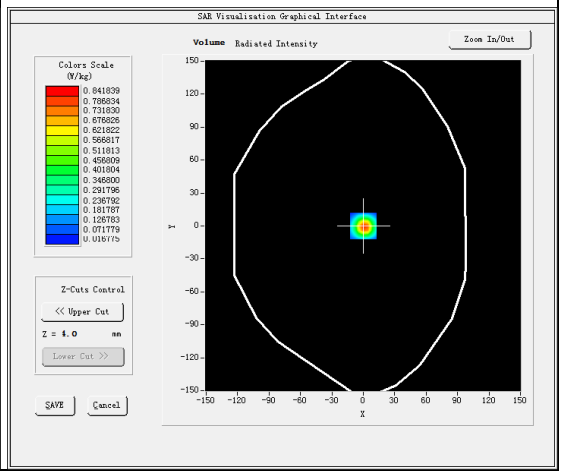
Test Laboratory: AGC Lab **Date: Apr. 19, 2025**
System Check Head 5300 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.53
Frequency: 5300 MHz; Medium parameters used: f = 5300 MHz; σ =4.94 mho/m; εr =36.28; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 21.2, Liquid temperature (℃): 21.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

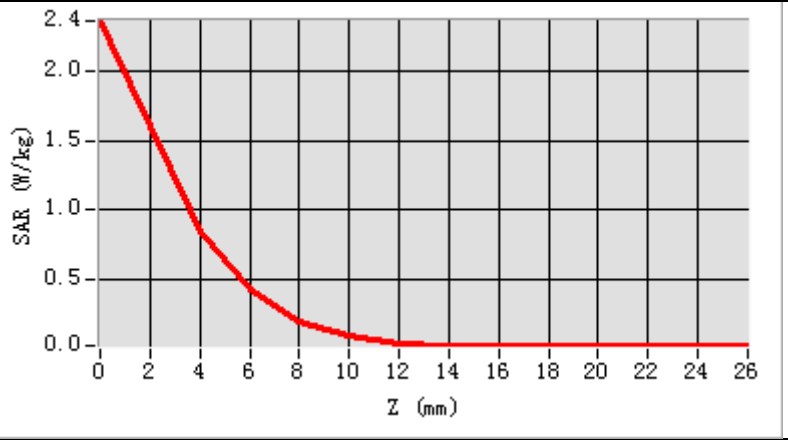
Configuration/System Check 5300 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5300 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

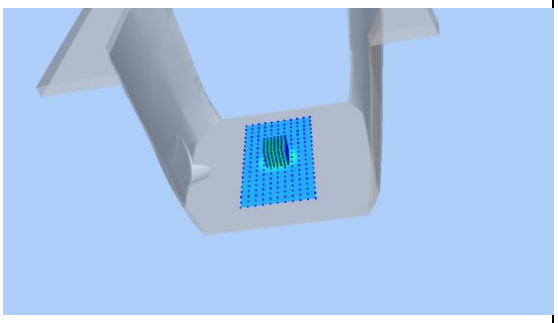
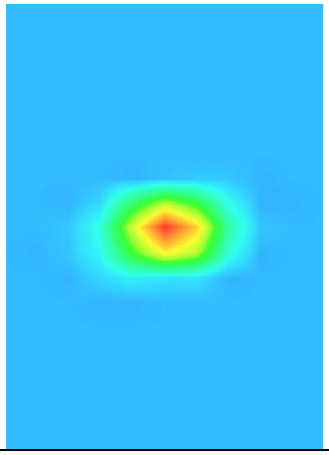
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 2.34 W/kg

SAR 10g (W/Kg)	0.224073
SAR 1g (W/Kg)	0.777834

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	2.3698	0.8431	0.4246	0.1966	0.0885	0.0347	0.0259	0.0205	0.0238	0.0230	0.0224	0.0235



3D screen shot	Hot spot position
	

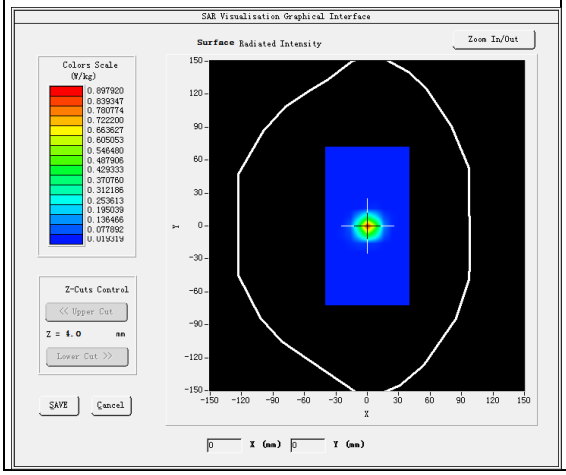
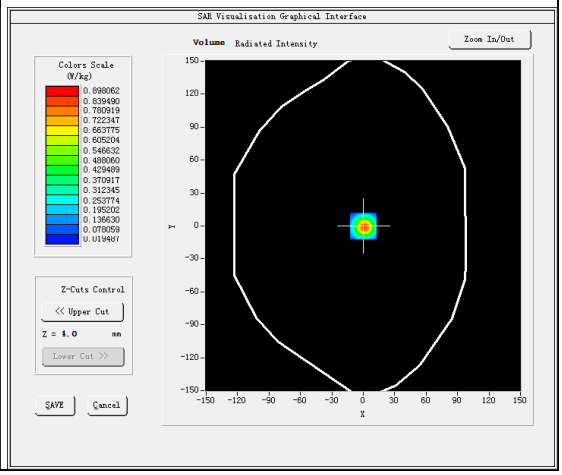
Test Laboratory: AGC Lab **Date: Apr. 21, 2025**
System Check Head 5600 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.24
Frequency: 5600 MHz; Medium parameters used: f = 5600 MHz; σ =5.17 mho/m; εr =36.31; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 21.3, Liquid temperature (℃): 21.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

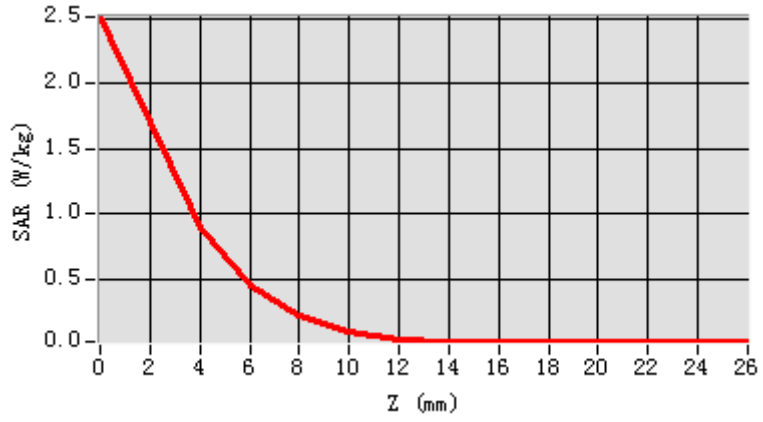
Configuration/System Check 5600 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5600 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

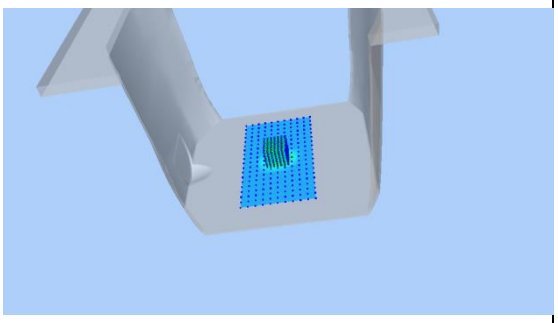
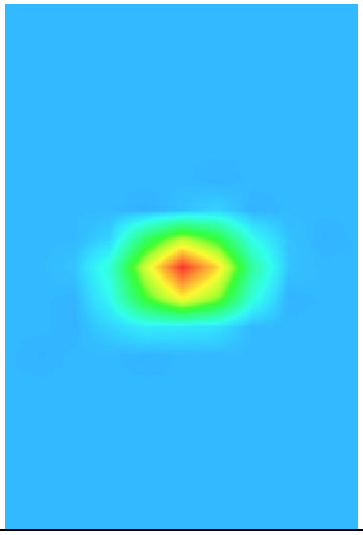
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 2.49 W/kg

SAR 10g (W/Kg)	0.232641
SAR 1g (W/Kg)	0.823469

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	2.5124	0.8966	0.4501	0.2108	0.0934	0.0358	0.0240	0.0181	0.0205	0.0209	0.0202	0.0201



3D screen shot	Hot spot position
	

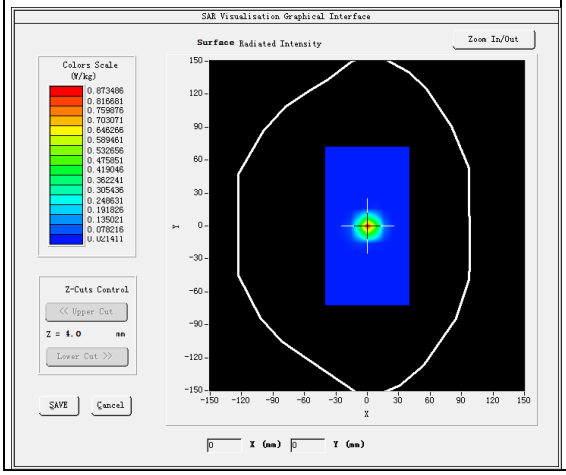
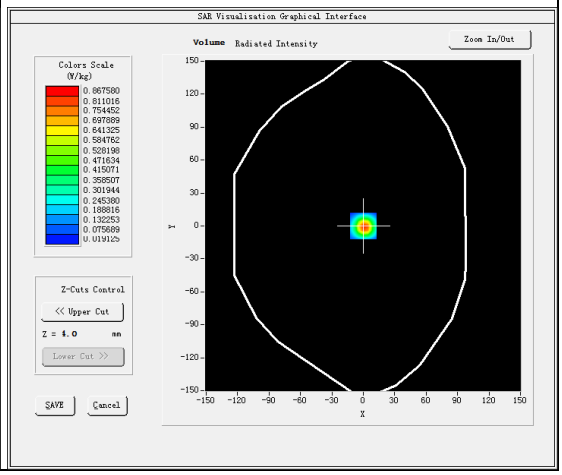
Test Laboratory: AGC Lab **Date: Apr. 22, 2025**
System Check Head 5800 MHz
DUT: Dipole 5000MHz Type: SID5800
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.37
Frequency: 5800 MHz; Medium parameters used: f = 5800 MHz; σ =5.25 mho/m; εr =35.23; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 21.6, Liquid temperature (℃): 21.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

