
SAR Test Report

Report No.: AGC12845251004FH01

FCC ID : 2BLLH-T10

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION : Tablet

BRAND NAME : FJDynamics

MODEL NAME : T10

APPLICANT : FJ Dynamics Technology Academy (Changzhou) Co., Ltd. Shenzhen Branch

DATE OF ISSUE : Jan. 12, 2026

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	/	Jan. 12, 2026	Valid	Initial Release

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Test Report	
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Applicant Address	Room 501, Building 13, Nangang Second Industrial Park, Nanshan District, Shenzhen, China
Manufacturer Name	FJ Dynamics Technology Academy (Changzhou) Co., Ltd. Shenzhen Branch
Manufacturer Address	Room 501, Building 13, Nangang Second Industrial Park, Nanshan District, Shenzhen, China
Factory Name	FJ Dynamics Technology Academy (Changzhou) Co., Ltd. Shenzhen Branch
Factory Address	Room 501, Building 13, Nangang Second Industrial Park, Nanshan District, Shenzhen, China
Product Designation	Tablet
Brand Name	FJDynamics
Model Name	T10
Series Model	N/A
Different Description	N/A
EUT Voltage	DC 3.8V 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	Nov. 05, 2025
Test Date	Dec. 15, 2025 to Dec. 24, 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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Jack Gui (Reviewer) Jan. 12, 2026

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Angela Li (Authorized Officer) Jan. 12, 2026

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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)
	Body-worn(with 0mm separation)	Hotspot(with 0mm separation)	
GSM 850	1.146	1.146	1.6
PCS 1900	1.261	1.261	
UMTS Band II	1.198	1.198	
UMTS Band V	0.964	0.964	
LTE Band 2	1.092	1.092	
LTE Band 4	1.131	1.131	
LTE Band 5	0.988	0.988	
LTE Band 7	1.218	1.218	
LTE Band 38	1.253	1.253	
LTE Band 40-Lower Side	1.248	1.248	
LTE Band 40- Upper Side	1.075	1.075	
LTE Band 41	1.177	1.177	
WIFI 2.4G	0.313	0.313	
5.2GHz (U-NII-1)	0.245	0.245	
5.3GHz (U-NII-2A)	0.280	0.280	
5.6GHz (U-NII-2C)	0.336	0.336	
5.8GHz (U-NII-3)	0.318	0.318	
Simultaneous Reported SAR	1.597		
SAR Test Result	PASS		

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

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

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2. GENERAL INFORMATION

2.1. EUT Description

General Information	
Product Designation	Tablet
Test Model	T10
Hardware Version	V2
Software Version	V4.0.0.16
Sample ID	251104211
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	PIFA Antenna
GSM and GPRS& EGPRS	
Support Band	☒ GSM 850 ☒ PCS 1900 ☐ GSM 900 ☐ DCS 1800
GPRS & EGPRS Type	Class B
GPRS & EGPRS Class	Class 12(1Tx+4Rx, 2Tx+3Rx, 3Tx+2Rx, 4Tx+1Rx)
TX Frequency Range	GSM 850 : 820-850MHz; PCS 1900: 1850-1910MHz;
RX Frequency Range	GSM 850 : 869~894MHz; PCS 1900: 1930~1990MHz
Release Version	R99
Type of modulation	GMSK for GSM/GPRS; GMSK & 8-PSK for EGPRS
Antenna Gain	GSM850: -1.59dBi; PCS1900: 0.36dBi
Max. Average Power	GSM850: 36.38dBm; PCS1900: 29.12dBm
WCDMA	
Support Band	☒ UMTS FDD Band II ☒ UMTS FDD Band V ☐ UMTS FDD Band IV ☐ UMTS FDD Band I ☐ UMTS FDD Band III ☐ UMTS FDD Band VIII
HS Type	HSPA(HSUPA/HSDPA)
TX Frequency Range	FDD Band II: 1850-1910MHz; FDD Band V: 824-849MHz
RX Frequency Range	FDD Band II: 1930-1990MHz; FDD Band V: 869-894MHz
Release Version	Release 6 and later
Type of modulation	HSDPA:QPSK/16QAM; HSUPA:BPSK; WCDMA:QPSK
Antenna Gain	Band II: 0.36dBi; Band V: -1.59dBi
Max. Average Power	Band II: 22.94dBm; Band V: 27.74dBm
Bluetooth	
Bluetooth Version	V5.0
Operation Frequency	2402~2480MHz
Type of modulation	☒ GFSK ☒ π/4-DQPSK ☒ 8-DPSK
Peak Power	0.343dBm
Antenna Gain	3.07dBi
2.4GHz WIFI	
WIFI Specification	☐ 802.11a ☒ 802.11b ☒ 802.11g ☒ 802.11n(20) ☒ 802.11n(40)
Operation Frequency	2412~2462MHz
Avg. Burst Power	11b: 16.77dBm, 11g: 12.96dBm, 11n(20): 12.89dBm, 11n(40): 10.95dBm
Antenna Gain	3.07dBi

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EUT Description(Continue)

LTE	
Support Band	☒ FDD Band 2 ☒ FDD Band 4 ☒ FDD Band 5 ☒ FDD Band 7 ☒ TDD Band 38 ☒ TDD Band 40 ☒ TDD Band 41
TX Frequency Range	Band 2:1850-1910MHz; Band 4:1710-1755MHz;Band 5:824-849MHz; Band 7:2500-2570MHz; Band 38: 2570-2620 MHz; Band 40:2305-2315&2350-2360MHz; Band 41:2496-2690MHz;
RX Frequency Range	Band 2:1930-1990MHz; Band 4:2110-2155MHz; Band 5:869-894MHz; Band 7:2620-2690MHz; Band 38: 2570-2620 MHz; Band 40:2305-2315&2350-2360MHz; Band 41:2496-2690MHz;
Type of modulation	QPSK, 16QAM
Antenna Gain	Band 2: 2.93dBi; Band 4: 2.93dBi; Band 5: 2.93dBi; Band 7: 2.93dBi; Band 38: 2.93dBi; Band 40: 2.93dBi; Band 41: 2.93dBi;
Max. Average Power	Band 2: 20.06dBm; Band 4: 21.11dBm; Band 5: 22.90dBm; Band 7:19.86dBm; Band 38: 20.11dBm; LTE-Band 40(Lower Side): 19.98dBm; LTE-Band 40 (Upper Side): 20.30Bm; Band 41: 20.54dBm;
5 GHz WIFI	
WIFI Specification	☒ 802.11a ☒ 802.11n20 ☒ 802.11n40 ☒ 802.11ac20 ☒ 802.11ac40 ☒ 802.11ac80
Operation Frequency	U-NII-1: 5180MHz~5240MHz; U-NII-2A: 5260MHz~5320MHz; U-NII-2C: 5500MHz~5700MHz;U-NII-3: 5745MHz~5825MHz
Max. conducted Power	U-NII-1: 13.81dBm; U-NII-2A: 13.48dBm; U-NII-2C: 13.99dBm; U-NII-3:14.33dBm
Antenna Gain	5.10dBi
Accessories	
Battery	Brand name: N/A Model No. : 5840139 Voltage and Capacitance: 3.8 V & 8000mAh
Earphone	Brand name: N/A Model No. : N/A

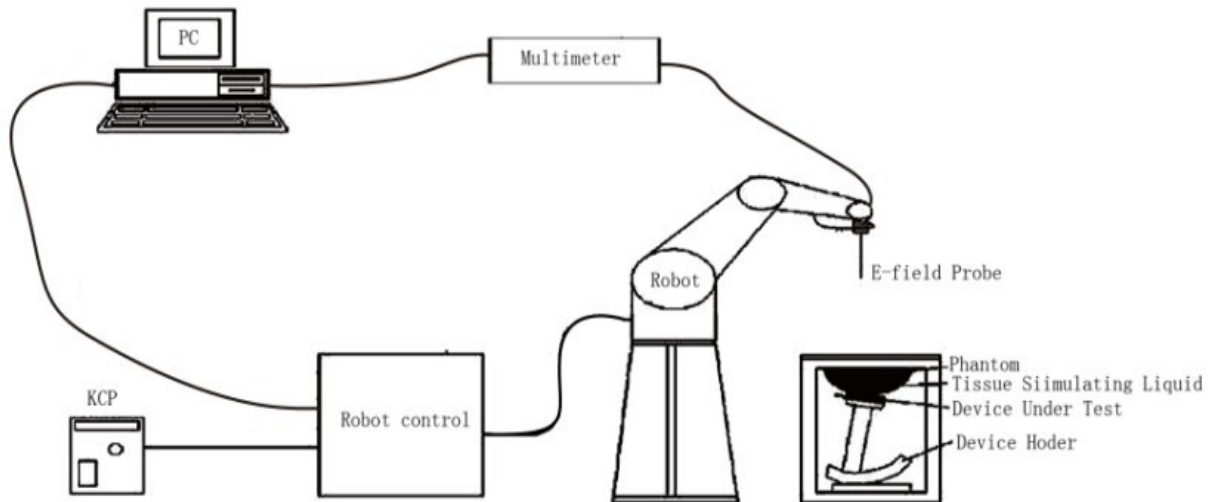
- Note:1.CMU200 can measure the average power and Peak power at the same time
2.The sample used for testing is end product.
3. The test sample has no any deviation to the test method of standard mentioned in page 1.

