
SAR Test Report

Report No.: AGC00408250803FH01

FCC ID : 2A3DR-M11

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION : Feature Phone

BRAND NAME : AGM

MODEL NAME : AGM M11

APPLICANT : AGM MOBILE LIMITED

DATE OF ISSUE : Dec. 02, 2025

STANDARD(S) : IEEE Std. 1528:2013
FCC 47 CFR Part 2§2.1093
IEEE Std C95.1™-2019

REPORT VERSION : V1.0

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Dec. 02, 2025	Valid	Initial Release

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Test Report	
Applicant Name	AGM MOBILE LIMITED
Applicant Address	FLAT/RM 2253 22/F HOI TAI FACTORY ESTATE TSING YEUNG CIRCUIT TUEN MUN NT HONG KONG, CHINA
Manufacturer Name	AGM MOBILE LIMITED
Manufacturer Address	FLAT/RM 2253 22/F HOI TAI FACTORY ESTATE TSING YEUNG CIRCUIT TUEN MUN NT HONG KONG, CHINA
Factory Name	GUANGDONG AIJIE MO ELECTRONIC INDUSTRY CO.,LTD.
Factory Address	AGM TECHNOLOGY PARK, NO.187 LIANFA ROAD, TONGQIAO TOWN, ZHONGKAI HIGH-TECH DISTRICT, HUIZHOU CITY, P.R.CHINA
Product Designation	Feature Phone
Brand Name	AGM
Model Name	AGM M11
Series Model Name	N/A
Different Description	N/A
EUT Voltage	DC 3.7V 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	Aug. 22, 2025
Test Date	Nov. 08, 2025 to Nov. 15, 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.

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Reviewed By Bibo Zhang
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Angela Li (Authorized Officer) Dec. 02, 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 0mm separation)	Hotspot(with 0mm separation)	
GSM 850	0.262	0.786	0.875	1.6
PCS 1900	0.263	0.813	0.668	
UMTS Band II	0.388	0.846	0.846	
UMTS Band V	0.330	0.971	0.971	
LTE Band 2	0.442	1.188	1.188	
LTE Band 4	0.685	1.149	1.149	
LTE Band 5	0.443	1.185	1.185	
LTE Band 7	0.365	1.026	1.026	
LTE Band 12	0.255	0.681	0.681	
LTE Band 17	0.339	0.670	0.670	
LTE Band 66	0.659	1.111	1.111	
WIFI 2.4G	0.194	0.498	0.498	
Simultaneous Reported SAR	1.429			
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 C95.1:2019 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

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2. GENERAL INFORMATION

2.1. EUT Description

General Information	
Product Designation	Feature Phone
Test Model	AGM M11
Hardware Version	V3.2
Software Version	V1.0
Sample ID	250821089
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	FPC
GSM and GPRS& EGPRS	
Support Band	☒ GSM 850 ☒ PCS 1900
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: 1dBi; PCS1900: 1dBi
Max. Average Power	GSM850: 32.24 dBm; PCS1900: 29.39dBm
WCDMA	
Support Band	☒ UMTS FDD Band II ☒ UMTS FDD Band V
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: 1dBi; Band V: 1dBi
Max. Average Power	Band II: 22.28dBm; Band V: 22.17 dBm
Bluetooth	
Bluetooth Version	V4.2
Operation Frequency	2402~2480MHz
Type of modulation	☒ GFSK ☒ π/4-DQPSK ☒ 8-DPSK
Peak Power	6.187dBm
Antenna Gain	-0.73dBi
WIFI	
WIFI Specification	☒ 802.11b ☒ 802.11g ☒ 802.11n(20)
Operation Frequency	2412~2462MHz
Avg. Burst Power	11b: 16.13dBm,11g: 12.09dBm,11n(20): 10.94dBm
Antenna Gain	-0.73dBi

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EUT Description(Continue)

LTE	
Support Band	☒ FDD Band 2 ☒ FDD Band 4 ☒ FDD Band 5 ☒ FDD Band 7 ☒ FDD Band 12 ☒ FDD Band 17 ☒ FDD Band 66
TX Frequency Range	Band 2:1850-1910MHz; Band 4:1710-1755MHz;Band 5:824-849MHz; Band 7:2500-2570MHz; Band 12:699-716MHz; Band 17: 704-716MHz; Band 66:1710-1780MHz;
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 17: 734-746 MHz; Band 66:2110-2200MHz;
Type of modulation	QPSK, 16QAM
Antenna Gain	Band 2:1.0dBi, Band 4:0.8dBi, Band 5:1.0dBi, Band 7:0.5dBi, Band 12:0.3dBi, Band 17:0.2dBi, Band 66:1.0dBi.
Max. Average Power	Band 2: 22.92dBm; Band 4: 23.18 dBm; Band 5: 23.12dBm; Band 7: 22.26dBm; Band 12: 23.21dBm; Band 17: 23.15 dBm; Band 66: 23.27dBm;
Accessories	
Battery	Brand name: N/A Model No. : QM40 Voltage and Capacitance: DC 3.7 V & 4000mAh
Earphone	Brand name: N/A Model No. : N/A

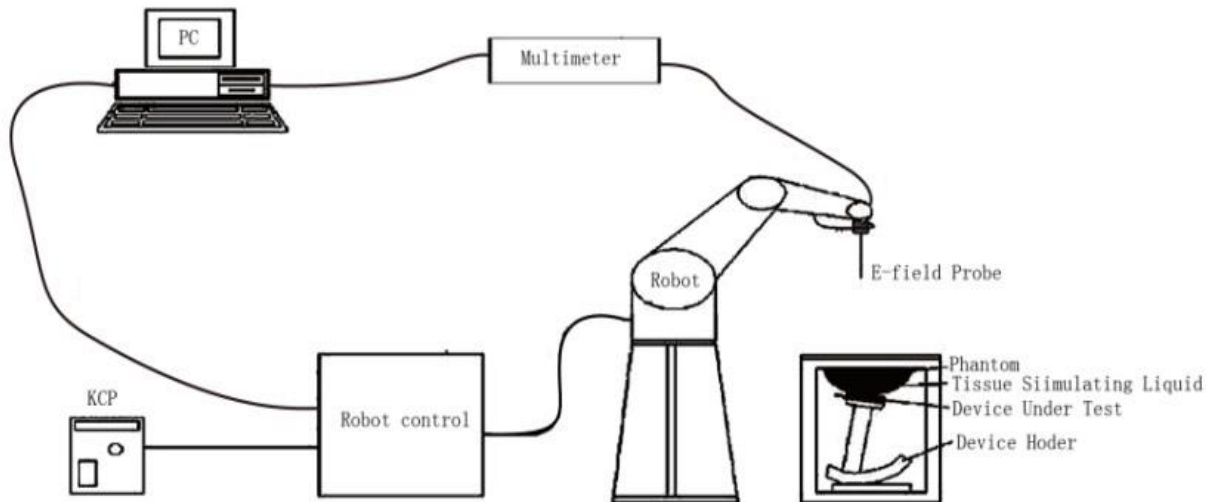
- Note:1.CMU200 can measure the average power and Peak power at the same time
2.The sample used for testing is end product.
3. The test sample has no any deviation to the test method of standard mentioned in page 1.

Product	Type
	☒ Production unit ☐ Identical Prototype

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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.

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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:±0.10dB(0.15GHz-7.5GHz)	
Dynamic Range	0.01W/kg-100W/kg Linearity:±0.10dB	
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:

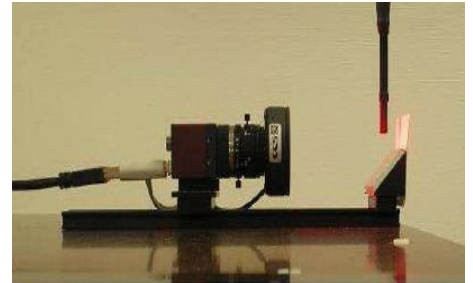
- ☐ High precision (repeatability 0.02 mm)
- ☐ High reliability (industrial design)
- ☐ Jerk-free straight movements
- ☐ Low ELF interference (the closed metallic construction shields against motor control fields)
- ☐ 6-axis controller



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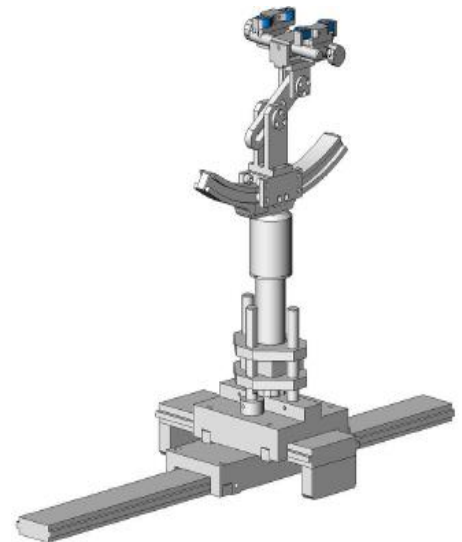
3.4. Video Positioning System

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 $\epsilon_r = 3$ and loss tangent $\delta = 0.02$. 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.

ELLI39 Phantom

The Flat phantom is a fiberglass shellphantom with 2mm+/- 0.2 mm shell thickness. It has only one measurement area for Flat phantom



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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:

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

$$SAR = c_h \left. \frac{dT}{dt} \right|_{t=0}$$

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;

$\left. \frac{dT}{dt} \right|_{t=0}$ 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 of 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

	$\leq 3 \text{ GHz}$	$> 3 \text{ GHz}$
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	$5 \pm 1 \text{ mm}$	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location	$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: $\Delta x_{\text{Area}}, \Delta y_{\text{Area}}$	$\leq 2 \text{ GHz}: \leq 15 \text{ mm}$ $2 - 3 \text{ GHz}: \leq 12 \text{ mm}$	$3 - 4 \text{ GHz}: \leq 12 \text{ mm}$ $4 - 6 \text{ GHz}: \leq 10 \text{ mm}$
	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 $\leq$ 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 and 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}			$\leq 2 \text{ GHz}: \leq 8 \text{ mm}$ $2 - 3 \text{ GHz}: \leq 5 \text{ mm}^*$	$3 - 4 \text{ GHz}: \leq 5 \text{ mm}^*$ $4 - 6 \text{ GHz}: \leq 4 \text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		$\leq 5 \text{ mm}$	$3 - 4 \text{ GHz}: \leq 4 \text{ mm}$ $4 - 5 \text{ GHz}: \leq 3 \text{ mm}$ $5 - 6 \text{ GHz}: \leq 2 \text{ mm}$
	graded grid	$\Delta z_{Zoom}(1)$: between 1 st two points closest to phantom surface	$\leq 4 \text{ mm}$	$3 - 4 \text{ GHz}: \leq 3 \text{ mm}$ $4 - 5 \text{ GHz}: \leq 2.5 \text{ mm}$ $5 - 6 \text{ GHz}: \leq 2 \text{ mm}$
		$\Delta z_{Zoom}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		$\geq 30 \text{ mm}$	$3 - 4 \text{ GHz}: \geq 28 \text{ mm}$ $4 - 5 \text{ GHz}: \geq 25 \text{ mm}$ $5 - 6 \text{ GHz}: \geq 22 \text{ mm}$
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 <u>reported</u> SAR from the <i>area scan based 1-g SAR estimation</i> procedures of KDB 447498 is $\leq 1.4 \text{ W/kg}$, $\leq 8 \text{ mm}$, $\leq 7 \text{ mm}$ and $\leq 5 \text{ mm}$ 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

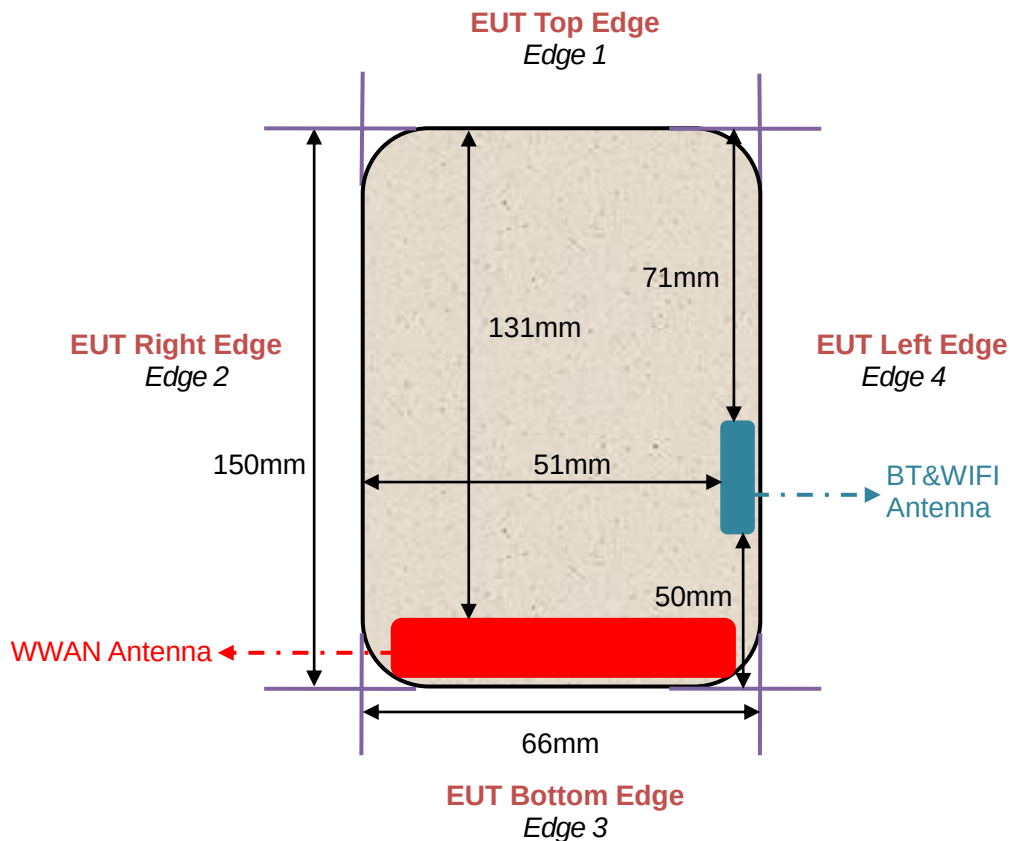
Test Configuration and setting:

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)



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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)	131mm	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)	5mm	Yes	--
Edge 3 (Bottom)	5mm	Yes	--
Edge 4 (Left)	5mm	Yes	--

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)	71mm	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)	51mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 3 (Bottom)	50mm	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)	5mm	Yes	--

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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
750 Head	35	2	0.0	0.0	63	0.0
835 Head	50.36	1.25	48.39	0.0	0.0	0.0
1750 Head	52.64	0.36	0.0	47	0.0	0.0
1900 Head	54.9	0.18	0.0	44.92	0.0	0.0
2450 Head	71.88	0.16	0.0	7.99	0.0	19.97
2600 Head	55.242	0.306	0	44.452	0	0

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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	
	ϵ_r	σ (S/m)	ϵ_r	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

(ϵ_r = relative permittivity, σ = conductivity and $\rho = 1000 \text{ kg/m}^3$)

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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							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r 41.9 (39.805-43.995)	δ [s/m] 0.89(0.8455-0.9345)				
	704	43.76	0.86	22.4	53.3	22.1	Nov. 11, 2025
	707.5	43.60	0.87				
	709	43.31	0.88				
	710	43.19	0.89				
	711	42.68	0.90				
	750	42.26	0.92				

Tissue Stimulant Measurement for 835MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r 41.5 (39.425-43.575)	δ [s/m] 0.90 (0.855-0.945)				
	824.2	43.21	0.87	22.5	58.2	22.1	Nov. 10, 2025
	826.4	43.10	0.88				
	829	42.77	0.90				
	835	42.03	0.91				
	836.4	41.92	0.92				
	836.5	41.92	0.92				
	836.6	41.92	0.92				
	844	41.63	0.93				
	846.6	40.89	0.93				
	848.8	40.35	0.94				

Tissue Stimulant Measurement for 1750MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r 40.1 (38.095-42.105)	δ [s/m] 1.37 (1.302-1.439)				
	1720	41.22	1.36	21.7	50.4	21.3	Nov. 08, 2025
	1732.5	40.36	1.38				
	1745	40.13	1.40				
	1750	39.65	1.41				
	1770	39.20	1.42				

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Tissue Stimulant Measurement for 1900MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		$\epsilon_r 40.00$ (38.00-42.00)	$\delta [s/m] 1.40$ (1.33-1.47)				
	1850.2	40.31	1.35	22.9	61.8	22.7	Nov. 09, 2025
	1852.4	39.91	1.37				
	1860	39.68	1.40				
	1880	39.13	1.42				
	1900	38.77	1.43				
	1907.6	38.61	1.44				
	1909.8	38.42	1.46				

Tissue Stimulant Measurement for 2450MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		$\epsilon_r 39.2$ (37.24-41.16)	$\delta [s/m]$ 1.80(1.71-1.89)				
	2412	39.66	1.76	21.9	60.7	21.7	Nov. 15, 2025
	2437	39.10	1.78				
	2450	38.87	1.79				
	2462	38.43	1.80				

Tissue Stimulant Measurement for 2600MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		$\epsilon_r 39$ (37.05-40.95)	$\delta [s/m]$ 1.96(1.86-2.06)				
	2510	40.31	1.87	21.3	52.9	21.1	Nov. 14, 2025
	2535	39.67	1.88				
	2560	39.33	1.89				
	2600	39.02	1.91				

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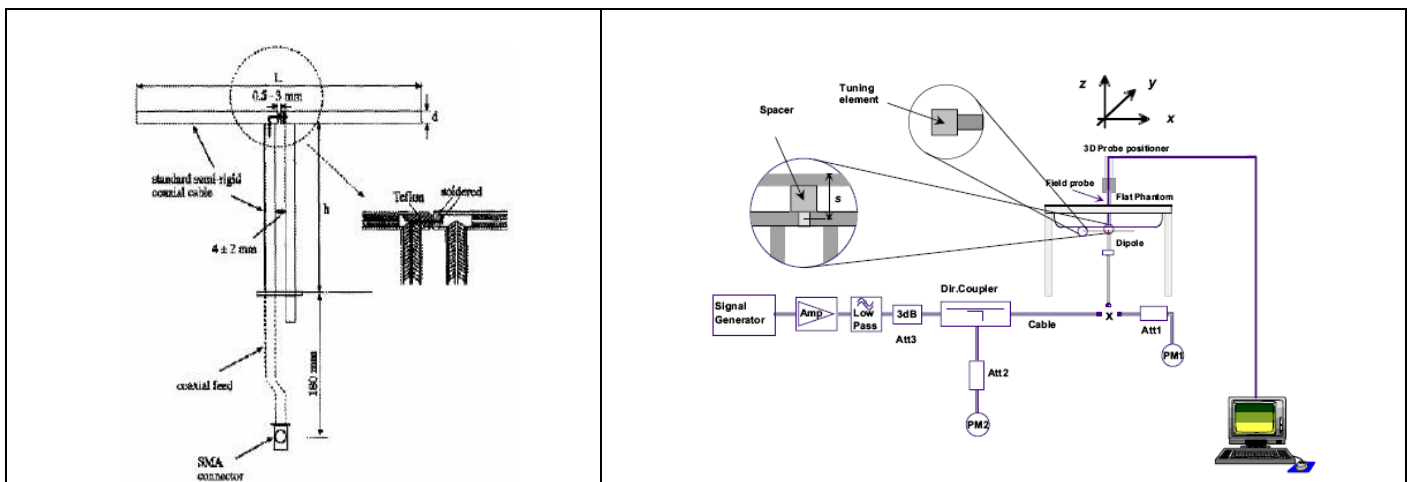
6. SAR SYSTEM CHECK PROCEDURE

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.

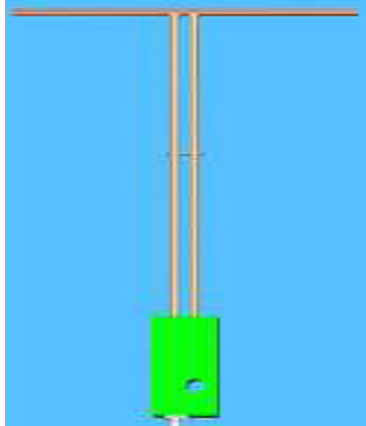


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6.2. SAR System Check

6.2.1. Dipoles

	The dipoles used 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 dipoles.
---	---

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
2450MHz	51.5	30.4	3.6
2600MHz	48.5	28.8	3.6

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6.2.2. System Check Result

System Performance Check at 750MHz&835MHz &1800MHz &1900MHz &2450MHz&2600MHz for Head							
Validation Kit: SN 2216 DIP 0G750-417& SN 1516 DIP 0G835-399& SN 4611 DIP 1G800-186& SN 2915 DIP 1G900-389& SN 2915 DIP 2G450-393& SN 2216 DIP 2G600-407							
Frequency [MHz]	Target Value(W/kg)		Reference Result ($\pm 10\%$)		Tested Value(W/kg)		Test time
	1g	10g	1g	10g	1g	10g	
750	8.77	5.51	7.89-9.65	4.96-6.06	8.37	5.96	Nov. 11, 2025
835	9.67	6.29	8.70-10.64	5.66-6.92	9.79	6.36	Nov. 10, 2025
1800	36.11	19.04	32.50-39.72	17.14-20.94	39.18	20.62	Nov. 08, 2025
1900	39.83	20.59	35.85-43.81	18.53-22.65	41.38	20.81	Nov. 09, 2025
2450	53.5	25.0	48.15-58.85	22.50-27.50	50.05	23.76	Nov. 15, 2025
2600	55.22	25.01	49.70-60.74	22.51-27.51	52.41	22.81	Nov. 14, 2025

Note:

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

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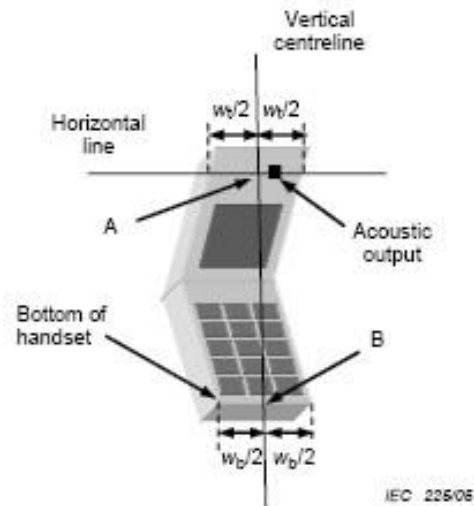
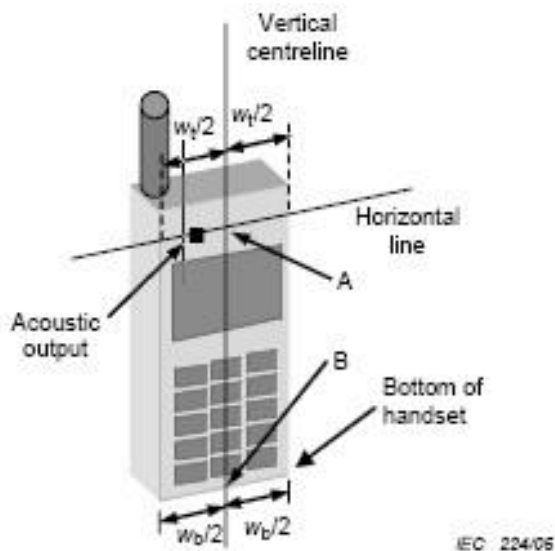
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7. EUT TEST POSITION

This EUT was tested in **Right Cheek, Right Tilted, Left Cheek, Left Tilted, Body back, Body front, Edge 2 (Right), Edge 3 (Bottom) and Edge 4 (Left)**.

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 w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b 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.



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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 piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- (2) To move the device towards the phantom with the ear piece aligned with the 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

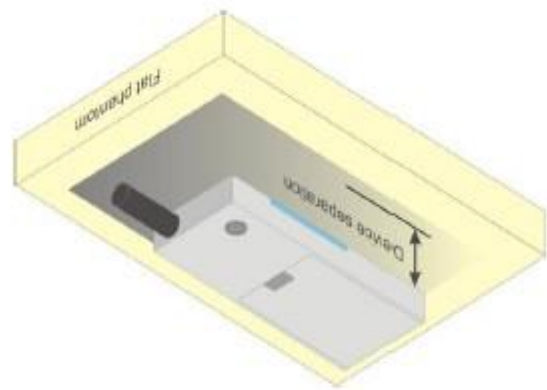
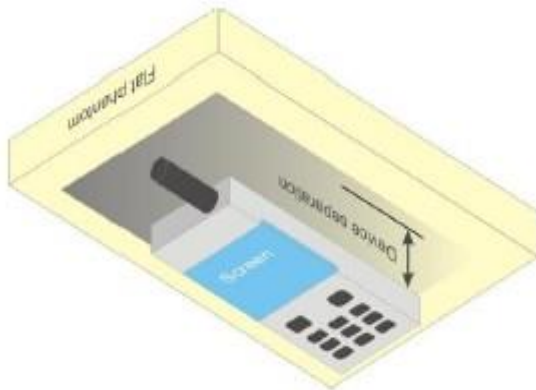
- (1) To position the device in the “cheek” position described above.
- (2) While maintaining the device in the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until with the ear is lost.



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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 **0mm**.



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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

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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

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10. TEST EQUIPMENT LIST

No.	Equipment description	Manufacturer/ Model	Identification No.	Software version	Current calibration date	Next calibration date
AGC-HE-A103	SAR Probe	MVG	2023-EPGO-414	N/A	2025-05-06	2026-05-05
AGC-HE-E016	Phantom	SATIMO	SN_4511_SAM90	N/A	Validated. No cal required.	Validated. No cal required.
AGC-ER-E020	WIRELESS COMMUNICATION TEST SET	Agilent-8960	GB46200384	N/A	2025-05-21	2026-05-20
AGC-ER-E032	Wireless communication instrument	R&S- CMW500	121209	N/A	2025-05-16	2026-05-15
AGC-HE-A073	Multimeter	Keithley 2000	4114939	N/A	2025-05-16	2026-05-15
AGC-HE-S003	SAR Software	MVG-OpenSAR	N/A	V5.3.15.8	N/A	N/A
AGC-HE-A054	Dipole	SATIMO SID750	SN 2216 DIP 0G750-417	N/A-	2025-05-15	2028-05-14
AGC-HE-A056	Dipole	SATIMO SID835	SN 1516 DIP 0G835-399	N/A	2025-05-15	2028-05-14
AGC-HE-A016	Dipole	SATIMO SID1800	SN 4611 DIP 1G800-186	N/A	2025-05-12	2028-05-11
AGC-HE-A059	Dipole	SATIMO SID1900	SN 2915 DIP 1G900-389	N/A	2025-05-15	2028-05-14
AGC-HE-A061	Dipole	SATIMO SID2450	SN 2915 DIP 2G450-393	N/A	2025-05-16	2028-05-15
AGC-HE-A062	Dipole	SATIMO SID2600	SN 2216 DIP 2G600-407	N/A	2025-05-16	2028-05-15
AGC-HE-E021	Signal Generator	Agilent-E4438C	US41461365	V5.03	2025-05-21	2026-05-20
AGC-EM-E061	EXA Signal Analyzer	Agilent / N9010A	MY53470504	N/A	2025-05-08	2026-05-07
AGC-HE-E004	Network Analyzer	Rhode & Schwarz ZVL6	101443	3.2	2025-07-18	2026-07-17
AGC-ER-A001	Attenuator	SMA-JK	N/A	N/A	2025-09-05	2027-09-04
AGC-EM-E019	Amplifier	AS0104-55_55	1004793	N/A	N/A	N/A
AGC-EM-E040	Directional Couple	Werlatone/ C5571-10	SN99463	N/A	2024-02-01	2026-01-31
AGC-EM-E041	Directional Couple	Werlatone/ C6026-10	SN99482	N/A	2024-02-01	2026-01-31
AGC-BQ-E016	Power Sensor	NRP-Z21	104604	N/A	2025-05-16	2026-05-15
AGC-HE-E023	Power Sensor	NRP-Z23	100323	N/A	2025-01-14	2026.01-13
AGC-HE-S004	Power Viewer	R&S	V2.3.1.0	N/A	N/A	N/A
AGC-HE-A001	Calibration standard parts for network sub - port	R&S/ ZV-Z132	100707	V2.3.1.0	2025-10-30	2026-10-29
AGC-HE-A002	Thermometer	DigiMate/TP677	3811930452	N/A	2025-05-24	2027-05-23

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.