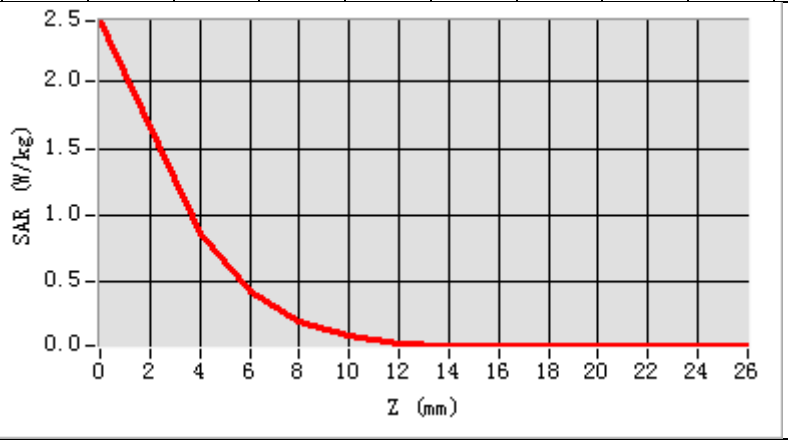
Configuration/System Check 5800 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5800 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

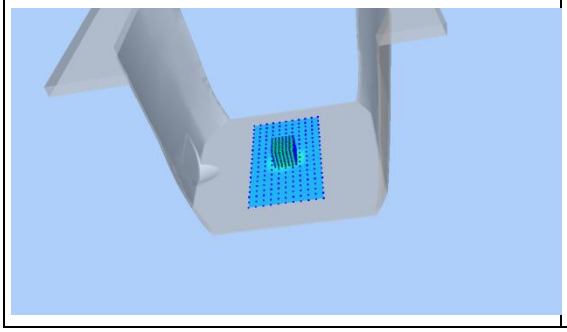
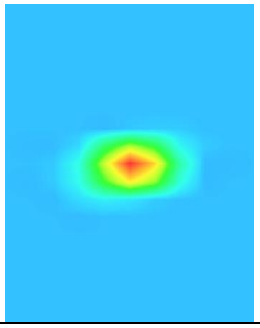
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=0.00
SAR Peak: 2.45 W/kg

SAR 10g (W/Kg)	0.234596
SAR 1g (W/Kg)	0.806501

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	2.4596	0.8688	0.4335	0.1986	0.0927	0.0370	0.0283	0.0229	0.0251	0.0255	0.0248	0.0250



3D screen shot	Hot spot position
	

APPENDIX B. SAR MEASUREMENT DATA

Test Laboratory: AGC Lab **Date: Apr. 27, 2025**
GSM 850 Mid- Touch-Right <SIM 1>
DUT: Phone; Type: W635C

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=1.89; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.90 mho/m; εr = 39.90; ρ= 1000 kg/m^3 ; Phantom section: Right Section

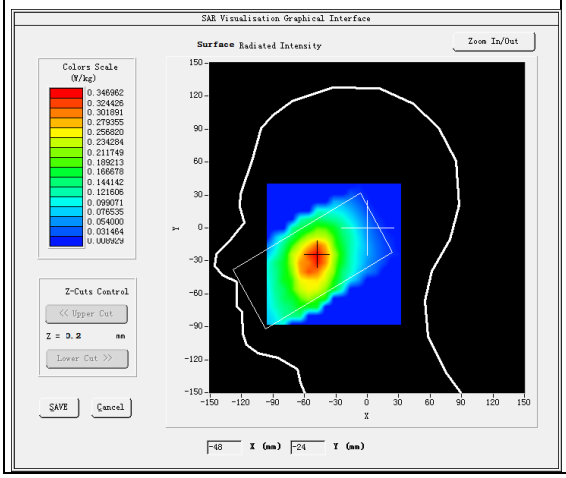
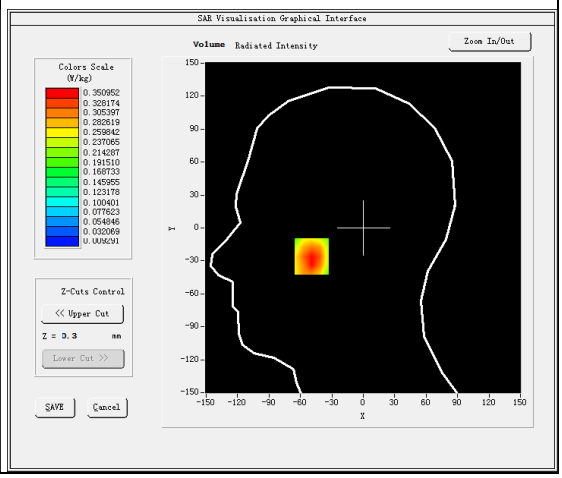
Ambient temperature (℃): 21.3, Liquid temperature (℃): 21.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/GSM 850 Mid-Touch-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GSM 850 Mid-Touch-Right/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

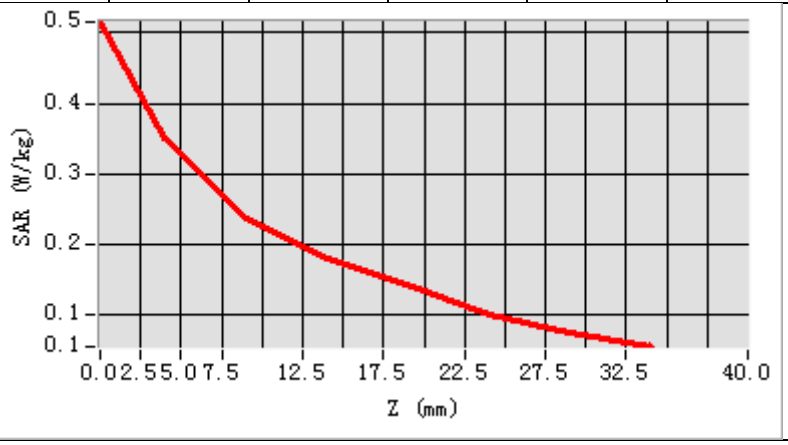
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

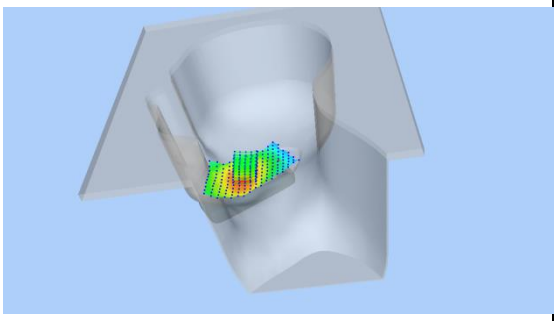
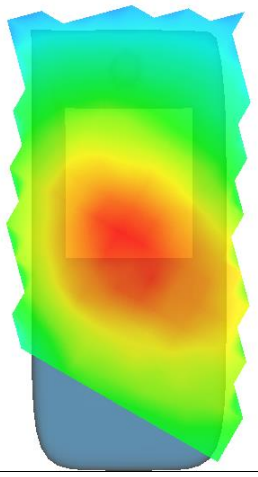
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-49.00, Y=-26.00
SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.224661
SAR 1g (W/Kg)	0.343490

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5156	0.3510	0.2356	0.1780	0.1430	0.0983	0.0732



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 27, 2025**
GSM 850 Mid- Body- Front (MS) <SIM 1>
DUT: Phone; Type: W635C

Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=1.89; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.90 mho/m; εr = 39.90; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

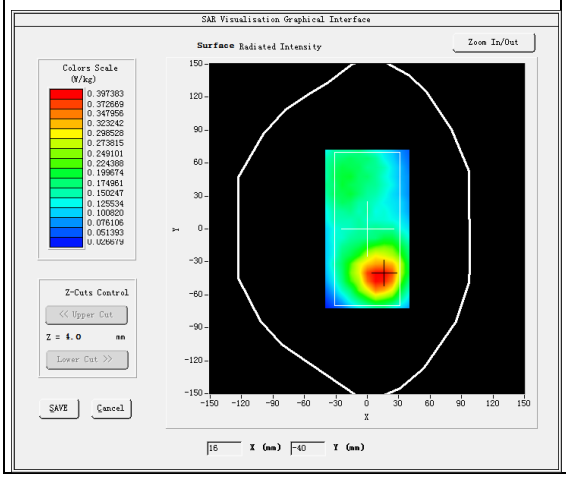
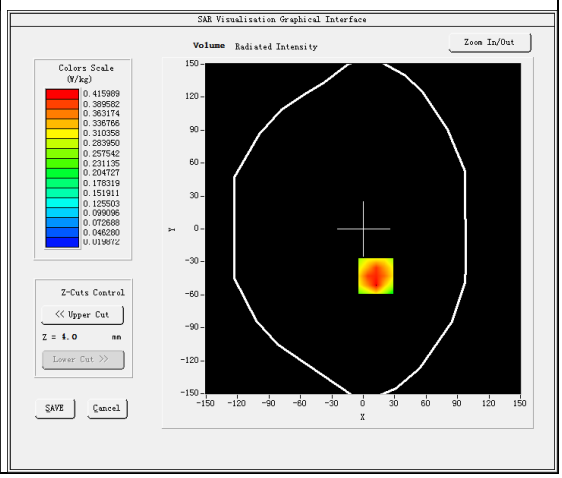
Ambient temperature (℃): 21.3, Liquid temperature (℃): 21.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/GSM 850 Mid-Body- Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GSM 850 Mid-Body- Front Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

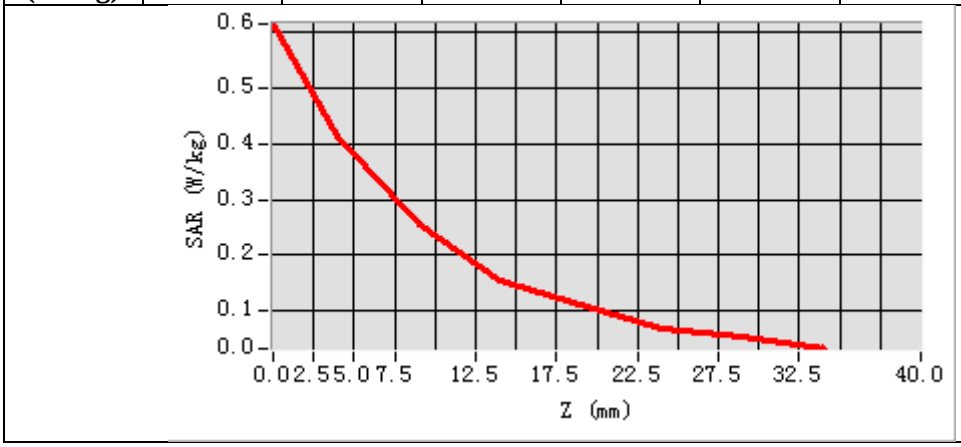
Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Front
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

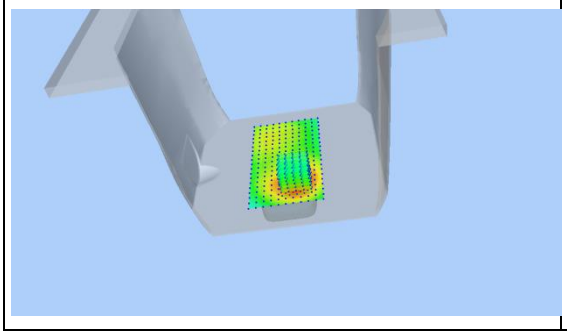
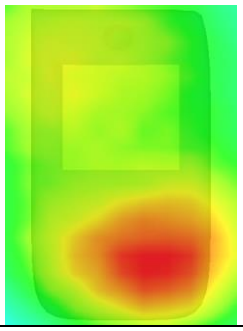
SURFACE SAR	VOLUME SAR
	