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:

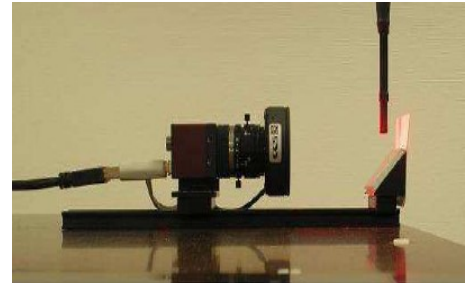
- ☐ High precision (repeatability 0.02 mm)
- ☐ High reliability (industrial design)
- ☐ Jerk-free straight movements
- ☐ Low ELF interference (the closed metallic construction shields against motor control fields)
- ☐ 6-axis controller



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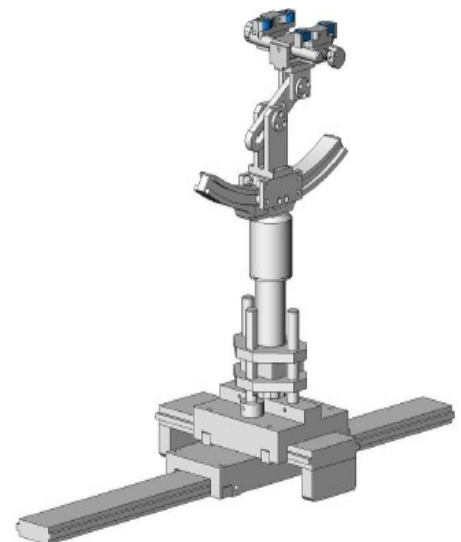
3.4. Video Positioning System

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

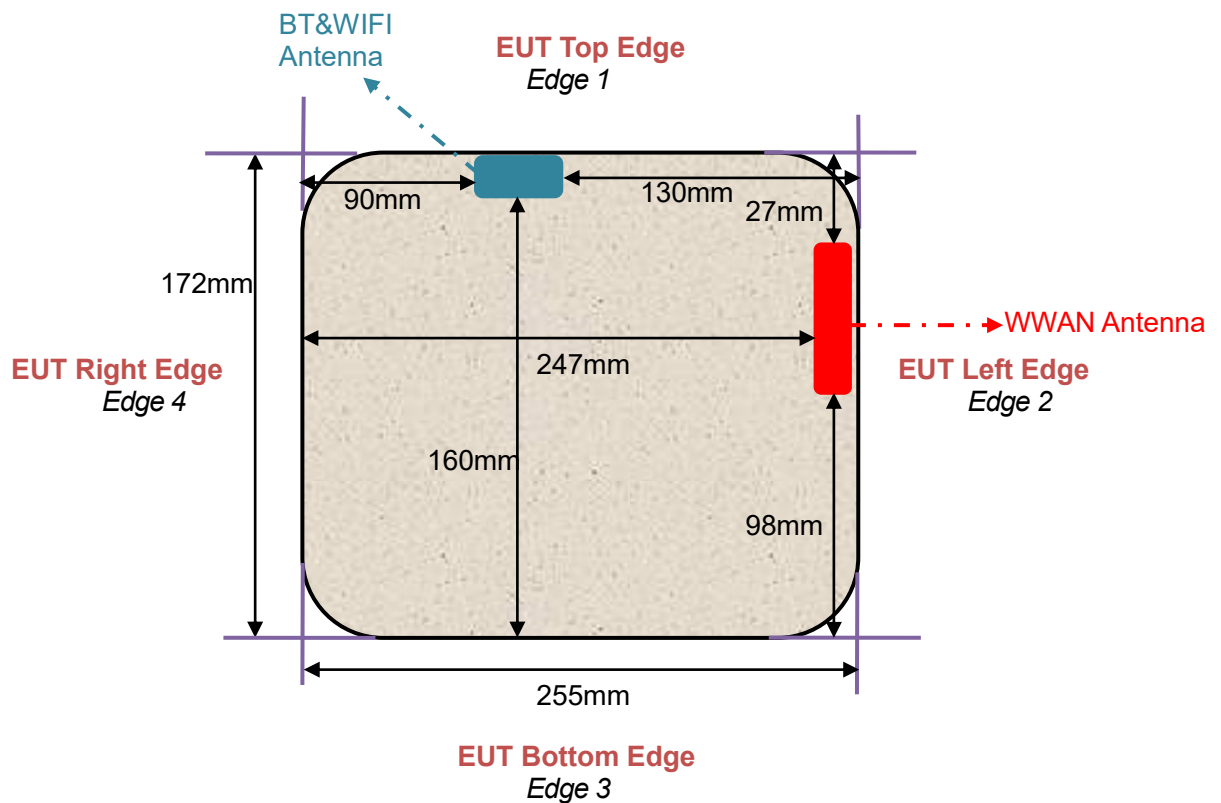
Test Configuration and setting:

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 front view)



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SAR Test Exclusion Consideration for Adjacent Edges

Per KDB 447498 D01 cl. 4.3.1:

a) 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 SAR.

b) 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:

1) $\{[\text{Power allowed at numeric threshold for 50 mm in step a)}] + [(\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)]\}$ mW, for 100 MHz to 1500 MHz

2) $\{[\text{Power allowed at numeric threshold for 50 mm in step a)}] + [(\text{test separation distance} - 50 \text{ mm}) \cdot 10]\}$ mW, for > 1500 MHz and $d \leq 6$ GHz

1-g SAR test exclusion thresholds for WWAN					
Test position		Edge 1 (27mm)	Edge 2 (9mm)	Edge 3 (98mm)	Edge 4 (247mm)
Test Mode					
GSM850	SAR test exclusion thresholds(mW)	88.56	29.52	431.71	1262.73
	SAR Max. Avg. Burst Power(mW)	1733.80	1733.80	1733.80	1733.80
	SAR required (Yes/No)	YES	YES	YES	YES
PCS1900	SAR test exclusion thresholds(mW)	58.61	19.54	588.54	2078.54
	SAR Max. Avg. Burst Power(mW)	159.22	159.22	159.22	159.22
	SAR required (Yes/No)	YES	YES	NO	NO
WCDMA Band II	SAR test exclusion thresholds(mW)	59.08	19.69	589.40	2079.40
	SAR Max. Avg. Burst Power(mW)	196.79	196.79	196.79	196.79
	SAR required (Yes/No)	YES	YES	NO	NO
WCDMA Band V	SAR test exclusion thresholds(mW)	89.10	29.70	429.45	1250.34
	SAR Max. Avg. Burst Power(mW)	594.29	594.29	594.29	594.29
	SAR required (Yes/No)	YES	YES	YES	NO
LTE Band 2	SAR test exclusion thresholds(mW)	59.54	19.85	590.26	2080.26
	SAR Max. Avg. Burst Power(mW)	101.39	101.39	101.39	101.39
	SAR required (Yes/No)	YES	YES	NO	NO
LTE Band 4	SAR test exclusion thresholds(mW)	61.54	20.51	593.96	2083.96
	SAR Max. Avg. Burst Power(mW)	129.12	129.12	129.12	129.12
	SAR required (Yes/No)	YES	YES	NO	NO
LTE Band 5	SAR test exclusion thresholds(mW)	89.19	29.73	429.08	1248.28
	SAR Max. Avg. Burst Power(mW)	194.98	194.98	194.98	194.98
	SAR required (Yes/No)	YES	YES	NO	NO
LTE Band 7	SAR test exclusion thresholds(mW)	50.58	16.86	573.66	2063.66
	SAR Max. Avg. Burst Power(mW)	96.83	96.83	96.83	96.83
	SAR required (Yes/No)	YES	YES	NO	NO
LTE Band 38	SAR test exclusion thresholds(mW)	50.07	16.69	572.71	2062.71
	SAR Max. Avg. Burst Power(mW)	102.57	102.57	102.57	102.57
	SAR required (Yes/No)	YES	YES	NO	NO
LTE Band 40-lower side	SAR test exclusion thresholds(mW)	53.27	17.76	578.64	2068.64
	SAR Max. Avg. Burst Power(mW)	99.54	99.54	99.54	99.54
	SAR required (Yes/No)	YES	YES	NO	NO
LTE Band 40-upper side	SAR test exclusion thresholds(mW)	52.75	17.58	577.69	2067.69
	SAR Max. Avg. Burst Power(mW)	107.15	107.15	107.15	107.15
	SAR required (Yes/No)	YES	YES	NO	NO
LTE Band 41	SAR test exclusion thresholds(mW)	49.41	16.47	571.50	2061.50
	SAR Max. Avg. Burst Power(mW)	113.24	113.24	113.24	113.24
	SAR required (Yes/No)	YES	YES	NO	NO