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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	0.105	R	1.732	0.707	0.707	0.043	0.043	∞
Hemispherical Isotropy	E.2.2	0.105	R	1.732	0.707	0.707	0.043	0.043	∞
Boundary effect	E.2.3	1.000	R	1.732	1	1	0.577	0.577	∞
Linearity	E.2.4	1.105	R	1.732	1	1	0.638	0.638	∞
System detection limits	E.2.4	1.000	R	1.732	1	1	0.577	0.577	∞
Modulation response	E.2.5	3.000	R	1.732	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	1.732	1	1	0.000	0.000	∞
Integration Time	E.2.8	1.400	R	1.732	1	1	0.808	0.808	∞
RF ambient conditions-Noise	E.6.1	3.000	R	1.732	1	1	1.732	1.732	∞
RF ambient conditions-reflections	E.6.1	3.000	R	1.732	1	1	1.732	1.732	∞
Probe positioner mechanical tolerance	E.6.2	1.400	R	1.732	1	1	0.808	0.808	∞
Probe positioning with respect to phantom shell	E.6.3	1.400	R	1.732	1	1	0.808	0.808	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.300	R	1.732	1	1	1.328	1.328	∞
Test sample Related									
Test sample positioning	E.4.2	2.6	N	1	1	1	2.60	2.60	∞
Device holder uncertainty	E.4.1	3	N	1	1	1	3.00	3.00	∞
Output power variation—SAR drift measurement	E.2.9	5	R	1.732	1	1	2.89	2.89	∞
SAR scaling	E.6.5	5	R	1.732	1	1	2.89	2.89	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	1.732	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	N	1	0.78	0.71	3.120	2.840	M
Liquid permittivity measurement	E.3.3	5	N	1	0.23	0.26	1.150	1.300	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	1.732	0.78	0.71	1.126	1.025	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	R	1.732	0.23	0.26	0.332	0.375	∞
Combined Standard Uncertainty			RSS				10.533	10.348	
Expanded Uncertainty (95% Confidence interval)			K=2				21.065	20.695	

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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	0.105	R	1.732	1.000	1.000	0.061	0.061	∞
Hemispherical Isotropy	E.2.2	0.105	R	1.732	0.000	0.000	0.000	0.000	∞
Boundary effect	E.2.3	1.000	R	1.732	1.000	1.000	0.577	0.577	∞
Linearity	E.2.4	1.105	R	1.732	1.000	1.000	0.638	0.638	∞
System detection limits	E.2.4	1.000	R	1.732	1.000	1.000	0.577	0.577	∞
Modulation response	E.2.5	3.000	R	1.732	0.000	0.000	0.000	0.000	∞
Readout Electronics	E.2.6	0.021	N	1.000	1.000	1.000	0.021	0.021	∞
Response Time	E.2.7	0.000	R	1.732	0.000	0.000	0.000	0.000	∞
Integration Time	E.2.8	1.400	R	1.732	0.000	0.000	0.000	0.000	∞
RF ambient conditions-Noise	E.6.1	3.000	R	1.732	1.000	1.000	1.732	1.732	∞
RF ambient conditions-reflections	E.6.1	3.000	R	1.732	1.000	1.000	1.732	1.732	∞
Probe positioner mechanical tolerance	E.6.2	1.400	R	1.732	1.000	1.000	0.808	0.808	∞
Probe positioning with respect to phantom shell	E.6.3	1.400	R	1.732	1.000	1.000	0.808	0.808	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.300	R	1.732	1.000	1.000	1.328	1.328	∞
System validation source									
Deviation of experimental dipole from numerical dipole	E.6.4	5	N	1	1	1	5	5	∞
Input power and SAR drift measurement	8,6.6.4	5	R	1.732	1	1	2.887	2.887	∞
Dipole axis to liquid distance	8,E.6.6	2	R	1.732	1	1	1.155	1.155	∞
Phantom and set-up									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	1.732	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	1.9	1.596	∞
Liquid conductivity (temperature uncertainty)	E.3.3	4	N	1	0.78	0.71	3.12	2.84	∞
Liquid conductivity (measured)	E.3.3	5	N	1	0.23	0.26	1.15	1.3	M
Liquid permittivity (temperature uncertainty)	E.3.4	2.5	R	1.732	0.78	0.71	1.126	1.025	∞
Liquid permittivity (measured)	E.3.4	2.5	R	1.732	0.23	0.26	0.332	0.375	M
Combined Standard Uncertainty			RSS				10.466	10.279	
Expanded Uncertainty (95% Confidence interval)			K=2				20.931	20.559	

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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	0.5	0.5	∞
Axial Isotropy	E.2.2	0.105	R	1.732	0	0	0	0	∞
Hemispherical Isotropy	E.2.2	0.105	R	1.732	0	0	0	0	∞
Boundary effect	E.2.3	1.000	R	1.732	0	0	0	0	∞
Linearity	E.2.4	1.105	R	1.732	0	0	0	0	∞
System detection limits	E.2.4	1	R	1.732	0	0	0	0	∞
Modulation response	E.2.5	3	R	1.732	0	0	0	0	∞
Readout Electronics	E.2.6	0.021	N	1	0	0	0	0	∞
Response Time	E.2.7	0	R	1.732	0	0	0	0	∞
Integration Time	E.2.8	1.4	R	1.732	0	0	0	0	∞
RF ambient conditions-Noise	E.6.1	3	R	1.732	0	0	0	0	∞
RF ambient conditions-reflections	E.6.1	3	R	1.732	0	0	0	0	∞
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	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	2	N	1	1	1	2	2	∞
Input power and SAR drift measurement	8,6.6.4	5	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2	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	1.000	1	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	4	N	1.000	0.78	0.71	3.12	2.84	∞
Liquid permittivity measurement	E.3.3	5	N	1.000	0.23	0.26	1.15	1.30	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	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	

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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	32.12	-9	23.12
	836.6	32.16	-9	23.16
	848.8	32.05	-9	23.05
GPRS 850 (1 Slot)	824.2	32.27	-9	23.27
	836.6	32.24	-9	23.24
	848.8	32.10	-9	23.10
GPRS 850 (2 Slot)	824.2	29.92	-6	23.92
	836.6	29.76	-6	23.76
	848.8	29.63	-6	23.63
GPRS 850 (3 Slot)	824.2	27.83	-4.26	23.57
	836.6	27.69	-4.26	23.43
	848.8	27.53	-4.26	23.27
GPRS 850 (4 Slot)	824.2	25.44	-3	22.44
	836.6	25.30	-3	22.30
	848.8	25.15	-3	22.15
EGPRS 850 (1 Slot)	824.2	27.20	-9	18.20
	836.6	26.87	-9	17.87
	848.8	26.62	-9	17.62
EGPRS 850 (2 Slot)	824.2	25.76	-6	19.76
	836.6	25.57	-6	19.57
	848.8	25.42	-6	19.42
EGPRS 850 (3 Slot)	824.2	22.96	-4.26	18.70
	836.6	22.91	-4.26	18.65
	848.8	22.75	-4.26	18.49
EGPRS 850 (4 Slot)	824.2	21.07	-3	18.07
	836.6	21.07	-3	18.07
	848.8	20.85	-3	17.85

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Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <2>				
GSM 850	824.2	31.34	-9	22.34
	836.6	32.09	-9	23.09
	848.8	31.37	-9	22.37
GPRS 850 (1 Slot)	824.2	31.82	-9	22.82
	836.6	31.50	-9	22.50
	848.8	31.44	-9	22.44
GPRS 850 (2 Slot)	824.2	29.38	-6	23.38
	836.6	29.37	-6	23.37
	848.8	28.79	-6	22.79
GPRS 850 (3 Slot)	824.2	27.47	-4.26	23.21
	836.6	27.30	-4.26	23.04
	848.8	26.91	-4.26	22.65
GPRS 850 (4 Slot)	824.2	25.05	-3	22.05
	836.6	24.75	-3	21.75
	848.8	25.01	-3	22.01

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GSM BAND CONTINUE

Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <1>				
PCS1900	1850.2	29.13	-9	20.13
	1880	28.93	-9	19.93
	1909.8	29.09	-9	20.09
GPRS1900 (1 Slot)	1850.2	29.39	-9	20.39
	1880	29.07	-9	20.07
	1909.8	29.20	-9	20.20
GPRS1900 (2 Slot)	1850.2	26.17	-6	20.17
	1880	25.85	-6	19.85
	1909.8	25.58	-6	19.58
GPRS1900 (3 Slot)	1850.2	24.38	-4.26	20.12
	1880	24.07	-4.26	19.81
	1909.8	23.80	-4.26	19.54
GPRS1900 (4 Slot)	1850.2	22.21	-3	19.21
	1880	21.91	-3	18.91
	1909.8	21.63	-3	18.63
EGPRS1900 (1 Slot)	1850.2	25.73	-9	16.73
	1880	26.24	-9	17.24
	1909.8	26.09	-9	17.09
EGPRS1900 (2 Slot)	1850.2	23.96	-6	17.96
	1880	24.77	-6	18.77
	1909.8	24.71	-6	18.71
EGPRS1900 (3 Slot)	1850.2	22.77	-4.26	18.51
	1880	23.61	-4.26	19.35
	1909.8	23.57	-4.26	19.31
EGPRS1900 (4 Slot)	1850.2	19.13	-3	16.13
	1880	20.40	-3	17.40
	1909.8	20.38	-3	17.38

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Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <2>				
PCS1900	1850.2	28.37	-9	19.37
	1880	28.19	-9	19.19
	1909.8	29.09	-9	20.09
GPRS1900 (1 Slot)	1850.2	29.22	-9	20.22
	1880	29.00	-9	20.00
	1909.8	28.41	-9	19.41
GPRS1900 (2 Slot)	1850.2	25.70	-6	19.70
	1880	24.97	-6	18.97
	1909.8	24.98	-6	18.98
GPRS1900 (3 Slot)	1850.2	24.16	-4.26	19.90
	1880	23.46	-4.26	19.20
	1909.8	23.33	-4.26	19.07
GPRS1900 (4 Slot)	1850.2	21.56	-3	18.56
	1880	21.05	-3	18.05
	1909.8	21.40	-3	18.40

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(β_c and β_d) 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	β_c (Note5)	β_d	β_d (SF)	β_c/β_d	β_{HS} (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 , $\Delta NACK$ and $\Delta CQI = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$.

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 $\Delta NACK = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$, and $\Delta CQI = 24/15$ with $\beta_{hs} = 24/15 * \beta_c$.

Note 3: CM = 1 for $\beta_c/\beta_d = 12/15$, $hs/c = 24/15$. 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 (β_c and β_d) 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	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1)	β_{ec}	β_{ed} (Note 4) (Note 5)	β_{ed} (SF)	β_{ed} (Code s)	CM (dB) (Note 2)	MPR (dB) (Note 2) (Note 6)	AG Index (Note 5)	E-TF CI
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	β_{ed1} : 47/15 β_{ed2} : 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 , $\Delta NACK$ and $\Delta CQI = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$. For sub-test 5, ΔACK , $\Delta NACK$ and $\Delta CQI = 5/15$ with $\beta_{hs} = 5/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $hs/c = 24/15$. 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: β_{ed} 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	22.27
	1880	22.23
	1907.6	22.21
HSDPA Subtest 1	1852.4	22.28
	1880	21.97
	1907.6	22.02
HSDPA Subtest 2	1852.4	22.12
	1880	21.92
	1907.6	21.90
HSDPA Subtest 3	1852.4	20.90
	1880	20.66
	1907.6	20.63
HSDPA Subtest 4	1852.4	20.90
	1880	20.72
	1907.6	20.69
HSUPA Subtest 1	1852.4	18.91
	1880	18.68
	1907.6	18.76
HSUPA Subtest 2	1852.4	19.47
	1880	19.31
	1907.6	19.25
HSUPA Subtest 3	1852.4	19.92
	1880	19.28
	1907.6	19.23
HSUPA Subtest 4	1852.4	19.99
	1880	19.65
	1907.6	19.59
HSUPA Subtest 5	1852.4	21.57
	1880	21.31
	1907.6	21.26

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UMTS BAND V

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 850 RMC	826.4	22.07
	836.4	22.17
	846.6	22.08
HSDPA Subtest 1	826.4	21.97
	836.4	21.63
	846.6	21.52
HSDPA Subtest 2	826.4	21.21
	836.4	21.00
	846.6	20.82
HSDPA Subtest 3	826.4	19.80
	836.4	19.64
	846.6	19.61
HSDPA Subtest 4	826.4	19.85
	836.4	19.68
	846.6	19.69
HSUPA Subtest 1	826.4	18.77
	836.4	18.97
	846.6	18.51
HSUPA Subtest 2	826.4	19.06
	836.4	18.96
	846.6	18.70
HSUPA Subtest 3	826.4	19.53
	836.4	18.97
	846.6	18.71
HSUPA Subtest 4	826.4	19.12
	836.4	18.85
	846.6	18.77
HSUPA Subtest 5	826.4	22.16
	836.4	21.87
	846.6	21.76

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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	$0 \leq CM \leq 3.5$	$MAX(CM-1,0)$
Note: CM=1 for $\beta_c/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$.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

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	22.70	21.31	22.49
			3	0	22.53	21.27	22.62
			5	0	22.70	21.36	22.36
		3	0	0	22.68	21.54	22.45
			2	0	22.66	21.36	22.48
			3	0	22.61	21.51	22.45
		6	0	1	21.68	20.84	21.44
	16QAM	1	0	1	21.68	22.51	20.83
			3	1	22.34	22.78	21.97
			5	1	21.66	22.48	20.87
		3	0	1	21.22	22.55	21.24
			2	1	21.40	22.60	21.32
			3	1	21.23	22.47	21.28
		6	0	2	20.71	21.53	20.48
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18615	18900	19185
3MHz	QPSK	1	0	0	22.65	21.35	22.44
			7	0	22.79	22.18	22.70
			14	0	22.61	21.36	22.43
		8	0	1	21.62	20.99	21.65
			4	1	21.71	20.64	21.50
			7	1	21.78	20.76	21.49
		15	0	1	21.57	20.70	21.51
	16QAM	1	0	1	21.45	22.69	21.39
			7	1	22.36	22.55	21.26
			14	1	21.39	22.67	21.39
		8	0	2	20.81	21.51	20.68
			4	2	20.67	21.49	20.51
			7	2	20.82	21.56	20.57
		15	0	2	20.55	21.47	20.60

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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	22.77	21.13	22.59
			13	0	22.62	21.49	22.56
			24	0	22.74	21.11	22.62
		12	0	1	21.75	20.83	21.69
			6	1	21.72	20.70	21.58
			13	1	21.69	20.68	21.51
		25	0	1	21.77	20.80	21.54
	16QAM	1	0	1	21.77	22.57	21.14
			13	1	22.05	22.70	21.61
			24	1	21.72	22.59	21.23
		12	0	2	20.86	21.51	20.74
			6	2	20.77	21.57	20.67
			13	2	20.83	21.69	20.57
		25	0	2	20.64	21.53	20.76
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18650	18900	19150
10MHz	QPSK	1	0	0	22.72	21.53	22.66
			25	0	22.92	22.24	22.54
			49	0	22.69	21.48	22.60
		25	0	1	21.74	20.83	21.59
			13	1	21.70	20.79	21.61
			25	1	21.59	21.00	21.60
		50	0	1	21.57	20.72	21.52
	16QAM	1	0	1	22.23	22.57	21.53
			25	1	22.32	22.59	22.12
			49	1	22.16	22.53	21.51
		25	0	2	20.92	21.48	20.64
			13	2	20.67	21.50	20.62
			25	2	20.67	21.53	20.80
		50	0	2	20.64	21.57	20.69

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Conducted Power of LTE Band 2(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18675	18900	19125
15MHz	QPSK	1	0	0	22.39	21.43	22.55
			38	0	22.88	22.53	22.43
			74	0	22.23	21.25	22.48
		36	0	1	21.76	21.71	21.59
			18	1	21.64	20.92	21.58
			39	1	21.67	21.61	21.49
		75	0	1	21.56	21.02	21.52
	16QAM	1	0	1	22.24	22.74	21.62
			38	1	22.17	22.51	22.02
			74	1	22.04	22.52	21.57
		36	0	2	21.48	21.58	21.59
			18	2	20.62	21.53	20.64
			39	2	21.52	21.44	21.44
		75	0	2	20.62	21.54	20.68
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18700	18900	19100
20MHz	QPSK	1	0	0	22.72	22.01	22.54
			50	0	22.58	21.92	22.49
			99	0	22.45	21.95	22.40
		50	0	1	21.60	20.73	21.53
			25	1	21.69	20.81	21.59
			50	1	21.46	20.77	21.59
		100	0	1	21.75	20.79	21.56
	16QAM	1	0	1	21.40	22.76	21.41
			50	1	20.99	22.55	20.80
			99	1	21.33	22.61	21.28
		50	0	2	20.70	21.65	20.63
			25	2	20.63	21.41	20.67
			50	2	20.74	21.40	20.82
		100	0	2	20.54	21.60	20.72

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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	22.82	22.22	22.98
			3	0	23.04	22.54	23.12
			5	0	22.81	22.27	22.93
		3	0	0	22.87	21.54	22.97
			2	0	22.92	21.80	22.90
			3	0	22.97	21.61	22.85
		6	0	1	21.86	21.34	21.81
	16QAM	1	0	1	21.32	22.86	22.07
			3	1	22.23	23.03	21.65
			5	1	21.18	22.95	22.01
		3	0	1	21.72	22.98	21.79
			2	1	21.69	23.14	21.63
			3	1	21.67	23.08	21.66
		6	0	2	20.87	21.98	21.09
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19965	20175	20385
3MHz	QPSK	1	0	0	22.85	21.59	22.95
			7	0	22.99	22.32	23.10
			14	0	22.82	21.58	22.92
		8	0	1	21.81	21.37	21.90
			4	1	21.79	21.10	21.92
			7	1	21.91	20.98	21.89
		15	0	1	21.77	21.20	21.88
	16QAM	1	0	1	21.28	22.86	22.05
			7	1	22.14	23.07	21.69
			14	1	21.24	22.95	21.94
		8	0	2	21.10	21.99	21.15
			4	2	21.15	22.12	21.03
			7	2	21.13	21.98	21.07
		15	0	2	20.94	22.02	21.07

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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	22.79	21.52	22.95
			13	0	22.97	21.85	22.80
			24	0	22.79	21.43	22.94
		12	0	1	21.77	21.07	21.93
			6	1	21.88	20.80	21.88
			13	1	21.86	20.76	21.85
		25	0	1	21.79	20.90	21.89
	16QAM	1	0	1	21.41	22.85	22.17
			13	1	21.69	22.93	22.30
			24	1	21.53	22.97	22.12
		12	0	2	20.84	22.04	21.06
			6	2	20.99	22.10	21.08
			13	2	20.95	22.00	21.13
		25	0	2	21.05	22.05	21.10
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20000	20175	20350
10MHz	QPSK	1	0	0	22.89	21.84	22.85
			25	0	22.89	22.41	23.11
			49	0	22.81	21.76	23.02
		25	0	1	21.90	20.91	21.90
			13	1	21.79	20.78	21.92
			25	1	21.99	20.85	22.09
		50	0	1	21.93	20.87	21.89
	16QAM	1	0	1	21.77	22.92	22.53
			25	1	22.43	23.00	22.65
			49	1	21.79	23.01	22.46
		25	0	2	21.04	22.04	21.04
			13	2	21.08	22.14	21.25
			25	2	21.06	22.01	21.04
		50	0	2	21.05	22.16	21.23

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Conducted Power of LTE Band 4(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20025	20175	20325
15MHz	QPSK	1	0	0	22.96	22.33	22.98
			38	0	22.64	22.54	22.92
			74	0	22.91	22.35	22.84
		36	0	1	21.93	21.90	21.95
			18	1	21.91	20.90	21.91
			39	1	21.78	21.85	21.85
		75	0	1	21.84	20.91	21.84
	16QAM	1	0	1	21.95	22.90	22.08
			38	1	22.49	23.16	22.71
			74	1	21.86	22.73	21.88
		36	0	2	21.94	21.99	22.00
			18	2	20.97	21.96	21.04
			39	2	21.85	21.90	21.89
		75	0	2	20.99	21.89	21.04
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20050	20175	20300
20MHz	QPSK	1	0	0	23.18	21.71	22.96
			50	0	23.06	21.19	22.94
			99	0	23.03	21.62	23.06
		50	0	1	21.97	21.03	21.90
			25	1	21.90	21.26	21.92
			50	1	21.75	20.90	22.06
		100	0	1	21.85	21.29	21.89
	16QAM	1	0	1	22.34	23.08	21.68
			50	1	22.16	23.08	21.41
			99	1	22.32	22.98	21.60
		50	0	2	21.39	22.25	21.26
			25	2	21.09	22.02	21.05
			50	2	20.97	22.14	21.14
		100	0	2	21.14	22.00	21.01

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Conducted Power of LTE Band 5(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20407	20525	20643
1.4MHz	QPSK	1	0	0	22.58	21.82	22.76
			3	0	22.88	22.46	23.02
			5	0	22.65	21.83	22.71
		3	0	0	22.80	21.11	22.78
			2	0	22.82	21.66	22.86
			3	0	22.72	21.22	22.77
		6	0	1	21.69	20.80	21.74
	16QAM	1	0	1	21.89	22.63	21.06
			3	1	22.60	22.91	22.02
			5	1	21.85	22.52	21.04
		3	0	1	21.27	22.58	21.18
			2	1	21.63	22.78	21.42
			3	1	21.20	22.64	21.24
		6	0	2	20.82	21.79	20.67
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20415	20525	20635
3MHz	QPSK	1	0	0	22.71	21.28	22.69
			7	0	22.87	22.29	22.93
			14	0	22.62	21.33	22.77
		8	0	1	21.77	20.86	21.77
			4	1	21.73	20.76	21.77
			7	1	21.77	20.97	21.78
		15	0	1	21.72	20.79	21.75
	16QAM	1	0	1	21.35	22.67	21.18
			7	1	22.24	22.94	21.85
			14	1	21.27	22.39	21.07
		8	0	2	21.34	21.58	20.82
			4	2	20.70	21.58	20.76
			7	2	20.88	21.71	20.77
		15	0	2	20.84	21.48	20.58

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Conducted Power of LTE Band 5(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20425	20525	20625
5MHz	QPSK	1	0	0	22.71	21.37	22.78
			13	0	22.59	21.71	22.87
			24	0	23.07	21.74	22.86
		12	0	1	21.83	20.73	21.92
			6	1	21.89	20.72	21.73
			13	1	21.74	20.62	21.81
		25	0	1	21.80	20.78	21.76
	16QAM	1	0	1	21.31	22.80	21.79
			13	1	21.51	22.68	21.97
			24	1	21.56	22.71	21.80
		12	0	2	21.16	21.66	20.73
			6	2	20.81	21.69	20.82
			13	2	20.70	21.52	20.84
		25	0	2	20.95	21.61	20.76
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20450	20525	20600
10MHz	QPSK	1	0	0	22.81	21.79	22.73
			25	0	23.12	22.67	23.11
			49	0	22.83	21.77	22.66
		25	0	1	21.80	20.80	21.84
			13	1	22.27	21.13	21.82
			25	1	21.79	20.79	22.14
		50	0	1	22.13	21.17	21.85
	16QAM	1	0	1	21.61	22.87	22.74
			25	1	22.30	22.62	22.32
			49	1	21.39	22.65	22.12
		25	0	2	21.37	21.73	20.68
			13	2	20.99	21.62	20.72
			25	2	21.26	21.59	20.78
		50	0	2	20.81	21.64	20.61

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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	21.75	21.55	21.78
			12	0	21.87	21.65	21.83
			24	0	21.77	21.53	21.70
		12	0	1	20.86	19.96	20.68
			6	1	20.94	19.92	20.76
			13	1	20.84	19.91	20.84
		25	0	1	20.76	19.90	20.80
	16QAM	1	0	1	20.80	21.75	20.83
			12	1	21.31	21.61	20.98
			24	1	20.87	21.57	20.71
		12	0	2	19.71	20.73	19.85
			6	2	19.75	20.76	19.81
			13	2	19.81	20.71	19.81
		25	0	2	19.78	20.72	19.91
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20800	21100	21400
10MHz	QPSK	1	0	0	21.85	21.61	21.92
			24	0	21.95	22.01	22.08
			49	0	21.85	21.54	21.86
		25	0	1	20.88	19.93	20.80
			12	1	20.96	19.94	20.89
			25	1	20.95	19.93	20.79
		50	0	1	20.93	20.04	20.85
	16QAM	1	0	1	21.24	21.66	21.14
			24	1	21.96	21.43	21.32
			49	1	21.12	21.32	21.04
		25	0	2	19.97	20.83	19.98
			12	2	19.98	20.79	20.00
			25	2	20.13	20.74	19.98
		50	0	2	19.92	20.88	20.00

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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	21.94	21.63	21.50
			37	0	22.01	22.10	21.91
			74	0	21.81	21.53	21.44
		37	0	1	20.99	21.00	20.85
			16	1	21.01	19.94	20.84
			35	1	20.92	21.04	20.92
		75	0	1	21.04	19.97	20.91
	16QAM	1	0	1	21.45	21.76	21.52
			37	1	22.26	21.43	21.31
			74	1	21.24	21.16	20.88
		37	0	2	20.88	20.89	20.88
			16	2	20.03	20.80	19.92
			35	2	20.92	20.79	20.77
		75	0	2	19.96	20.76	19.91
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20850	21100	21350
20MHz	QPSK	1	0	0	22.14	21.23	21.96
			49	0	21.99	21.08	21.87
			99	0	22.03	21.21	21.86
		50	0	1	21.01	20.13	20.96
			25	1	21.05	20.04	20.96
			49	1	20.95	20.05	20.76
		100	0	1	20.95	20.03	20.90
	16QAM	1	0	1	22.00	21.92	21.31
			49	1	21.75	21.45	21.22
			99	1	21.86	21.67	21.18
		50	0	2	19.98	20.83	20.09
			25	2	20.04	20.94	19.99
			49	2	19.95	20.87	20.03
		100	0	2	20.08	20.84	19.85

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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	22.93	22.02	22.97
			3	0	23.08	22.75	23.21
			5	0	22.87	22.01	22.99
		3	0	0	23.04	21.57	23.01
			2	0	23.09	22.10	23.06
			3	0	23.06	21.64	23.01
		6	0	1	22.05	21.02	22.04
	16QAM	1	0	1	21.45	23.05	22.14
			3	1	22.19	22.95	21.73
			5	1	21.45	23.00	22.27
		3	0	1	21.73	23.19	22.02
			2	1	21.82	23.07	21.88
			3	1	21.77	23.07	22.05
		6	0	2	21.00	22.17	21.47
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23025	23095	23165
3MHz	QPSK	1	0	0	22.97	21.68	23.02
			7	0	23.18	22.42	23.15
			14	0	22.77	21.55	23.01
		8	0	1	22.11	21.03	22.12
			4	1	22.11	20.92	22.04
			7	1	21.81	21.24	22.08
		15	0	1	22.01	21.06	22.11
	16QAM	1	0	1	21.46	23.10	22.26
			7	1	22.19	23.03	21.80
			14	1	21.53	23.05	22.24
		8	0	2	21.13	22.07	21.38
			4	2	21.02	22.02	21.28
			7	2	21.09	22.14	21.37
		15	0	2	20.93	22.05	21.34

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Conducted Power of LTE Band 12(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23035	23095	23155
5MHz	QPSK	1	0	0	23.09	21.72	23.03
			13	0	22.99	21.89	22.96
			24	0	23.01	21.71	23.03
		12	0	1	22.12	20.86	22.01
			6	1	21.93	21.01	22.13
			13	1	21.90	20.99	22.06
		25	0	1	21.86	21.15	22.08
	16QAM	1	0	1	21.61	23.10	22.09
			13	1	22.10	23.15	22.29
			24	1	21.31	22.96	22.21
		12	0	2	20.98	22.09	21.06
			6	2	20.88	22.09	21.44
			13	2	20.95	22.06	21.44
		25	0	2	21.17	22.04	21.41
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23060	23095	23130
10MHz	QPSK	1	0	0	23.06	22.07	22.83
			25	0	23.02	22.50	23.19
			49	0	22.93	22.03	23.07
		25	0	1	21.83	21.06	22.12
			13	1	22.13	20.93	22.11
			25	1	22.05	21.04	21.85
		50	0	1	22.16	21.09	22.08
	16QAM	1	0	1	21.59	22.89	22.39
			25	1	22.53	22.79	22.42
			49	1	21.73	22.90	22.59
		25	0	2	21.21	22.06	21.02
			13	2	21.05	21.80	21.30
			25	2	21.43	22.05	21.42
		50	0	2	21.07	21.89	21.37

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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	22.90	22.16	22.94
			13	0	23.00	22.28	22.96
			24	0	22.94	22.13	22.94
		12	0	1	22.09	21.01	21.97
			6	1	22.05	21.08	21.92
			13	1	22.02	21.05	21.83
		25	0	1	22.10	21.07	21.81
	16QAM	1	0	1	21.61	23.10	21.56
			13	1	21.82	23.09	21.95
			24	1	21.46	23.11	21.65
		12	0	2	20.85	21.99	21.02
			6	2	21.17	22.07	21.24
			13	2	20.84	22.12	21.30
		25	0	2	21.20	22.23	21.45
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					23780	23790	23800
10MHz	QPSK	1	0	0	22.91	22.06	23.03
			25	0	22.96	22.35	23.09
			49	0	22.94	22.08	23.15
		25	0	1	21.86	20.96	22.06
			13	1	22.00	20.92	21.83
			25	1	21.97	20.92	21.87
		50	0	1	22.02	20.92	21.76
	16QAM	1	0	1	21.76	22.86	22.38
			25	1	22.48	22.77	22.38
			49	1	21.73	22.89	22.54
		25	0	2	21.05	22.05	21.07
			13	2	21.32	21.78	21.29
			25	2	21.04	22.04	21.43
		50	0	2	21.26	21.87	21.35

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Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					131979	132322	132665
1.4MHz	QPSK	1	0	0	22.87	21.72	22.86
			2	0	22.85	22.49	23.03
			5	0	22.79	22.25	22.87
		3	0	0	22.87	21.59	23.06
			1	0	23.00	21.81	23.01
			3	0	22.93	21.61	23.00
		6	0	1	21.87	20.98	21.93
	16QAM	1	0	1	21.98	22.93	22.05
			2	1	21.65	23.15	22.86
			5	1	21.93	22.95	22.07
		3	0	1	21.67	23.07	21.51
			1	1	21.63	23.14	22.00
			3	1	21.64	23.04	21.51
		6	0	2	21.09	22.06	20.94
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					131987	132322	132657
3MHz	QPSK	1	0	0	22.78	21.55	23.04
			8	0	22.90	22.34	23.07
			14	0	22.83	21.58	23.06
		8	0	1	21.79	21.00	21.81
			4	1	21.89	20.86	21.94
			7	1	21.71	21.00	21.90
		15	0	1	21.87	20.85	21.97
	16QAM	1	0	1	21.56	23.10	21.85
			8	1	21.82	22.93	21.83
			14	1	21.55	23.06	21.88
		8	0	2	21.17	21.98	21.22
			4	2	21.05	21.94	20.86
			7	2	21.17	21.98	20.94
		15	0	2	20.83	21.92	20.95

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Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					131997	132322	132647
5MHz	QPSK	1	0	0	22.81	21.19	22.88
			12	0	22.79	21.56	22.85
			24	0	22.83	21.21	22.88
		12	0	1	21.82	20.88	21.85
			6	1	21.81	20.77	21.96
			13	1	21.87	20.81	21.97
		25	0	1	21.81	20.94	21.93
	16QAM	1	0	1	22.04	22.97	21.53
			12	1	22.31	23.06	22.07
			24	1	22.07	22.91	21.65
		12	0	2	21.05	22.03	21.14
			6	2	21.03	22.07	21.10
			13	2	21.01	21.95	20.91
		25	0	2	21.03	21.97	21.27
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					132022	132322	132622
10MHz	QPSK	1	0	0	22.74	21.81	23.13
			24	0	22.76	22.34	23.19
			49	0	22.70	21.66	23.10
		25	0	1	21.90	20.84	22.06
			12	1	21.77	20.98	22.02
			25	1	21.89	20.76	22.00
		50	0	1	21.75	21.08	21.91
	16QAM	1	0	1	21.74	22.97	22.52
			24	1	22.95	22.97	22.55
			49	1	21.70	22.96	22.50
		25	0	2	21.08	22.10	21.10
			12	2	21.01	21.88	21.00
			25	2	21.07	22.04	21.27
		50	0	2	20.99	21.99	20.97

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Conducted Power of LTE Band 66(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					132047	132322	132597
15MHz	QPSK	1	0	0	22.87	21.92	22.84
			38	0	22.85	22.49	23.12
			74	0	22.76	21.68	22.65
		38	0	1	21.90	21.89	21.87
			18	1	21.87	20.87	21.97
			37	1	21.90	21.89	21.92
		75	0	1	21.88	20.80	21.91
	16QAM	1	0	1	22.07	23.00	22.55
			38	1	22.66	22.82	22.64
			74	1	21.95	22.98	22.43
		38	0	2	21.88	22.01	22.03
			18	2	20.95	21.95	21.06
			37	2	21.91	21.94	21.92
		75	0	2	20.92	21.98	21.07
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					132072	132322	132572
20MHz	QPSK	1	0	0	22.85	21.56	23.27
			49	0	22.72	21.63	22.90
			99	0	22.70	21.50	23.18
		50	0	1	21.84	21.16	22.04
			25	1	21.86	20.95	21.91
			50	1	21.78	21.26	21.93
		100	0	1	21.72	20.76	22.02
	16QAM	1	0	1	21.43	22.97	21.68
			49	1	21.13	22.89	21.81
			99	1	21.46	22.88	21.64
		50	0	2	21.06	21.89	21.10
			25	2	21.04	22.03	21.01
			50	2	21.06	21.83	20.99
		100	0	2	20.97	21.95	20.93

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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

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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	28	5, 10	Table 5.4.2-1	N/A
	6.6.3.3.11	28	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	-	-	-	-	-

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WIFI

Mode	Data Rate (Mbps)	Channel	Frequency(MHz)	Avg. Burst Power(dBm)
802.11b	1	01	2412	16.13
		06	2437	15.54
		11	2462	15.68
802.11g	6	01	2412	12.09
		06	2437	11.51
		11	2462	11.77
802.11n(20)	6.5	01	2412	10.94
		06	2437	9.94
		11	2462	10.67

Bluetooth BR/EDR

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	5.164
	39	2441	4.773
	78	2480	5.357
$\pi/4$ -DQPSK	0	2402	5.728
	39	2441	4.801
	78	2480	5.662
8-DPSK	0	2402	6.187
	39	2441	5.219
	78	2480	6.055

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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 0mm 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 ≥ 0.8 W/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 ≥ 0.8 W/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 ≤ 1.2 W/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 ≤ 1.2 W/kg.
6. 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.
7. 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.) $\times$ [maximum turn-up power (mW)/ maximum measurement output power(mW)]
8. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
9. 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.
10. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
11. Per KDB 941225 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

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1RB allocation and the highest reported SAR is >1.45 W/kg, the remaining required test channels must also be tested.

12. Per KDB 941225 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 ≤ 1.45 W/kg, Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
13. Per KDB 941225 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 ≤ 1.45 W/kg. Per KDB 941125 D05v02r05, smaller bandwidth SAR testing is not required.