Maximum location: X=12.00, Y=-43.00
SAR Peak: 0.63 W/kg

SAR 10g (W/Kg)	0.239561
SAR 1g (W/Kg)	0.395690

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6160	0.4160	0.2558	0.1534	0.1103	0.0682	0.0524



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 27, 2025**
GPRS 850 Mid- Body- Front (2up)
DUT: Phone; Type: W635C

Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2; Conv.F=1.89; Frequency: 836.6 MHz; Medium parameters used: f = 835 MHz; σ= 0.90 mho/m; εr = 39.90; ρ= 1000 kg/m³ ; Phantom section: Flat Section

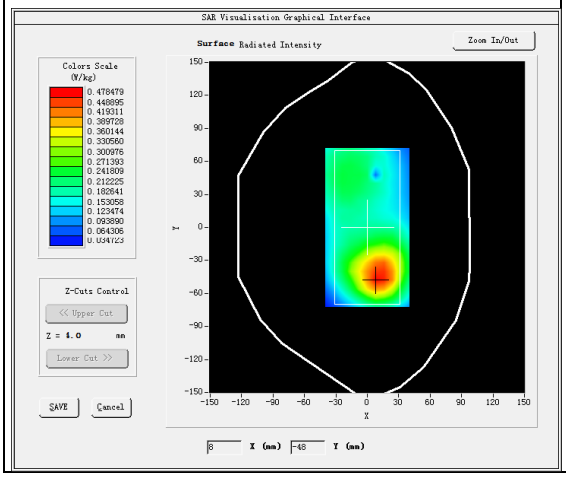
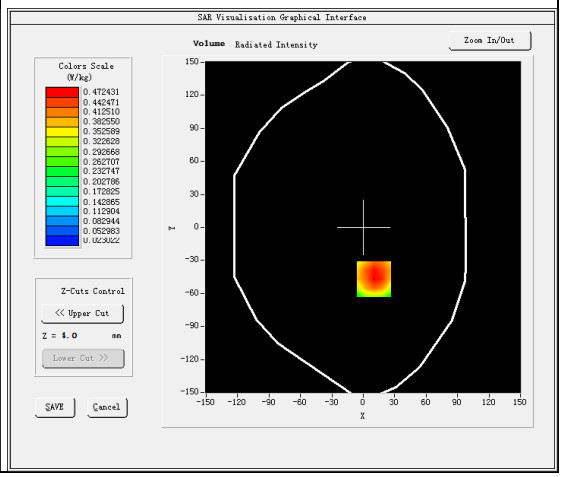
Ambient temperature (℃): 21.3, Liquid temperature (℃): 21.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/GPRS 850 Mid-Body-Front/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS 850 Mid-Body-Front/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

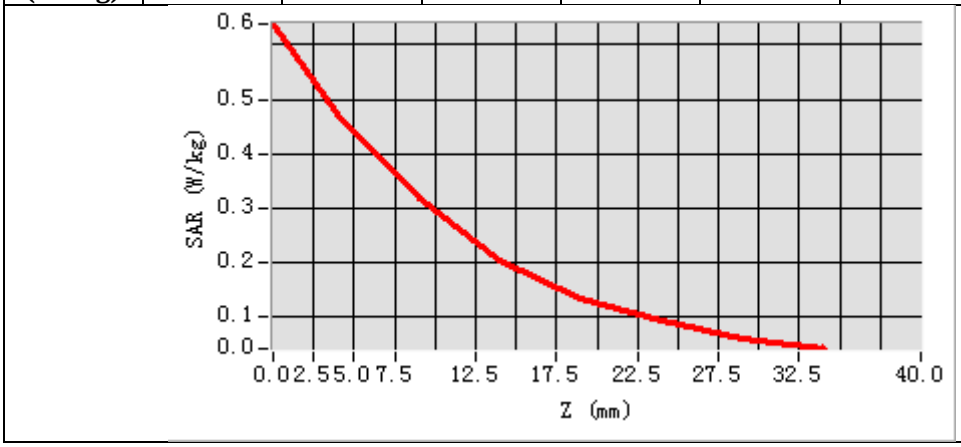
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Front
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

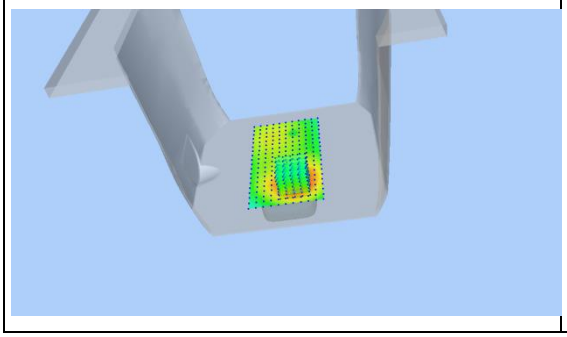
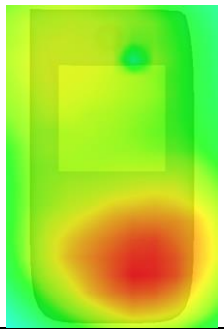
SURFACE SAR	VOLUME SAR
	

Maximum location: X=10.00, Y=-47.00
SAR Peak: 0.80 W/kg

SAR 10g (W/Kg)	0.290398
SAR 1g (W/Kg)	0.451358

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6387	0.4724	0.3178	0.2037	0.1352	0.0918	0.0614



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 23, 2025**
PCS 1900 Mid-Touch-Right <SIM 1>
DUT: Phone; Type: W635C

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=2.08; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =41.61; ρ= 1000 kg/m^3 ; Phantom section: Right Section

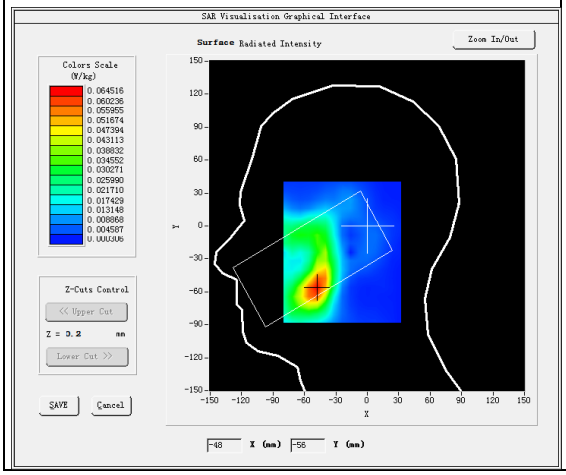
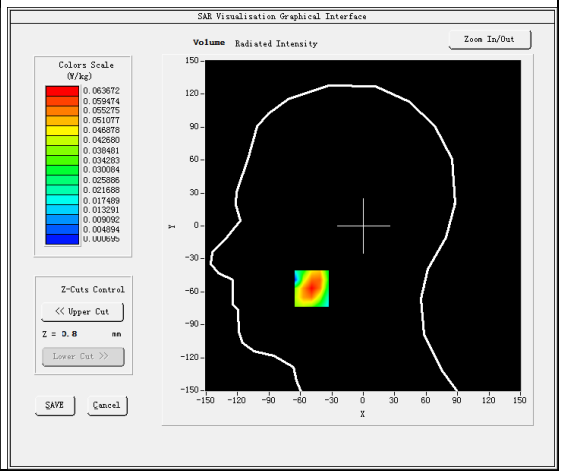
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.8

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/PCS1900 Mid-Touch-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/PCS1900 Mid-Touch-Right/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

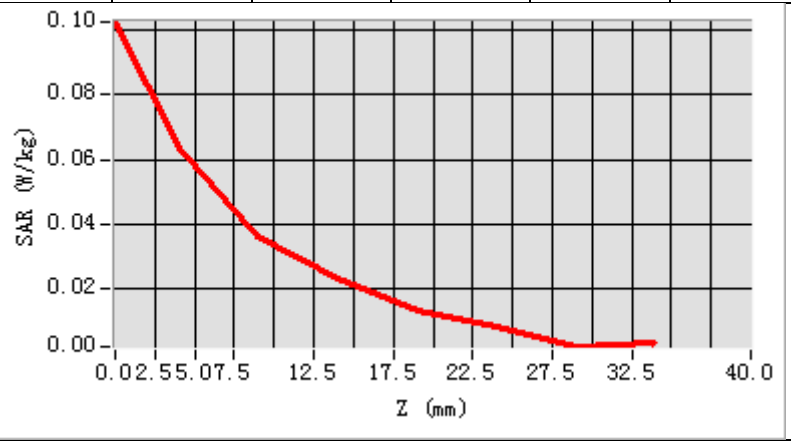
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

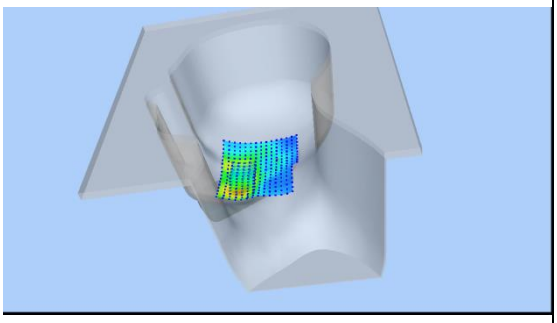
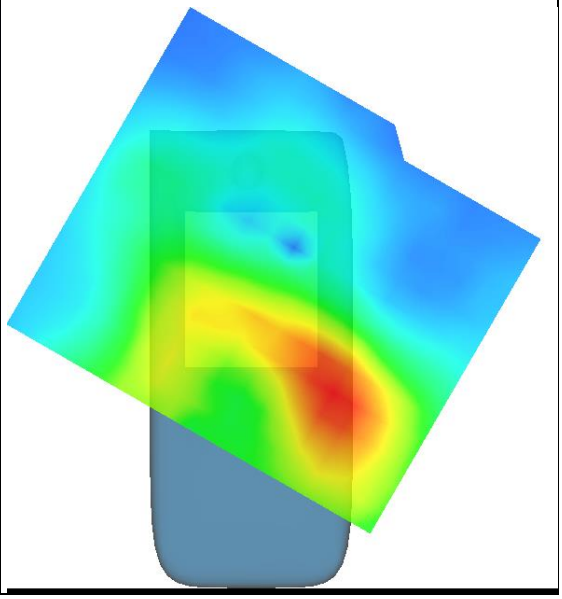
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-49.00, Y=-57.00
SAR Peak: 0.10 W/kg

SAR 10g (W/Kg)	0.033627
SAR 1g (W/Kg)	0.061864

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1023	0.0637	0.0365	0.0233	0.0134	0.0087	0.0022



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 23, 2025**
PCS 1900 Mid-Body-Back (MS)<SIM 1>
DUT: Phone; Type: W635C

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=2.08; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =41.61; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