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1-g SAR test exclusion thresholds for WWAN					
Test position		Edge 1 (9mm)	Edge 2 (130mm)	Edge 3 (160mm)	Edge 4 (90mm)
Test Mode					
2.4GHz BR/EDR	SAR test exclusion thresholds(mW)	17.28	896.01	1196.01	496.01
	SAR Max. Avg. Burst Power(mW)	1.08	1.08	1.08	1.08
	SAR required (Yes/No)	NO	NO	NO	NO
2.4GHz BLE	SAR test exclusion thresholds(mW)	17.41	896.74	1196.74	496.74
	SAR Max. Avg. Burst Power(mW)	0.63	0.63	0.63	0.63
	SAR required (Yes/No)	NO	NO	NO	NO
2.4GHz WIFI	SAR test exclusion thresholds(mW)	17.39	896.58	1196.58	496.58
	SAR Max. Avg. Burst Power(mW)	47.53	47.53	47.53	47.53
	SAR required (Yes/No)	YES	NO	NO	NO
5.2GHz (U-NII-1)	SAR test exclusion thresholds(mW)	11.80	865.53	1165.53	465.53
	SAR Max. Avg. Burst Power(mW)	24.04	24.04	24.04	24.04
	SAR required (Yes/No)	YES	NO	NO	NO
5.3GHz (U-NII-2A)	SAR test exclusion thresholds(mW)	11.71	865.03	1165.03	465.03
	SAR Max. Avg. Burst Power(mW)	22.28	22.28	22.28	22.28
	SAR required (Yes/No)	YES	NO	NO	NO
5.6GHz (U-NII-2C)	SAR test exclusion thresholds(mW)	11.43	863.50	1163.50	463.50
	SAR Max. Avg. Burst Power(mW)	25.06	25.06	25.06	25.06
	SAR required (Yes/No)	YES	NO	NO	NO
5.8GHz (U-NII-3)	SAR test exclusion thresholds(mW)	11.26	862.58	1162.58	462.58
	SAR Max. Avg. Burst Power(mW)	27.10	27.10	27.10	27.10
	SAR required (Yes/No)	YES	NO	NO	NO

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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	Diethylen glycol monohex ylether
835 Head	50.36	1.25	48.39	0.0	0.0	0.0	0.0
1750 Head	52.64	0.36	0.0	47	0.0	0.0	0.0
1900 Head	54.9	0.18	0.0	44.92	0.0	0.0	0.0
2300 Head	62.82	0.51	0.0	36.67	0.0	0.0	0.0
2450 Head	71.88	0.16	0.0	7.99	0.0	19.97	0.0
2600 Head	55.242	0.306	0	44.452	0	0	0.0
5000 Head	65.52	0.0	0.0	0.0	0.0	17.24	17.24

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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
5200	36.0	4.66	36.0	4.66
5300	35.9	4.76	35.9	4.76
5600	35.5	5.07	35.5	5.07
5800	35.3	5.27	35.3	5.27

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

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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 835MHz							
	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)				
Head	824.2	42.33	0.87	21.1	56.1	20.8	Dec. 19, 2025
	826.4	42.01	0.88				
	829	41.69	0.89				
	835	41.27	0.91				
	836.4	41.02	0.92				
	836.5	41.02	0.92				
	836.6	41.02	0.92				
	844	40.86	0.93				
	846.6	40.62	0.93				
	848.8	40.31	0.94				

Tissue Stimulant Measurement for 1750MHz							
	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)				
Head	1712.4	41.03	1.33	20.9	54.9	20.4	Dec. 24, 2025
	1720	40.37	1.34				
	1732.4	40.13	1.35				
	1732.5	40.13	1.35				
	1745	39.87	1.36				
	1750	39.62	1.37				
	1752.6	39.33	1.39				

Tissue Stimulant Measurement for 1900MHz							
	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r 40.00 (38.00-42.00)	δ [s/m] 1.40 (1.33-1.47)				
Head	1850.2	40.13	1.34	21.7	52.6	21.2	Dec. 23, 2025
	1852.4	39.89	1.34				
	1860	39.62	1.35				
	1880	39.33	1.35				
	1900	39.18	1.36				
	1907.6	38.61	1.38				
	1909.8	38.43	1.40				

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Tissue Stimulant Measurement for 2300MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r 39.5 (37.525-41.475)	δ [s/m] 1.67 (1.587-1.754)				
	2300	38.81	1.62				
	2310	38.66	1.63				
	2355	37.91	1.65	22.3	61.6	21.8	Dec. 20, 2025

Tissue Stimulant Measurement for 2450MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r 39.2 (37.24-41.16)	δ [s/m] 1.80(1.71-1.89)				
	2412	39.33	1.74				
	2437	39.10	1.76				
	2450	38.89	1.78				
	2462	38.61	1.80	21.4	54.4	21.1	Dec. 22, 2025

Tissue Stimulant Measurement for 2600MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r 39 (37.05-40.95)	δ [s/m] 1.96(1.86-2.06)				
	2506	40.10	1.87				
	2510	39.87	1.88				
	2535	39.61	1.90				
	2560	39.33	1.91				
	2580	39.13	1.93				
	2593	38.96	1.95				
	2595	38.91	1.96				
	2600	38.77	1.98				
	2610	38.43	2.00				
	2680	38.19	2.01	22.0	59.4	21.4	Dec. 21, 2025

Tissue Stimulant Measurement for 5200MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r 36.0(34.105-37.695)	δ [s/m] 4.66(4.427-4.893)				
	5180	36.91	4.51				
	5200	35.73	4.56				
	5240	34.12	4.61	20.9	59.8	20.4	Dec. 16, 2025

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Tissue Stimulant Measurement for 5300MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r	δ [s/m]				
		35.9(34.105-37.695)	4.76(4.522-4.998)				
	5260	36.31	4.61	21.5	56.7	20.9	Dec. 18, 2025
	5300	35.47	4.63				
	5320	34.91	4.65				

Tissue Stimulant Measurement for 5600MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r	δ [s/m]				
		35.5(33.725-37.275)	5.07(5.0065-5.5335)				
	5500	34.93	5.15	21.2	51.2	20.8	Dec. 17, 2025
	5550	34.26	5.17				
	5580	34.06	5.20				
	5700	33.88	5.23				

Tissue Stimulant Measurement for 5800MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r	δ [s/m]				
		35.3 (33.535-37.065)	5.27 (5.0065-5.5335)				
	5745	35.16	5.12	20.7	48.4	20.3	Dec. 15, 2025
	5785	34.69	5.15				
	5800	34.38	5.17				
	5825	33.91	5.19				