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13.1.3. Test Result

SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: Feature 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	-0.810	0.260	32.20	32.16	1.009	0.262	1.6
Left Tilt	voice	190	836.6	0.590	0.177	32.20	32.16	1.009	0.179	1.6
Right Cheek	voice	190	836.6	-2.460	0.196	32.20	32.16	1.009	0.198	1.6
Right Tilt	voice	190	836.6	1.320	0.144	32.20	32.16	1.009	0.145	1.6
Body back	voice	190	836.6	-0.540	0.779	32.20	32.16	1.009	0.786	1.6
Body front	voice	190	836.6	-0.870	0.192	32.20	32.16	1.009	0.194	1.6
Body back	GPRS-2 slot	128	824.2	-0.260	0.789	30.00	29.92	1.019	0.804	1.6
Body back	GPRS-2 slot	190	836.6	-0.310	0.802	30.00	29.76	1.057	0.848	1.6
Body back	GPRS-2 slot	251	848.8	1.470	0.804	30.00	29.63	1.089	0.875	1.6
Body front	GPRS-2 slot	190	836.6	-0.530	0.189	30.00	29.76	1.057	0.200	1.6
Edge 2(Right)	GPRS-2 slot	190	836.6	1.280	0.134	30.00	29.76	1.057	0.142	1.6
Edge 3(Bottom)	GPRS-2 slot	190	836.6	-0.490	0.269	30.00	29.76	1.057	0.284	1.6
Edge 4(Left)	GPRS-2 slot	190	836.6	-0.040	0.148	30.00	29.76	1.057	0.156	1.6

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SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: Feature 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	-5.160	0.245	29.20	28.93	1.064	0.261	1.6
Left Tilt	voice	661	1880.0	-3.620	0.087	29.20	28.93	1.064	0.093	1.6
Right Cheek	voice	661	1880.0	-3.410	0.247	29.20	28.93	1.064	0.263	1.6
Right Tilt	voice	661	1880.0	-5.530	0.113	29.20	28.93	1.064	0.120	1.6
Body back	voice	512	1850.2	-2.660	0.621	29.20	29.13	1.016	0.631	1.6
Body back	voice	661	1880	-4.200	0.764	29.20	28.93	1.064	0.813	1.6
Body back	voice	810	1909.8	3.720	0.664	29.20	29.09	1.026	0.681	1.6
Body front	voice	661	1880	-3.290	0.333	29.20	28.93	1.064	0.354	1.6
Body back	GPRS-2 slot	661	1880	-0.020	0.616	26.20	25.85	1.084	0.668	1.6
Body front	GPRS-2 slot	661	1880.0	-4.000	0.286	26.20	25.85	1.084	0.310	1.6
Edge 2(Right)	GPRS-2 slot	661	1880.0	-3.410	0.417	26.20	25.85	1.084	0.452	1.6
Edge 3(Bottom)	GPRS-2 slot	661	1880.0	0.263	0.244	26.20	25.85	1.084	0.264	1.6
Edge 4(Left)	GPRS-2 slot	661	1880.0	-4.760	0.085	26.20	25.85	1.084	0.092	1.6

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SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: Feature Phone										
Test Mode: WCDMA Band II with QPSK modulation										
Position	Mode	Ch.	Fr. (MHz)	Power Drift ($\leq \pm 5\%$)	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	-1.790	0.382	22.30	22.23	1.016	0.388	1.6
Left Tilt	RMC 12.2kbps	9400	1880	-0.090	0.176	22.30	22.23	1.016	0.179	1.6
Right Cheek	RMC 12.2kbps	9400	1880	-2.770	0.309	22.30	22.23	1.016	0.314	1.6
Right Tilt	RMC 12.2kbps	9400	1880	0.309	0.195	22.30	22.23	1.016	0.198	1.6
Body back	RMC 12.2kbps	9262	1852.4	-0.580	0.835	22.30	22.27	1.007	0.841	1.6
Body back	RMC 12.2kbps	9400	1880	0.710	0.828	22.30	22.23	1.016	0.841	1.6
Body back	RMC 12.2kbps	9538	1907.6	-0.660	0.829	22.30	22.21	1.021	0.846	1.6
Body front	RMC 12.2kbps	9400	1880	-0.390	0.441	22.30	22.23	1.016	0.448	1.6
Edge 2(Right)	RMC 12.2kbps	9400	1880	-1.340	0.258	22.30	22.23	1.016	0.262	1.6
Edge 3(Bottom)	RMC 12.2kbps	9400	1880	-3.410	0.402	22.30	22.23	1.016	0.409	1.6
Edge 4(Left)	RMC 12.2kbps	9400	1880	2.440	0.116	22.30	22.23	1.016	0.118	1.6

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SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: Feature 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	-3.950	0.328	22.20	22.17	1.007	0.330	1.6
Left Tilt	RMC 12.2kbps	4183	836.4	0.230	0.215	22.20	22.17	1.007	0.216	1.6
Right Cheek	RMC 12.2kbps	4183	836.4	-1.220	0.255	22.20	22.17	1.007	0.257	1.6
Right Tilt	RMC 12.2kbps	4183	836.4	-1.280	0.221	22.20	22.17	1.007	0.223	1.6
Body back	RMC 12.2kbps	4132	826.4	-0.850	0.936	22.20	22.07	1.030	0.964	1.6
Body back	RMC 12.2kbps	4183	836.4	-0.310	0.930	22.20	22.17	1.007	0.936	1.6
Body back	RMC 12.2kbps	4233	846.6	0.930	0.945	22.20	22.08	1.028	0.971	1.6
Body front	RMC 12.2kbps	4183	836.4	0.010	0.333	22.20	22.17	1.007	0.335	1.6
Edge 2(Right)	RMC 12.2kbps	4183	836.4	0.270	0.297	22.20	22.17	1.007	0.299	1.6
Edge 3(Bottom)	RMC 12.2kbps	4183	836.4	-1.260	0.378	22.20	22.17	1.007	0.381	1.6
Edge 4(Left)	RMC 12.2kbps	4183	836.4	0.080	0.238	22.20	22.17	1.007	0.240	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Feature 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	-1.180	0.373	22.75	22.01	1.186	0.442	1.6
		Left Tilt	1	0	18900	1880	-1.460	0.165	22.75	22.01	1.186	0.196	1.6
		Right Cheek	1	0	18900	1880	-1.160	0.218	22.75	22.01	1.186	0.258	1.6
		Right Tilt	1	0	18900	1880	-0.390	0.177	22.75	22.01	1.186	0.210	1.6
		Body back	1	0	18700	1860	-0.620	0.997	22.75	22.72	1.007	1.004	1.6
		Body back	1	0	18900	1880	-0.160	1.002	22.75	22.01	1.186	1.188	1.6
		Body back	1	0	19100	1900	-1.100	0.997	22.75	22.54	1.050	1.046	1.6
		Body front	1	0	18900	1880	-1.580	0.619	22.75	22.01	1.186	0.734	1.6
		Edge 2(Right)	1	0	18900	1880	-6.860	0.311	22.75	22.01	1.186	0.369	1.6
		Edge 3(Bottom)	1	0	18900	1880	-4.870	0.462	22.75	22.01	1.186	0.548	1.6
		Edge 4(Left)	1	0	18900	1880	-0.390	0.158	22.75	22.01	1.186	0.187	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Feature 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	0.150	0.671	21.80	21.71	1.021	0.685	1.6
		Left Tilt	1	0	20175	1732.5	-2.280	0.531	21.80	21.71	1.021	0.542	1.6
		Right Cheek	1	0	20175	1732.5	-4.210	0.441	21.80	21.71	1.021	0.450	1.6
		Right Tilt	1	0	20175	1732.5	-0.860	0.541	21.80	21.71	1.021	0.552	1.6
		Body back	1	0	20050	1720	-1.320	1.119	23.20	23.18	1.005	1.124	1.6
		Body back	1	0	20175	1732.5	0.070	1.121	21.80	21.71	1.021	1.144	1.6
		Body back	1	0	20300	1745	-1.020	1.087	23.20	22.96	1.057	1.149	1.6
		Body front	1	0	20050	1720	-0.520	0.951	23.20	23.18	1.005	0.955	1.6
		Body front	1	0	20175	1732.5	-1.670	0.966	21.80	21.71	1.021	0.986	1.6
		Body front	1	0	20300	1745	-0.240	0.962	23.20	22.96	1.057	1.017	1.6
		Edge 2(Right)	1	0	20175	1732.5	-3.230	0.748	21.80	21.71	1.021	0.764	1.6
		Edge 3(Bottom)	1	0	20175	1732.5	0.480	0.887	23.20	23.18	1.005	0.891	1.6
		Edge 3(Bottom)	1	0	20175	1732.5	0.100	0.900	21.80	21.71	1.021	0.919	1.6
		Edge 3(Bottom)	1	0	20175	1732.5	-0.480	0.904	23.20	22.96	1.057	0.955	1.6
		Edge 4(Left)	1	0	20175	1732.5	-1.420	0.562	21.80	21.71	1.021	0.574	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Feature 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	-0.010	0.442	21.80	21.79	1.002	0.443	1.6
		Left Tilt	1	0	20525	836.5	-0.020	0.328	21.80	21.79	1.002	0.329	1.6
		Right Cheek	1	0	20525	836.5	0.310	0.368	21.80	21.79	1.002	0.369	1.6
		Right Tilt	1	0	20525	836.5	0.570	0.301	21.80	21.79	1.002	0.302	1.6
		Body back	1	0	20450	829	-1.830	1.149	22.90	22.81	1.021	1.173	1.6
		Body back	1	0	20525	836.5	-1.330	1.158	21.80	21.79	1.002	1.161	1.6
		Body back	1	0	20600	844	-0.350	1.166	22.80	22.73	1.016	1.185	1.6
		Body front	1	0	20525	836.5	-0.580	0.360	21.80	21.79	1.002	0.361	1.6
		Edge 2(Right)	1	0	20525	836.5	0.980	0.257	21.80	21.79	1.002	0.258	1.6
		Edge 3(Bottom)	1	0	20525	836.5	-2.240	0.479	21.80	21.79	1.002	0.480	1.6
		Edge 4(Left)	1	0	20525	836.5	0.420	0.286	21.80	21.79	1.002	0.287	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Feature Phone													
Test Mode: LTE Band 7													
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift ($\leq \pm 5\%$)	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	1.410	0.286	21.50	21.23	1.064	0.304	1.6
		Left Tilt	1	0	21100	2535	3.400	0.094	21.50	21.23	1.064	0.100	1.6
		Right Cheek	1	0	21100	2535	-1.820	0.343	21.50	21.23	1.064	0.365	1.6
		Right Tilt	1	0	21100	2535	-4.310	0.099	21.50	21.23	1.064	0.105	1.6
		Body back	1	0	20850	2510	-1.900	0.797	22.30	22.14	1.038	0.827	1.6
		Body back	1	0	21100	2535	-1.810	0.964	21.50	21.23	1.064	1.026	1.6
		Body back	1	0	21350	2560	-1.420	0.851	22.30	21.96	1.081	0.920	1.6
		Body front	1	0	21100	2535	-2.550	0.666	21.50	21.23	1.064	0.709	1.6
		Edge 2(Right)	1	0	21100	2535	-2.210	0.638	21.50	21.23	1.064	0.679	1.6
		Edge 3(Bottom)	1	0	21100	2535	-3.050	0.526	21.50	21.23	1.064	0.560	1.6
		Edge 4(Left)	1	0	21100	2535	0.526	0.139	21.50	21.23	1.064	0.148	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Feature Phone													
Test Mode: LTE Band 12													
BM MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift ($\pm 5\%$)	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	1.370	0.192	23.30	22.07	1.327	0.255	1.6
		Left Tilt	1	0	23095	707.5	2.260	0.131	23.30	22.07	1.327	0.174	1.6
		Right Cheek	1	0	23095	707.5	0.540	0.178	23.30	22.07	1.327	0.236	1.6
		Right Tilt	1	0	23095	707.5	-0.990	0.145	23.30	22.07	1.327	0.192	1.6
		Body back	1	0	23060	704	-0.090	0.473	23.30	23.06	1.057	0.500	1.6
		Body back	1	0	23095	707.5	-0.330	0.513	23.30	22.07	1.327	0.681	1.6
		Body back	1	0	23130	711	0.730	0.467	23.30	22.83	1.114	0.520	1.6
		Body front	1	0	23095	707.5	0.210	0.136	23.30	22.07	1.327	0.181	1.6
		Edge 2(Right)	1	0	23095	707.5	0.380	0.191	23.30	22.07	1.327	0.254	1.6
		Edge 3(Bottom)	1	0	23095	707.5	0.623	0.103	23.30	22.07	1.327	0.137	1.6
		Edge 4(Left)	1	0	23095	707.5	1.240	0.245	23.30	22.07	1.327	0.325	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Feature 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	-0.310	0.261	23.20	22.06	1.300	0.339	1.6
		Left Tilt	1	0	23790	710	0.030	0.180	23.20	22.06	1.300	0.234	1.6
		Right Cheek	1	0	23790	710	-2.190	0.242	23.20	22.06	1.300	0.315	1.6
		Right Tilt	1	0	23790	710	1.710	0.185	23.20	22.06	1.300	0.241	1.6
		Body back	1	0	23780	709	0.660	0.521	23.20	22.91	1.069	0.557	1.6
		Body back	1	0	23790	710	1.270	0.515	23.20	22.06	1.300	0.670	1.6
		Body back	1	0	23800	711	0.600	0.523	23.20	23.03	1.040	0.544	1.6
		Body front	1	0	23790	710	-0.320	0.204	23.20	22.06	1.300	0.265	1.6
		Edge 2(Right)	1	0	23790	710	1.760	0.259	23.20	22.06	1.300	0.337	1.6
		Edge 3(Bottom)	1	0	23790	710	3.320	0.166	23.20	22.06	1.300	0.216	1.6
		Edge 4(Left)	1	0	23790	710	0.920	0.305	23.20	22.06	1.300	0.397	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: LTE smartphone													
Test Mode: LTE Band 66													
BW MHz	MOD	Position	Test Mode		Ch.	Freq. (MHz)	Power Drift ($\leq \pm 5\%$)	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	132322	1745	-0.590	0.653	21.60	21.56	1.009	0.659	1.6
		Left Tilt	1	0	132322	1745	-0.440	0.499	21.60	21.56	1.009	0.504	1.6
		Right Cheek	1	0	132322	1745	-0.970	0.507	21.60	21.56	1.009	0.512	1.6
		Right Tilt	1	0	132322	1745	-1.000	0.571	21.60	21.56	1.009	0.576	1.6
		Body back	1	0	132072	1720	0.200	1.091	22.90	22.85	1.012	1.104	1.6
		Body back	1	0	132322	1745	0.250	1.101	21.60	21.56	1.009	1.111	1.6
		Body back	1	0	132572	1770	-0.770	1.102	23.30	23.27	1.007	1.110	1.6
		Body front	1	0	132072	1720	-0.950	0.935	22.90	22.85	1.012	0.946	1.6
		Body front	1	0	132322	1745	2.040	0.912	21.60	21.56	1.009	0.920	1.6
		Body front	1	0	132572	1770	-0.370	0.955	23.30	23.27	1.007	0.962	1.6
		Edge 2(Right)	1	0	132322	1745	0.190	0.649	21.60	21.56	1.009	0.655	1.6
		Edge 3(Bottom)	1	0	132072	1720	-0.220	0.792	22.90	22.85	1.012	0.801	1.6
		Edge 3(Bottom)	1	0	132322	1745	-1.080	0.804	21.60	21.56	1.009	0.811	1.6
		Edge 3(Bottom)	1	0	132572	1770	0.460	0.810	23.30	23.27	1.007	0.816	1.6
		Edge 4(Left)	1	0	132322	1745	2.900	0.486	21.60	21.56	1.009	0.490	1.6

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SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: Feature 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	-1.060	0.167	16.20	15.54	1.164	0.194	1.6
Left Tilt	DTS	6	2437	-1.580	0.011	16.20	15.54	1.164	0.013	1.6
Right Cheek	DTS	6	2437	-2.440	0.147	16.20	15.54	1.164	0.171	1.6
Right Tilt	DTS	6	2437	-0.140	0.016	16.20	15.54	1.164	0.019	1.6
Body back	DTS	6	2437	-1.690	0.207	16.20	15.54	1.164	0.241	1.6
Body front	DTS	6	2437	-3.840	0.225	16.20	15.54	1.164	0.262	1.6
Edge 4(Left)	DTS	01	2412	-3.790	0.373	16.20	16.13	1.016	0.379	1.6
Edge 4(Left)	DTS	06	2437	-1.070	0.428	16.20	15.54	1.164	0.498	1.6
Edge 4(Left)	DTS	11	2462	0.300	0.379	16.20	15.68	1.127	0.427	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.

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Repeated SAR											
Product: Feature Phone											
Test Mode: GSM850& WCDMA Band II & WCDMA Band V & LTE Band 2& LTE Band 5& LTE Band 7& LTE Band 66											
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
Body back	GPRS-2 slot		251	848.8	0.880	0.804	--	--	--	--	1.6
Body back	RMC 12.2kbps		9262	1852.4	-0.680	0.839	--	--	--	--	1.6
Body back	RMC 12.2kbps		4233	846.6	-1.230	0.940	--	--	--	--	1.6
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									
Body back	1	0	18900	1880	-0.120	1.004	--	--	--	--	1.6
Body back	1	0	20175	1732.5	-1.250	1.071	--	--	--	--	1.6
Body back	1	0	20600	844	0.160	1.165	--	--	--	--	1.6
Body back	1	0	21100	2535	0.120	0.862	--	--	--	--	1.6
Body back	1	0	132572	1770	-0.460	1.095	--	--	--	--	1.6

The second repeated SAR judge reference									
Product: Feature Phone									
Band	Position	Mode		Ch.	Fr. (MHz)	Original SAR (1g) (W/kg)	First SAR (1g) (W/kg)	Ratio	Limit
GSM850	Body back	GPRS-2 slot		251	848.8	0.804	0.804	1.000	<1.2
WCDMA Band II	Body back	RMC 12.2kbps		9262	1852.4	0.835	0.839	1.005	<1.2
WCDMA Band V	Body back	RMC 12.2kbps		4233	846.6	0.945	0.940	1.005	<1.2
Band	Position	Mode		Ch.	Fr. (MHz)	Original SAR (1g) (W/kg)	First SAR (1g) (W/kg)	Ratio	Limit
		UL RB Allocation	UL RB START						
LTE Band 2	Body back	1	0	18900	1880	1.002	1.004	1.002	<1.2
LTE Band 4	Body back	1	0	20175	1732.5	1.121	1.071	1.047	<1.2
LTE Band 5	Body back	1	0	20600	844	1.166	1.165	1.001	<1.2
LTE Band 7	Body back	1	0	21100	2535	0.964	0.862	1.118	<1.2
LTE Band 66	Body back	1	0	132572	1770	1.102	1.095	1.006	<1.2

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Simultaneous Multi-band Transmission Evaluation: Application Simultaneous Transmission information:

NO	Simultaneous state	Portable Handset		
		Head	Body-worn	Hotspot
1	GSM(voice)+ WLAN 2.4GHz (data)	Yes	Yes	-
2	GSM(voice)+ Bluetooth(data)	Yes	Yes	-
3	GSM (Data) + WLAN 2.4GHz (data)	-	Yes	Yes
4	GSM (Data) + Bluetooth(data)	-	Yes	Yes
5	WCDMA+ WLAN 2.4GHz (data)	Yes	Yes	Yes
6	WCDMA+ Bluetooth(data)	Yes	Yes	Yes
7	LTE + WLAN 2.4GHz (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 0mm 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:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR³⁰, where
 - f(GHz) is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation³¹
 - 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 < 5 mm, 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

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})/x}] \leq 50 \text{ W/kg}$$
for test separation distances ≤ 50 mm;
where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR.

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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 $(SAR1 + SAR2)1.5/R_i$, 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	6.5	4.467	0	0.185
	Body	6.5	4.467	0	0.185

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	Wi-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.262	0.194		0.456	No
	Left Tilt	0.179	0.013		0.192	No
	Right Touch	0.198	0.171		0.369	No
	Right Tilt	0.145	0.019		0.164	No
Head (voice)	Left Touch	0.262		0.185	0.447	No
	Left Tilt	0.179		0.185	0.364	No
	Right Touch	0.198		0.185	0.383	No
	Right Tilt	0.145		0.185	0.330	No
Body-worn (voice)	Rear	0.786	0.241		1.027	No
		0.786		0.185	0.971	No
	Front	0.194	0.262		0.456	No
		0.194		0.185	0.379	No
Body-worn (Data)	Rear	0.875		0.185	1.060	No
		0.875	0.241		1.116	No
	Front	0.200		0.185	0.385	No
		0.200	0.262		0.462	No
Body-worn (Hotspot)	Edge 4	0.156	0.498		0.654	No
	Edge 4	0.156		0.185	0.341	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	Wi-Fi DTS Band	Bluetooth		
Head (voice)	Left Touch	0.261	0.194		0.455	No
	Left Tilt	0.093	0.013		0.106	No
	Right Touch	0.263	0.171		0.434	No
	Right Tilt	0.120	0.019		0.139	No
Head (voice)	Left Touch	0.261		0.185	0.446	No
	Left Tilt	0.093		0.185	0.278	No
	Right Touch	0.263		0.185	0.448	No
	Right Tilt	0.120		0.185	0.305	No
Body-worn (voice)	Rear	0.813	0.241		1.054	No
		0.813		0.185	0.998	No
	Front	0.354	0.262		0.616	No
		0.354		0.185	0.539	No
Body-worn (Data)	Rear	0.668		0.185	0.853	No
		0.668	0.241		0.909	No
	Front	0.310		0.185	0.495	No
		0.310	0.262		0.572	No
Body-worn (Hotspot)	Edge 4	0.092	0.498		0.590	No
	Edge 4	0.092		0.185	0.277	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.388	0.194		0.582	No
	Left Tilt	0.179	0.013		0.192	No
	Right Touch	0.314	0.171		0.485	No
	Right Tilt	0.198	0.019		0.217	No
Head	Left Touch	0.388		0.185	0.573	No
	Left Tilt	0.179		0.185	0.364	No
	Right Touch	0.314		0.185	0.499	No
	Right Tilt	0.198		0.185	0.383	No
Body-worn	Rear	0.846	0.241		1.087	No
	Front	0.448	0.262		0.710	No
	Edge 4	0.118	0.498		0.616	No
	Rear	0.846		0.185	1.031	No
	Front	0.448		0.185	0.633	No
	Edge 4	0.118		0.185	0.303	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.330	0.194		0.524	No
	Left Tilt	0.216	0.013		0.229	No
	Right Touch	0.257	0.171		0.428	No
	Right Tilt	0.223	0.019		0.242	No
Head	Left Touch	0.330		0.185	0.515	No
	Left Tilt	0.216		0.185	0.401	No
	Right Touch	0.257		0.185	0.442	No
	Right Tilt	0.223		0.185	0.408	No
Body-worn	Rear	0.971	0.241		1.212	No
	Front	0.335	0.262		0.597	No
	Edge 4	0.240	0.498		0.738	No
	Rear	0.971		0.185	1.156	No
	Front	0.335		0.185	0.520	No
	Edge 4	0.240		0.185	0.425	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.442	0.194		0.636	No
	Left Tilt	0.196	0.013		0.209	No
	Right Touch	0.258	0.171		0.429	No
	Right Tilt	0.210	0.019		0.229	No
Head	Left Touch	0.442		0.185	0.627	No
	Left Tilt	0.196		0.185	0.381	No
	Right Touch	0.258		0.185	0.443	No
	Right Tilt	0.210		0.185	0.395	No
Body-worn	Rear	1.188	0.241		1.429	No
	Front	0.734	0.262		0.996	No
	Edge 4	0.187	0.498		0.685	No
	Rear	1.188		0.185	1.373	No
	Front	0.734		0.185	0.919	No
	Edge 4	0.187		0.185	0.372	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.685	0.194		0.879	No
	Left Tilt	0.542	0.013		0.555	No
	Right Touch	0.450	0.171		0.621	No
	Right Tilt	0.552	0.019		0.571	No
Head	Left Touch	0.685		0.185	0.870	No
	Left Tilt	0.542		0.185	0.727	No
	Right Touch	0.450		0.185	0.635	No
	Right Tilt	0.552		0.185	0.737	No
Body-worn	Rear	1.149	0.241		1.390	No
	Front	1.017	0.262		1.279	No
	Edge 4	0.574	0.498		1.072	No
	Rear	1.149		0.185	1.334	No
	Front	1.017		0.185	1.202	No
	Edge 4	0.574		0.185	0.759	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.443	0.194		0.637	No
	Left Tilt	0.329	0.013		0.342	No
	Right Touch	0.369	0.171		0.540	No
	Right Tilt	0.302	0.019		0.321	No
Head	Left Touch	0.443		0.185	0.628	No
	Left Tilt	0.329		0.185	0.514	No
	Right Touch	0.369		0.185	0.554	No
	Right Tilt	0.302		0.185	0.487	No
Body-worn	Rear	1.185	0.241		1.426	No
	Front	0.361	0.262		0.623	No
	Edge 4	0.287	0.498		0.785	No
	Rear	1.185		0.185	1.370	No
	Front	0.361		0.185	0.546	No
	Edge 4	0.287		0.185	0.472	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.304	0.194		0.498	No
	Left Tilt	0.100	0.013		0.113	No
	Right Touch	0.365	0.171		0.536	No
	Right Tilt	0.105	0.019		0.124	No
Head	Left Touch	0.304		0.185	0.489	No
	Left Tilt	0.100		0.185	0.285	No
	Right Touch	0.365		0.185	0.550	No
	Right Tilt	0.105		0.185	0.290	No
Body-worn	Rear	1.026	0.241		1.267	No
	Front	0.709	0.262		0.971	No
	Edge 4	0.148	0.498		0.646	No
	Rear	1.026		0.185	1.211	No
	Front	0.709		0.185	0.894	No
	Edge 4	0.148		0.185	0.333	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 12	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.255	0.194		0.449	No
	Left Tilt	0.174	0.013		0.187	No
	Right Touch	0.236	0.171		0.407	No
	Right Tilt	0.192	0.019		0.211	No
Head	Left Touch	0.255		0.185	0.440	No
	Left Tilt	0.174		0.185	0.359	No
	Right Touch	0.236		0.185	0.421	No
	Right Tilt	0.192		0.185	0.377	No
Body-worn	Rear	0.681	0.241		0.922	No
	Front	0.181	0.262		0.443	No
	Edge 4	0.325	0.498		0.823	No
	Rear	0.681		0.185	0.866	No
	Front	0.181		0.185	0.366	No
	Edge 4	0.325		0.185	0.510	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is "The SAR to Peak Location Separation Ratio "

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 17	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.339	0.194		0.533	No
	Left Tilt	0.234	0.013		0.247	No
	Right Touch	0.315	0.171		0.486	No
	Right Tilt	0.241	0.019		0.260	No
Head	Left Touch	0.339		0.185	0.524	No
	Left Tilt	0.234		0.185	0.419	No
	Right Touch	0.315		0.185	0.500	No
	Right Tilt	0.241		0.185	0.426	No
Body-worn	Rear	0.670	0.241		0.911	No
	Front	0.265	0.262		0.527	No
	Edge 4	0.397	0.498		0.895	No
	Rear	0.670		0.185	0.855	No
	Front	0.265		0.185	0.450	No
	Edge 4	0.397		0.185	0.582	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

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

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 66	Wi-Fi DTS Band	Bluetooth		
Head	Left Touch	0.659	0.194		0.853	No
	Left Tilt	0.504	0.013		0.517	No
	Right Touch	0.512	0.171		0.683	No
	Right Tilt	0.576	0.019		0.595	No
Head	Left Touch	0.659		0.185	0.844	No
	Left Tilt	0.504		0.185	0.689	No
	Right Touch	0.512		0.185	0.697	No
	Right Tilt	0.576		0.185	0.761	No
Body-worn	Rear	1.111	0.241		1.352	No
	Front	0.962	0.262		1.224	No
	Edge 4	0.490	0.498		0.988	No
	Rear	1.111		0.185	1.296	No
	Front	0.962		0.185	1.147	No
	Edge 4	0.490		0.185	0.675	No

Note:

- According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- SPLSR mean is “The SAR to Peak Location Separation Ratio “

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APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab

Date: Nov. 11, 2025

System Check Head 750 MHz

DUT: Dipole 750 MHz Type: SID 750

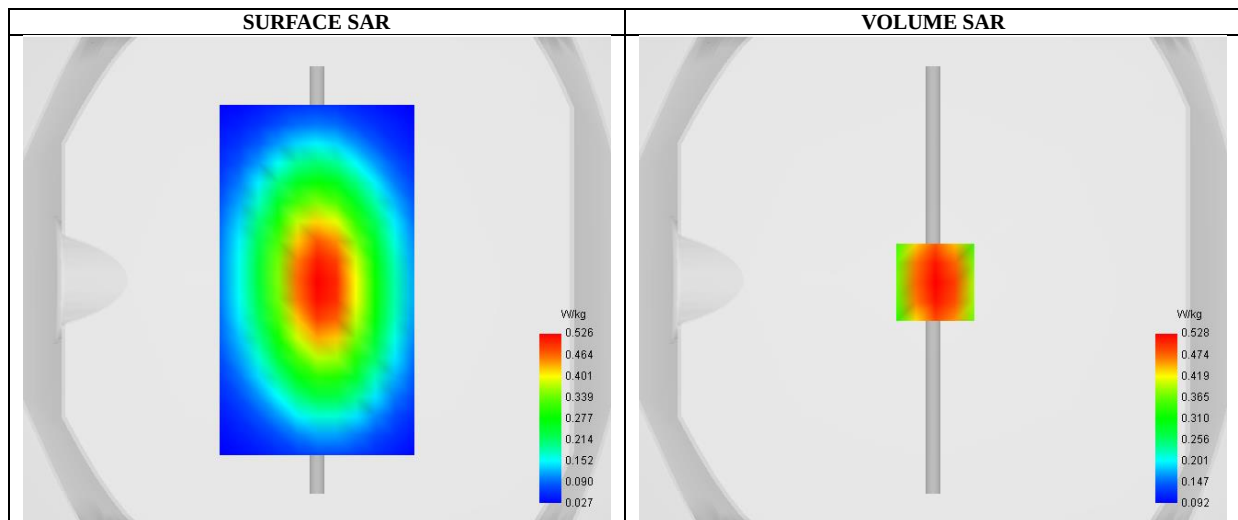
Communication System CW; Communication System Band: D750 (750.0 MHz); Duty Cycle: 1:1; Conv.F=2.30
Frequency: 750 MHz; Medium parameters used: $f = 750$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 42.26$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V5.3.15.8

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



Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 0.66 W/kg

SAR 10g (W/Kg)	0.376
SAR 1g (W/Kg)	0.528
Variation (%)	-2.120
Horizontal validation criteria: minimum distance (mm)	-5.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	75.646701

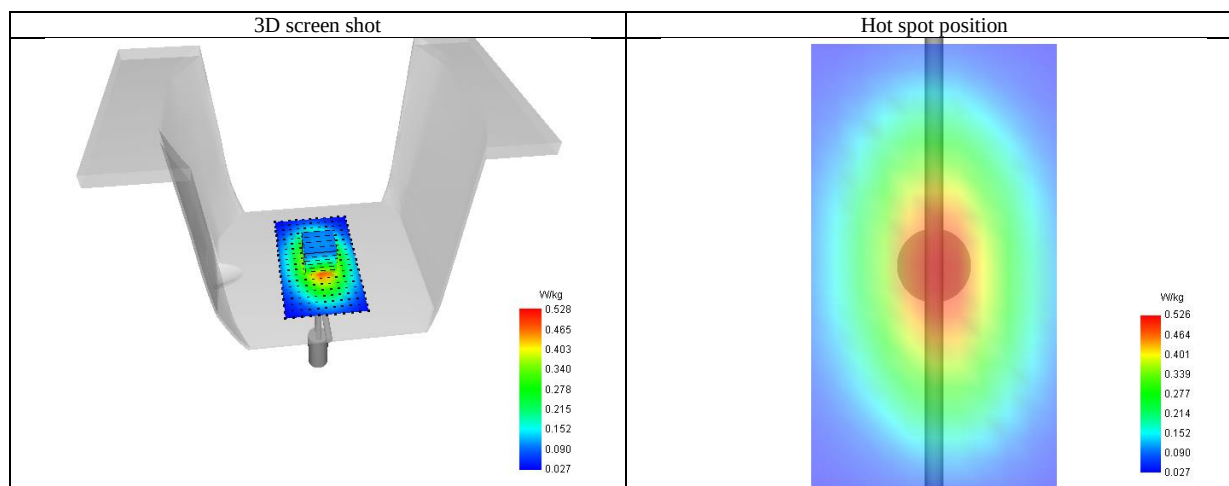
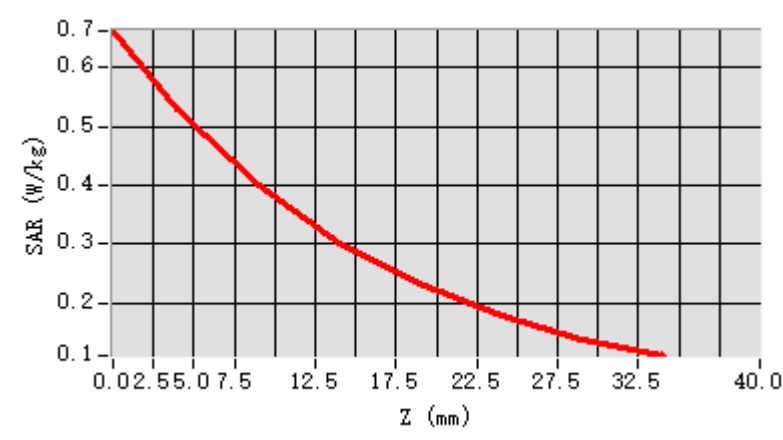
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.681	0.557	0.413	0.321	0.269	0.195	0.153



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Test Laboratory: AGC Lab
System Check Head 835 MHz