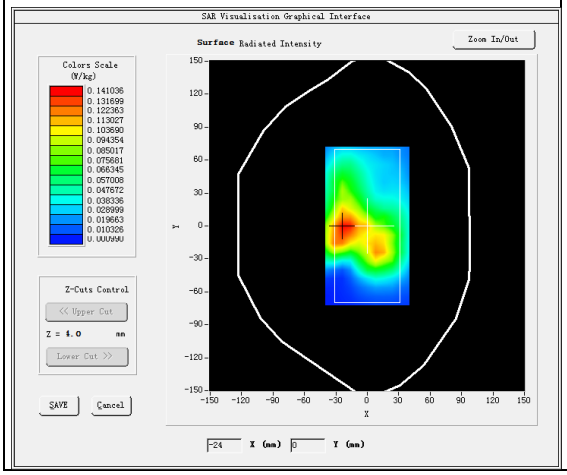
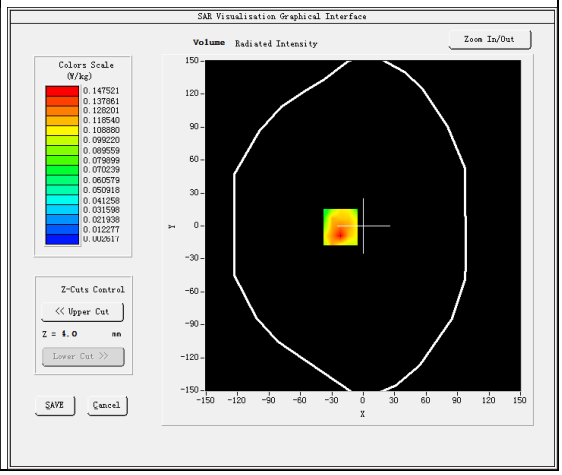
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.8

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/PCS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/PCS1900 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

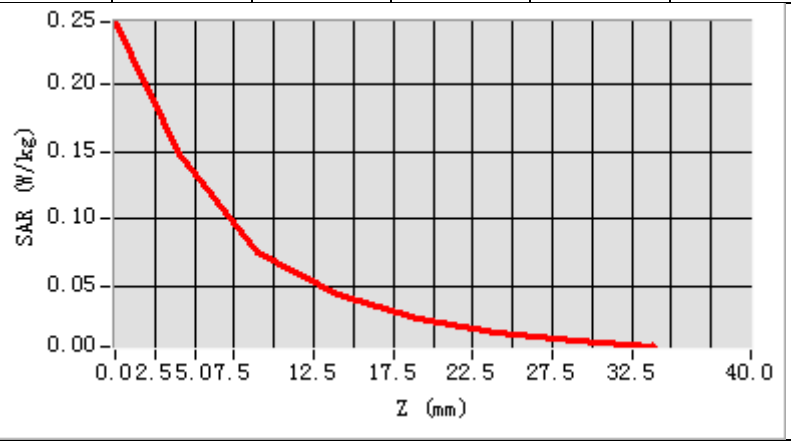
Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body Back
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 8.0)

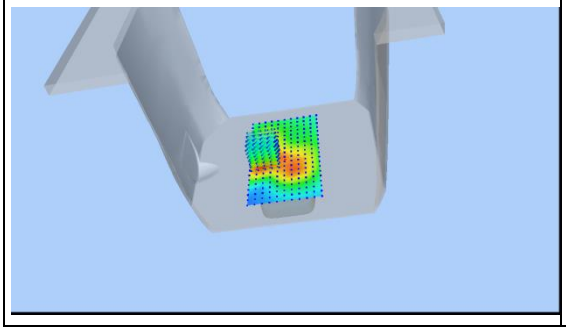
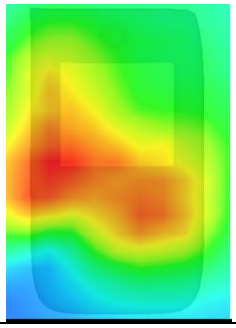
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-22.00, Y=-1.00
SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.075577
SAR 1g (W/Kg)	0.136529

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2469	0.1475	0.0754	0.0428	0.0251	0.0150	0.0090



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 23, 2025**
GPRS 1900 Mid-Edge 3(2up)
DUT: Phone; Type: W635C

Communication System: GPRS-2Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2; Conv.F=2.08; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =41.61; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

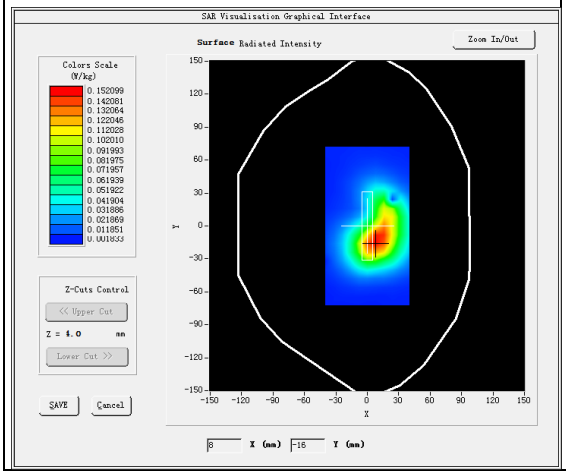
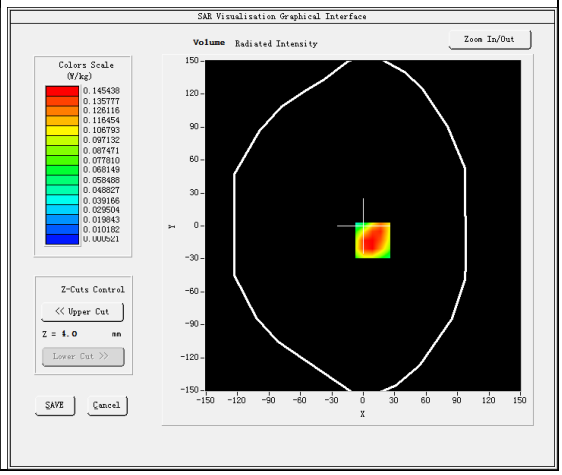
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.8

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/GPRS1900 Mid-Edge 3/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS1900 Mid-Edge 3/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

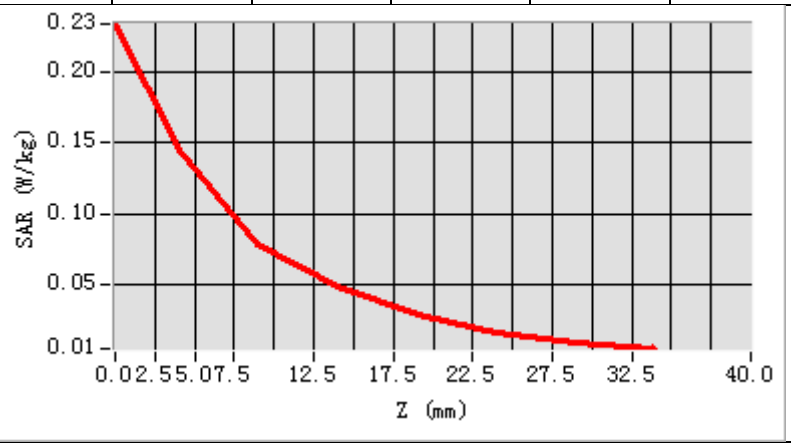
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Edge 3
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)

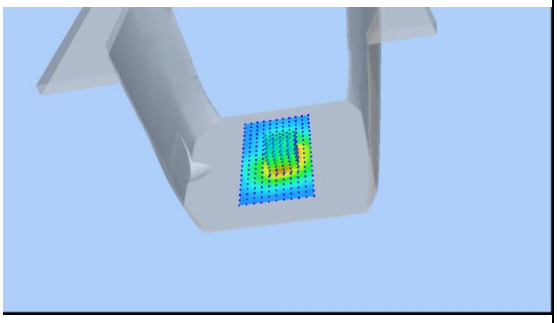
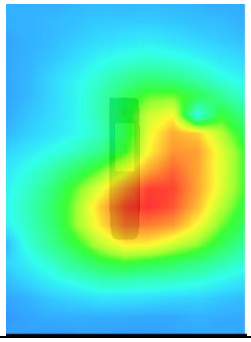
SURFACE SAR	VOLUME SAR
	

Maximum location: X=9.00, Y=-13.00
SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.079843
SAR 1g (W/Kg)	0.146949

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2340	0.1454	0.0791	0.0493	0.0286	0.0165	0.0094



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 23, 2025**
WCDMA Band II Mid-Touch-Right (RMC)
DUT: Phone; Type: W635C

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=2.08; Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =41.61; ρ= 1000 kg/m^3 ; Phantom section: Right Section

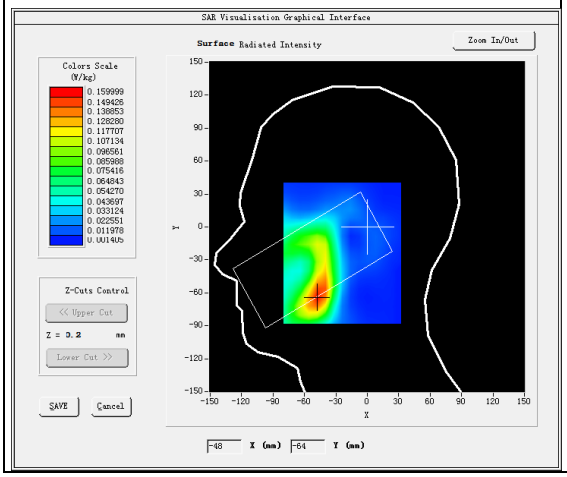
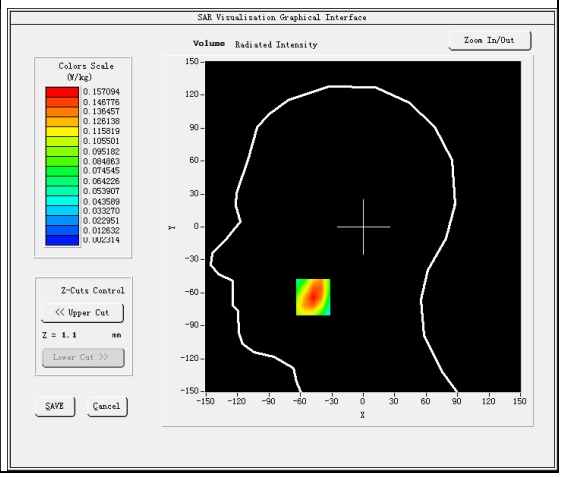
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.8

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/WCDMA band II Mid-Touch-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/WCDMA band II Mid-Touch-Right/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

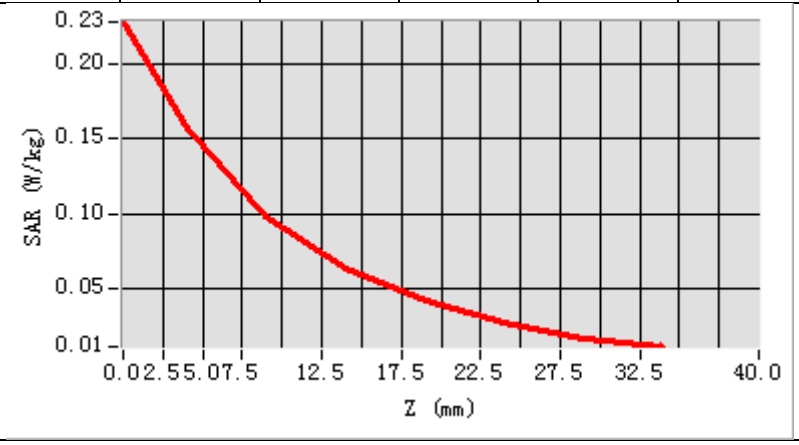
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	WCDMA band II
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