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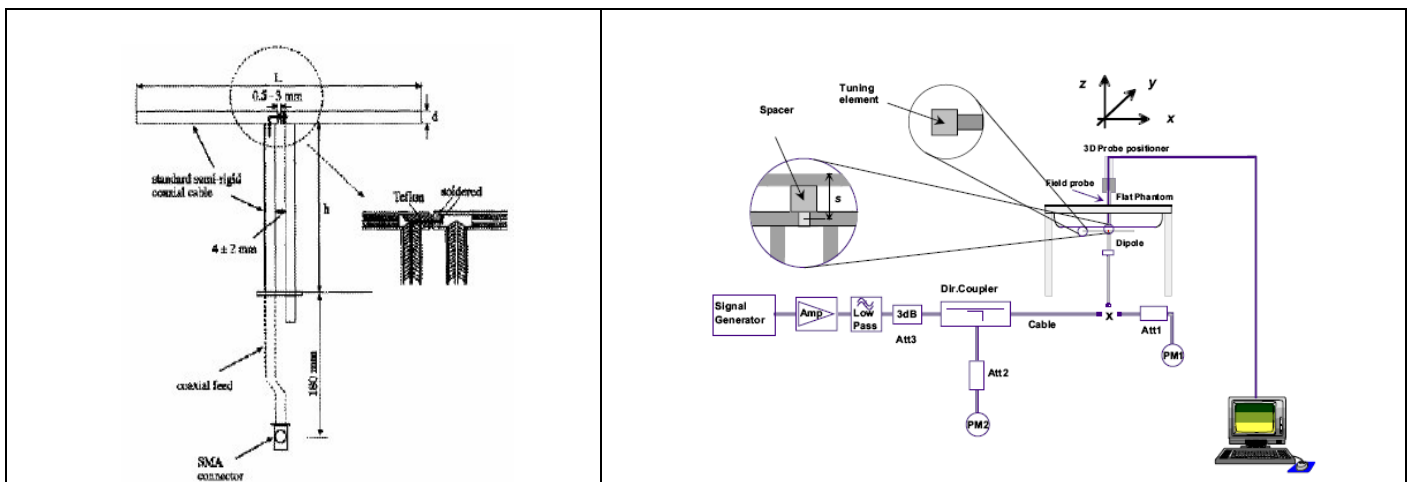
6. SAR SYSTEM CHECK PROCEDURE

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.

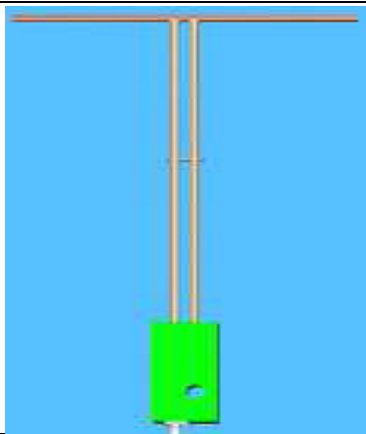
The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system check setup is shown as below.



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6.2. SAR System Check

6.2.1. Dipoles

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

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

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6.2.2. System Check Result

System Performance Check at 835MHz &1800MHz &1900MHz &2300MHz &2450MHz&2600MHz & 5200-5800MHz for Head							
Validation Kit: SN 1516 DIP 0G835-399& SN 4611 DIP 1G800-186& SN 2915 DIP 1G900-389& SN 2216 DIP 2G300-412& SN 2915 DIP 2G450-393& SN 2216 DIP 2G600-407& SN 1722 DIP 5G000-671							
Frequency [MHz]	Target Value(W/kg)		Reference Result ($\pm 10\%$)		Tested Value(W/kg)		Test time
	1g	10g	1g	10g	1g	10g	
835	9.67	6.29	8.70-10.64	5.66-6.92	8.86	6.26	Dec. 19, 2025
1800	36.11	19.04	32.50-39.72	17.14-20.94	34.69	17.93	Dec. 24, 2025
1900	39.83	20.59	35.85-43.81	18.53-22.65	39.83	21.27	Dec. 23, 2025
2300	48.73	23.33	43.86-53.60	21.00-25.66	47.50	23.62	Dec. 20, 2025
2450	53.5	25.0	48.15-58.85	22.50-27.50	53.57	24.29	Dec. 22, 2025
2600	55.22	25.01	49.70-60.74	22.51-27.51	55.91	25.11	Dec. 21, 2025
5200	77.74	22.60	69.97-85.51	20.34-24.86	71.80	22.40	Dec. 16, 2025
5200	77.74	22.60	69.97-85.51	20.34-24.86	73.90	23.80	Dec. 18, 2025
5600	80.69	23.28	72.62-88.76	20.95-25.61	74.60	22.50	Dec. 17, 2025
5800	75.01	21.84	67.51-82.51	19.66-24.02	73.30	23.60	Dec. 15, 2025

Note:

(1) We use a CW signal of 18dBm (835MHz-1900MHz), 15dBm (2300MHz-2600MHz), 10dBm (5200MHz-5800MHz) 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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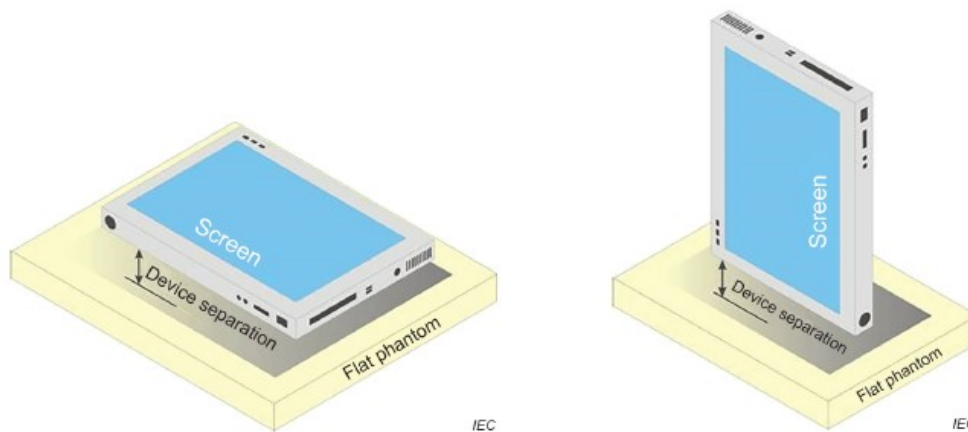
Attestation of Global Compliance(Shenzhen)Co., Ltd
Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd
Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: <http://www.agccert.com/>

7. EUT TEST POSITION

This EUT was tested in **Body back, Body front and 4 edges**.

7.1. 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-A071	Phantom	SATIMO	SN_2316_ELLI39	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-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-A063	Dipole	SATIMO SID2300	SN 2216 DIP 2G300-412	N/A	2025-05-16	2028-05-15
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-A101	Dipole	SID5000	SN 1722 DIP 5G000-671	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	36.27	-9	27.27
	836.6	36.38	-9	27.38
	848.8	36.35	-9	27.35
GPRS 850 (1 Slot)	824.2	36.30	-9	27.30
	836.6	36.36	-9	27.36
	848.8	36.31	-9	27.31
GPRS 850 (2 Slot)	824.2	35.37	-6	29.37
	836.6	35.46	-6	29.46
	848.8	35.42	-6	29.42
GPRS 850 (3 Slot)	824.2	35.32	-4.26	31.06
	836.6	35.41	-4.26	31.15
	848.8	35.36	-4.26	31.10
GPRS 850 (4 Slot)	824.2	35.30	-3	32.30
	836.6	35.39	-3	32.39
	848.8	35.35	-3	32.35
EGPRS 850 (1 Slot)	824.2	31.47	-9	22.47
	836.6	31.47	-9	22.47
	848.8	31.62	-9	22.62
EGPRS 850 (2 Slot)	824.2	30.34	-6	24.34
	836.6	30.35	-6	24.35
	848.8	30.43	-6	24.43
EGPRS 850 (3 Slot)	824.2	28.10	-4.26	23.84
	836.6	28.09	-4.26	23.83
	848.8	28.18	-4.26	23.92
EGPRS 850 (4 Slot)	824.2	26.97	-3	23.97
	836.6	26.98	-3	23.98
	848.8	27.04	-3	24.04

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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	36.07	-9	27.07
	836.6	35.82	-9	26.82
	848.8	35.51	-9	26.51
GPRS 850 (1 Slot)	824.2	36.22	-9	27.22
	836.6	35.39	-9	26.39
	848.8	35.60	-9	26.60
GPRS 850 (2 Slot)	824.2	34.88	-6	28.88
	836.6	34.54	-6	28.54
	848.8	35.41	-6	29.41
GPRS 850 (3 Slot)	824.2	34.67	-4.26	30.41
	836.6	35.38	-4.26	31.12
	848.8	34.40	-4.26	30.14
GPRS 850 (4 Slot)	824.2	35.20	-3	32.20
	836.6	35.23	-3	32.23
	848.8	34.42	-3	31.42