Date: Nov. 10, 2025

DUT: Dipole 835 MHz Type: SID 835

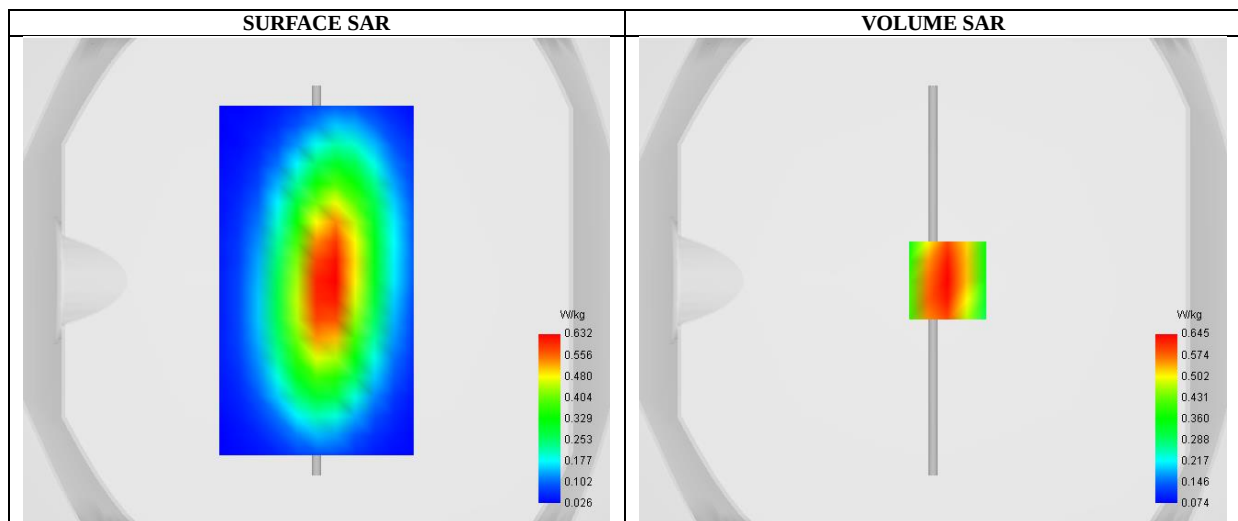
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=2.23
Frequency: 835 MHz; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.91 \text{ mho/m}$; $\epsilon_r = 42.03$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V5.3.15.8

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



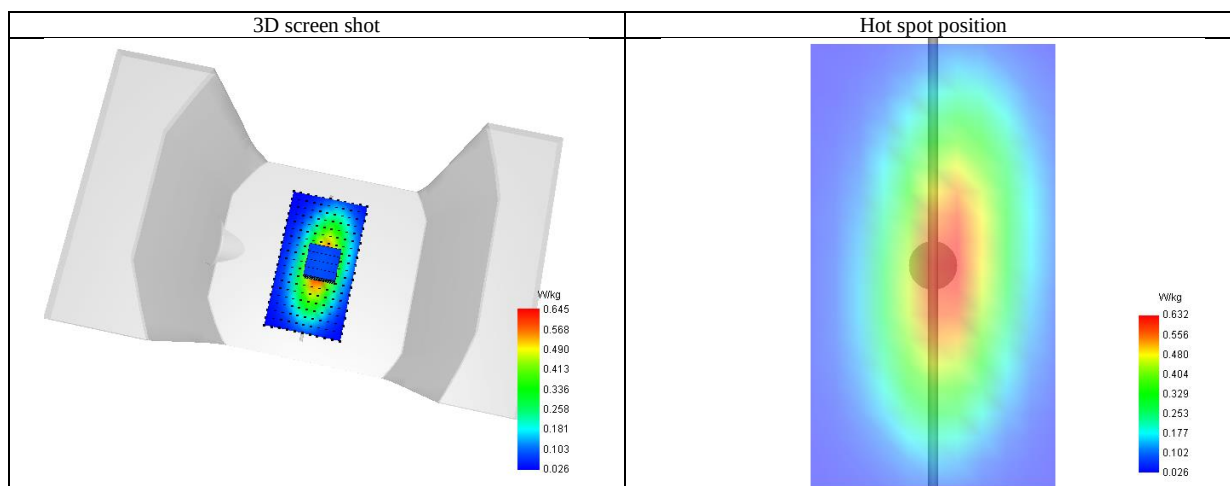
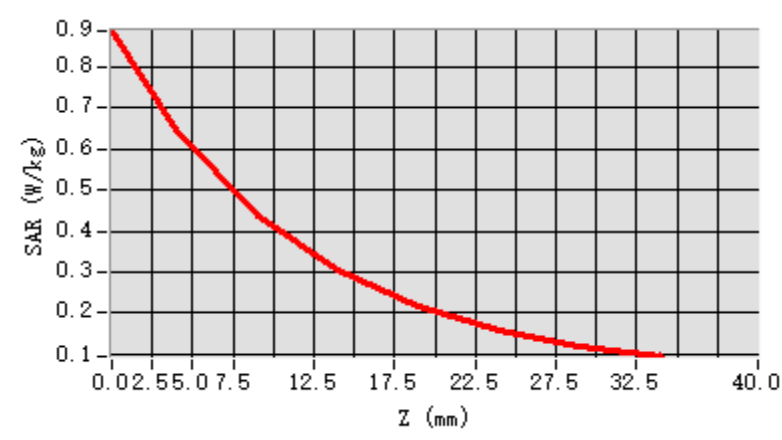
Maximum location: X=6.00, Y=0.00 ; SAR Peak: 0.89 W/kg

SAR 10g (W/Kg)	0.401
SAR 1g (W/Kg)	0.618
Variation (%)	-0.660
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	67.865758

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.887	0.645	0.438	0.305	0.217	0.159	0.118



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

Test Laboratory: AGC Lab
System Check Head 1750MHz

Date: Nov. 08, 2025

DUT: Dipole 1800 MHz; Type: SID 1800

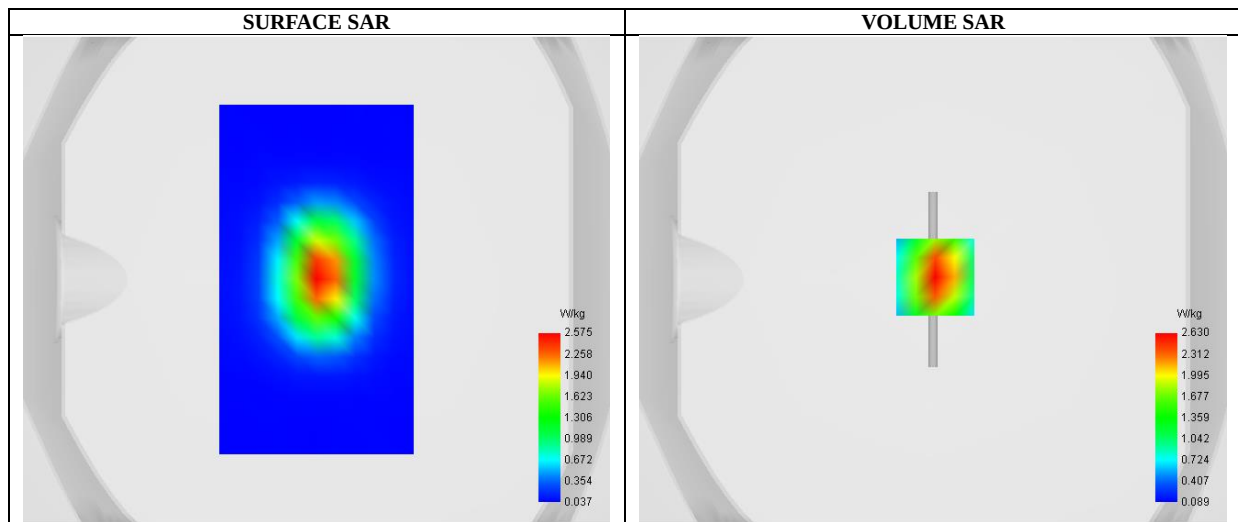
Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=2.33
Frequency: 1750 MHz; Medium parameters used: $f = 1750\text{MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.65$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V5.3.15.8

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



Maximum location: X=1.00, Y=1.00 ; SAR Peak: 4.15 W/kg

SAR 10g (W/Kg)	1.301
SAR 1g (W/Kg)	2.472
Variation (%)	-1.610
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.652443

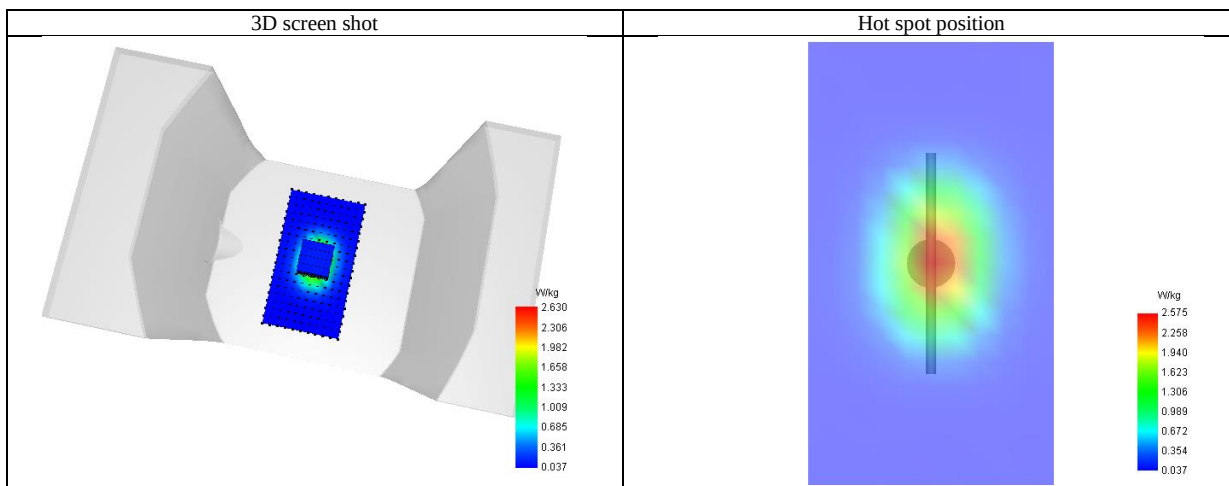
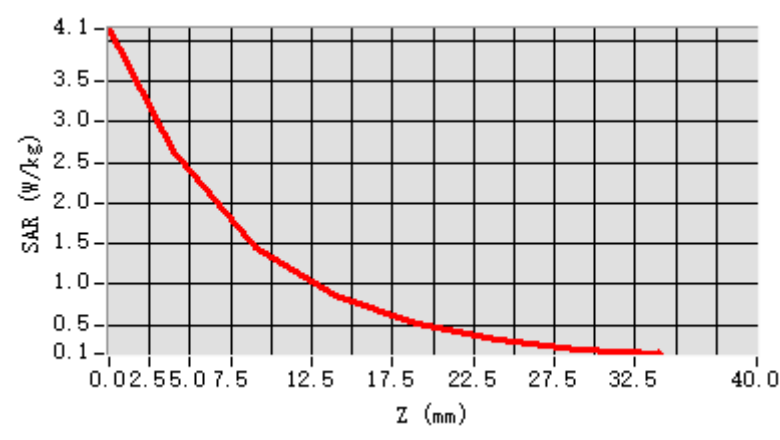
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.144	2.630	1.464	0.857	0.512	0.317	0.206



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

Test Laboratory: AGC Lab
System Check Head 1900MHz

Date: Nov. 09, 2025

DUT: Dipole 1900 MHz; Type: SID 1900

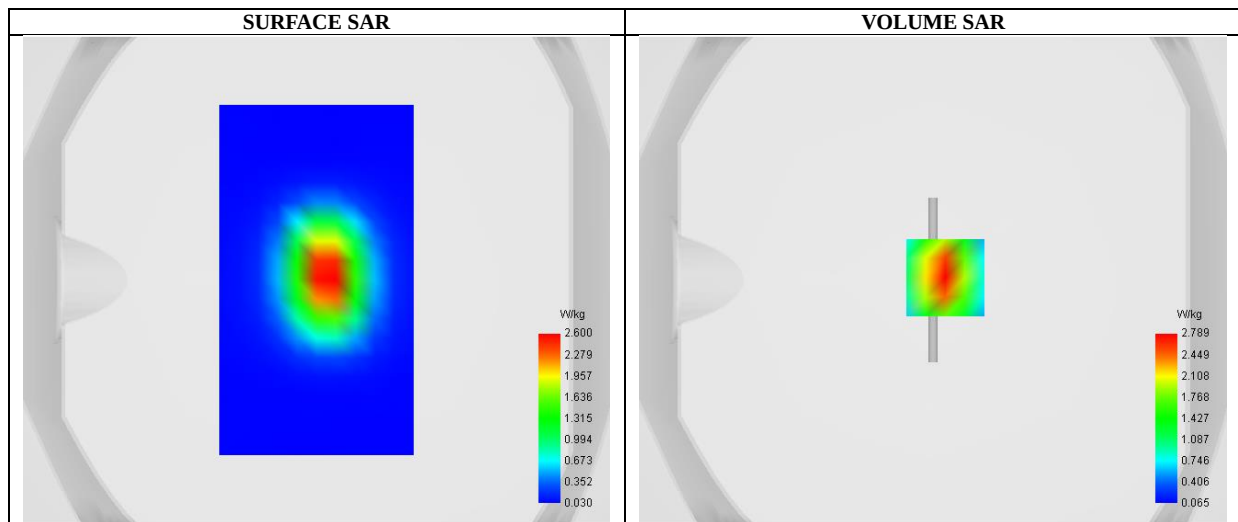
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=2.25
Frequency: 1900 MHz; Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 38.77$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V5.3.15.8

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



Maximum location: X=5.00, Y=1.00 ; SAR Peak: 4.50 W/kg

SAR 10g (W/Kg)	1.313
SAR 1g (W/Kg)	2.611
Variation (%)	-1.260
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	52.527293

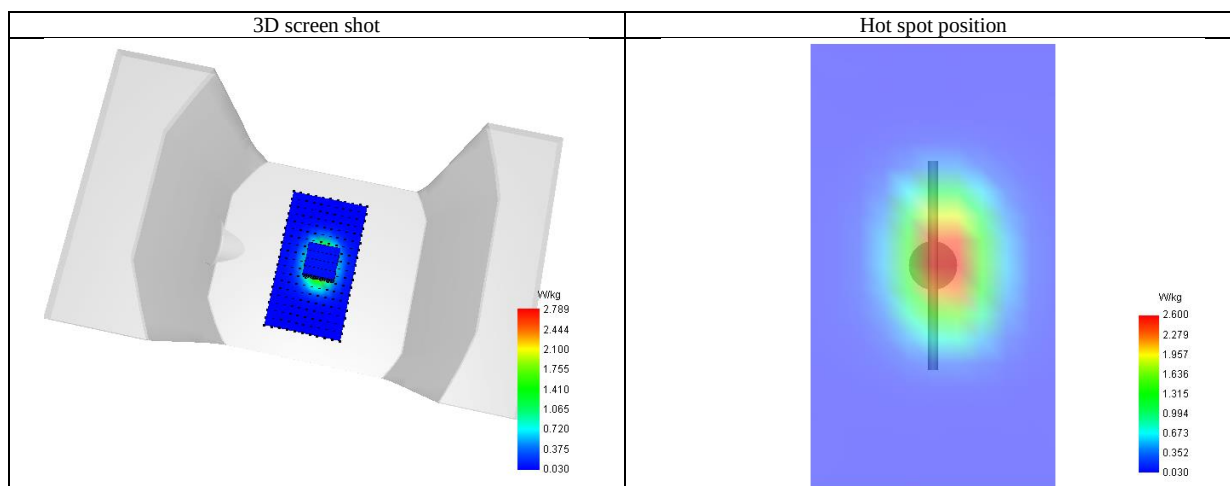
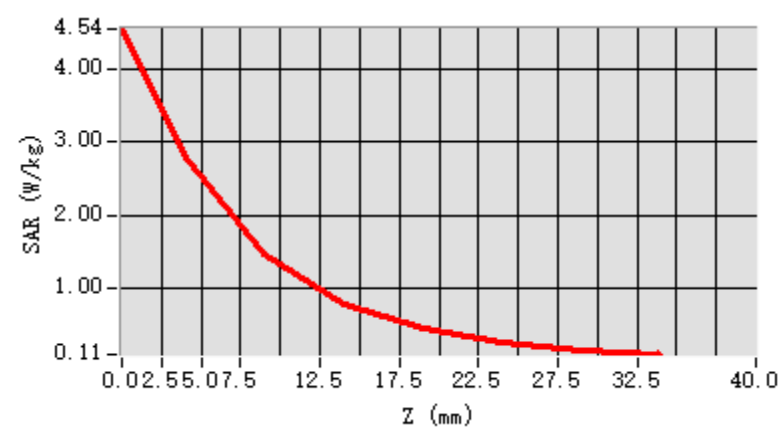
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.542	2.789	1.465	0.805	0.451	0.262	0.164



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Test Laboratory: AGC Lab

Date: Nov. 15, 2025

System Check Head 2450 MHz

DUT: Dipole 2450 MHz Type: SID 2450

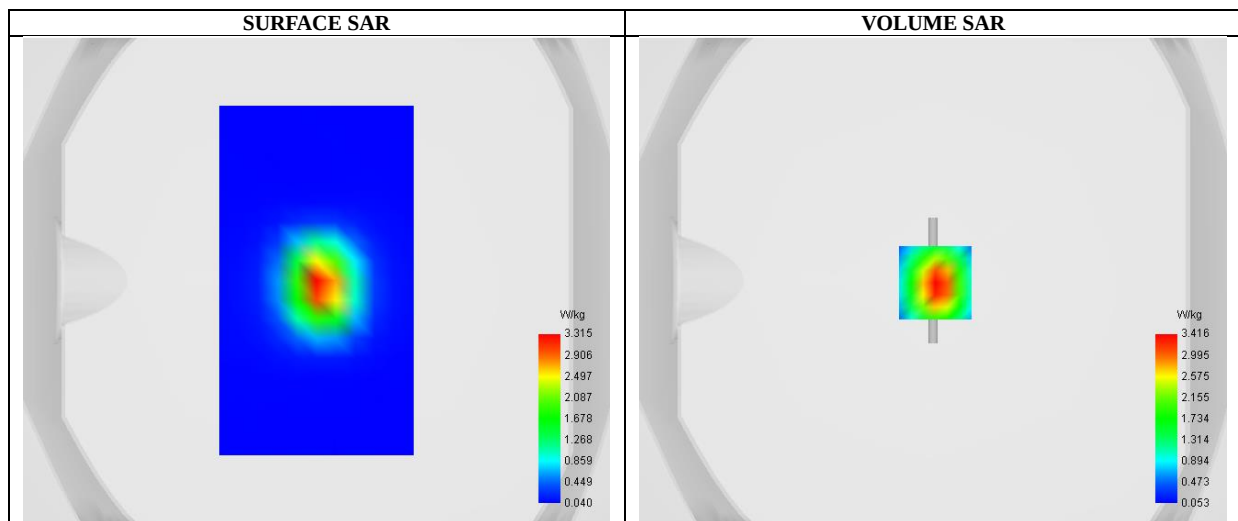
Communication System CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1; Conv.F=2.29
Frequency: 2450 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.79$ mho/m; $\epsilon_r = 38.87$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V5.3.15.8

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



Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 6.04 W/kg

SAR 10g (W/Kg)	1.499
SAR 1g (W/Kg)	3.158
Variation (%)	-0.860
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	44.426142

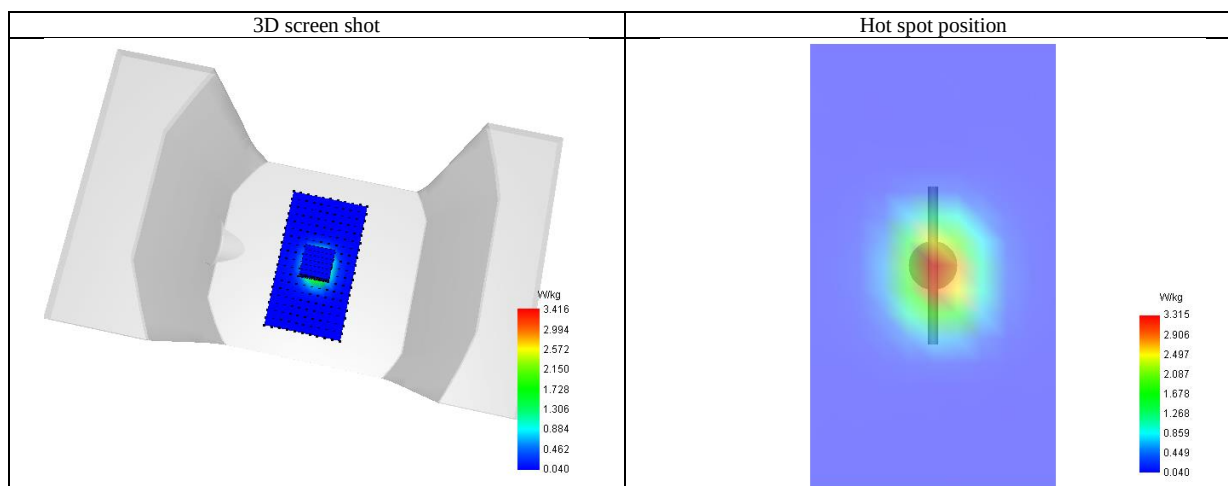
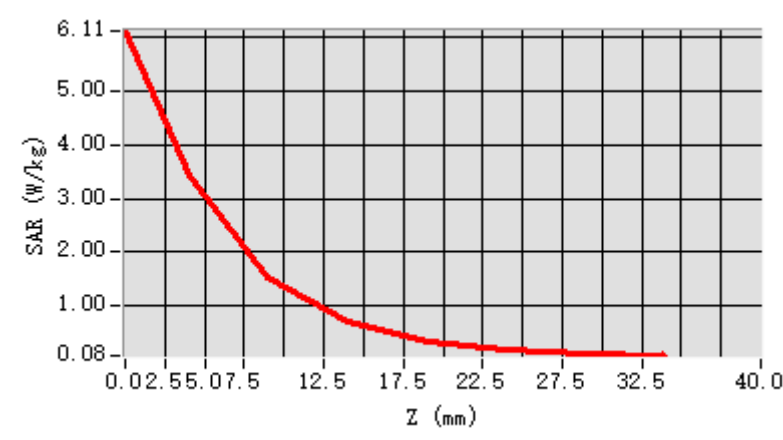
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.113	3.416	1.518	0.700	0.341	0.181	0.111



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Test Laboratory: AGC Lab
System Check Head 2600MHz

Date: Nov. 14, 2025

DUT: Dipole 2600 MHz; Type: SID 2600

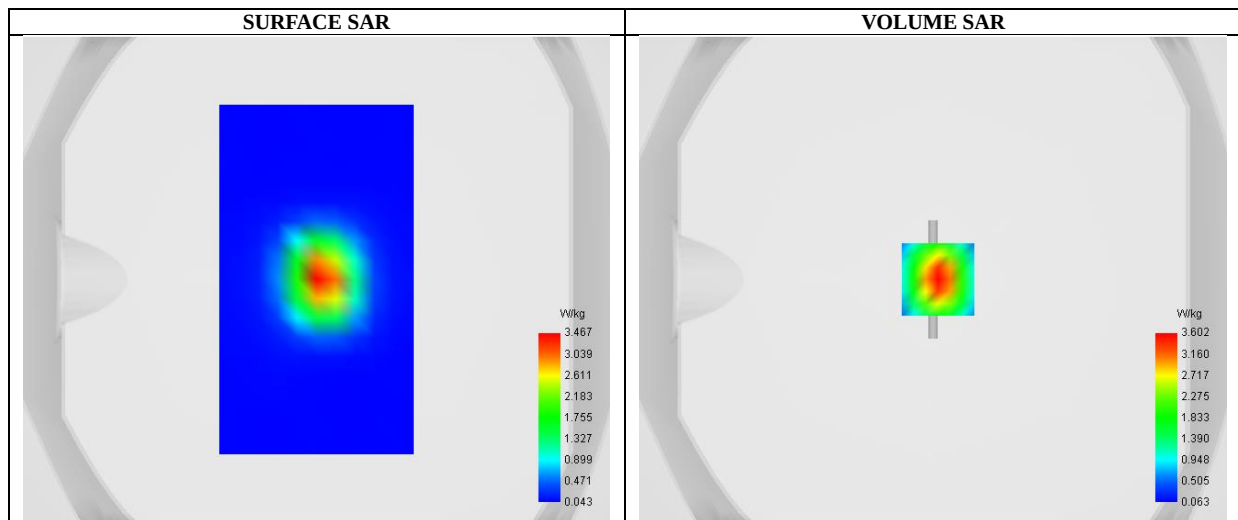
Communication System: CW; Communication System Band: D2600 (2600.0 MHz); Duty Cycle: 1:1; Conv.F=2.19
Frequency:2600 MHz; Medium parameters used: $f = 2600 \text{ MHz}$; $\sigma = 1.91 \text{ mho/m}$; $\epsilon_r = 39.02$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V5.3.15.8

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



Maximum location: X=2.00, Y=0.00 ; SAR Peak: 6.38 W/kg

SAR 10g (W/Kg)	1.439
SAR 1g (W/Kg)	3.307
Variation (%)	-1.810
Horizontal validation criteria: minimum distance (mm)	11.180340
Vertical validation criteria: SAR ratio M2/M1 (%)	44.042192

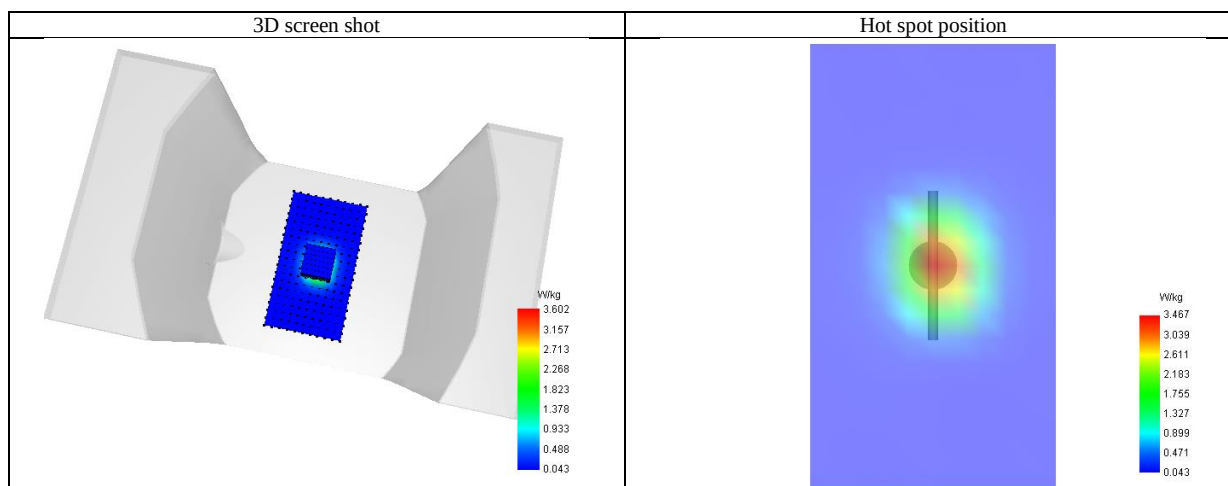
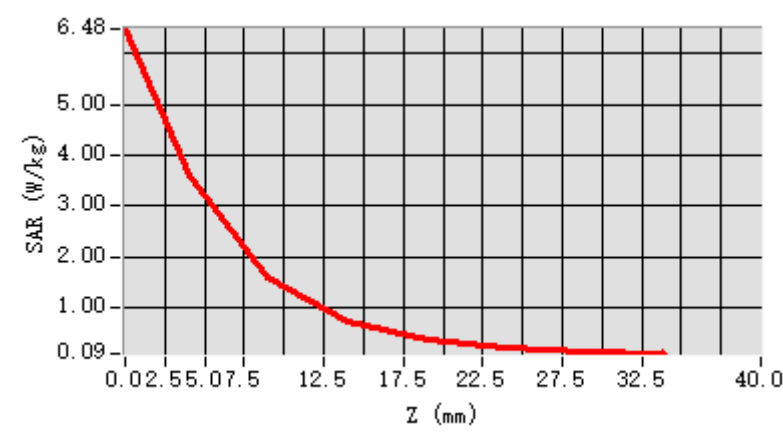
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.484	3.602	1.587	0.732	0.356	0.195	0.117



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APPENDIX B. SAR MEASUREMENT DATA

Test Laboratory: AGC Lab
GSM 850 Mid-Touch-Left <SIM 1>
DUT: Feature Phone; Type: AGM M11

Date: Nov. 10, 2025

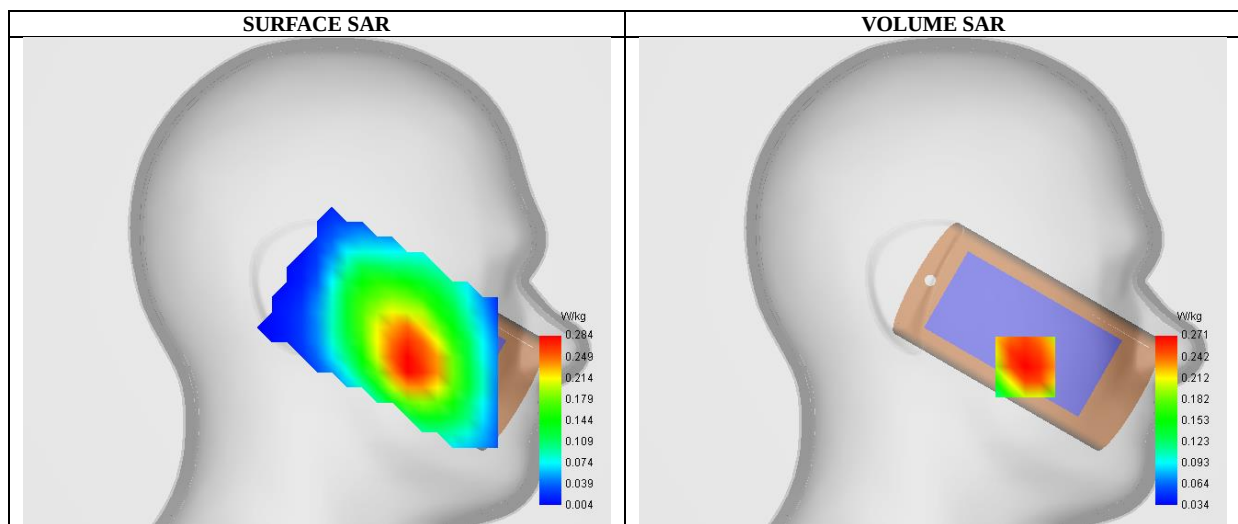
Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=2.23;
Frequency: 836.6 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 41.92$; $\rho = 1000$ kg/m³;
Phantom section: Left Section

SATIMO Configuration

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GSM 850 Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GSM 850 Mid-Touch-Left/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	Left head
Device Position	Cheek
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



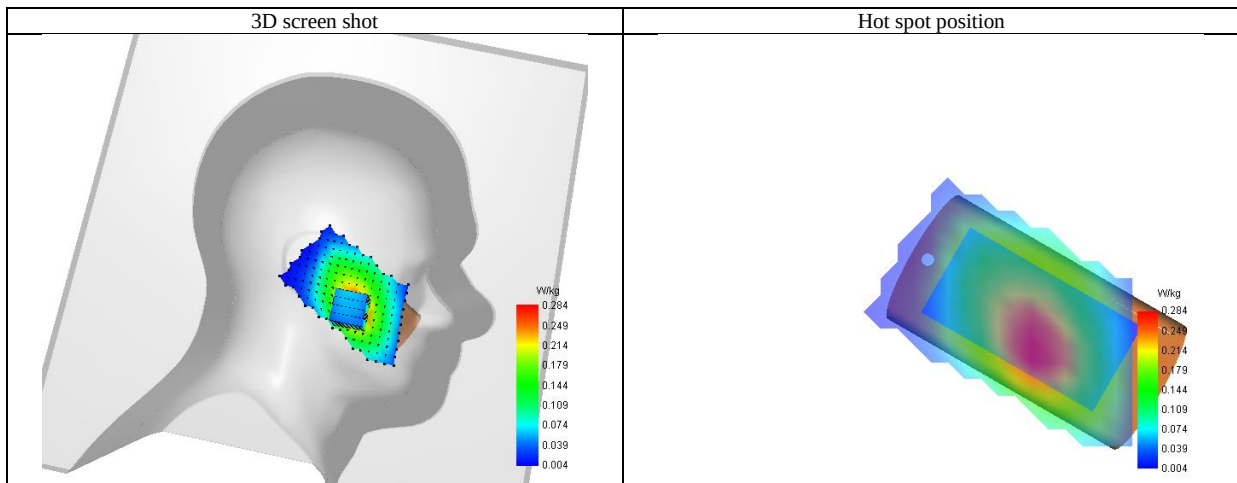
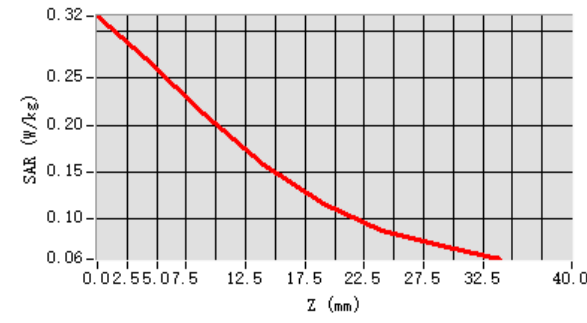
Maximum location: X=-49.00, Y=-45.00 ; SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.176
SAR 1g (W/Kg)	0.260
Variation (%)	-0.810
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	78.007896

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.316	0.271	0.212	0.158	0.117	0.089	0.072