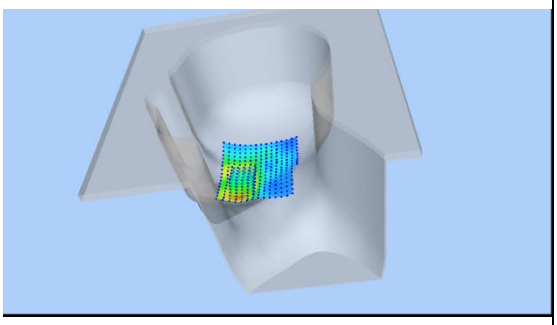
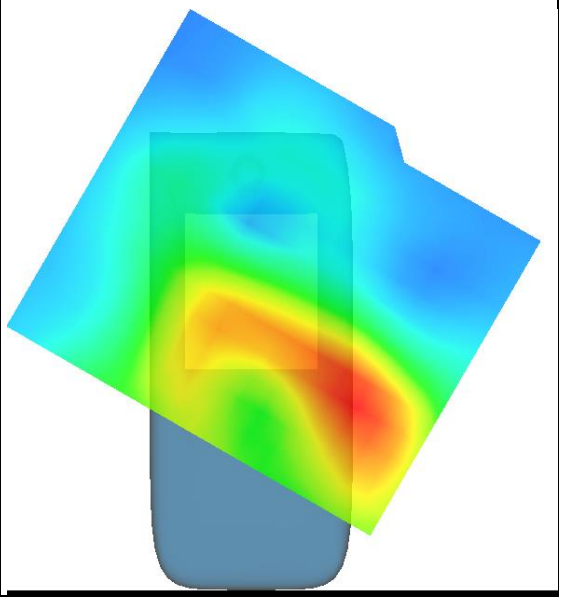
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-48.00, Y=-64.00
SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.085832
SAR 1g (W/Kg)	0.149204

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.2285	0.1571	0.0985	0.0638	0.0413	0.0265	0.0167



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 23, 2025**
WCDMA Band II Mid-Edge 3(RMC)
DUT: Phone; Type: W635C

Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=2.08
Frequency: 1880 MHz; Medium parameters used: f = 1900 MHz; σ=1.40 mho/m; εr =41.61; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section

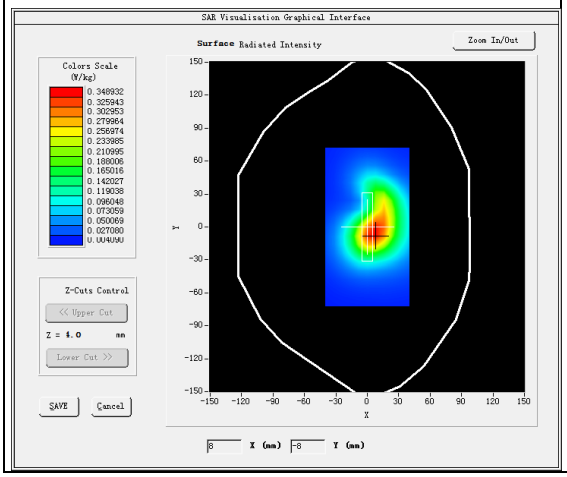
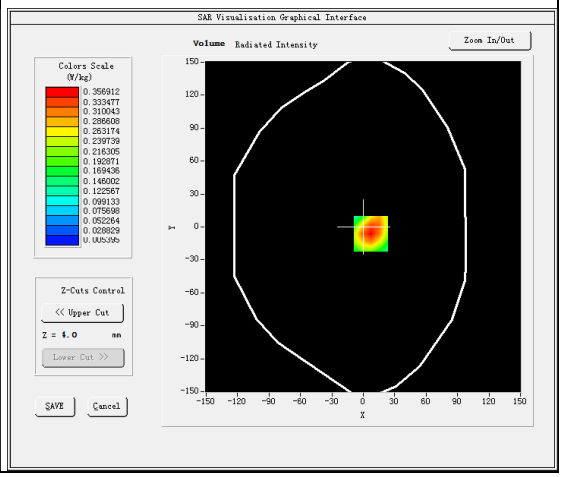
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.8

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ WCDMA band II Mid-Edge 3/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA band II Mid-Edge 3/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

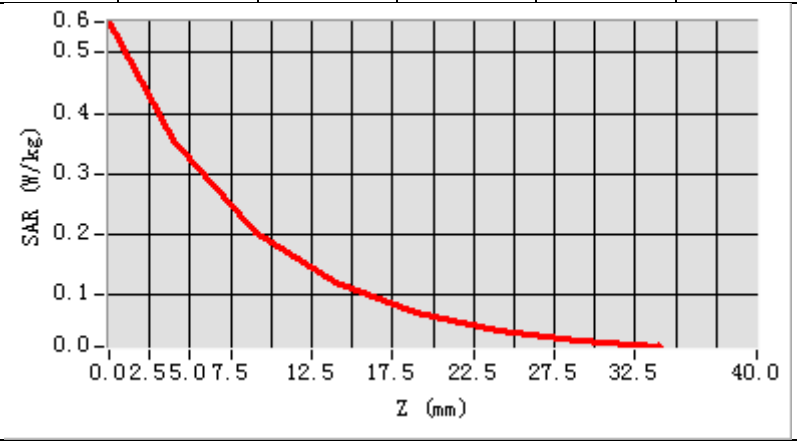
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Edge 3
Band	WCDMA band II
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

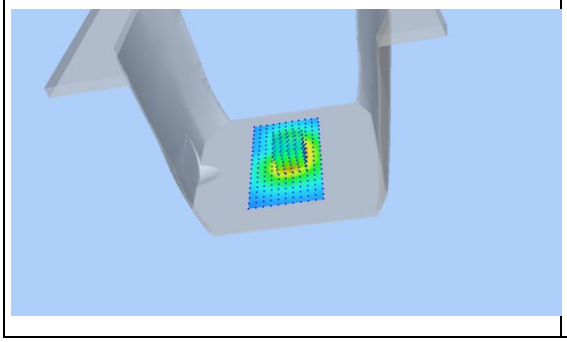
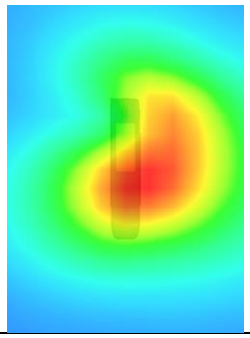
SURFACE SAR	VOLUME SAR
	

Maximum location: X=7.00, Y=-6.00
SAR Peak: 0.55 W/kg

SAR 10g (W/Kg)	0.189353
SAR 1g (W/Kg)	0.341623

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5512	0.3569	0.2032	0.1196	0.0697	0.0404	0.0234



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 27, 2025**

WCDMA Band Ⅴ Mid-Touch-Right (RMC)

DUT: Phone; Type: W635C

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; Duty Cycle:1: 1; Conv.F=1.89; Frequency: 836.4 MHz; Medium parameters used: f = 835MHz; σ=0.90 mho/m; εr =39.90; ρ= 1000 kg/m^3 ; Phantom section: Right Section

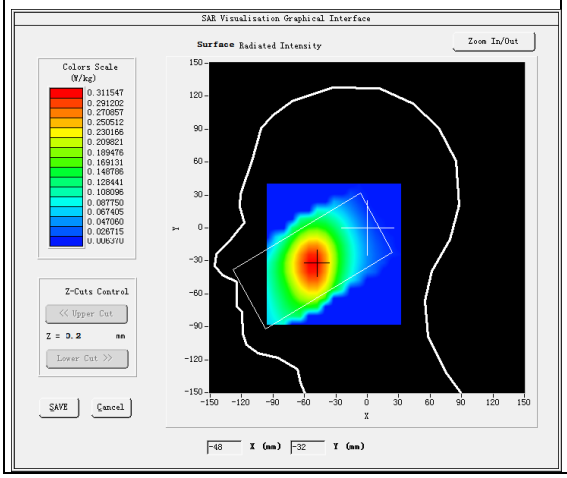
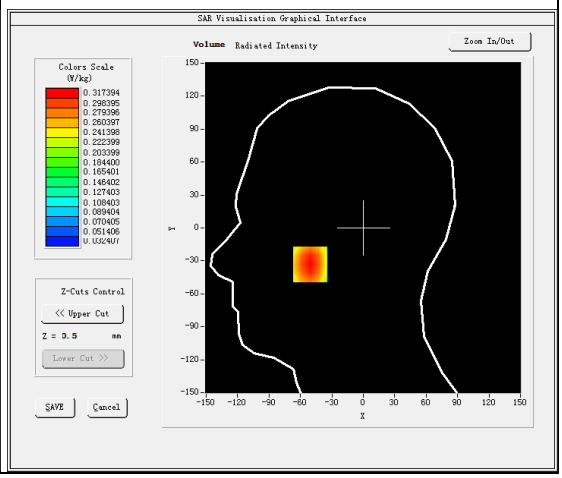
Ambient temperature (℃): 21.3, Liquid temperature (℃): 21.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ WCDMA Band V Mid-Touch-Right/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA Band V Mid-Touch-Right/Zoom Scan: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

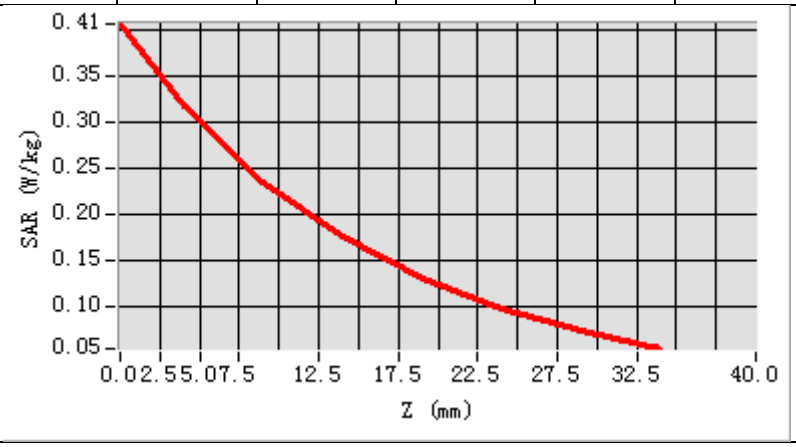
SURFACE SAR	VOLUME SAR
	

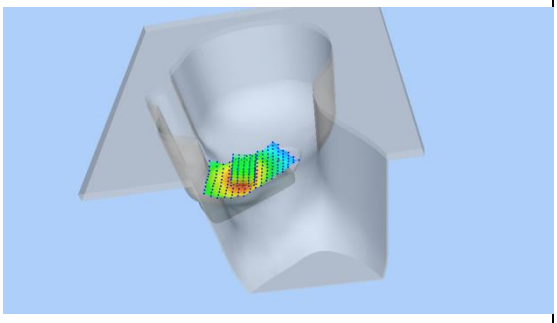
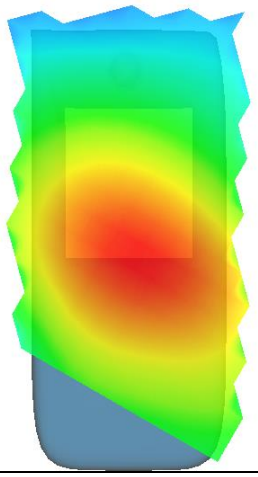
Maximum location: X=-51.00, Y=-33.00

SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.215439
SAR 1g (W/Kg)	0.306142

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4069	0.3174	0.2341	0.1752	0.1307	0.0969	0.0719



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 27, 2025**

WCDMA Band Ⅴ Mid- Edge 3(Bottom) (RMC)

DUT: Phone; Type: W635C

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle:1: 1; Conv.F=1.89; Frequency: 836.4 MHz; Medium parameters used: f = 835MHz; σ= 0.90 mho/m; εr = 39.90; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

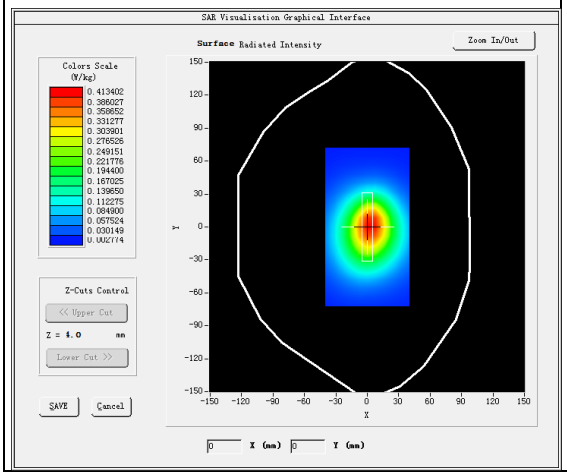
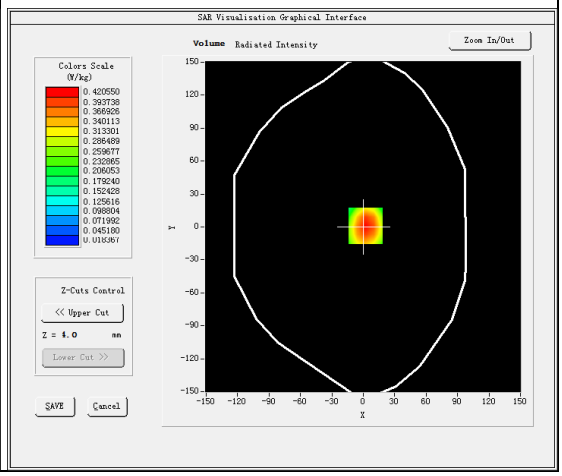
Ambient temperature (℃): 21.3, Liquid temperature (℃): 21.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ WCDMA Band V Mid- Edge 3(Bottom)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA Band V Mid- Edge 3(Bottom)/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

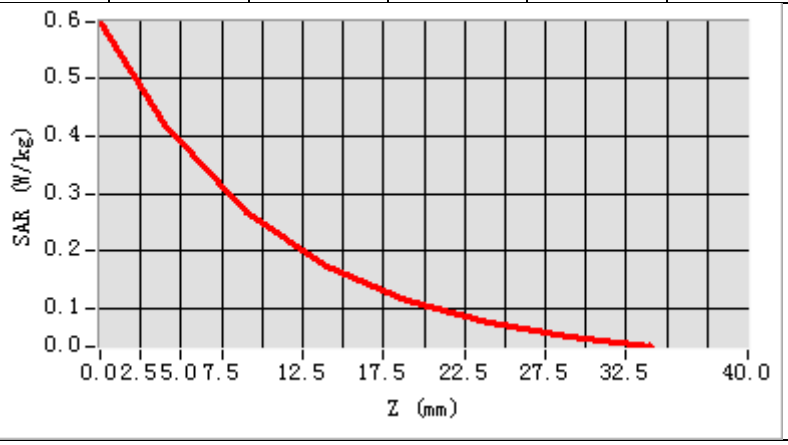
Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Edge 3(Bottom)
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)

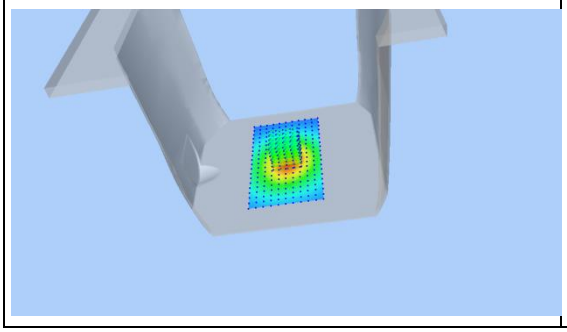
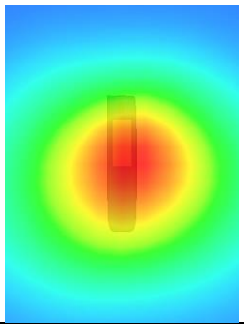
SURFACE SAR	VOLUME SAR
	

Maximum location: X=2.00, Y=1.00
SAR Peak: 0.61 W/kg

SAR 10g (W/Kg)	0.245719
SAR 1g (W/Kg)	0.402194

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.5989	0.4205	0.2687	0.1744	0.1141	0.0753	0.0505



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 23, 2025**
LTE Band 2 Mid-Touch-Right (1 RB#0)
DUT: Phone; Type: W635C

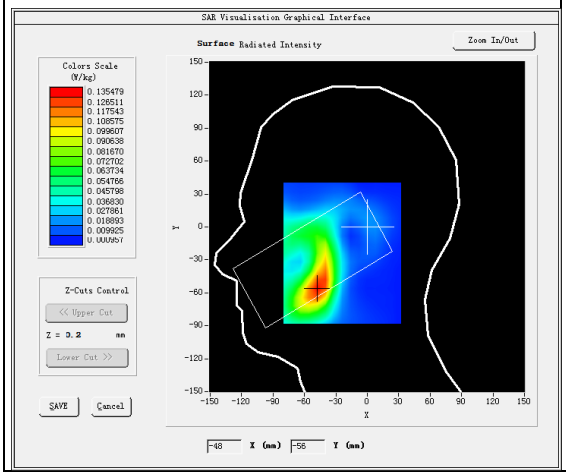
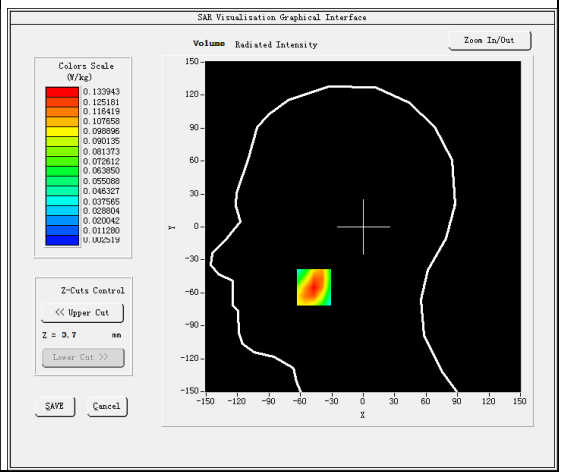
Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=2.08;
Frequency:1880MHz; Medium parameters used: f =1900 MHz; σ= 1.40 mho/m; εr =41.61; ρ= 1000 kg/m³ ;
Phantom section: Right Section
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.8

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 2 Mid- Touch-Right /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 2 Mid- Touch-Right /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

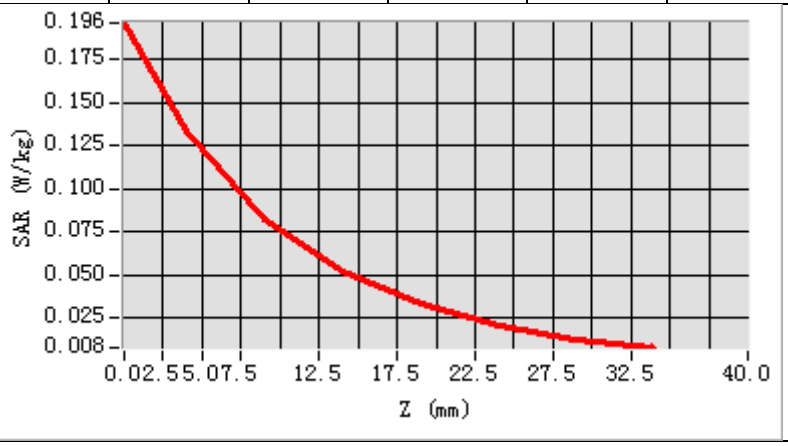
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

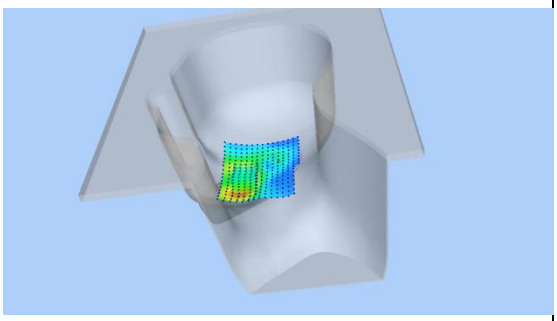
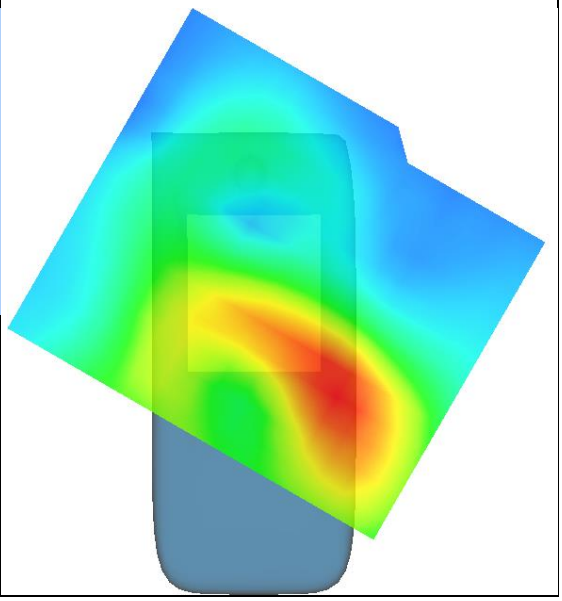
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-47.00, Y=-55.00
SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.072523
SAR 1g (W/Kg)	0.127300

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1961	0.1339	0.0825	0.0524	0.0330	0.0203	0.0128



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 23, 2025**
LTE Band 2 Mid-Edge 3(Bottom) (1 RB#0)
DUT: Phone; Type: W635C