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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	28.87	-9	19.87
	1880	28.97	-9	19.97
	1909.8	29.12	-9	20.12
GPRS1900 (1 Slot)	1850.2	28.84	-9	19.84
	1880	28.84	-9	19.84
	1909.8	28.97	-9	19.97
GPRS1900 (2 Slot)	1850.2	27.87	-6	21.87
	1880	27.90	-6	21.90
	1909.8	28.02	-6	22.02
GPRS1900 (3 Slot)	1850.2	25.98	-4.26	21.72
	1880	25.98	-4.26	21.72
	1909.8	26.07	-4.26	21.81
GPRS1900 (4 Slot)	1850.2	24.72	-3	21.72
	1880	24.73	-3	21.73
	1909.8	24.83	-3	21.83
EGPRS1900 (1 Slot)	1850.2	26.25	-9	17.25
	1880	26.26	-9	17.26
	1909.8	26.32	-9	17.32
EGPRS1900 (2 Slot)	1850.2	25.02	-6	19.02
	1880	25.17	-6	19.17
	1909.8	25.22	-6	19.22
EGPRS1900 (3 Slot)	1850.2	22.96	-4.26	18.70
	1880	23.07	-4.26	18.81
	1909.8	23.13	-4.26	18.87
EGPRS1900 (4 Slot)	1850.2	21.91	-3	18.91
	1880	21.99	-3	18.99
	1909.8	21.99	-3	18.99

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Mode	Frequency(MHz)	Avg. Burst Power(dBm)	Duty cycle Factor(dBm)	Frame Power(dBm)
Maximum Power <2>				
PCS1900	1850.2	28.49	-9	19.49
	1880	28.87	-9	19.87
	1909.8	28.94	-9	19.94
GPRS1900 (1 Slot)	1850.2	28.30	-9	19.30
	1880	28.16	-9	19.16
	1909.8	28.96	-9	19.96
GPRS1900 (2 Slot)	1850.2	27.00	-6	21.00
	1880	27.42	-6	21.42
	1909.8	27.78	-6	21.78
GPRS1900 (3 Slot)	1850.2	25.93	-4.26	21.67
	1880	25.13	-4.26	20.87
	1909.8	25.20	-4.26	20.94
GPRS1900 (4 Slot)	1850.2	23.94	-3	20.94
	1880	23.94	-3	20.94
	1909.8	24.27	-3	21.27

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	22.91
	1880	22.94
	1907.6	22.94
HSDPA Subtest 1	1852.4	21.97
	1880	21.90
	1907.6	21.96
HSDPA Subtest 2	1852.4	21.49
	1880	21.42
	1907.6	21.41
HSDPA Subtest 3	1852.4	21.46
	1880	21.43
	1907.6	21.46
HSDPA Subtest 4	1852.4	21.44
	1880	21.35
	1907.6	21.44
HSUPA Subtest 1	1852.4	20.34
	1880	20.29
	1907.6	20.32
HSUPA Subtest 2	1852.4	19.98
	1880	19.94
	1907.6	19.94
HSUPA Subtest 3	1852.4	20.98
	1880	20.89
	1907.6	20.92
HSUPA Subtest 4	1852.4	19.44
	1880	19.40
	1907.6	19.45
HSUPA Subtest 5	1852.4	20.98
	1880	20.93
	1907.6	20.93

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UMTS BAND V

Mode	Frequency (MHz)	Avg. Burst Power (dBm)
WCDMA 850 RMC	826.4	27.74
	836.4	27.66
	846.6	27.72
HSDPA Subtest 1	826.4	26.79
	836.4	26.67
	846.6	26.73
HSDPA Subtest 2	826.4	26.31
	836.4	26.15
	846.6	26.21
HSDPA Subtest 3	826.4	26.19
	836.4	26.13
	846.6	26.26
HSDPA Subtest 4	826.4	26.23
	836.4	26.07
	846.6	26.13
HSUPA Subtest 1	826.4	25.16
	836.4	25.07
	846.6	25.12
HSUPA Subtest 2	826.4	24.75
	836.4	24.63
	846.6	24.70
HSUPA Subtest 3	826.4	25.76
	836.4	25.65
	846.6	25.70
HSUPA Subtest 4	826.4	24.32
	836.4	24.20
	846.6	24.25
HSUPA Subtest 5	826.4	25.82
	836.4	25.67
	846.6	25.79

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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 $\beta_o/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$.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

LTE (TDD) Considerations

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

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

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

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

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

Table 4.2-2: Uplink-downlink configurations

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

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Calculated Duty Cycle

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

Note: Calculated Duty Cycle = Extended cyclic prefix in uplink x (Ts) x # of S + # of U

Example for Calculated Duty Cycle for Uplink-Downlink Configuration 0:

Calculated Duty Cycle = $5120 \times [1/(15000 \times 2048)] \times 2 + 6 \text{ ms} = 63.33\%$

where

$T_s = 1/(15000 \times 2048)$ seconds

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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	19.88	19.83	19.79
			3	0	20.06	19.96	20.05
			5	0	19.90	19.84	19.77
		3	0	0	20.00	19.90	19.93
			2	0	19.99	19.94	20.05
			3	0	20.00	20.04	19.95
		6	0	1	18.94	18.91	18.90
	16QAM	1	0	1	18.79	18.65	18.79
			3	1	19.21	19.02	19.07
			5	1	18.82	18.65	18.80
		3	0	1	18.89	18.79	18.75
			2	1	18.97	18.86	18.96
			3	1	18.89	18.72	18.79
		6	0	2	17.82	17.89	17.89
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18615	18900	19185
3MHz	QPSK	1	0	0	19.50	19.44	19.42
			7	0	19.50	19.39	19.40
			14	0	19.48	19.48	19.39
		8	0	1	18.51	18.44	18.45
			4	1	18.53	18.50	18.43
			7	1	18.52	18.43	18.42
		15	0	1	18.53	18.40	18.45
	16QAM	1	0	1	18.63	18.42	18.21
			7	1	18.51	18.60	18.42
			14	1	18.49	18.32	18.23
		8	0	2	17.54	17.46	17.45
			4	2	17.56	17.41	17.41
			7	2	17.57	17.42	17.39
		15	0	2	17.55	17.38	17.40

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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	19.47	19.31	19.34
			13	0	19.54	19.36	19.45
			24	0	19.46	19.31	19.29
		12	0	1	18.44	18.45	18.47
			6	1	18.59	18.51	18.49
			13	1	18.51	18.44	18.42
		25	0	1	18.51	18.49	18.47
	16QAM	1	0	1	18.44	18.50	18.30
			13	1	18.53	18.60	18.63
			24	1	18.41	18.48	18.30
		12	0	2	17.46	17.51	17.50
			6	2	17.60	17.57	17.47
			13	2	17.55	17.47	17.42
		25	0	2	17.61	17.44	17.55
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18650	18900	19150
10MHz	QPSK	1	0	0	19.49	19.49	19.44
			25	0	19.59	19.55	19.54
			49	0	19.42	19.38	19.38
		25	0	1	18.43	18.55	18.61
			13	1	18.52	18.50	18.51
			25	1	18.64	18.50	18.44
		50	0	1	18.50	18.55	18.53
	16QAM	1	0	1	18.57	18.42	18.26
			25	1	18.63	18.73	18.62
			49	1	18.50	18.31	18.23
		25	0	2	17.50	17.60	17.71
			13	2	17.60	17.52	17.52
			25	2	17.63	17.64	17.48
		50	0	2	17.59	17.64	17.59

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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	19.45	19.35	19.40
			38	0	19.46	19.51	19.39
			74	0	19.25	19.17	19.26
		36	0	1	18.49	18.47	18.49
			18	1	18.50	18.47	18.50
			39	1	18.52	18.51	18.51
		75	0	1	18.52	18.44	18.49
	16QAM	1	0	1	18.55	18.56	18.16
			38	1	18.47	18.60	18.43
			74	1	18.27	18.40	18.07
		36	0	2	18.44	18.48	18.50
			18	2	17.50	17.48	17.48
			39	2	18.46	18.50	18.50
		75	0	2	17.43	17.52	17.48
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					18700	18900	19100
20MHz	QPSK	1	0	0	19.26	19.17	19.21
			50	0	19.47	19.59	19.51
			99	0	19.11	19.08	19.08
		50	0	1	18.39	18.55	18.50
			25	1	18.47	18.53	18.51
			50	1	18.38	18.47	18.26
		100	0	1	18.36	18.53	18.37
	16QAM	1	0	1	18.47	18.14	18.24
			50	1	18.81	18.55	18.62
			99	1	18.29	17.94	18.04
		50	0	2	17.42	17.65	17.54
			25	2	17.58	17.55	17.51
			50	2	17.42	17.56	17.31
		100	0	2	17.42	17.52	17.41