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Test Laboratory: AGC Lab
GSM 850 Mid- Body- Back (MS)<SIM 1>
DUT: Feature Phone; Type: AGM M11

Date: Nov. 10, 2025

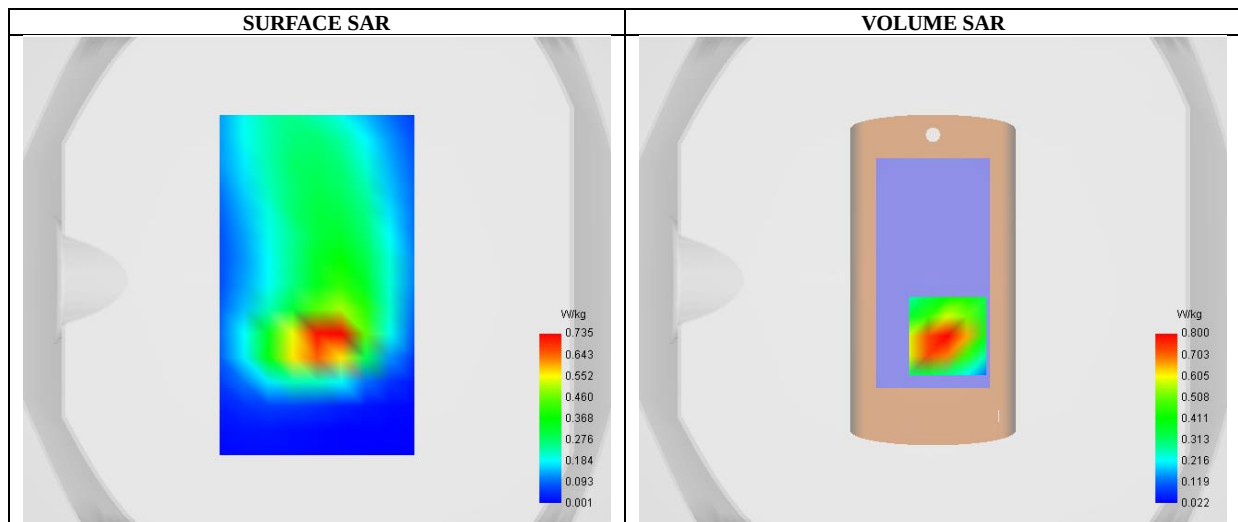
Communication System: Generic GSM; Communication System Band: GSM 850; Duty Cycle: 1:8.3; Conv.F=2.23;
Frequency: 836.6 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 41.92$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GSM 850 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GSM 850 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	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



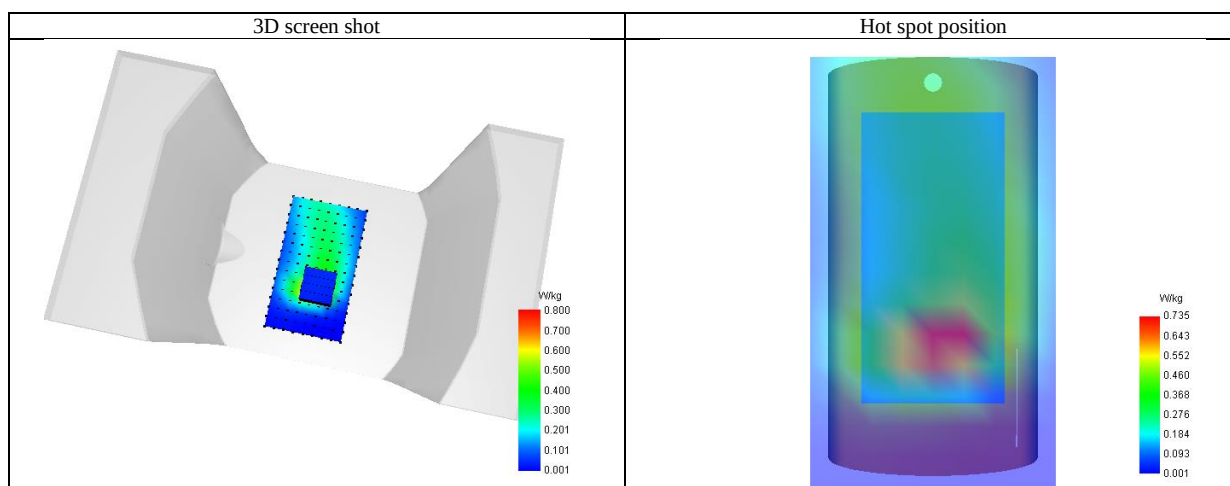
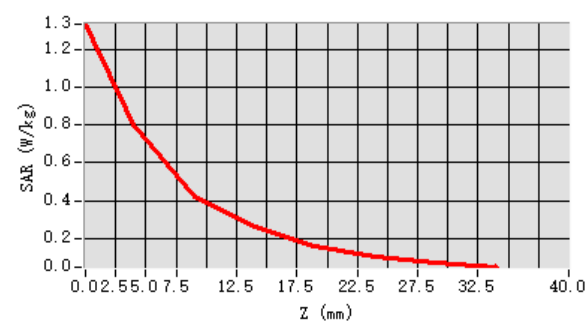
Maximum location: X=6.00, Y=-23.00 ; SAR Peak: 1.36 W/kg

SAR 10g (W/Kg)	0.392
SAR 1g (W/Kg)	0.779
Variation (%)	-0.540
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	52.319887

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.335	0.800	0.418	0.257	0.159	0.105	0.067



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Test Laboratory: AGC Lab
GPRS 850 High- Body- Back (2up)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 10, 2025

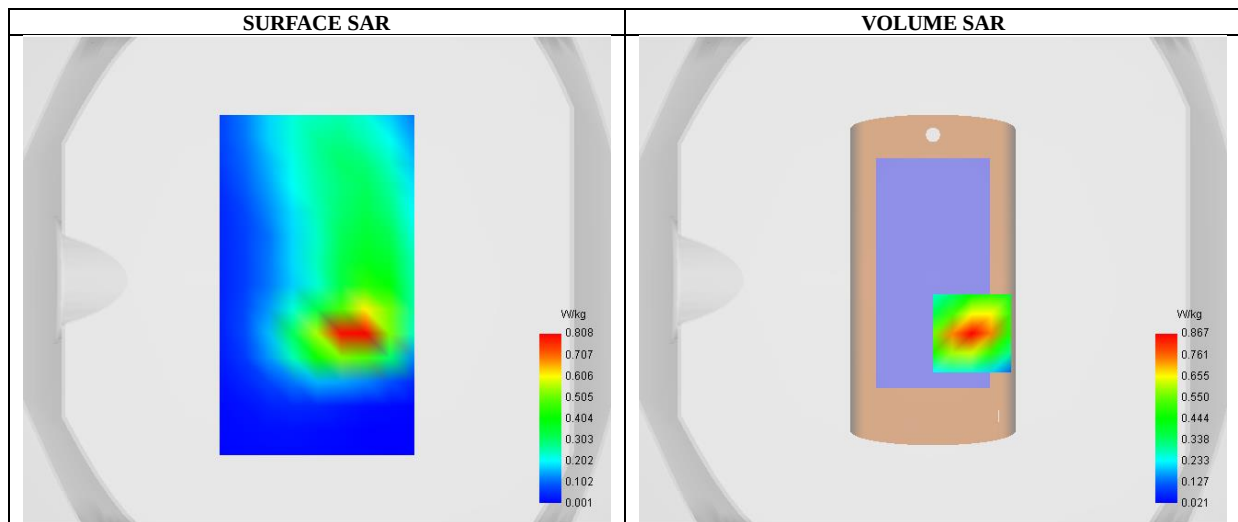
Communication System: GPRS-2 Slot; Communication System Band: GSM 850; Duty Cycle: 1:4.2; Conv.F=2.23;
Frequency: 848.8 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 40.35$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GPRS 850 High -Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS 850 High -Body-Back/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 Back
Band	GSM 850
Channels	High
Signal	TDMA (Crest factor: 4.0)



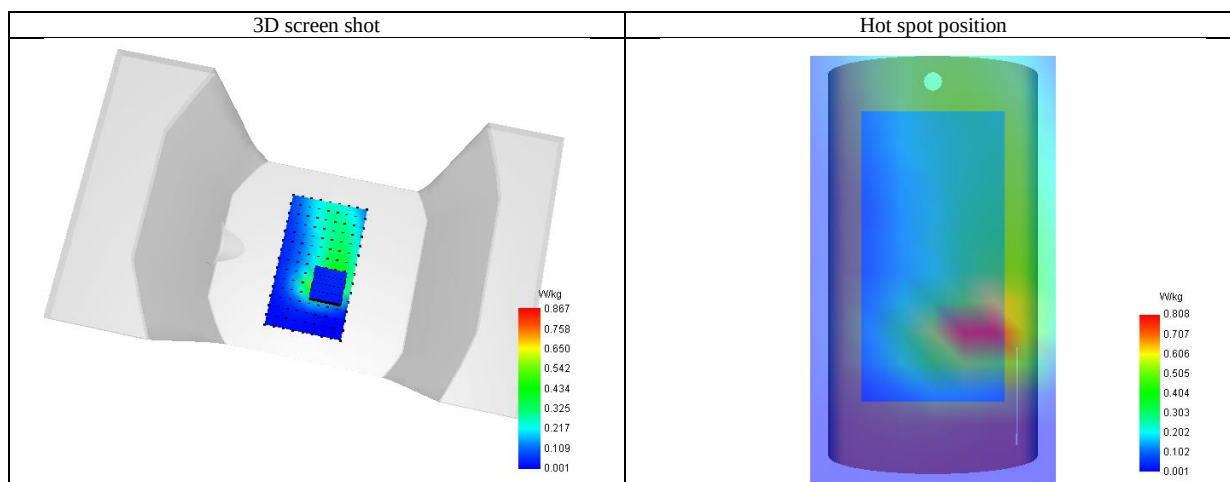
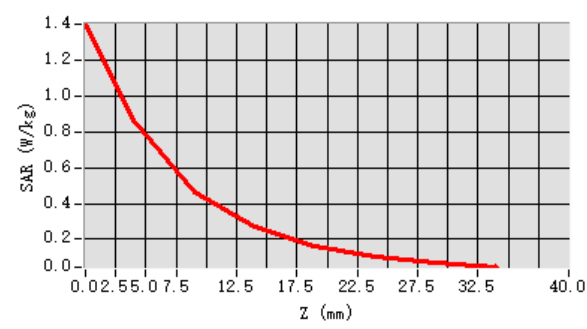
Maximum location: X=16.00, Y=-22.00 ; SAR Peak: 1.40 W/kg

SAR 10g (W/Kg)	0.412
SAR 1g (W/Kg)	0.804
Variation (%)	1.470
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.631770

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.398	0.867	0.465	0.267	0.159	0.106	0.071



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Test Laboratory: AGC Lab
PCS 1900 Mid-Touch-Right <SIM 1>
DUT: Feature Phone; Type: AGM M11

Date: Nov. 09, 2025

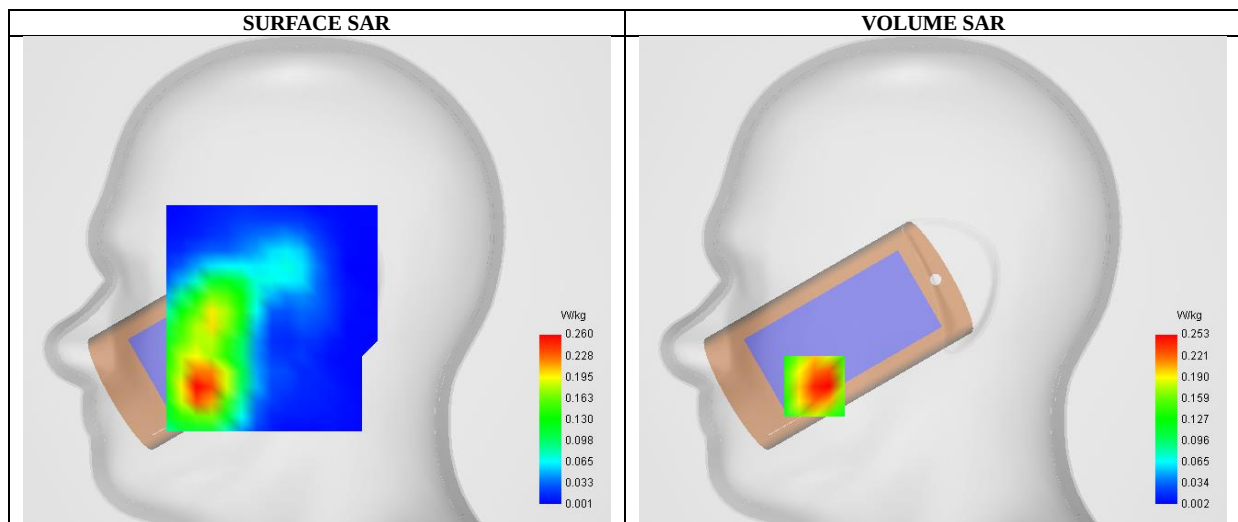
Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=2.25;
Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.13$; $\rho = 1000$ kg/m³ ;
Phantom section: Right Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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)



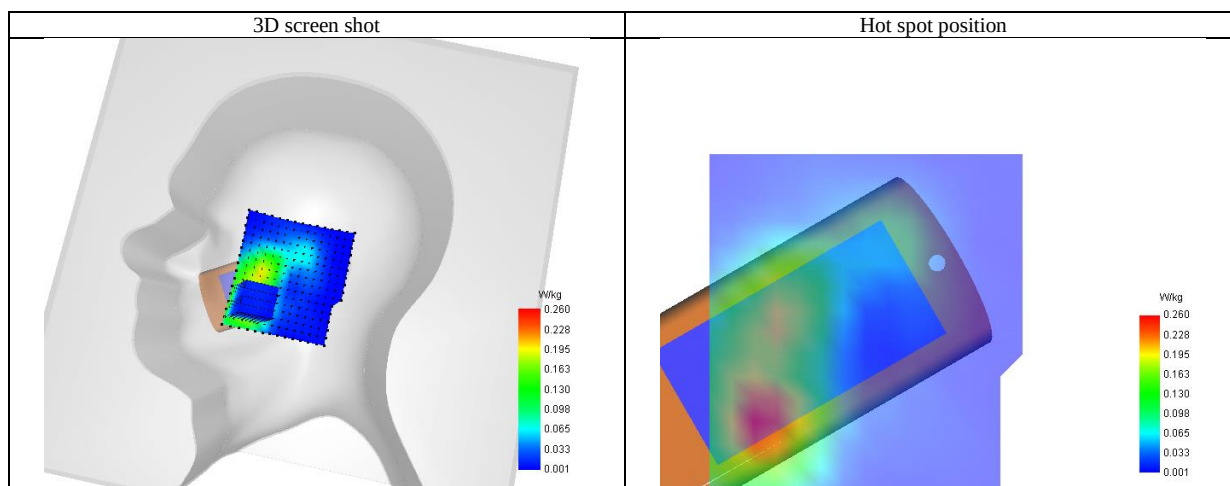
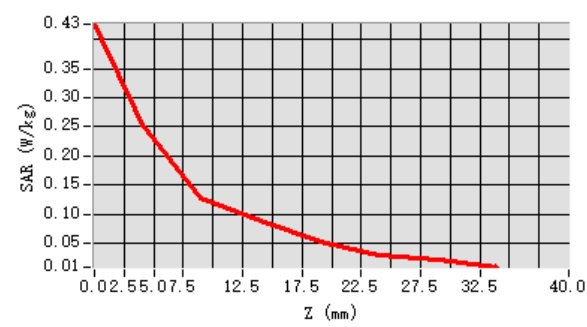
Maximum location: X=-63.00, Y=-56.00 ; SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.139
SAR 1g (W/Kg)	0.247
Variation (%)	-3.410
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	55.885128

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.426	0.253	0.128	0.087	0.053	0.029	0.021



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Test Laboratory: AGC Lab
PCS 1900 Mid-Body-Back (MS)<SIM 1>
DUT: Feature Phone; Type: AGM M11

Date: Nov. 09, 2025

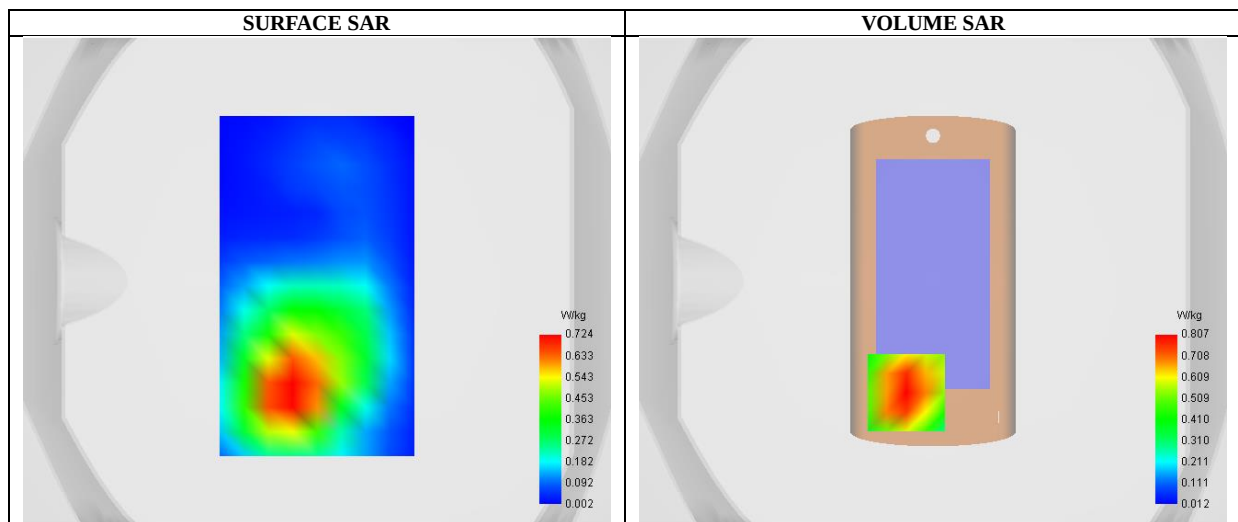
Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=2.25;
Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.13$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

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)

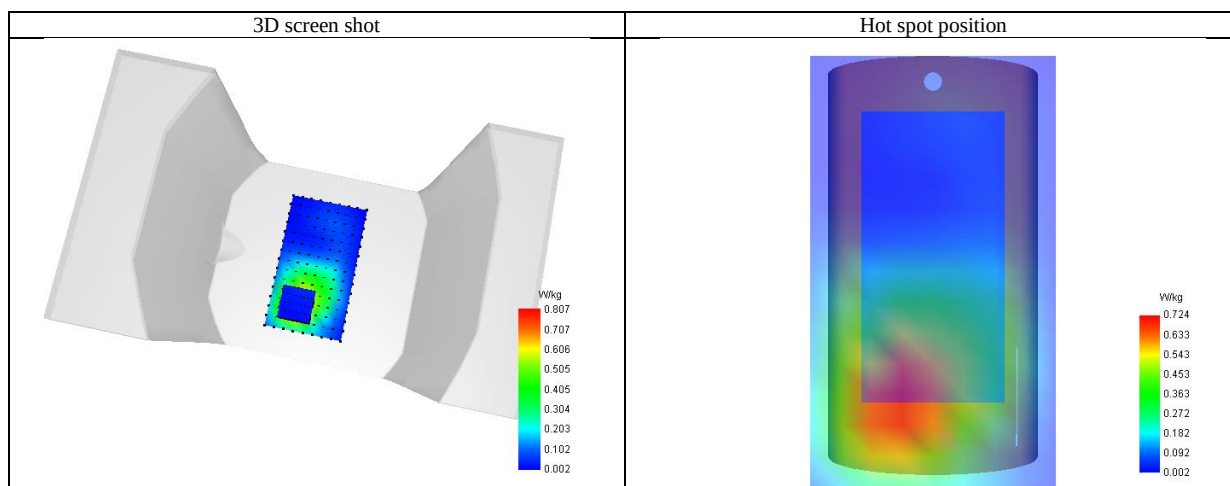
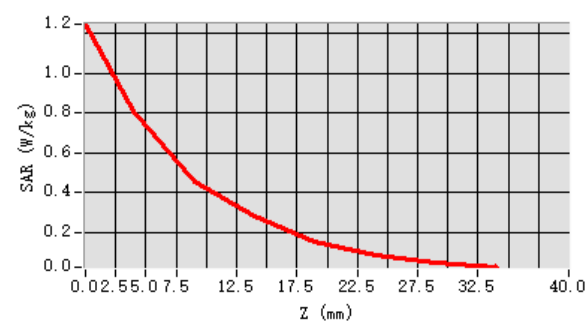


SAR 10g (W/Kg)	0.419
SAR 1g (W/Kg)	0.764
Variation (%)	-4.200
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	56.002198

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.245	0.807	0.452	0.282	0.152	0.084	0.051



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Test Laboratory: AGC Lab
GPRS 1900 Mid-Body-Back (2up)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 09, 2025

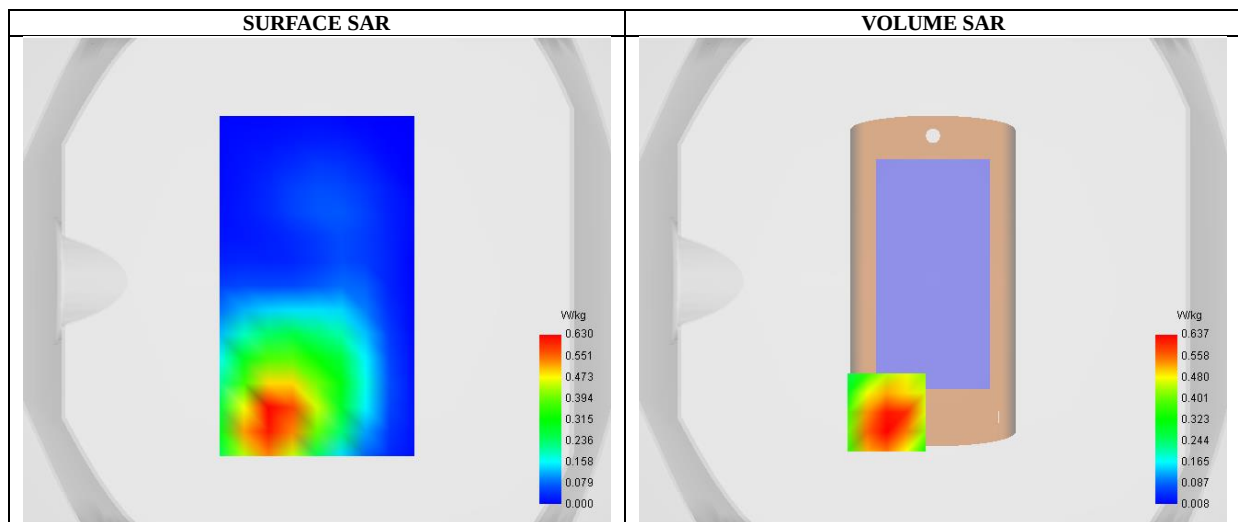
Communication System: GPRS-2Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2; Conv.F=2.25;
Frequency: 1880 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.13$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/GPRS1900 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/GPRS1900 Mid-Body-Back/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 Back
Band	PCS 1900
Channels	Middle
Signal	TDMA (Crest factor: 4.0)



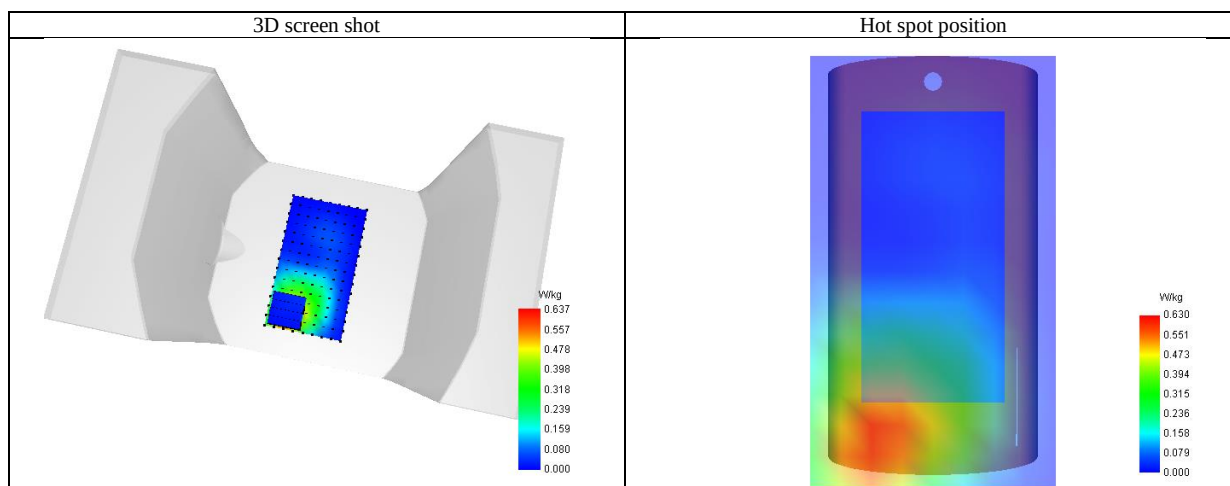
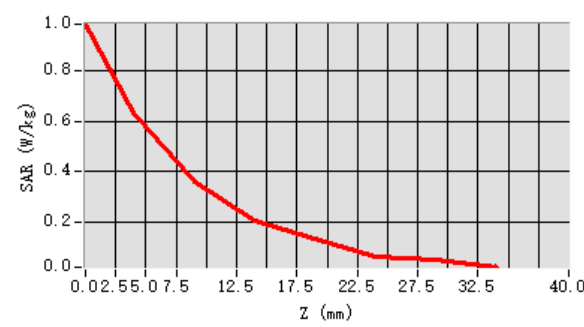
Maximum location: X=-19.00, Y=-54.00 ; SAR Peak: 1.00 W/kg

SAR 10g (W/Kg)	0.350
SAR 1g (W/Kg)	0.616
Variation (%)	-0.020
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	55.933123

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.987	0.637	0.360	0.201	0.131	0.061	0.048



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Test Laboratory: AGC Lab
WCDMA Band II Mid-Touch-Left (RMC)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 09, 2025

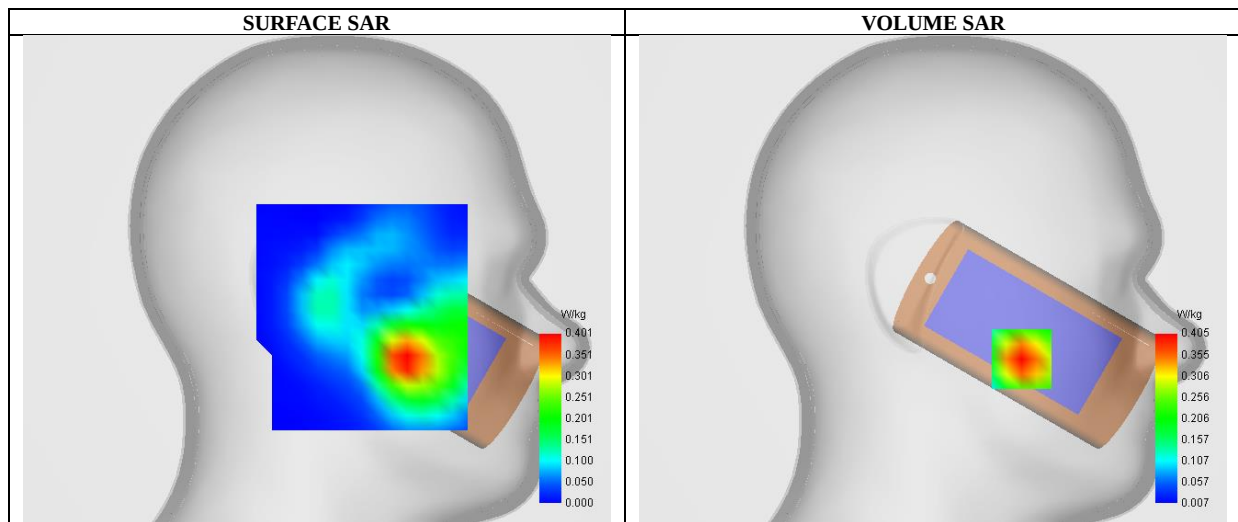
Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=2.25;
Frequency: 1880 MHz; Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.13$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Left Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA Band II Mid-Touch-Left/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA Band II Mid-Touch-Left/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	Left head
Device Position	Cheek
Band	WCDMA Band II
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



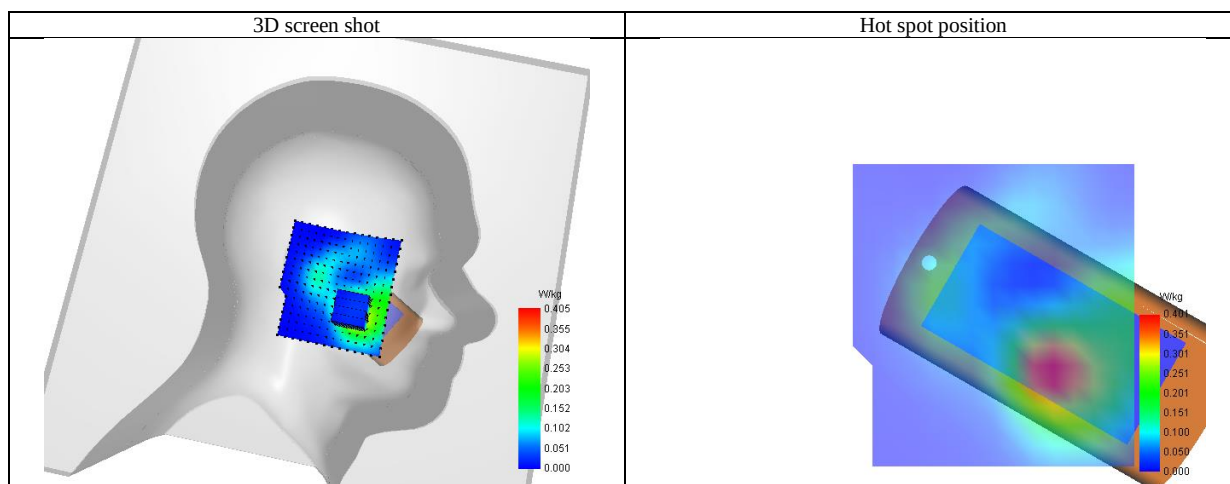
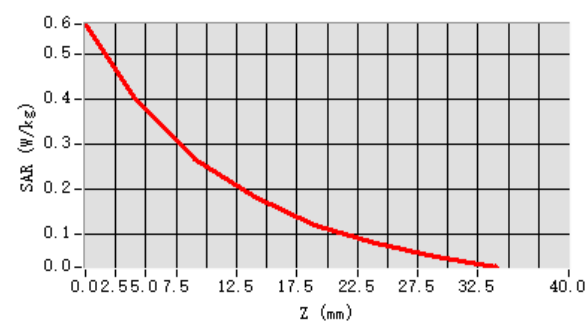
Maximum location: X=-47.00, Y=-42.00 ; SAR Peak: 0.57 W/kg

SAR 10g (W/Kg)	0.229
SAR 1g (W/Kg)	0.382
Variation (%)	-1.790
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	66.008277

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.566	0.405	0.267	0.183	0.123	0.080	0.051



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Test Laboratory: AGC Lab
WCDMA Band II Low-Body-Towards Grounds (RMC 12.2kbps)
DUT: Feature Phone; **Type:** AGM M11

Date: Nov. 09, 2025

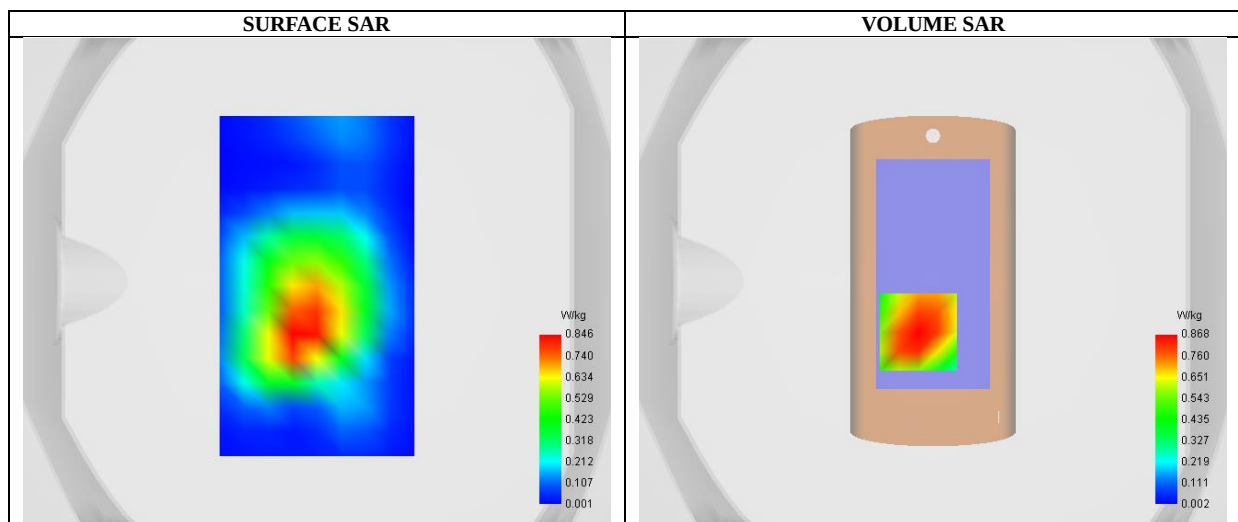
Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=2.25;
Frequency: 1852.4 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 39.91$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA band II Low-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA band II Low-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	WCDMA band II
Channels	Low
Signal	CDMA (Crest factor: 1.0)