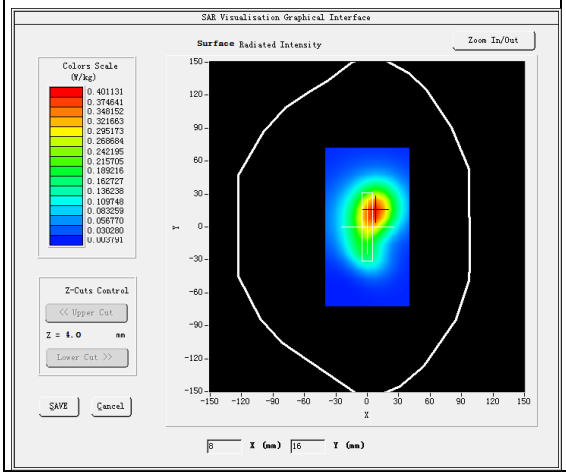
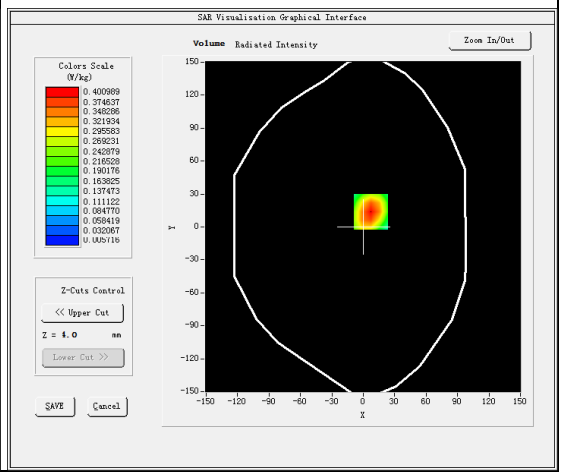
Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=2.08; Frequency:1880MHz; Medium parameters used: f = 1900 MHz; σ= 1.40 mho/m; εr =41.61; ρ= 1000 kg/m^3 ; Phantom section: Flat Section
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.8

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 2 Mid-Edge 3(Bottom)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 2 Mid-Edge 3(Bottom)/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

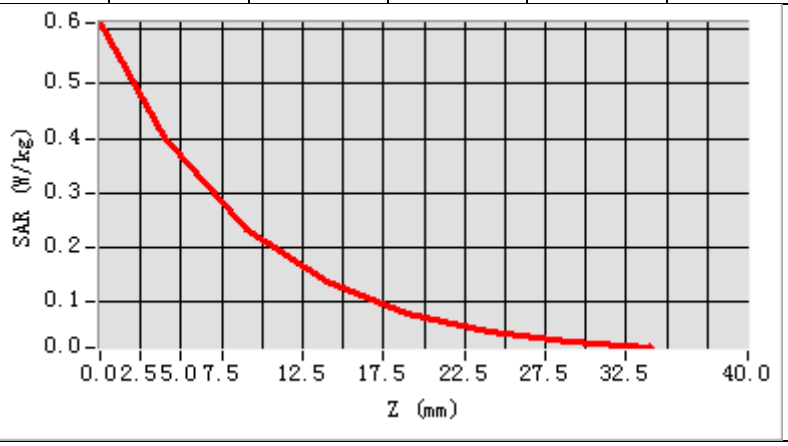
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge 3(Bottom)
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

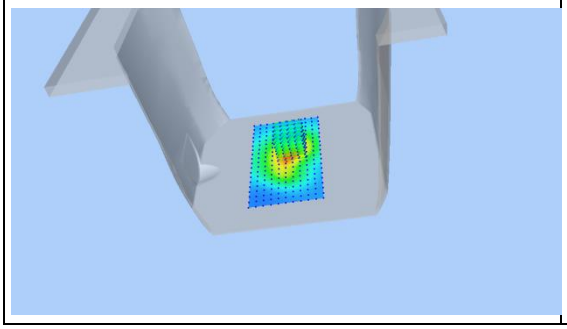
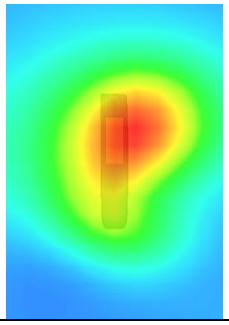
SURFACE SAR	VOLUME SAR
	

Maximum location: X=7.00, Y=14.00
SAR Peak: 0.61 W/kg

SAR 10g (W/Kg)	0.212600
SAR 1g (W/Kg)	0.382533

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6122	0.4010	0.2312	0.1353	0.0787	0.0454	0.0260



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 13, 2025**
LTE Band 4 Mid-Touch-Right (1 RB#0)
DUT: Phone; Type: W635C

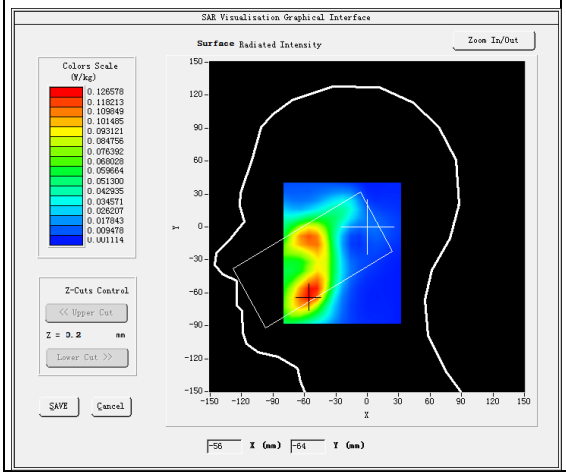
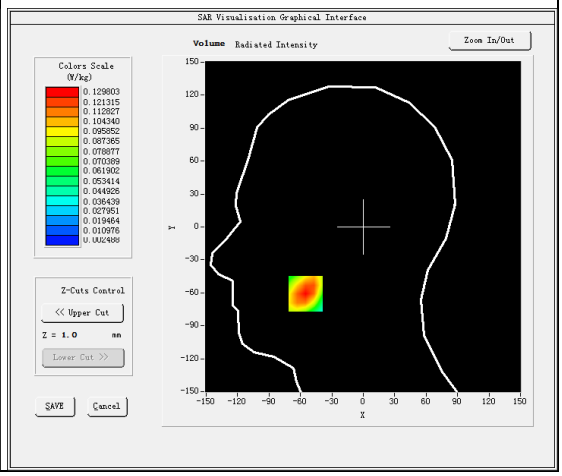
Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.28; Frequency:1732.5 MHz; Medium parameters used: f =1750 MHz; σ= 1.39 mho/m; εr =41.67; ρ= 1000 kg/m^3 ;
Phantom section: Right Section
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 4 Mid- Touch-Right /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 4 Mid- Touch-Right /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

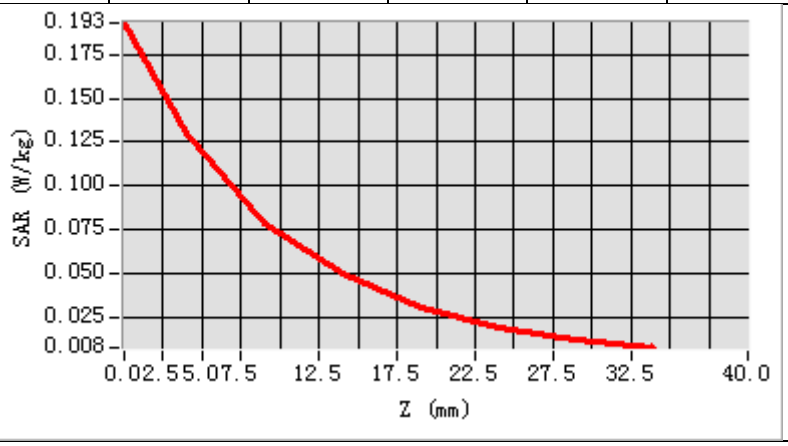
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 4
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

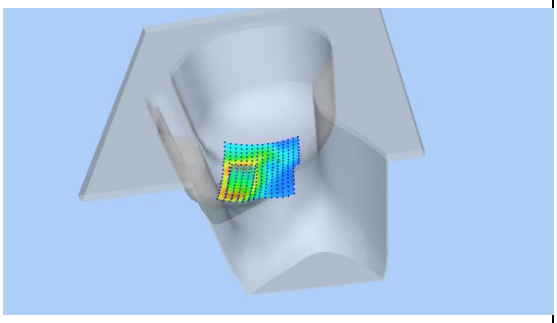
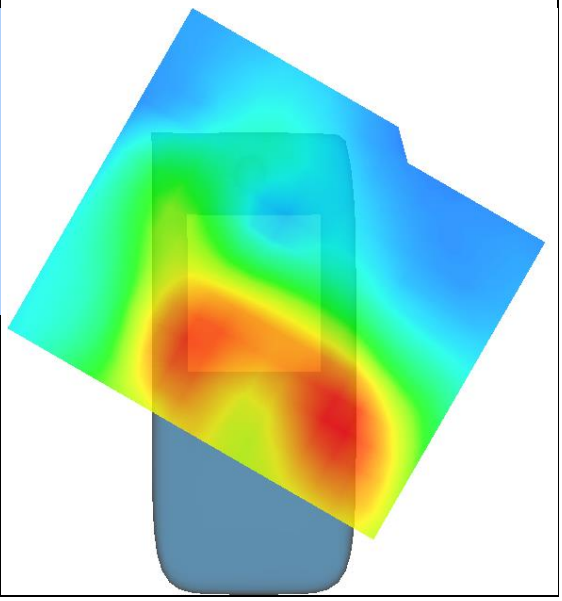
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-55.00, Y=-61.00
SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.072212
SAR 1g (W/Kg)	0.123691

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.1930	0.1298	0.0785	0.0497	0.0312	0.0197	0.0125



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 13, 2025**
LTE Band 4 Mid-Edge 3(Bottom) (1 RB#0)
DUT: Phone; Type: W635C

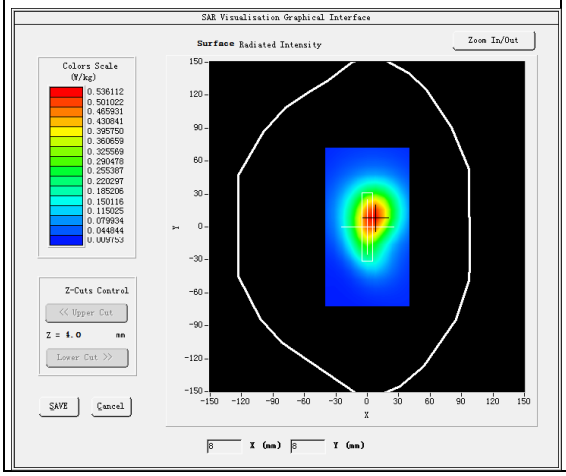
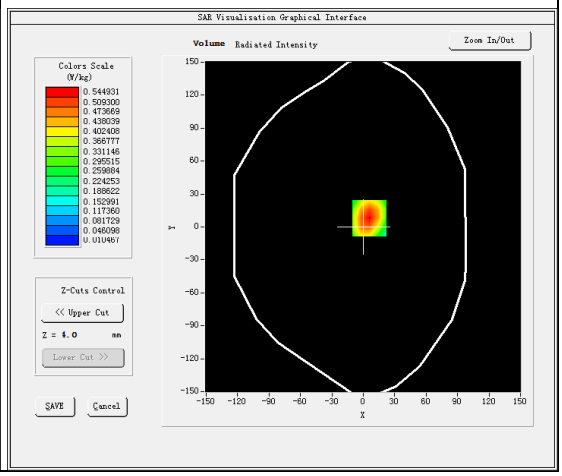
Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.28; Frequency:1732.5 MHz; Medium parameters used: f = 1750 MHz; σ= 1.39 mho/m; εr =41.67; ρ= 1000 kg/m^3 ; Phantom section: Flat Section
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.7