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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	20.10	21.11	19.99
			3	0	20.22	20.19	20.22
			5	0	20.05	20.03	19.96
		3	0	0	20.18	20.10	20.11
			2	0	20.16	20.08	20.21
			3	0	20.05	20.17	20.12
		6	0	1	19.01	19.08	19.08
	16QAM	1	0	1	18.94	18.86	18.98
			3	1	19.39	19.21	19.27
			5	1	18.98	18.81	18.96
		3	0	1	19.00	18.94	18.96
			2	1	19.14	19.14	19.10
			3	1	18.93	18.92	18.94
		6	0	2	17.84	18.07	18.11
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					19965	20175	20385
3MHz	QPSK	1	0	0	19.48	19.51	19.51
			7	0	19.50	19.48	19.48
			14	0	19.48	19.51	19.53
		8	0	1	18.50	19.72	18.52
			4	1	18.57	18.55	18.55
			7	1	18.51	18.44	18.53
		15	0	1	18.52	18.45	18.48
	16QAM	1	0	1	18.57	18.45	18.31
			7	1	18.51	18.69	18.53
			14	1	18.54	18.38	18.35
		8	0	2	17.58	17.50	17.54
			4	2	17.63	17.49	17.46
			7	2	17.58	17.48	17.57
		15	0	2	17.52	17.42	17.46

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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	19.48	19.36	19.42
			13	0	19.74	19.71	19.53
			24	0	19.43	19.35	19.37
		12	0	1	18.54	18.52	18.55
			6	1	18.64	18.61	18.60
			13	1	18.59	18.52	18.52
		25	0	1	18.58	18.55	18.57
	16QAM	1	0	1	18.52	18.54	18.36
			13	1	18.67	18.81	18.82
			24	1	18.46	18.55	18.37
		12	0	2	17.53	17.60	17.57
			6	2	17.64	17.64	17.58
			13	2	17.60	17.56	17.54
		25	0	2	17.64	17.58	17.68
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20000	20175	20350
10MHz	QPSK	1	0	0	19.53	19.49	19.46
			25	0	19.73	19.65	19.68
			49	0	19.43	19.43	19.41
		25	0	1	18.58	18.59	18.60
			13	1	18.65	18.59	18.60
			25	1	18.68	18.53	18.57
		50	0	1	18.63	18.54	18.57
	16QAM	1	0	1	18.59	18.44	18.30
			25	1	18.70	18.89	18.72
			49	1	18.52	18.32	18.24
		25	0	2	17.60	17.66	17.68
			13	2	17.65	17.62	17.61
			25	2	17.70	17.64	17.64
		50	0	2	17.69	17.62	17.63

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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	19.47	19.43	19.45
			38	0	19.49	19.60	19.50
			74	0	19.31	19.21	19.33
		36	0	1	18.55	18.49	18.50
			18	1	18.57	18.51	18.54
			39	1	18.52	18.55	18.50
		75	0	1	18.54	18.57	18.51
	16QAM	1	0	1	18.58	18.61	18.28
			38	1	18.50	18.60	18.52
			74	1	18.36	18.42	18.12
		36	0	2	18.55	18.52	18.49
			18	2	17.50	17.55	17.49
			39	2	18.55	18.52	18.50
		75	0	2	17.50	17.59	17.54
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20050	20175	20300
20MHz	QPSK	1	0	0	19.34	19.27	19.24
			50	0	19.56	19.64	19.58
			99	0	19.11	19.09	19.07
		50	0	1	18.46	18.58	18.54
			25	1	18.59	18.50	18.56
			50	1	18.47	18.41	18.43
		100	0	1	18.51	18.49	18.49
	16QAM	1	0	1	18.31	18.50	18.11
			50	1	18.68	18.85	18.60
			99	1	18.13	18.34	17.96
		50	0	2	17.49	17.62	17.66
			25	2	17.58	17.61	17.58
			50	2	17.50	17.49	17.54
		100	0	2	17.48	17.53	17.51

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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	22.76	22.72	22.42
			3	0	22.90	22.47	22.36
			5	0	22.71	22.14	22.20
		3	0	0	22.83	22.40	22.28
			2	0	22.83	22.32	22.27
			3	0	22.81	22.39	22.30
		6	0	1	21.54	21.24	21.28
	16QAM	1	0	1	21.70	21.32	21.16
			3	1	21.92	21.55	21.45
			5	1	21.61	21.20	21.02
		3	0	1	21.64	21.05	21.21
			2	1	21.70	21.20	21.17
			3	1	21.30	21.08	21.08
		6	0	2	20.62	20.46	20.11
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20415	20525	20635
3MHz	QPSK	1	0	0	22.54	22.30	22.58
			7	0	22.87	22.31	22.20
			14	0	22.29	22.25	22.32
		8	0	1	21.30	21.26	21.24
			4	1	21.30	21.28	21.32
			7	1	21.26	21.32	21.22
		15	0	1	21.21	21.23	21.19
	16QAM	1	0	1	21.36	21.30	21.17
			7	1	21.27	21.26	21.39
			14	1	21.30	21.28	21.08
		8	0	2	20.37	20.33	20.29
			4	2	20.39	20.38	20.28
			7	2	20.34	20.45	20.21
		15	0	2	20.36	20.37	20.20

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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	22.29	22.28	22.19
			13	0	22.52	22.53	22.50
			24	0	22.21	22.22	22.12
		12	0	1	21.36	21.17	21.23
			6	1	21.36	21.34	21.33
			13	1	21.25	21.32	21.21
		25	0	1	21.32	21.29	21.30
	16QAM	1	0	1	21.27	21.23	21.27
			13	1	21.45	21.22	21.59
			24	1	21.20	21.14	21.20
		12	0	2	20.38	20.22	20.34
			6	2	20.42	20.41	20.47
			13	2	20.33	20.36	20.33
		25	0	2	20.40	20.39	20.32
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20450	20525	20600
10MHz	QPSK	1	0	0	22.39	22.37	22.20
			25	0	22.43	22.40	22.42
			49	0	22.23	22.17	22.14
		25	0	1	21.34	21.24	21.33
			13	1	21.29	21.22	21.23
			25	1	21.39	21.31	21.25
		50	0	1	21.37	21.27	21.26
	16QAM	1	0	1	21.34	21.17	21.00
			25	1	21.42	21.51	21.34
			49	1	21.25	21.05	20.98
		25	0	2	20.45	20.32	20.48
			13	2	20.38	20.33	20.31
			25	2	20.42	20.34	20.37
		50	0	2	20.44	20.32	20.37

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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	19.15	19.10	19.12
			12	0	19.32	19.40	19.47
			24	0	19.09	19.04	19.22
		12	0	1	18.20	18.20	18.32
			6	1	18.28	18.23	18.31
			13	1	18.24	18.18	18.23
		25	0	1	18.21	18.23	18.28
	16QAM	1	0	1	18.07	18.09	18.25
			12	1	18.13	18.42	18.53
			24	1	18.01	18.00	18.24
		12	0	2	17.22	17.20	17.37
			6	2	17.19	17.22	17.41
			13	2	17.20	17.12	17.32
		25	0	2	17.24	17.21	17.29
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20800	21100	21400
10MHz	QPSK	1	0	0	19.63	19.61	19.69
			24	0	19.83	19.82	19.86
			49	0	19.54	19.58	19.67
		25	0	1	18.68	18.72	18.72
			12	1	18.65	18.60	18.73
			25	1	18.68	18.60	18.79
		50	0	1	18.65	18.60	18.67
	16QAM	1	0	1	18.65	18.46	18.41
			24	1	18.75	18.85	18.84
			49	1	18.52	18.38	18.42
		25	0	2	17.68	17.78	17.76
			12	2	17.67	17.71	17.78
			25	2	17.69	17.67	17.79
		50	0	2	17.72	17.75	17.49

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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	19.08	19.00	19.15
			37	0	19.19	19.24	19.24
			74	0	18.96	18.91	19.04
		37	0	1	18.14	18.21	18.17
			16	1	18.19	18.21	18.25
			35	1	18.22	18.20	18.20
		75	0	1	18.16	18.19	18.19
	16QAM	1	0	1	18.12	18.23	17.86
			37	1	18.17	18.20	18.18
			74	1	17.98	18.08	17.76
		37	0	2	18.22	18.22	18.16
			16	2	17.19	17.16	17.17
			35	2	18.17	18.21	18.19
		75	0	2	17.13	17.16	17.20
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					20850	21100	21350
20MHz	QPSK	1	0	0	18.97	18.90	18.90
			49	0	19.25	19.14	19.35
			99	0	18.78	18.81	18.85
		50	0	1	18.08	18.17	18.02
			25	1	18.12	18.20	18.15
			49	1	18.19	18.04	18.19
		100	0	1	18.08	18.15	18.13
	16QAM	1	0	1	17.90	18.10	17.81
			49	1	18.28	18.34	18.22
			99	1	17.76	17.98	17.66
		50	0	2	17.11	17.22	17.21
			25	2	17.13	17.26	17.27
			49	2	17.18	17.03	17.29
		100	0	2	17.17	17.13	17.22