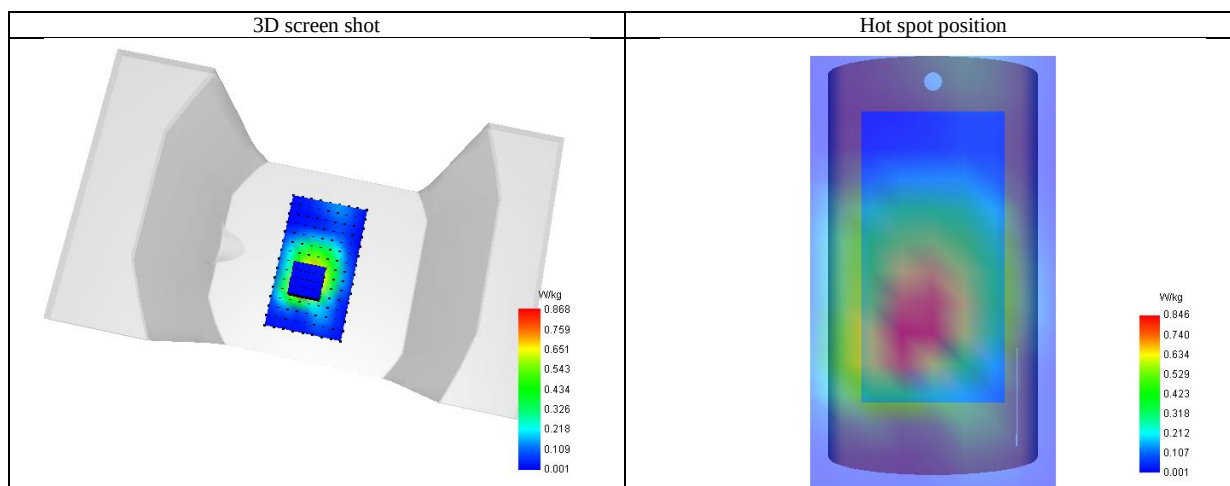
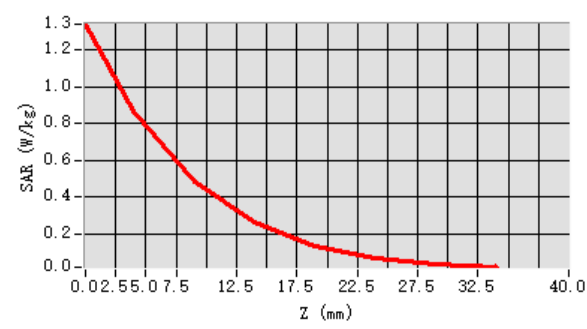
Maximum location: X=-6.00, Y=-21.00 ; SAR Peak: 1.39 W/kg

SAR 10g (W/Kg)	0.440
SAR 1g (W/Kg)	0.835
Variation (%)	-0.580
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	55.263347

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.343	0.868	0.480	0.262	0.135	0.069	0.037



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Test Laboratory: AGC Lab
WCDMA Band II High-Body-Towards Grounds (RMC 12.2kbps)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 09, 2025

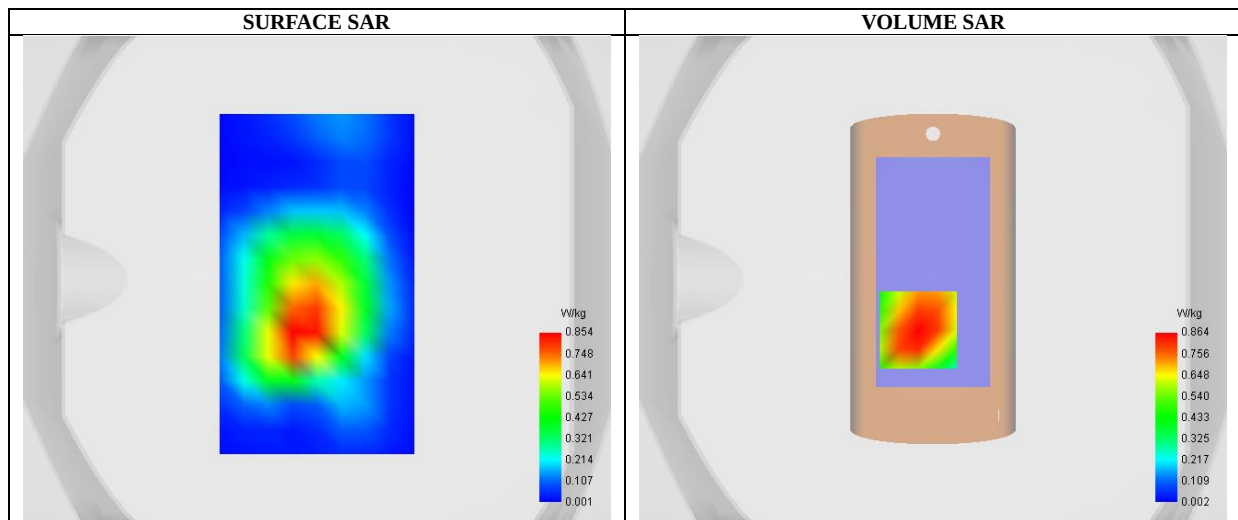
Communication System: UMTS; Communication System Band: Band II UTRA/FDD ;Duty Cycle:1:1; Conv.F=2.25;
Frequency: 1907.6 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.61$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA band II High-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ WCDMA band II High-Body-Back/Zoom Scan: Measurement grid: dx=8mm,dy=8mm, dz=5m;

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	WCDMA band II
Channels	High
Signal	CDMA (Crest factor: 1.0)



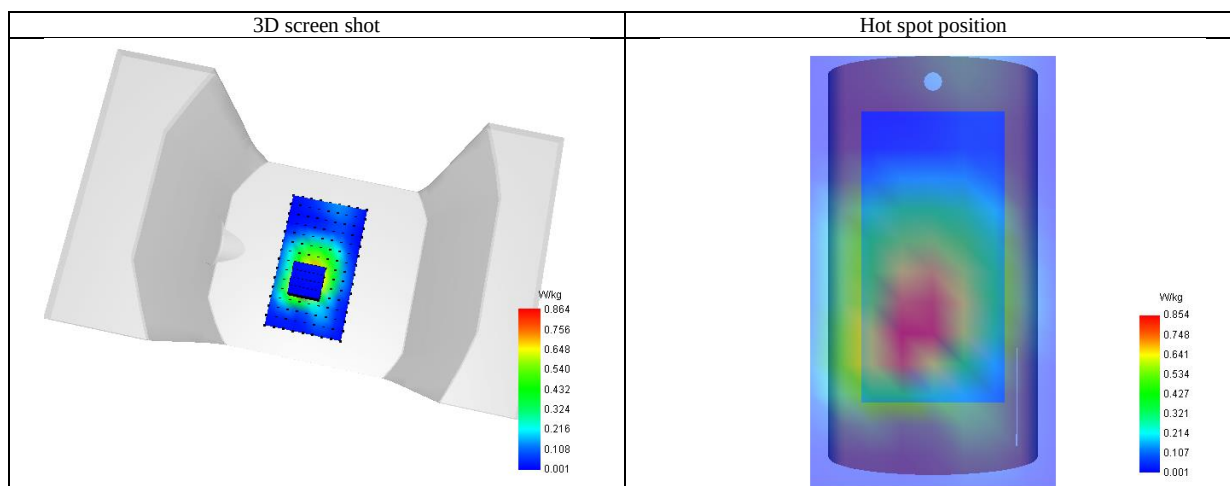
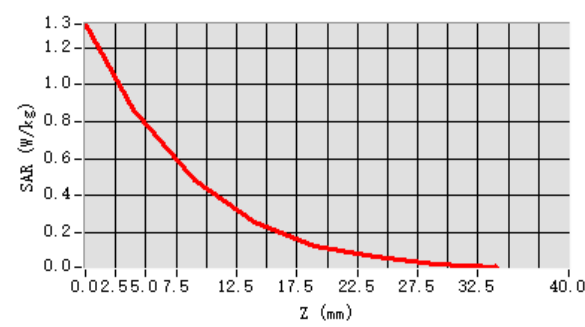
Maximum location: X=-6.00, Y=-21.00 ; SAR Peak: 1.37 W/kg

SAR 10g (W/Kg)	0.440
SAR 1g (W/Kg)	0.829
Variation (%)	-0.660
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	55.704146

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.326	0.864	0.481	0.262	0.132	0.071	0.035



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Test Laboratory: AGC Lab

Date: Nov. 10, 2025

WCDMA Band V Mid-Touch-Left (RMC)

DUT: Feature Phone; Type: AGM M11

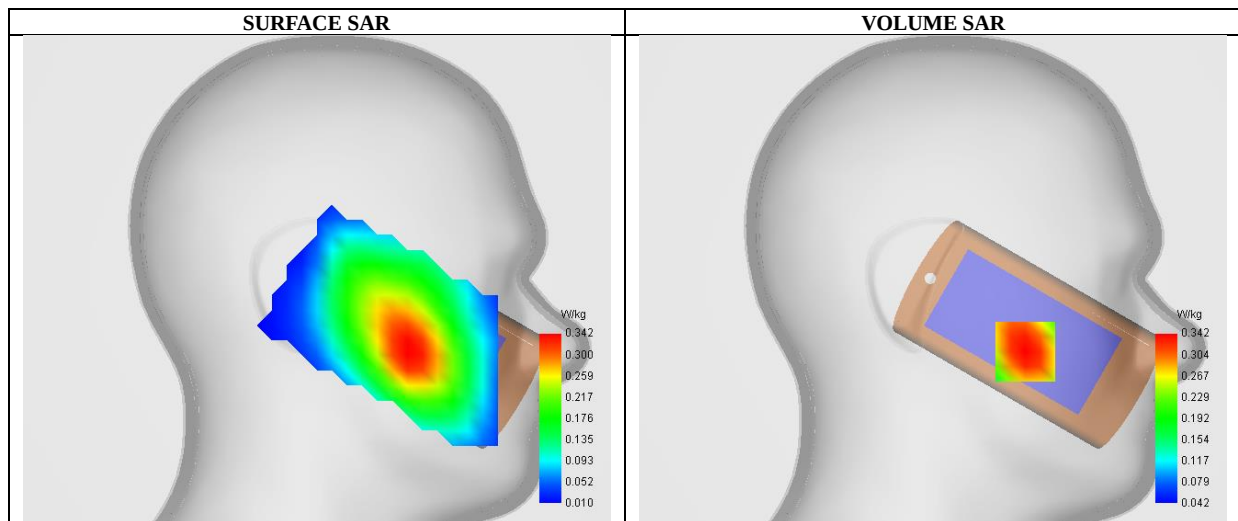
Communication System: UMTS; Communication System Band: BAND V UTRA/FDD ; Duty Cycle:1: 1; Conv.F=2.23;
Frequency: 836.4 MHz; Medium parameters used: $f = 835\text{MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.92$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Left Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA Band V Mid-Touch-Left/Area Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$
Configuration/ WCDMA Band V Mid-Touch-Left/Zoom Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Area Scan	$dx=8\text{mm}$ $dy=8\text{mm}$, $h= 5.00 \text{ mm}$
ZoomScan	$5 \times 5 \times 7$, $dx=8\text{mm}$ $dy=8\text{mm}$ $dz=5\text{mm}$, Complete
Phantom	Left head
Device Position	Cheek
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)


Maximum location: $X=-49.00$, $Y=-38.00$; SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.237
SAR 1g (W/Kg)	0.328
Variation (%)	-3.950
Horizontal validation criteria: minimum distance (mm)	-1.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	77.537647

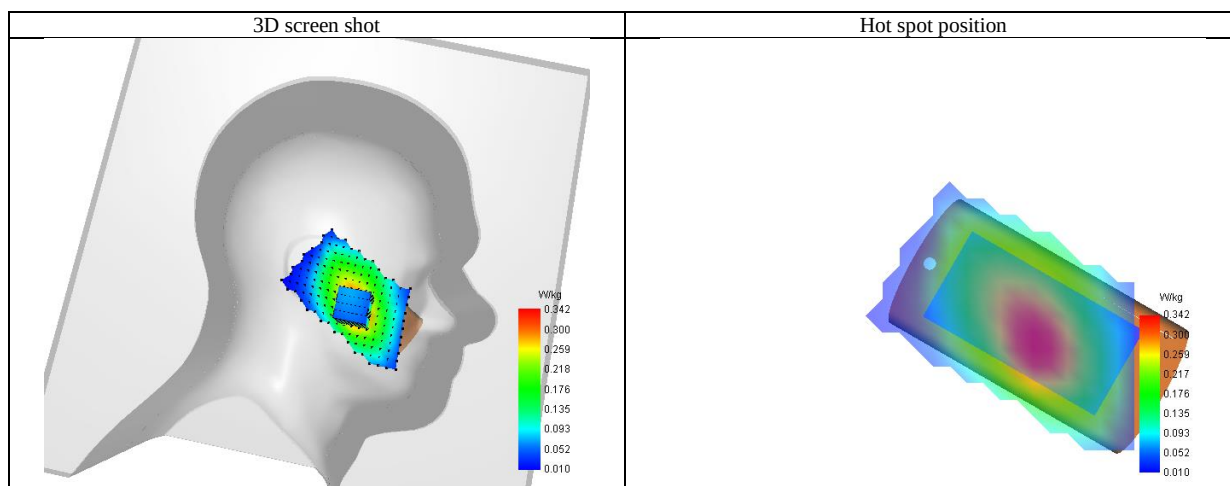
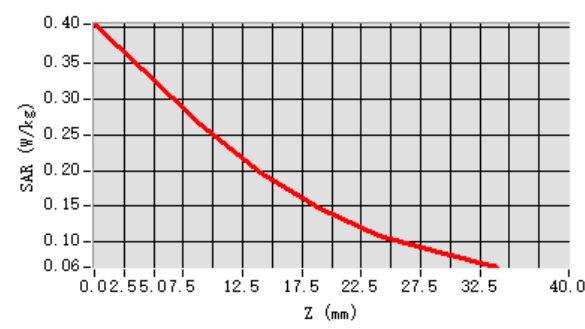
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.405	0.342	0.265	0.197	0.146	0.110	0.085



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Test Laboratory: AGC Lab

Date: Nov. 10, 2025

WCDMA Band V High-Body-Towards Grounds (RMC)

DUT: Feature Phone; Type: AGM M11

Communication System: UMTS; Communication System Band: BAND V UTRA/FDD; Duty Cycle:1: 1; Conv.F=2.23;
Frequency: 846.6 MHz; Medium parameters used: $f = 835\text{MHz}$; $\sigma = 0.93\text{ mho/m}$; $\epsilon_r = 40.89$; $\rho = 1000\text{ kg/m}^3$;
Phantom section: Flat Section

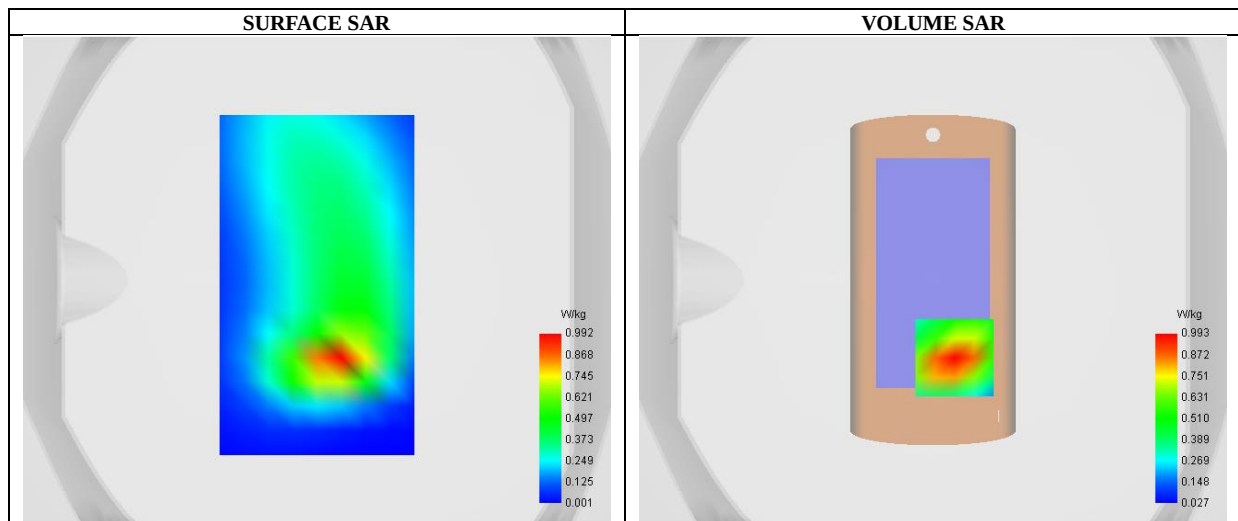
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ WCDMA Band V High-Body-Back/Area Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$

Configuration/ WCDMA Band V High-Body-Back/Zoom Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$;

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	WCDMA Band V
Channels	High
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=9.00, Y=-32.00 ; SAR Peak: 1.60 W/kg

SAR 10g (W/Kg)	0.494
SAR 1g (W/Kg)	0.945
Variation (%)	-0.660
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.220588

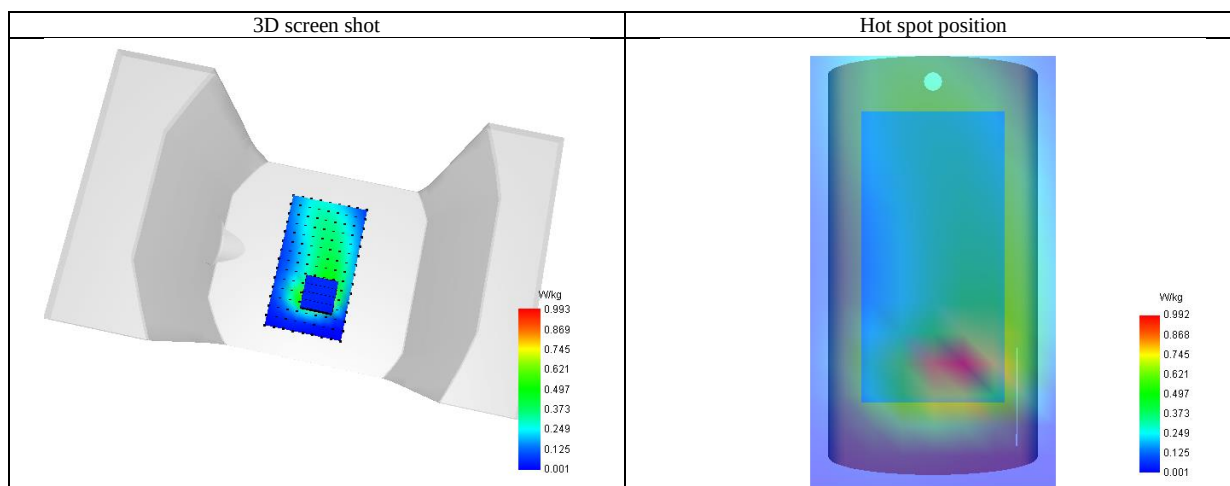
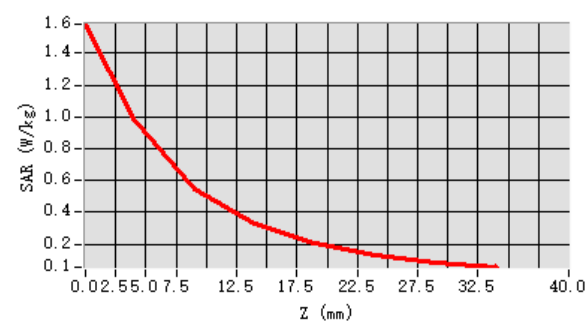
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.584	0.993	0.548	0.325	0.202	0.128	0.084



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Test Laboratory: AGC Lab
LTE Band 2 Mid-Touch-Left (1 RB#0)
DUT: Feature Phone; **Type:** AGM M11

Date: Nov. 09, 2025

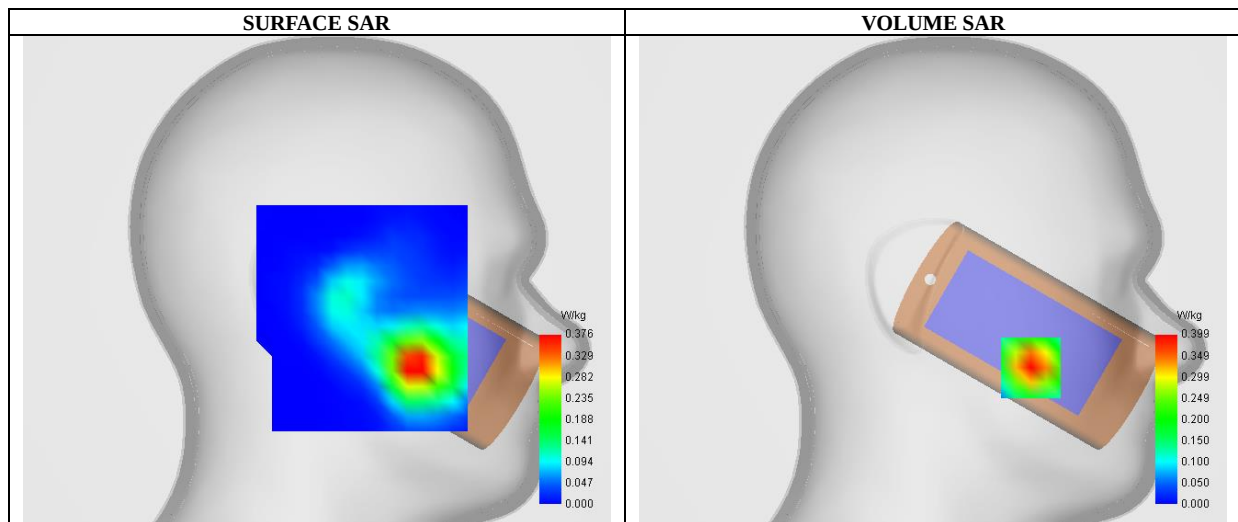
Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=2.25;
Frequency:1880MHz; Medium parameters used: $f=1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.13$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 2 Mid- Touch-Left /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 2 Mid- Touch-Left /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	Left head
Device Position	Cheek
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



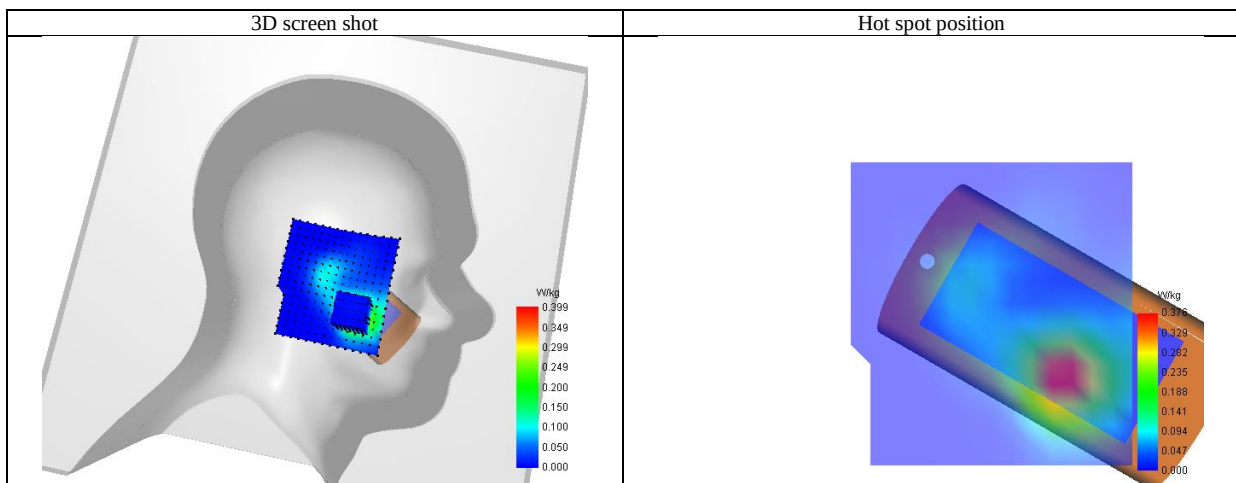
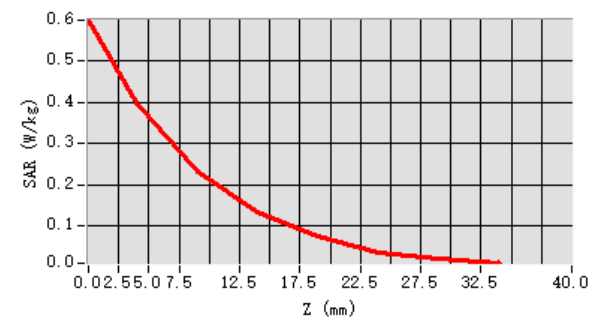
Maximum location: X=-52.00, Y=-46.00 ; SAR Peak: 0.60 W/kg

SAR 10g (W/Kg)	0.194
SAR 1g (W/Kg)	0.373
Variation (%)	-1.180
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	58.070489

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.598	0.399	0.232	0.133	0.076	0.035	0.022



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Test Laboratory: AGC Lab
LTE Band 2 Mid-Body-Back (1 RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 09, 2025

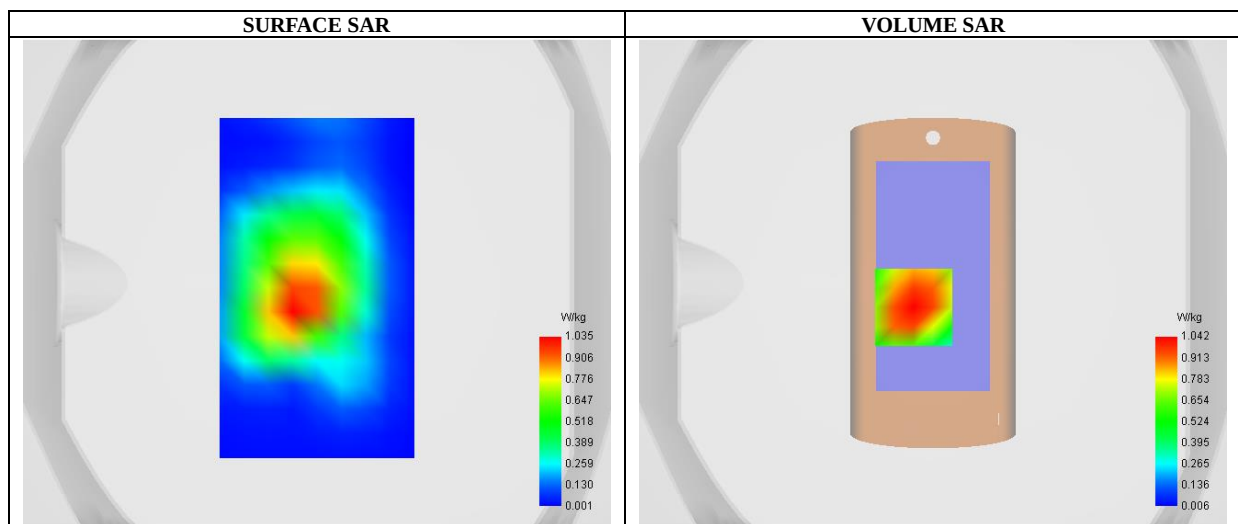
Communication System: LTE; Communication System Band: LTE Band 2; Duty Cycle:1:1; Conv.F=2.25;
Frequency:1880MHz; Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.13$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 2 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 2 Mid-Body-Back/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
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 2
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



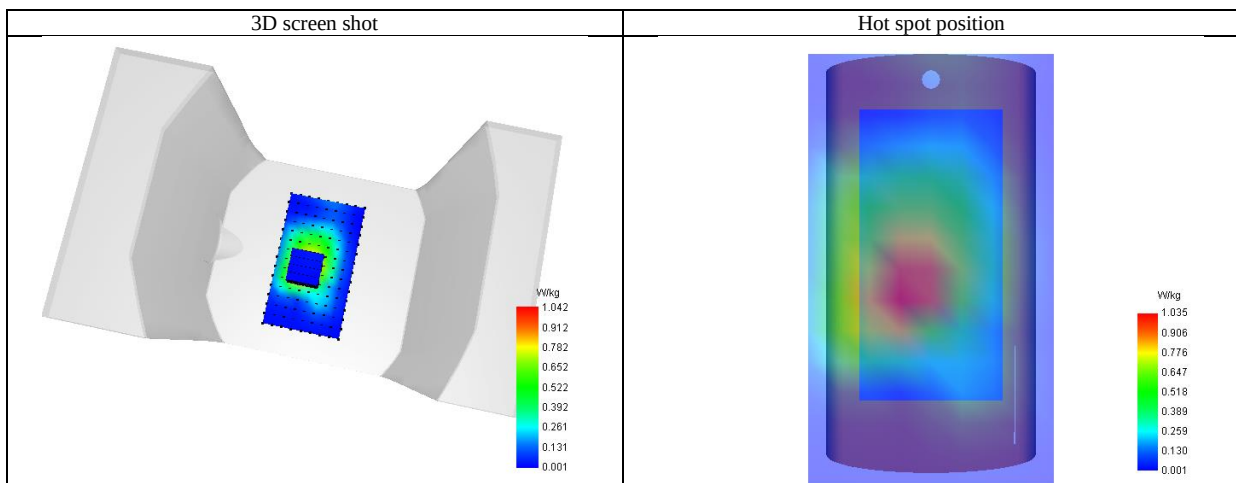
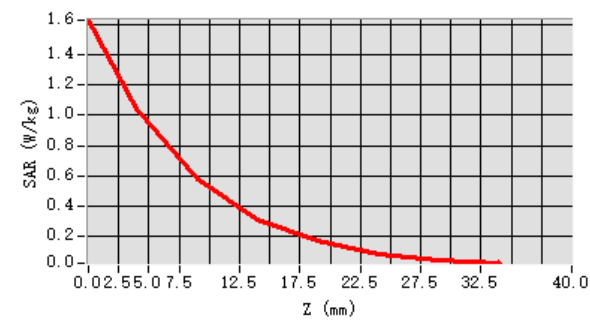
Maximum location: X=-8.00, Y=-10.00 ; SAR Peak: 1.67 W/kg

SAR 10g (W/Kg)	0.535
SAR 1g (W/Kg)	1.002
Variation (%)	-0.160
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	55.286901

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.626	1.042	0.576	0.314	0.169	0.087	0.046



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Test Laboratory: AGC Lab
LTE Band 4 Mid-Touch-Left (1 RB#0)
DUT: Feature Phone; **Type:** AGM M11

Date: Nov. 08, 2025

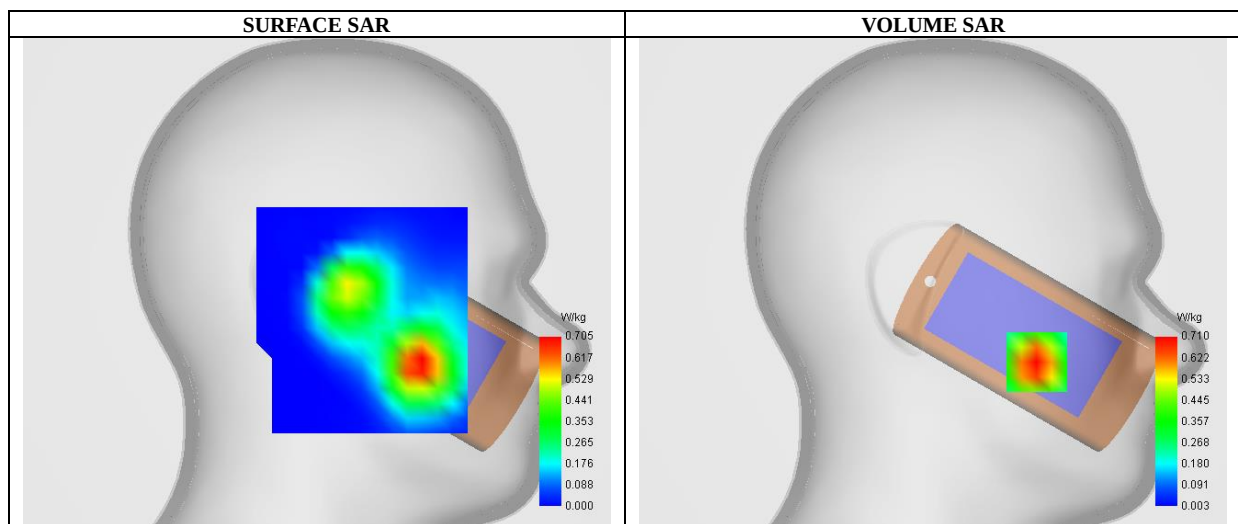
Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.28;
Frequency:1732.5 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 40.36$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 4 Mid- Touch-Left /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 4 Mid- Touch-Left /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	Left head
Device Position	Cheek
Band	LTE Band 4
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