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 4 Mid-Edge 3(Bottom)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 4 Mid-Edge 3(Bottom)/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

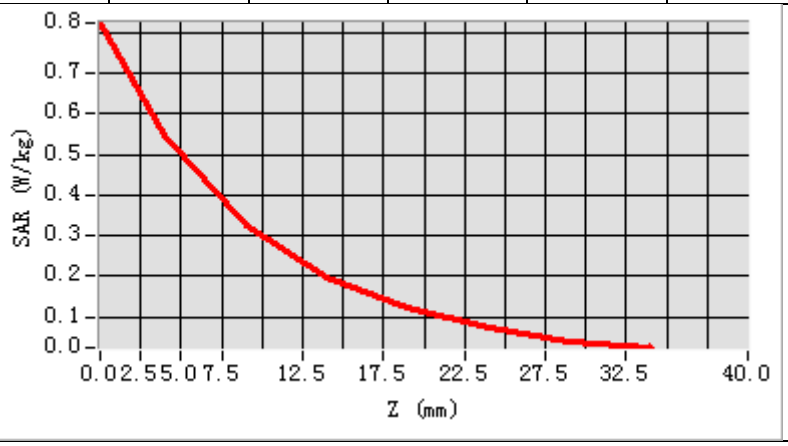
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Edge 3(Bottom)
Band	LTE Band 4
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

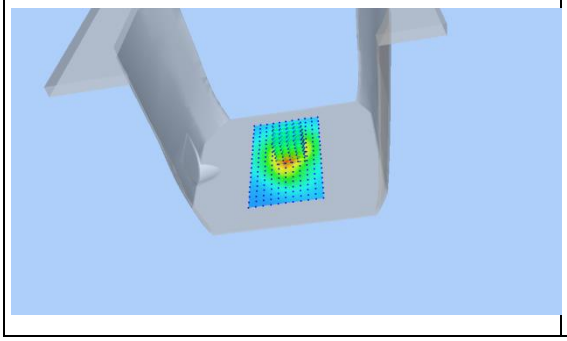
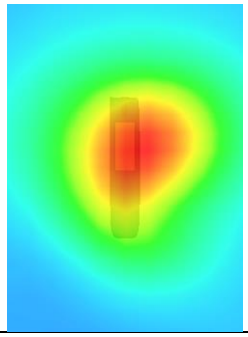
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=8.00
SAR Peak: 0.82 W/kg

SAR 10g (W/Kg)	0.299785
SAR 1g (W/Kg)	0.523449

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.8231	0.5449	0.3239	0.1995	0.1220	0.0738	0.0415



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 27, 2025**
LTE Band 5 Mid-Touch-Right (1 RB#0)
DUT: Phone; Type: W635C

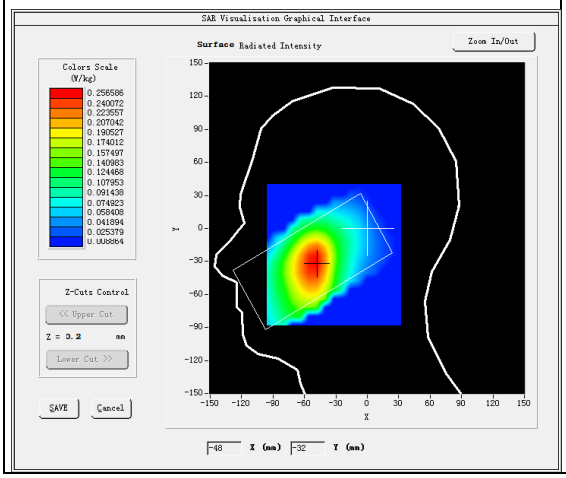
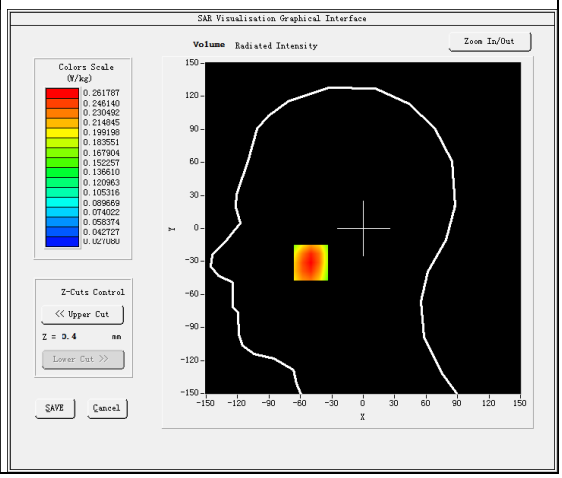
Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=1.89
Frequency: 836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.90 mho/m; εr =39.90; ρ= 1000 kg/m³ ;
Phantom section: Right Section
Ambient temperature (℃): 21.3, Liquid temperature (℃): 21.1

SATIMO Configuration:
Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 5 Mid- Touch-Right /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 5 Mid- Touch-Right /Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5mm;

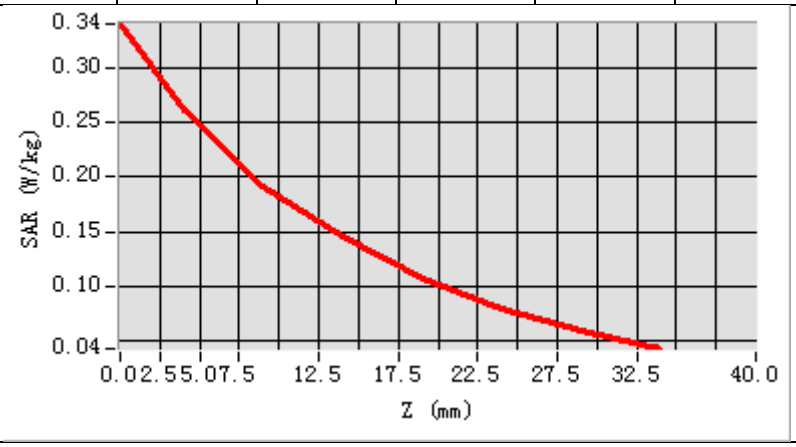
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

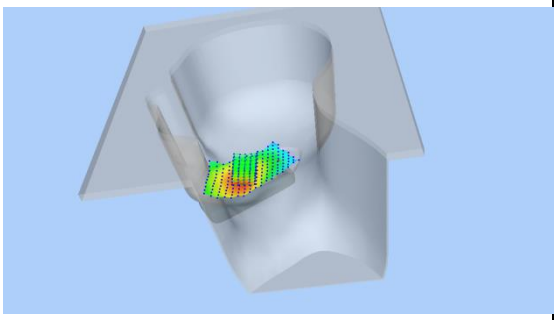
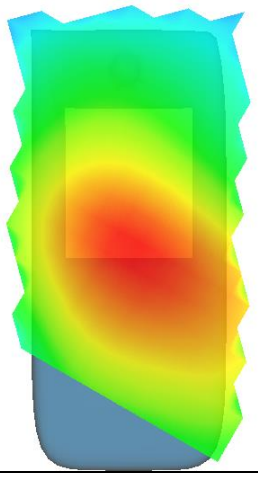
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-50.00, Y=-31.00
SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.176021
SAR 1g (W/Kg)	0.252708

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.3406	0.2618	0.1907	0.1456	0.1073	0.0795	0.0583



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Apr. 27, 2025**
LTE Band 5 Mid-Body-Back (1 RB#0)
DUT: Phone; Type: W635C

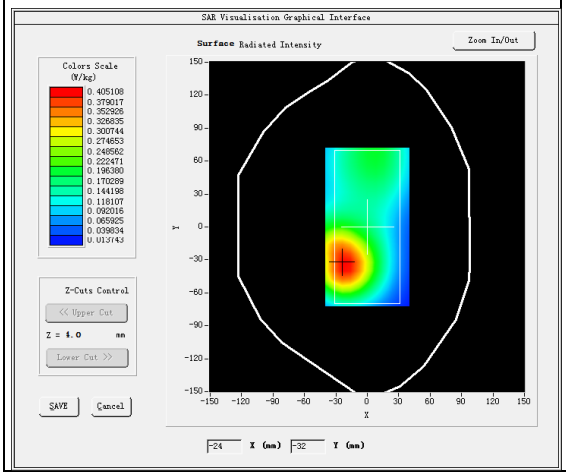
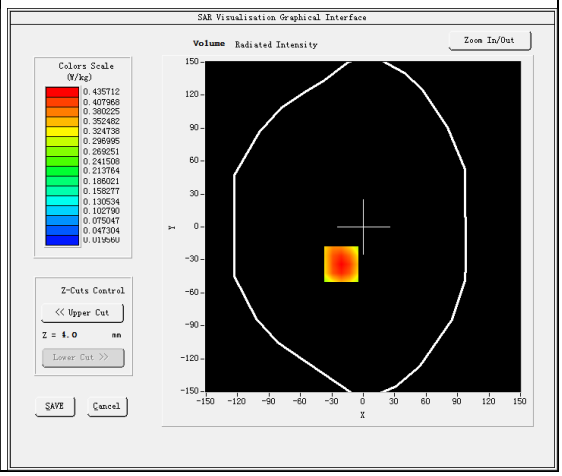
Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=1.89
Frequency:836.5 MHz; Medium parameters used: f = 835 MHz; σ=0.90mho/m; εr =39.90; ρ= 1000 kg/m³ ;
Phantom section: Flat Section
Ambient temperature (℃): 21.3, Liquid temperature (℃): 21.1

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ LTE Band 5 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 5 Mid-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

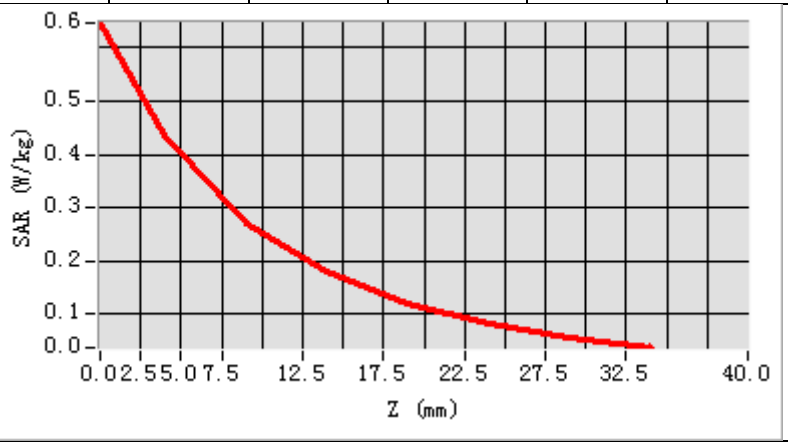
Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)

SURFACE SAR	VOLUME SAR
	

Maximum location: X=-21.00, Y=-34.00
SAR Peak: 0.65 W/kg

SAR 10g (W/Kg)	0.264007
SAR 1g (W/Kg)	0.424514

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6470	0.4357	0.2688	0.1791	0.1194	0.0806	0.0543



3D screen shot	Hot spot position