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Conducted Power of LTE Band 38 (dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					37775	38000	38225
5MHz	QPSK	1	0	0	19.61	19.59	19.80
			12	0	19.94	19.92	20.11
			24	0	19.57	19.61	19.77
		12	0	1	18.73	18.73	18.85
			6	1	18.74	18.80	18.92
			13	1	18.69	18.74	18.84
		25	0	1	18.66	18.74	18.84
	16QAM	1	0	1	18.92	18.74	18.78
			12	1	19.26	18.99	19.01
			24	1	18.90	18.69	18.74
		12	0	2	17.66	17.78	17.83
			6	2	17.76	17.82	17.84
			13	2	17.65	17.81	17.77
		25	0	2	17.76	17.78	17.86
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					37800	38000	38200
10MHz	QPSK	1	0	0	19.79	19.81	19.90
			24	0	19.91	19.92	20.02
			49	0	19.72	19.77	19.83
		25	0	1	18.77	18.79	18.87
			12	1	18.73	18.82	18.85
			25	1	18.80	18.77	18.85
		50	0	1	18.77	18.83	18.87
	16QAM	1	0	1	18.94	18.46	18.82
			24	1	19.05	18.47	18.83
			49	1	18.88	18.38	18.77
		25	0	2	17.87	17.85	17.92
			12	2	17.76	17.81	17.90
			25	2	17.87	17.85	17.93
		50	0	2	17.80	17.86	17.88

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Conducted Power of LTE Band 38 (dBm)

Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					37825	38000	38175
15MHz	QPSK	1	0	0	19.74	19.90	19.79
			38	0	19.82	19.80	19.86
			74	0	19.68	19.76	19.73
		37	0	1	18.81	18.82	18.92
			18	1	18.81	18.86	18.93
			37	1	18.82	18.87	18.95
		75	0	1	18.82	18.85	18.92
	16QAM	1	0	1	18.90	18.59	18.76
			38	1	18.85	18.61	18.71
			74	1	18.83	18.42	18.60
		37	0	2	18.84	18.82	18.92
			18	2	17.85	17.80	17.96
			37	2	18.81	18.86	18.93
		75	0	2	17.85	17.87	17.89
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					37850	38000	38150
20MHz	QPSK	1	0	0	19.59	19.52	19.73
			49	0	20.03	19.93	20.00
			99	0	19.51	19.39	19.61
		50	0	1	18.70	18.74	18.80
			25	1	18.74	18.87	18.87
			49	1	18.75	18.79	18.79
		100	0	1	18.72	18.77	18.81
	16QAM	1	0	1	18.57	18.09	18.31
			49	1	18.97	18.84	18.97
			99	1	18.45	17.96	18.15
		50	0	2	17.76	17.81	17.83
			25	2	17.90	17.92	17.90
			49	2	17.82	17.87	17.81
		100	0	2	17.75	17.79	17.87

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Avg. Output Power of LTE Band 40(dBm) -Lower Side						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				38725	38750	38775
5MHz	QPSK	1	0	17.23	17.34	18.68
			12	17.77	18.52	17.52
			24	17.47	17.42	17.57
		12	0	18.22	18.65	18.10
			6	17.89	16.50	19.17
			13	17.49	17.10	18.38
		25	0	17.18	18.23	17.18
	16QAM	1	0	17.43	18.28	17.59
			12	17.43	19.85	17.13
			24	18.37	18.96	18.38
		12	0	19.14	17.98	18.97
			6	17.50	18.19	17.60
			13	17.56	17.36	17.91
		25	0	17.00	19.08	19.98
Bandwidth	Modulation	RB size	RB offset	Channel		
				38750		
10MHz	QPSK	1	0	19.40		
			24	18.24		
			49	19.76		
		25	0	17.30		
			12	19.43		
			25	19.33		
		50	0	19.65		
	16QAM	1	0	19.24		
			24	18.91		
			49	18.15		
		25	0	19.77		
			12	19.23		
			25	19.93		
		50	0	18.90		

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Avg. Output Power of LTE Band 40(dBm) -Upper Side						
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				39175	39200	39225
5MHz	QPSK	1	0	19.77	18.89	18.94
			12	19.46	20.05	19.97
			24	19.97	18.85	20.30
		12	0	16.97	17.12	17.50
			6	16.92	17.58	17.15
			13	17.06	17.55	16.54
		25	0	17.22	17.28	16.62
	16QAM	1	0	19.33	18.49	19.44
			12	19.35	18.75	18.86
			24	18.70	18.27	19.21
		12	0	16.35	16.67	16.27
			6	17.00	17.23	16.73
			13	16.85	17.04	17.05
		25	0	18.16	16.87	16.67
Bandwidth	Modulation	RB size	RB offset	Channel		
				39200		
10MHz	QPSK	1	0	18.64		
			24	18.87		
			49	19.64		
		25	0	16.40		
			12	17.06		
			25	16.73		
		50	0	15.20		
	16QAM	1	0	18.23		
			24	18.01		
			49	17.61		
		25	0	16.07		
			12	16.91		
			25	15.85		
		50	0	14.31		

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Conducted Power of LTE Band 41(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					39675	40620	41565
5MHz	QPSK	1	0	0	19.70	19.75	20.31
			12	0	19.93	19.98	20.54
			24	0	19.69	19.74	20.28
		12	0	1	18.70	18.84	19.30
			6	1	18.78	18.92	19.33
			13	1	18.71	18.88	19.29
		25	0	1	18.68	18.89	19.28
	16QAM	1	0	1	18.99	18.89	19.29
			12	1	19.27	19.08	19.45
			24	1	19.03	18.88	19.27
		12	0	2	17.69	17.86	18.20
			6	2	17.78	17.93	18.23
			13	2	17.69	17.94	18.19
		25	0	2	17.78	17.92	18.27
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					39700	40620	41540
10MHz	QPSK	1	0	0	19.84	19.99	20.43
			24	0	19.93	20.01	20.47
			49	0	19.74	19.89	20.36
		25	0	1	18.79	18.92	19.37
			12	1	18.73	18.90	19.35
			25	1	18.80	18.94	19.33
		50	0	1	18.73	18.94	19.35
	16QAM	1	0	1	19.00	18.60	19.32
			24	1	19.02	18.59	19.27
			49	1	18.94	18.49	19.23
		25	0	2	17.90	18.00	18.36
			12	2	17.81	17.92	18.34
			25	2	17.89	17.97	18.32
		50	0	2	17.82	17.97	18.32

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Conducted Power of LTE Band 41(dBm)							
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					39725	40620	41515
15MHz	QPSK	1	0	0	19.82	20.08	20.36
			37	0	19.82	19.97	20.37
			74	0	19.65	19.89	20.20
		37	0	1	18.85	19.01	19.41
			19	1	18.86	19.04	19.42
			38	1	18.88	19.01	19.39
		75	0	1	18.82	19.04	19.44
	16QAM	1	0	1	18.93	18.75	19.29
			37	1	18.92	18.73	19.20
			74	1	18.84	18.63	19.14
		37	0	2	18.84	19.03	19.44
			19	2	17.86	17.90	18.41
			38	2	18.86	19.00	19.43
		75	0	2	17.88	18.05	18.35
Bandwidth	Modulation	RB size	RB offset	Target MPR	Channel	Channel	Channel
					39750	40620	41490
20MHz	QPSK	1	0	0	19.65	19.62	20.22
			49	0	20.03	20.10	20.48
			99	0	19.52	19.58	20.13
		50	0	1	18.74	18.87	19.32
			25	1	18.77	19.00	19.33
			50	1	18.77	18.87	19.28
		100	0	1	18.73	18.90	19.28
	16QAM	1	0	1	18.64	18.25	18.84
			49	1	18.93	18.99	19.42
			99	1	18.50	18.16	18.66
		50	0	2	17.81	17.93	18.24
			25	2	17.88	18.04	18.33
			50	2	17.84	17.98	18.26
		100	0	2	17.77	17.96	18.27