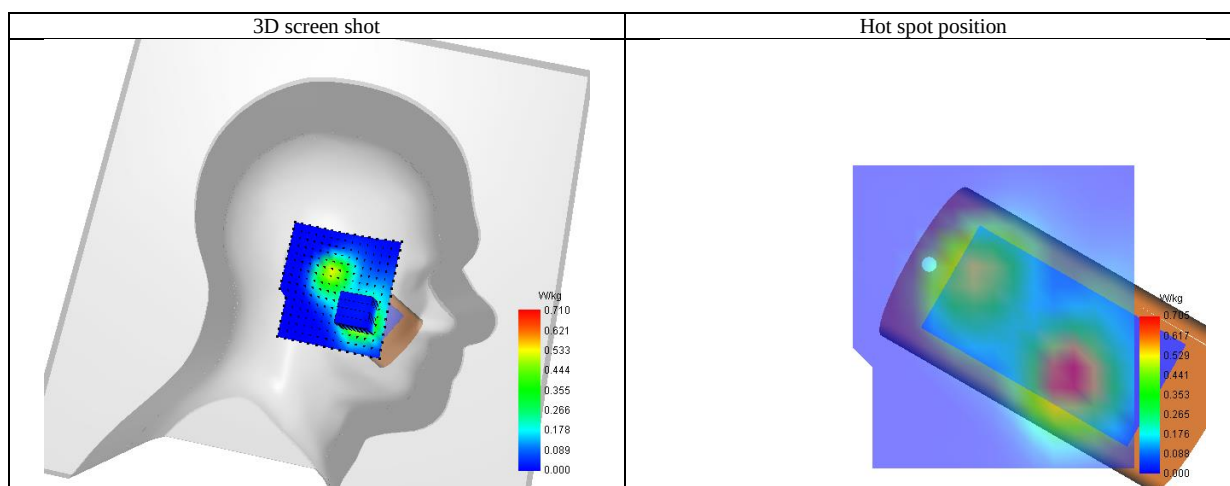
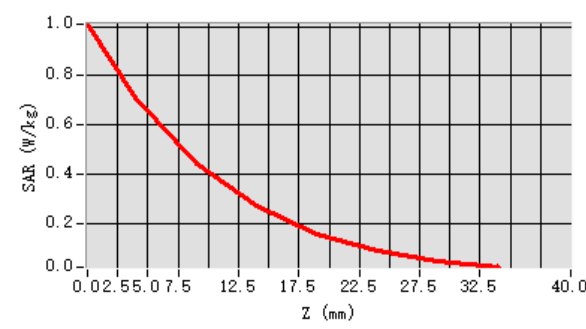
Maximum location: X=-55.00, Y=-42.00 ; SAR Peak: 1.05 W/kg

SAR 10g (W/Kg)	0.370
SAR 1g (W/Kg)	0.671
Variation (%)	0.150
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	62.401810

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.010	0.710	0.443	0.269	0.156	0.089	0.046



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Test Laboratory: AGC Lab
LTE Band 4 Mid-Body-Back (1 RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 08, 2025

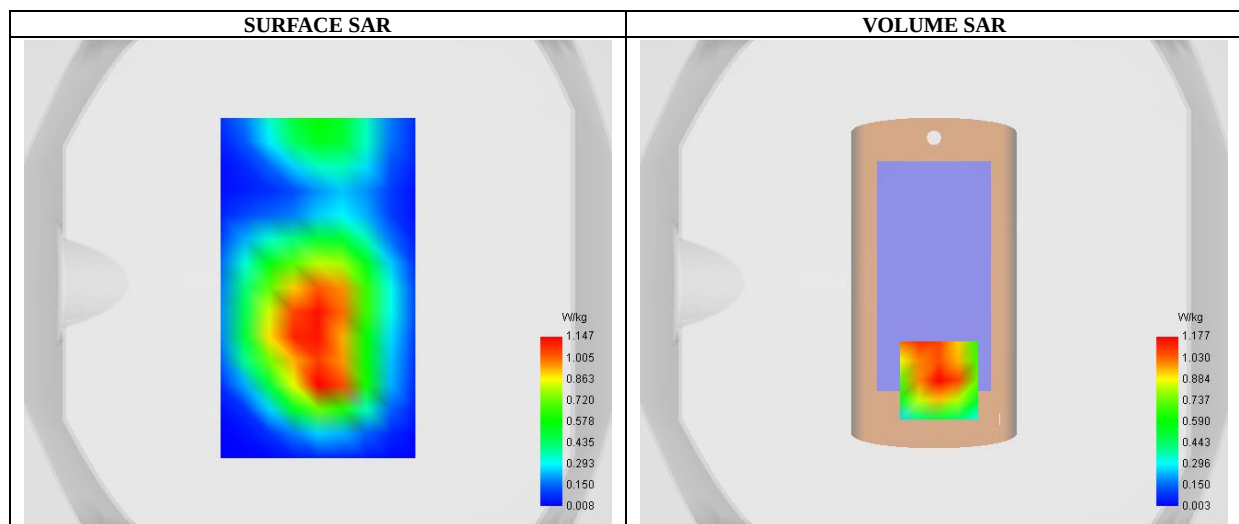
Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.28;
Frequency:1732.5 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 40.36$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 4 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 4 Mid-Body-Back/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
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 4
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



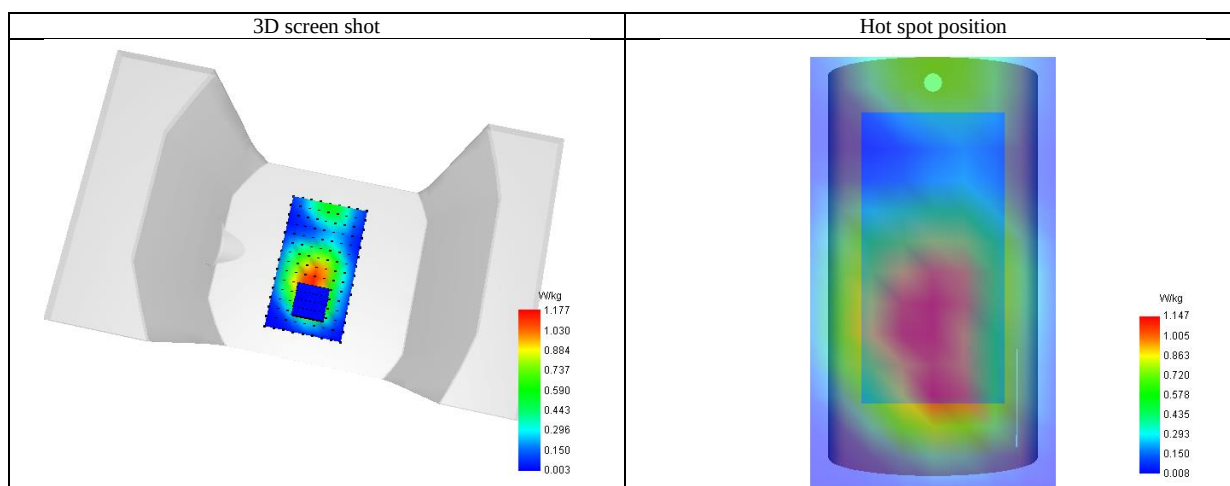
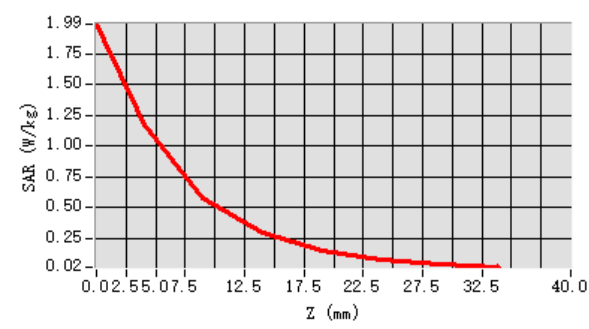
Maximum location: X=2.00, Y=-40.00 ; SAR Peak: 1.99 W/kg

SAR 10g (W/Kg)	0.533
SAR 1g (W/Kg)	1.121
Variation (%)	0.070
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.158421

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.993	1.177	0.579	0.300	0.155	0.080	0.041



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Test Laboratory: AGC Lab
LTE Band 4 High-Body-Back (1 RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 08, 2025

Communication System: LTE; Communication System Band: LTE Band 4; Duty Cycle:1:1; Conv.F=2.28;
Frequency:1745 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.40$ mho/m; $\epsilon_r = 40.13$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

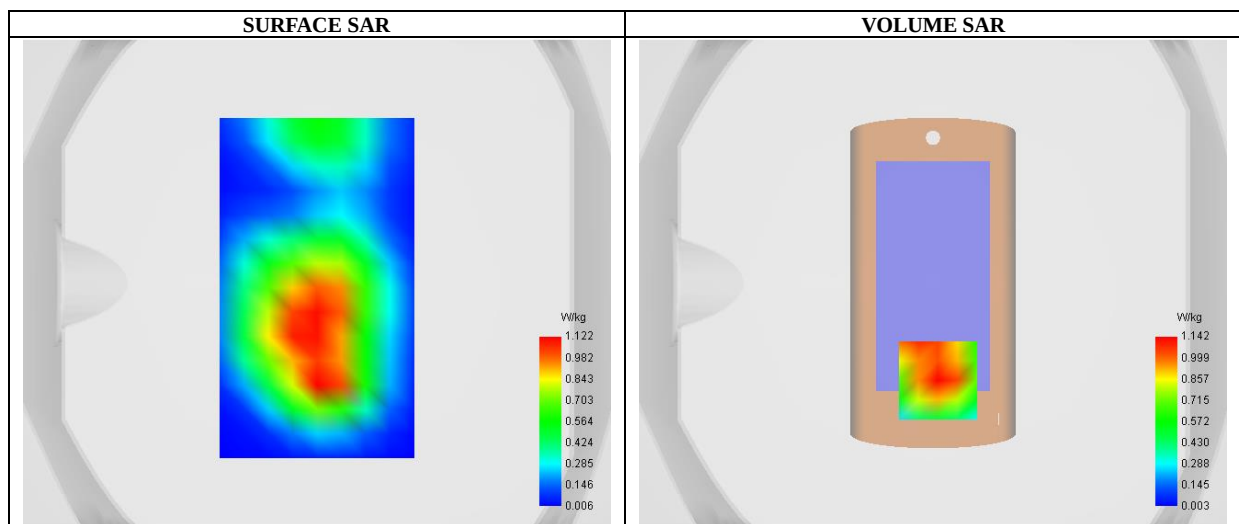
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 4 High-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 4 High-Body-Back/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
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 4
Channels	High
Signal	OFDM (Crest factor: 1.0)



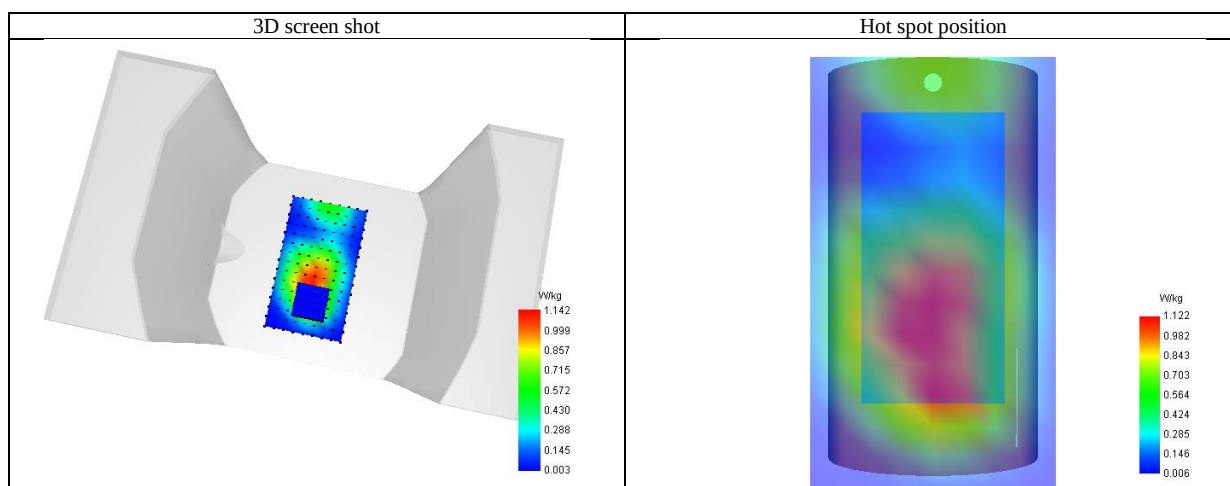
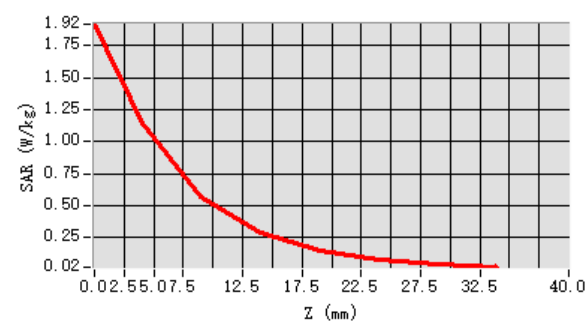
Maximum location: X=2.00, Y=-40.00 ; SAR Peak: 1.92 W/kg

SAR 10g (W/Kg)	0.518
SAR 1g (W/Kg)	1.087
Variation (%)	-1.020
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.592406

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.920	1.142	0.566	0.292	0.148	0.074	0.036



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Test Laboratory: AGC Lab
LTE Band 5 Mid-Touch-Left (1 RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 10, 2025

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=2.23
Frequency: 836.5 MHz; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.92$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Left Section

SATIMO Configuration:

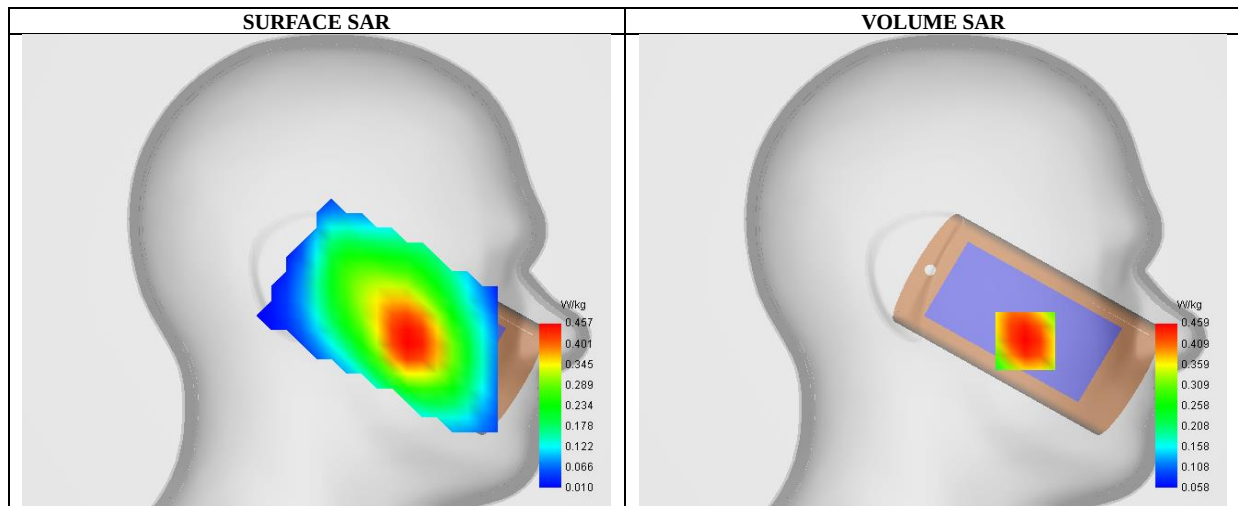
Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414

- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 5 Mid- Touch-Left /Area Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$

Configuration/ LTE Band 5 Mid- Touch-Left /Zoom Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$;

Area Scan	$dx=8\text{mm}$ $dy=8\text{mm}$, $h= 5.00 \text{ mm}$
Zoom Scan	$5 \times 5 \times 7$, $dx=8\text{mm}$ $dy=8\text{mm}$ $dz=5\text{mm}$
Phantom	Left head
Device Position	Cheek
Band	LTE Band 5
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: $X=-49.00$, $Y=-38.00$; SAR Peak: 0.57 W/kg

SAR 10g (W/Kg)	0.318
SAR 1g (W/Kg)	0.442
Variation (%)	-0.010
Horizontal validation criteria: minimum distance (mm)	-1.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	76.402459

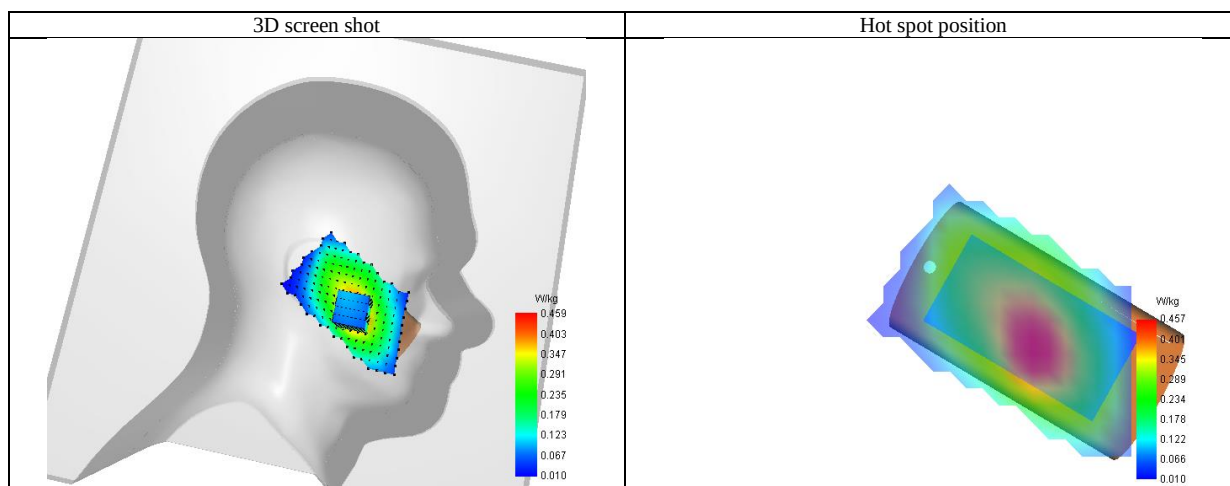
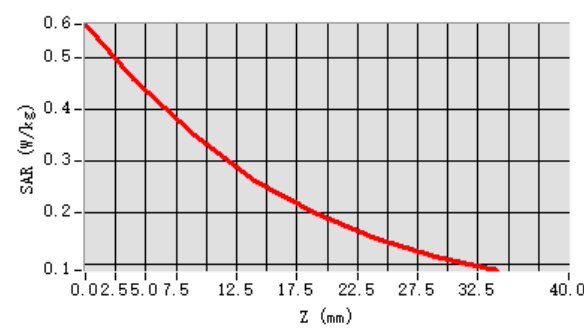
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.566	0.459	0.351	0.264	0.199	0.151	0.114



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Test Laboratory: AGC Lab
LTE Band 5 High-Body-Back (1 RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 10, 2025

Communication System: LTE; Communication System Band: LTE Band 5; Duty Cycle:1:1; Conv.F=2.23
Frequency: 844MHz; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 41.63$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

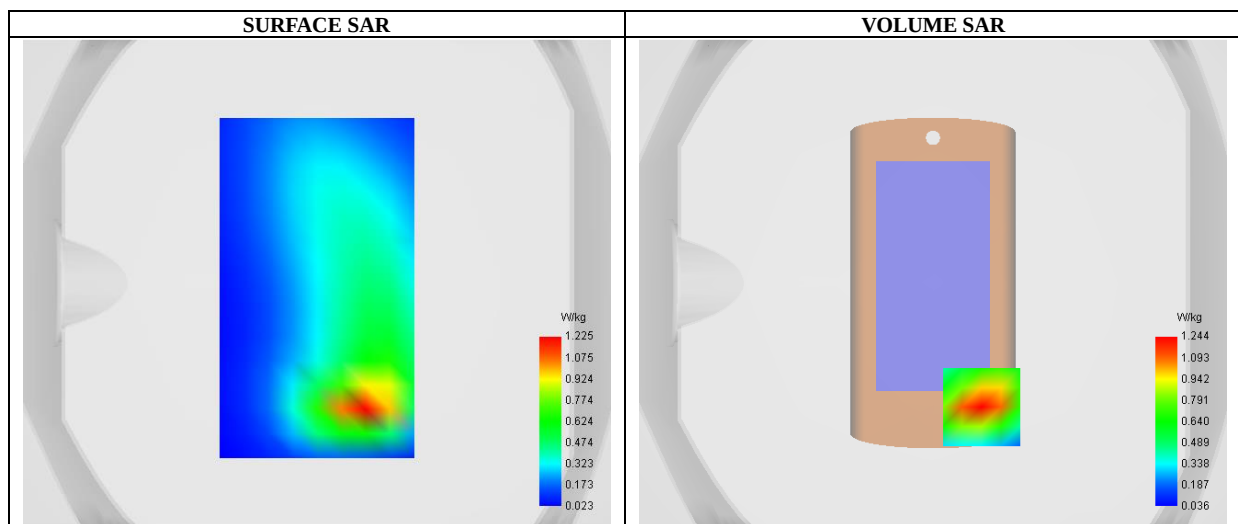
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 5 High-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/ LTE Band 5 High-Body-Back/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
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 5
Channels	High
Signal	OFDM (Crest factor: 1.0)



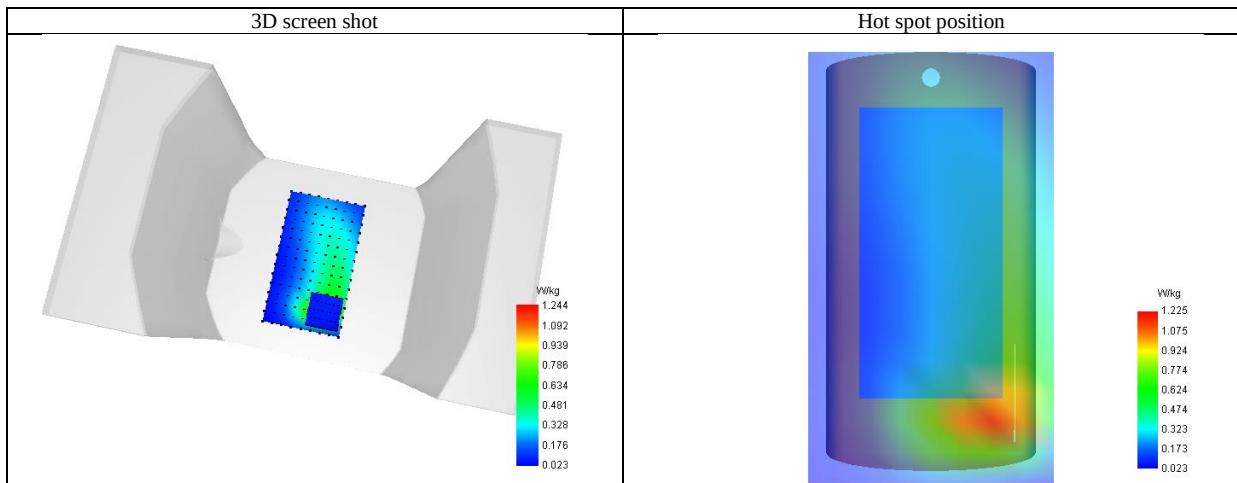
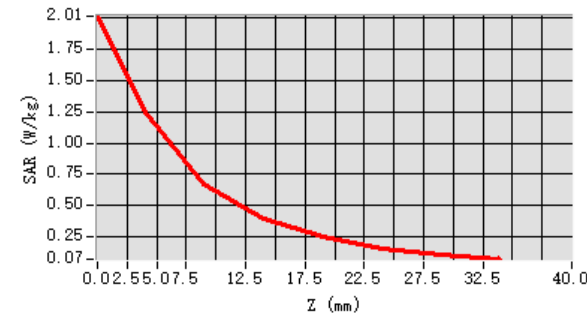
Maximum location: X=20.00, Y=-51.00 ; SAR Peak: 1.99 W/kg

SAR 10g (W/Kg)	0.611
SAR 1g (W/Kg)	1.166
Variation (%)	-0.350
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	54.184854

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.011	1.244	0.674	0.400	0.247	0.162	0.108



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Test Laboratory: AGC Lab
LTE Band 7 Mid-Touch-Right (1RB#0)
DUT: Feature Phone; **Type:** AGM M11

Date: Nov. 14, 2025

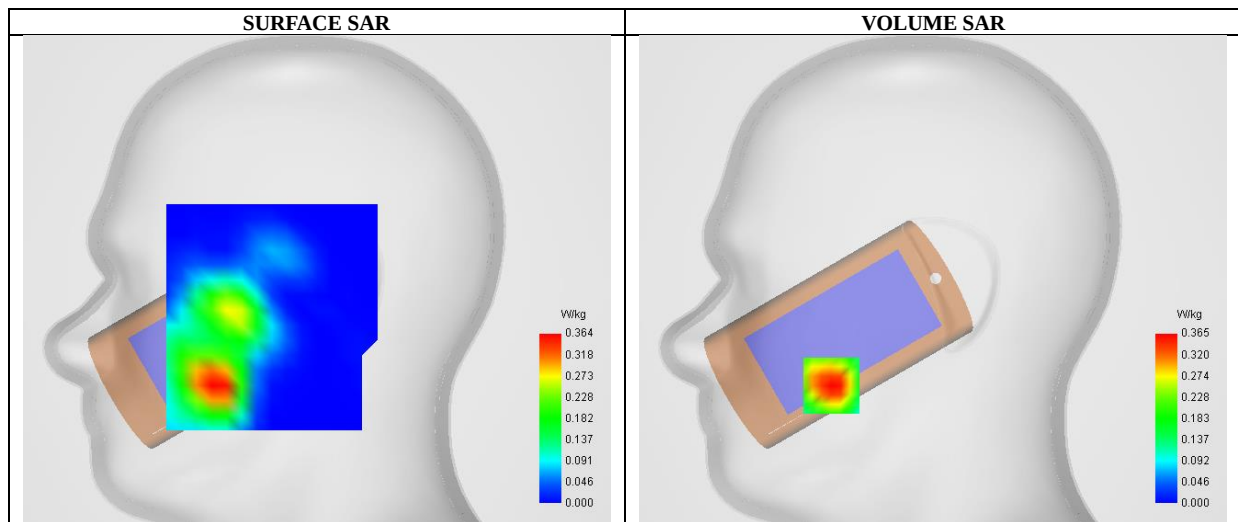
Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1; Conv.F=2.19
Frequency: 2535MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 39.67$; $\rho = 1000$ kg/m³ ;
Phantom section: Right Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE BAND 7 Mid-Touch-Right/Area Scan: Measurement grid: dx=8mm, y=8mm
Configuration/ LTE BAND 7 Mid-Touch- Right /Zoom Scan: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE BAND 7
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



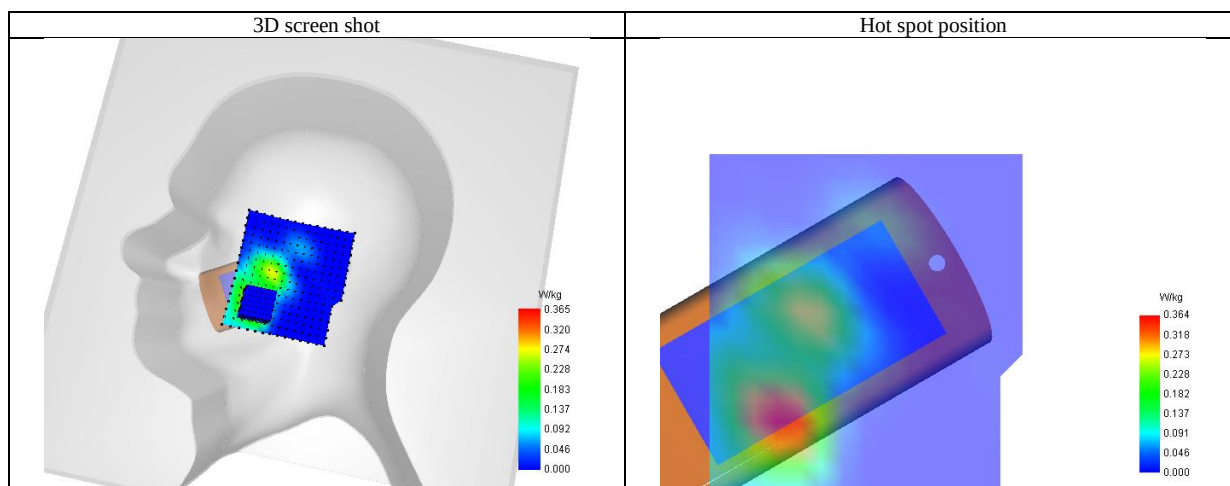
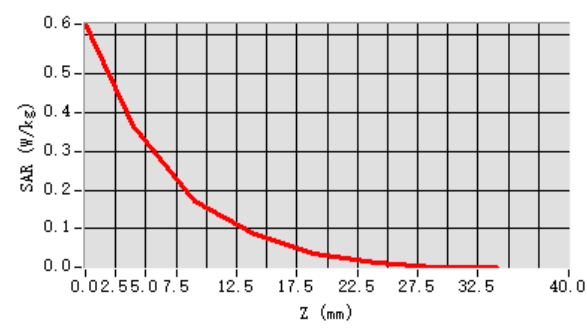
Maximum location: X=-54.00, Y=-56.00 ; SAR Peak: 0.62 W/kg

SAR 10g (W/Kg)	0.164
SAR 1g (W/Kg)	0.343
Variation (%)	-1.820
Horizontal validation criteria: minimum distance (mm)	15.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	46.909184

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.628	0.365	0.171	0.086	0.035	0.013	0.002



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Test Laboratory: AGC Lab
LTE Band 7 Mid-Body-Back (1RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 14, 2025

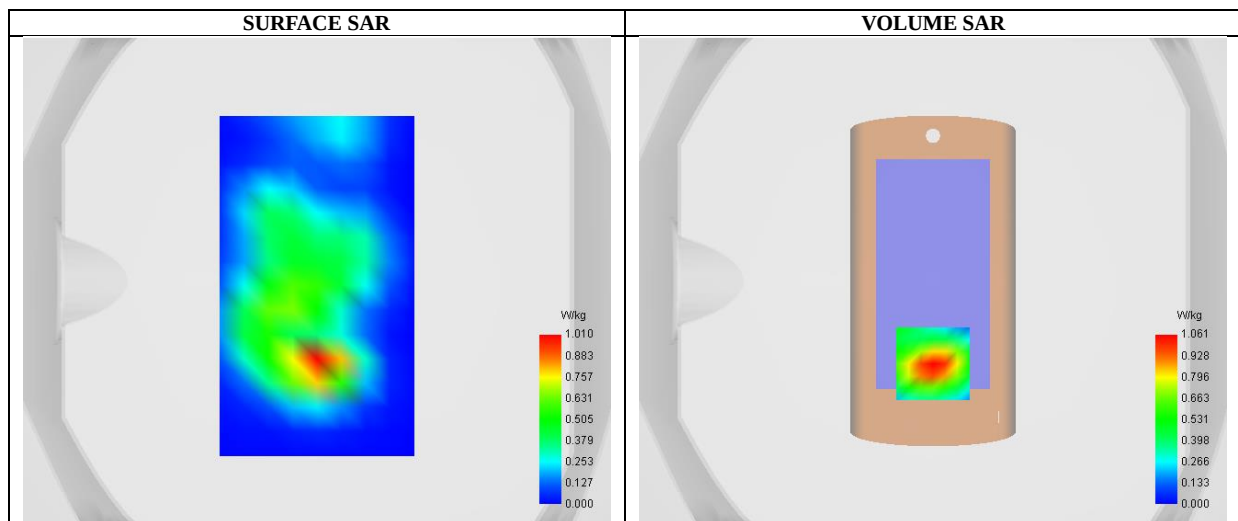
Communication System: LTE; Communication System Band: LTE Band 7; Duty Cycle:1:1; Conv.F=2.19
Frequency: 2535MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 39.67$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE BAND 7 Mid-Body-Back /Area Scan: Measurement grid: dx=10mm, y=10mm
Configuration/ LTE BAND 7 Mid-Body-Back /Zoom Scan: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body Back
Band	LTE BAND 7
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



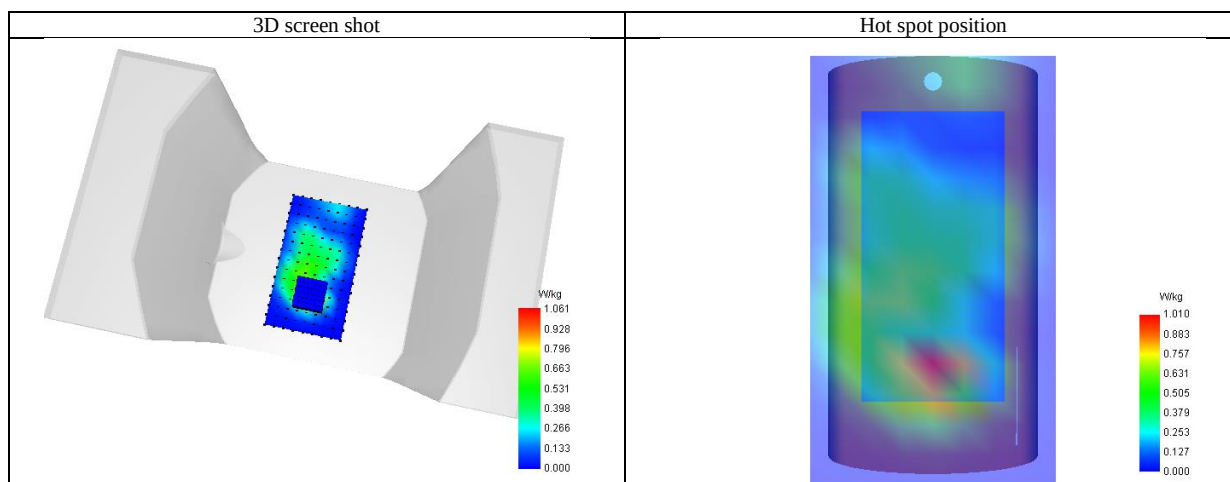
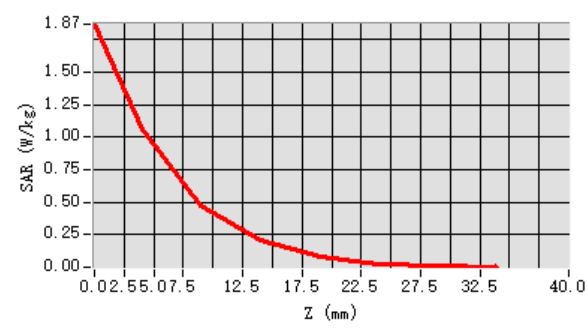
Maximum location: X=0.00, Y=-34.00 ; SAR Peak: 1.85 W/kg

SAR 10g (W/Kg)	0.413
SAR 1g (W/Kg)	0.964
Variation (%)	-1.810
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	44.798657

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.870	1.061	0.475	0.207	0.084	0.027	0.007



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Test Laboratory: AGC Lab
LTE Band 12 Mid-Touch-Left (1 RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 11, 2025

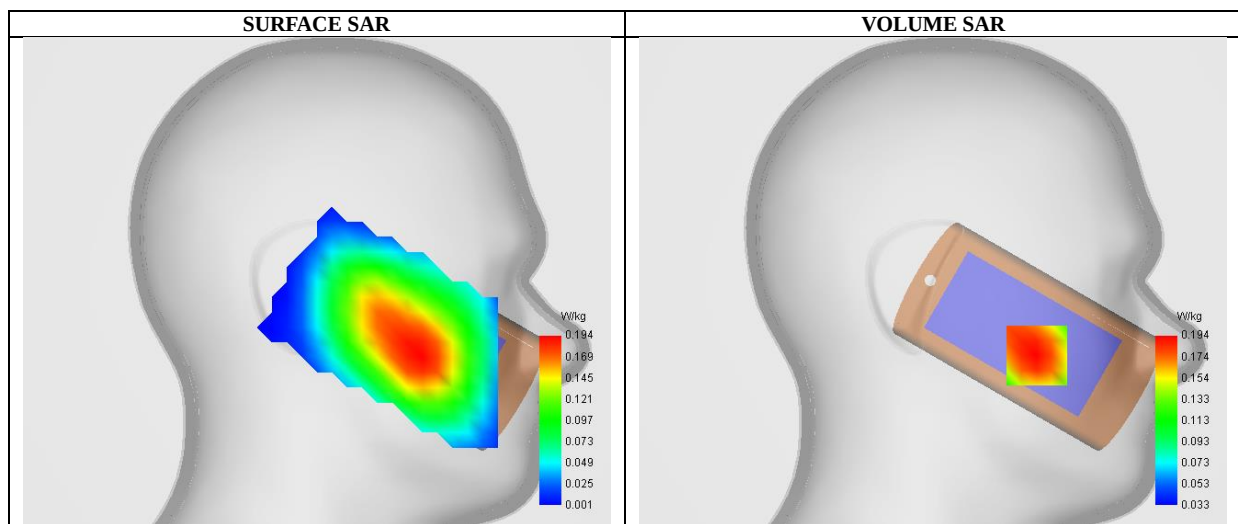
Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1; Conv.F=2.30
Frequency: 707.5 MHz; Medium parameters used: $f = 750$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 43.60$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 12 Mid- Touch-Left /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 12 Mid- Touch-Left /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	Left head
Device Position	Cheek
Band	LTE Band 12
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



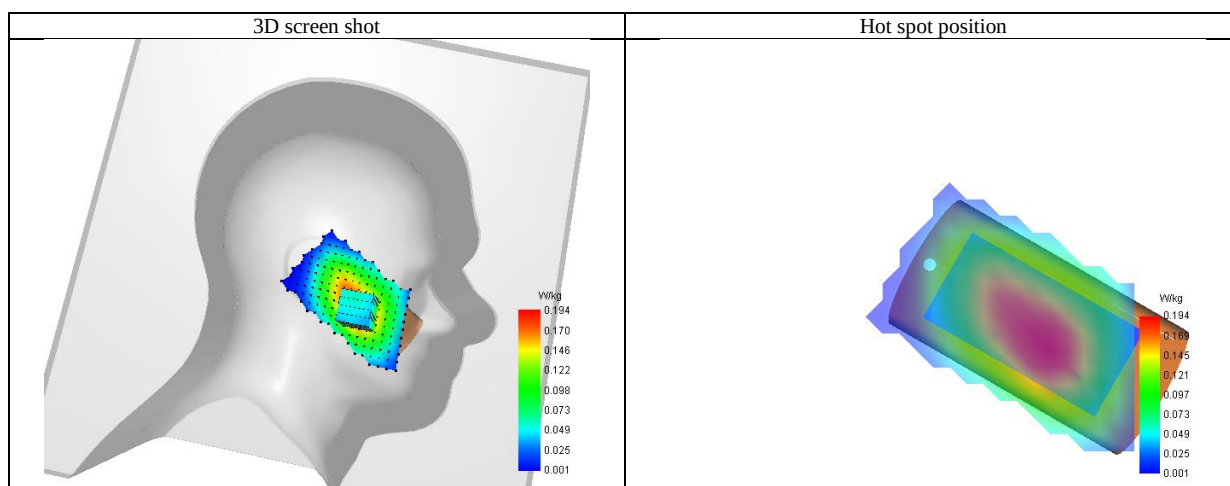
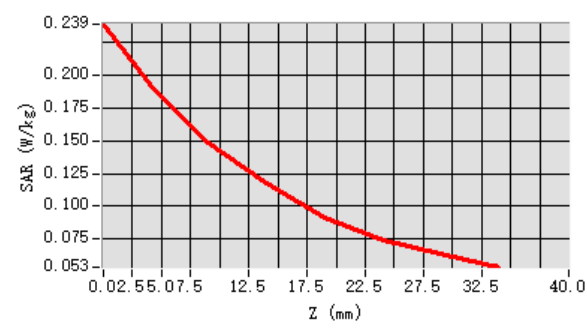
Maximum location: X=-55.00, Y=-39.00 ; SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.140
SAR 1g (W/Kg)	0.192
Variation (%)	1.370
Horizontal validation criteria: minimum distance (mm)	-1.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	76.332324

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.239	0.194	0.148	0.117	0.091	0.074	0.063



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Test Laboratory: AGC Lab
LTE Band 12 Mid-Body-Back (1 RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 11, 2025

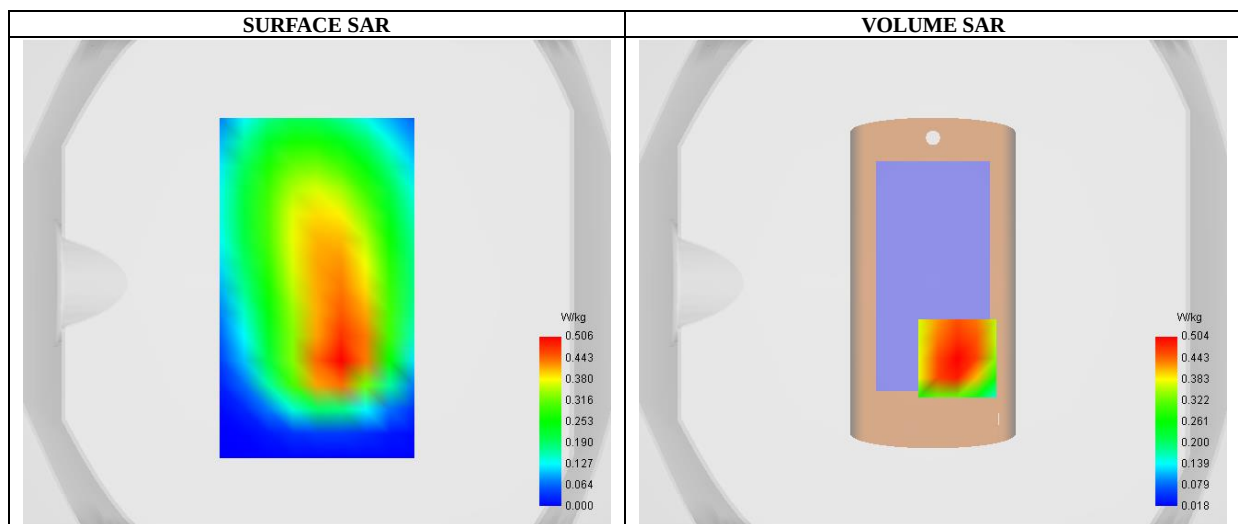
Communication System: LTE; Communication System Band: LTE Band 12; Duty Cycle:1:1; Conv.F=2.30;
Frequency: 707.5 MHz; Medium parameters used: $f = 750$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 43.60$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 12 Mid-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 12 Mid-Body-Back/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
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 12
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



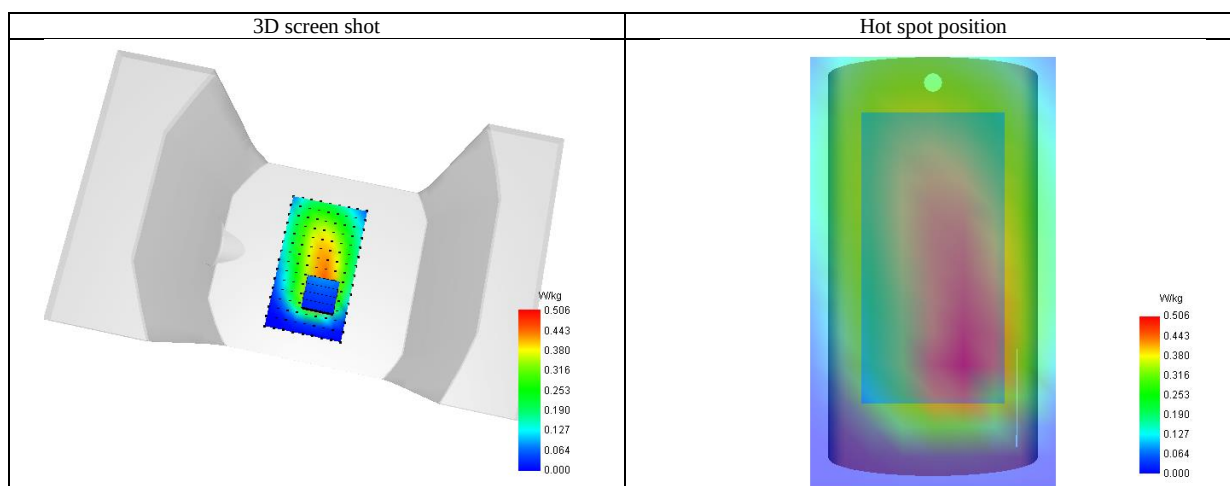
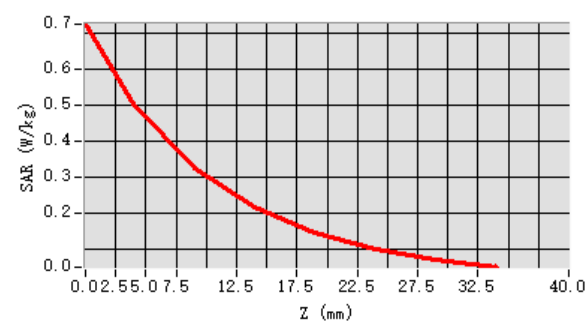
Maximum location: X=10.00, Y=-31.00 ; SAR Peak: 0.79 W/kg

SAR 10g (W/Kg)	0.289
SAR 1g (W/Kg)	0.513
Variation (%)	-0.330
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	63.915866

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.724	0.504	0.322	0.213	0.145	0.100	0.070



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Test Laboratory: AGC Lab
LTE Band 17 Mid-Touch-Left (1 RB#0)
DUT: Feature Phone; **Type:** AGM M11

Date: Nov. 11, 2025

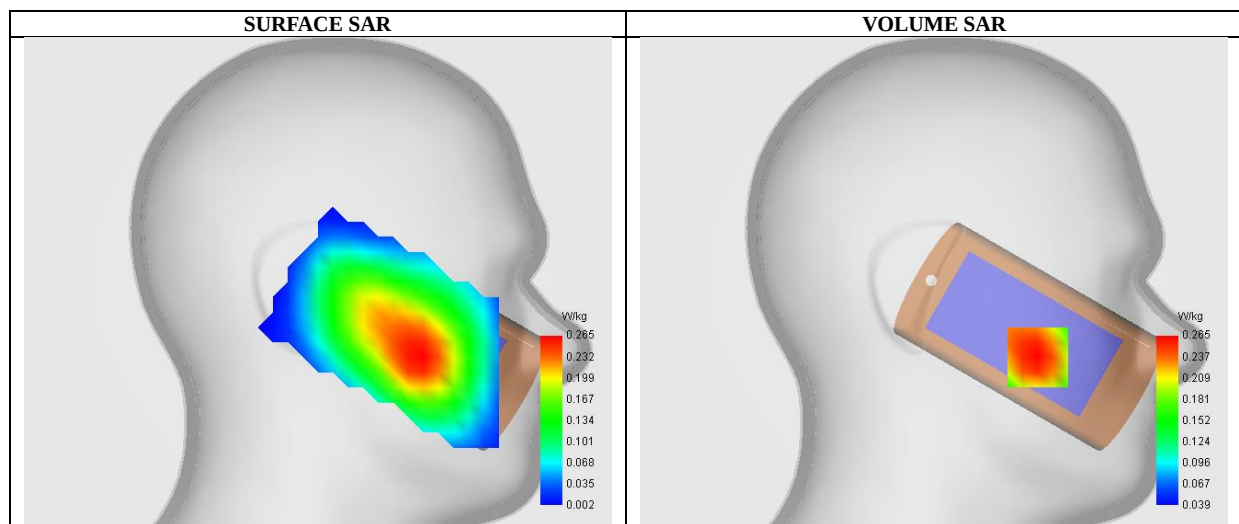
Communication System: LTE; Communication System Band: LTE Band 17; Duty Cycle:1:1; Conv.F=2.30
Frequency: 710 MHz; Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 43.19$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Left Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 17 Mid- Touch-Left /Area Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$
Configuration/ LTE Band 17 Mid- Touch-Left /Zoom Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$;

Area Scan	$dx=8\text{mm}$ $dy=8\text{mm}$, $h= 5.00 \text{ mm}$
Zoom Scan	$5 \times 5 \times 7$, $dx=8\text{mm}$ $dy=8\text{mm}$ $dz=5\text{mm}$
Phantom	Left head
Device Position	Cheek
Band	LTE Band 17
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



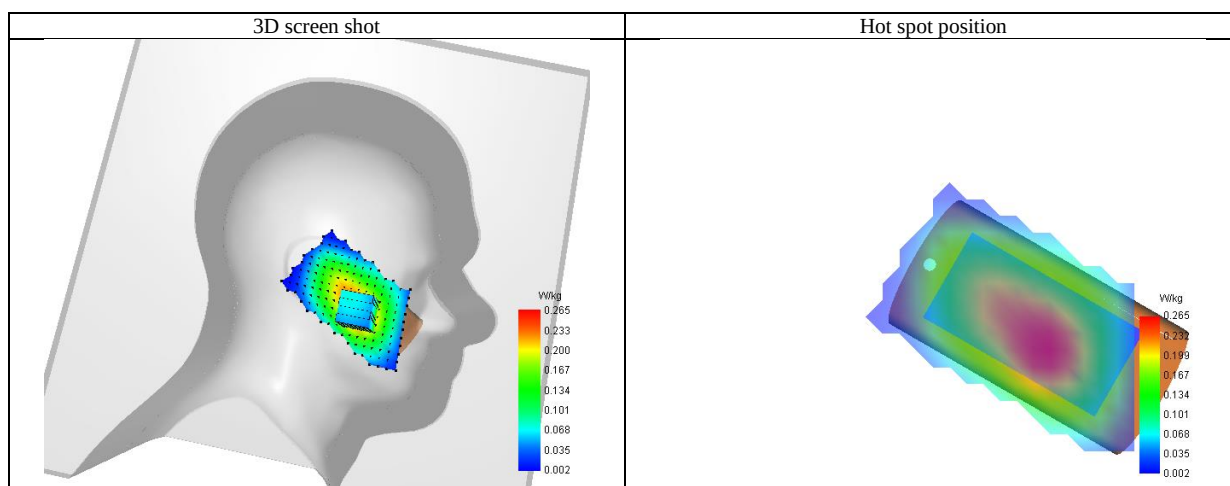
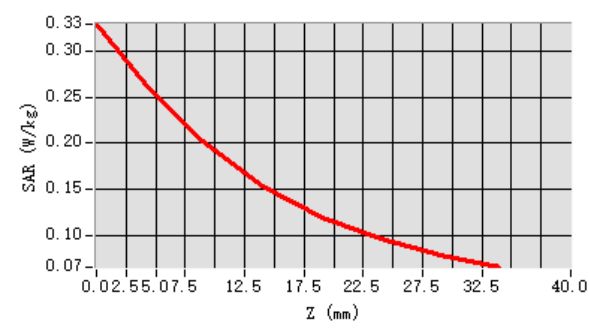
Maximum location: $X=-55.00$, $Y=-40.00$; SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.189
SAR 1g (W/Kg)	0.261
Variation (%)	-0.310
Horizontal validation criteria: minimum distance (mm)	-1.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	76.208647

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.329	0.265	0.202	0.153	0.119	0.096	0.078



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Test Laboratory: AGC Lab
LTE Band 17 Mid-Body-Back (1 RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 11, 2025

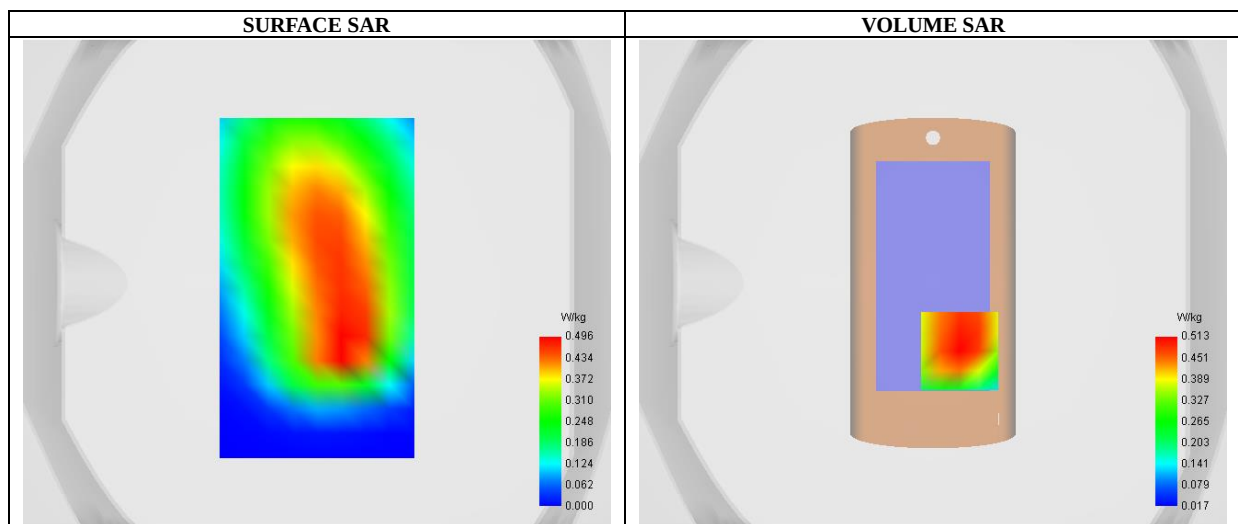
Communication System: LTE; Communication System Band: LTE Band 17; Duty Cycle:1:1; Conv.F=2.30;
Frequency: 710 MHz; Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 43.19$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 17 Mid-Body-Back/Area Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$
Configuration/ LTE Band 17 Mid-Body-Back/Zoom Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$;

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 17
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



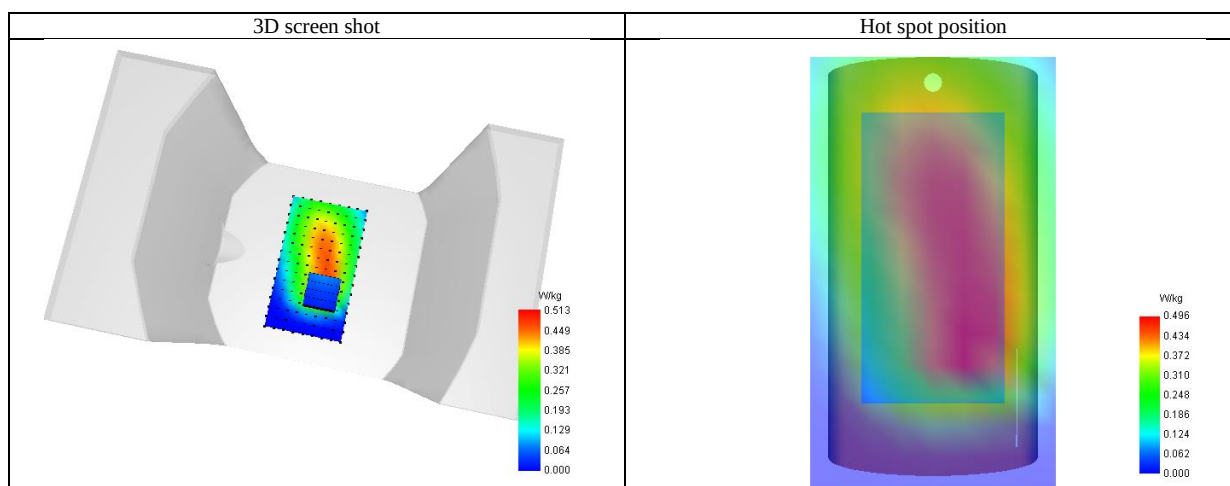
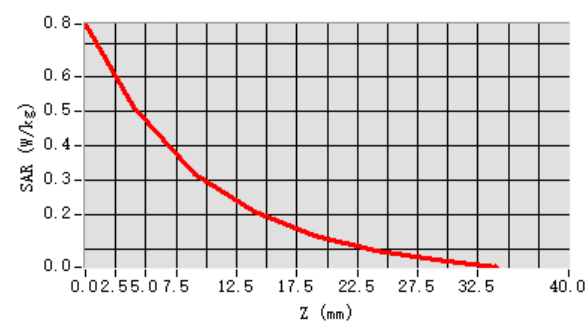
Maximum location: X=11.00, Y=-28.00 ; SAR Peak: 0.77 W/kg

SAR 10g (W/Kg)	0.289
SAR 1g (W/Kg)	0.515
Variation (%)	1.270
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	61.964746

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.755	0.513	0.318	0.206	0.138	0.095	0.067



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Test Laboratory: AGC Lab
LTE Band 17 High-Body-Back (1 RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 11, 2025

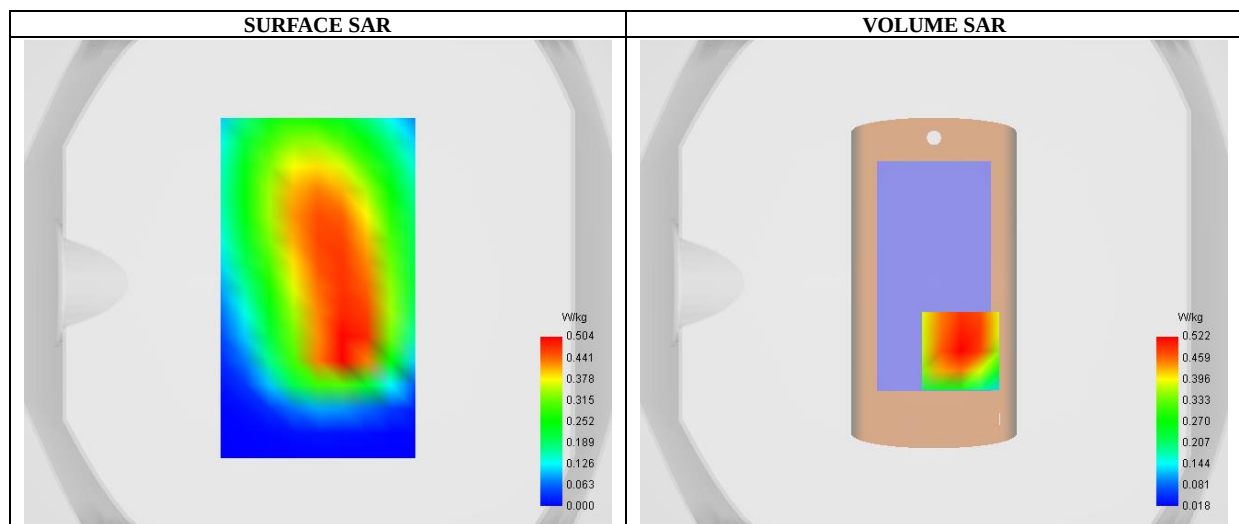
Communication System: LTE; Communication System Band: LTE Band 17; Duty Cycle:1:1; Conv.F=2.30;
Frequency: 711 MHz; Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.90 \text{ mho/m}$; $\epsilon_r = 42.68$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 17 High-Body-Back/Area Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$
Configuration/ LTE Band 17 High-Body-Back/Zoom Scan: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
Zoom Scan	5x5x7, $dx=8\text{mm}$ $dy=8\text{mm}$ $dz=5\text{mm}$
Phantom	Validation plane
Device Position	Body Back
Band	LTE Band 17
Channels	High
Signal	OFDM (Crest factor: 1.0)



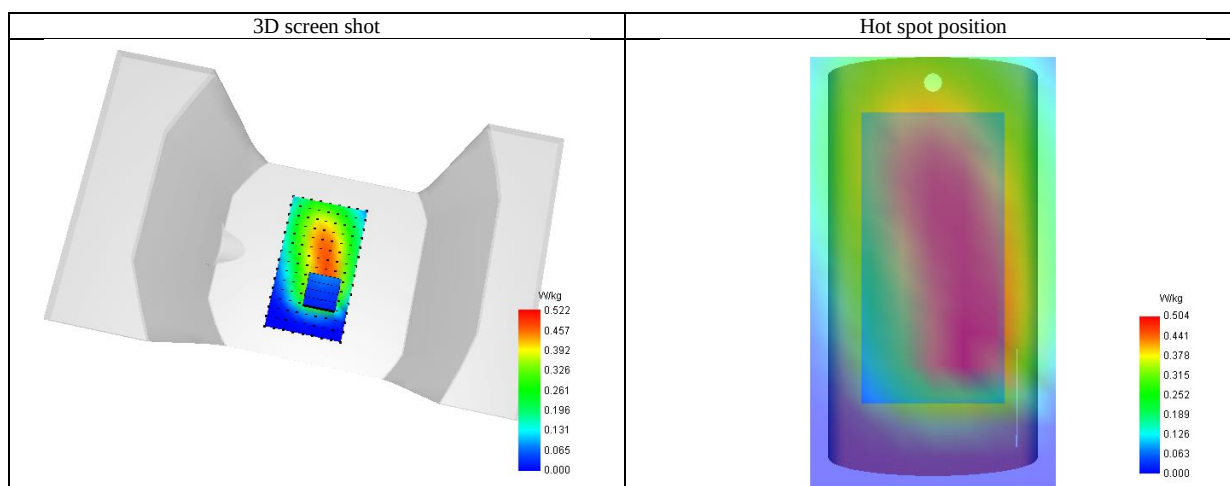
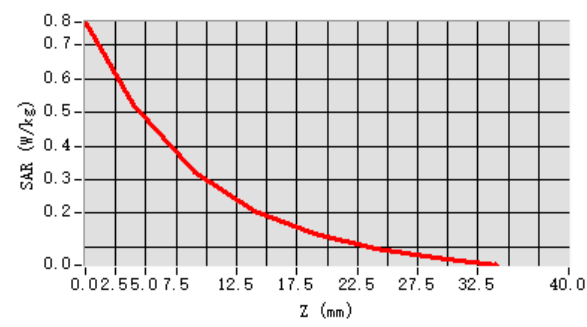
Maximum location: X=11.00, Y=-28.00 ; SAR Peak: 0.78 W/kg

SAR 10g (W/Kg)	0.293
SAR 1g (W/Kg)	0.523
Variation (%)	0.600
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	61.931014

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.767	0.522	0.323	0.208	0.139	0.095	0.067



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Test Laboratory: AGC Lab
LTE Band 66 Mid-Touch-Left (1 RB#0)
DUT: Feature Phone; Type: AGM M11

Date: Nov. 08, 2025

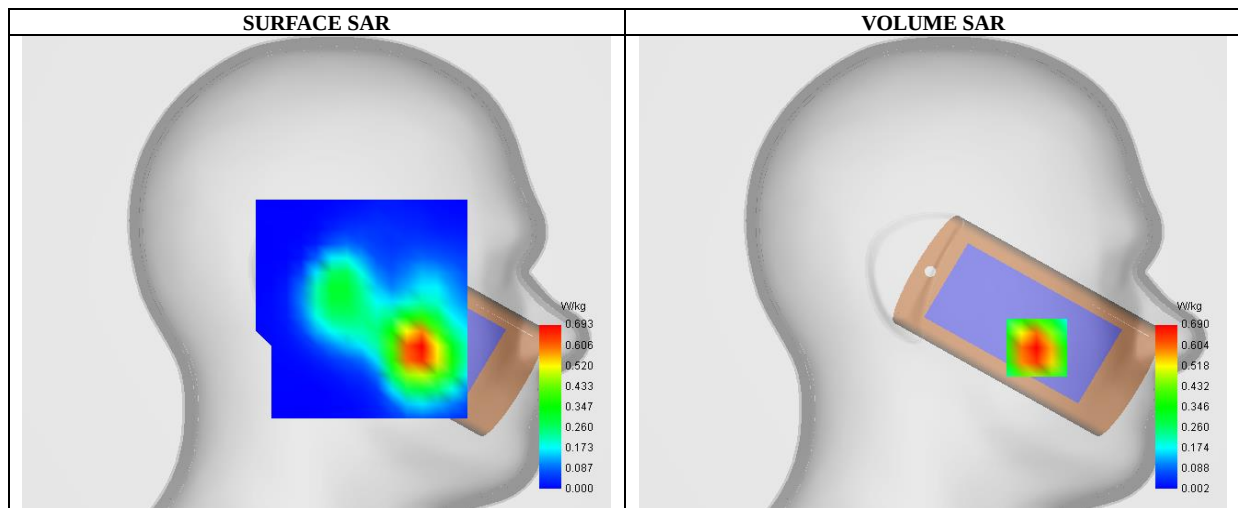
Communication System: LTE; Communication System Band: LTE Band 66; Duty Cycle:1:1; Conv.F=2.28;
Frequency:1745 MHz; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.40$ mho/m; $\epsilon_r = 40.13$; $\rho = 1000$ kg/m³ ;
Phantom section: Left Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ LTE Band 66 Mid- Touch-Left /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ LTE Band 66 Mid- Touch-Left /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	Left head
Device Position	Cheek
Band	LTE Band 66
Channels	Middle
Signal	OFDM (Crest factor: 1.0)



Maximum location: X=-55.00, Y=-41.00 ; SAR Peak: 1.02 W/kg

SAR 10g (W/Kg)	0.364
SAR 1g (W/Kg)	0.653
Variation (%)	-0.590
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	62.883961

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