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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 6.6.3.3.11	28	5, 10	Table 5.4.2-1	N/A
		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	16.77
		06	2437	16.53
		11	2462	16.26
802.11g	6	01	2412	12.96
		06	2437	12.66
		11	2462	12.32
802.11n(20)	6.5	01	2412	12.89
		06	2437	12.50
		11	2462	12.20
802.11n(40)	13.5	03	2422	10.95
		06	2437	10.94
		09	2452	10.87

Bluetooth_BR/EDR

Modulation	Channel	Frequency(MHz)	Avg. Burst Power(dBm)
GFSK	0	2402	0.286
	39	2441	0.343
	78	2480	-0.249
π /4-DQPSK	0	2402	-0.052
	39	2441	-0.172
	78	2480	-0.008
8-DPSK	0	2402	-0.056
	39	2441	-0.117
	78	2480	-0.626

Bluetooth_BLE

Modulation	Channel	Frequency(MHz)	Avg. Burst Power(dBm)
GFSK_125Kbps	0	2402	-2.166
	19	2440	-2.039
	39	2480	-2.736
GFSK_500Kbps	0	2402	-2.069
	19	2440	-2.026
	39	2480	-2.826
GFSK_1Mbps	0	2402	-2.042
	19	2440	-2.078
	39	2480	-2.815
GFSK_2Mbps	1	2404	-1.986
	19	2440	-2.036
	38	2478	-2.807

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5GHz WIFI

Mode	channel	Frequency	Avg. Burst Power (dBm)							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	13.50	13.47	13.28	13.13	12.95	12.81	12.62	12.59
	40	5200	13.70	13.56	13.42	13.28	13.12	12.96	12.80	12.78
	48	5240	13.81	13.78	13.70	13.54	13.46	13.43	13.40	13.25
	52	5260	13.23	13.09	12.93	12.82	12.80	12.77	12.59	12.45
	60	5300	13.44	13.26	13.25	13.21	13.09	13.09	13.04	13.03
	64	5320	13.48	13.37	13.18	12.99	12.82	12.63	12.45	12.45
	100	5500	13.80	13.73	13.70	13.52	13.46	13.30	13.29	13.26
	116	5580	13.99	13.97	13.85	13.66	13.49	13.48	13.42	13.31
	140	5700	13.72	13.65	13.48	13.40	13.39	13.27	13.24	13.06
	149	5745	14.33	14.30	14.23	14.20	14.18	14.11	13.98	13.94
	157	5785	14.23	14.17	14.02	13.84	13.78	13.65	13.50	13.32
	165	5825	14.00	13.93	13.80	13.66	13.47	13.46	13.35	13.33
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (20)	36	5180	11.83	11.67	11.59	11.42	11.36	11.30	11.28	11.11
	40	5200	11.80	11.61	11.45	11.34	11.28	11.25	11.15	10.96
	48	5240	12.21	12.15	12.10	11.93	11.76	11.72	11.53	11.38
	52	5260	12.09	12.04	11.98	11.83	11.72	11.68	11.51	11.39
	60	5300	12.31	12.12	12.10	12.08	11.93	11.73	11.60	11.52
	64	5320	12.22	12.10	12.06	11.92	11.85	11.72	11.72	11.59
	100	5500	12.73	12.70	12.59	12.51	12.50	12.42	12.40	12.37
	116	5580	12.71	12.62	12.58	12.52	12.41	12.28	12.16	12.14
	140	5700	12.66	12.62	12.56	12.39	12.35	12.26	12.15	12.02
	149	5745	13.15	13.05	13.05	12.89	12.70	12.61	12.57	12.38
	157	5785	13.05	12.87	12.67	12.55	12.54	12.41	12.39	12.23
	165	5825	12.87	12.74	12.71	12.63	12.50	12.40	12.31	12.30
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (40)	38	5190	10.81	10.77	10.61	10.52	10.42	10.33	10.21	10.05
	46	5230	11.25	11.18	11.00	10.87	10.83	10.70	10.62	10.62
	54	5270	11.14	10.96	10.84	10.65	10.51	10.40	10.26	10.15
	62	5310	11.32	11.15	11.09	11.03	10.86	10.81	10.80	10.79
	102	5510	11.66	11.61	11.44	11.38	11.25	11.07	11.01	10.91
	110	5550	11.73	11.65	11.52	11.38	11.26	11.22	11.08	10.95
	134	5670	11.61	11.44	11.38	11.31	11.22	11.21	11.18	11.12
	151	5755	12.12	12.05	11.92	11.82	11.65	11.46	11.42	11.30
	159	5795	11.90	11.89	11.81	11.78	11.75	11.61	11.43	11.30

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Mode	channel	Frequency	Avg. Burst Power (dBm)							
			Data Rate(bps)							
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (20)	36	5180	11.77	11.71	11.65	11.50	11.41	11.28	11.21	11.15
	40	5200	11.82	11.76	11.59	11.45	11.44	11.43	11.32	11.24
	48	5240	12.27	12.22	12.16	12.14	11.96	11.90	11.75	11.55
	52	5260	12.04	11.89	11.75	11.56	11.47	11.35	11.23	11.19
	60	5300	12.32	12.25	12.24	12.05	11.86	11.78	11.60	11.41
	64	5320	12.22	12.06	12.00	11.82	11.81	11.75	11.70	11.67
	100	5500	12.74	12.72	12.72	12.55	12.47	12.37	12.32	12.25
	116	5580	12.69	12.62	12.60	12.57	12.38	12.24	12.21	12.07
	140	5700	12.40	12.29	12.26	12.20	12.01	11.85	11.85	11.73
	149	5745	13.02	12.90	12.83	12.67	12.62	12.54	12.41	12.21
	157	5785	13.06	12.92	12.83	12.83	12.82	12.74	12.73	12.72
	165	5825	12.32	12.31	12.29	12.27	12.14	11.94	11.86	11.70
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (40)	38	5190	10.83	10.80	10.66	10.48	10.47	10.30	10.15	10.15
	46	5230	11.16	11.04	10.89	10.75	10.60	10.52	10.51	10.43
	54	5270	11.07	10.91	10.90	10.85	10.74	10.55	10.35	10.24
	62	5310	11.24	11.14	11.12	10.99	10.92	10.75	10.75	10.68
	102	5510	11.61	11.49	11.45	11.34	11.21	11.17	11.04	10.90
	110	5550	11.75	11.69	11.55	11.53	11.44	11.38	11.35	11.21
	134	5670	11.29	11.26	11.08	10.96	10.82	10.78	10.60	10.58
	151	5755	11.53	11.46	11.34	11.20	11.03	10.87	10.67	10.61
	159	5795	11.27	11.10	10.91	10.86	10.80	10.69	10.58	10.41
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (80)	42	5210	11.10	11.08	10.93	10.86	10.71	10.69	10.64	10.54
	58	5290	11.35	11.28	11.23	11.08	10.99	10.94	10.78	10.75
	106	5530	11.53	11.45	11.27	11.21	11.19	11.09	10.98	10.95
	138	5690	11.75	11.64	11.44	11.34	11.15	11.14	11.04	10.94
	155	5775	11.50	11.34	11.24	11.21	11.01	10.91	10.86	10.67

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13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

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 248227 D01 v02r02 Chapter 5.3.4, SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. The initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, the procedures in 5.3.2 are applied to determine the test configuration. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.
 - (1) When SAR test exclusion provisions of KDB Publication 447498 D01 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
 - (2) When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

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7. Per KDB 941225 D06 V02r01, When the same wireless mode transmission configurations for voice and data are required for SAR measurements, the more conservative configuration with a smaller separation distance should be tested for the overlapping SAR configurations.
8. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:
$$\text{Maximum Scaling SAR} = \text{tested SAR (Max.)} \times [\text{maximum turn-up power (mW)} / \text{maximum measurement output power (mW)}]$$
9. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
10. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation using the RB offset and required test channel combination with highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
11. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
12. 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 1RB allocation and the highest reported SAR is $>1.45 \text{ W/kg}$, the remaining required test channels must also be tested.
13. 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 $\leq 1.45 \text{ W/kg}$, Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
14. 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 $\leq 1.45 \text{ W/kg}$. 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: Tablet										
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										
Body back	voice	190	836.6	-4.510	0.506	36.50	36.38	1.028	0.520	1.6
Body front	voice	190	836.6	-2.940	0.456	36.50	36.38	1.028	0.469	1.6
Body back	GPRS-4 slot	128	824.2	-4.050	1.093	35.50	35.30	1.047	1.145	1.6
Body back	GPRS-4 slot	190	836.6	-0.730	1.042	35.50	35.39	1.026	1.069	1.6
Body back	GPRS-4 slot	251	848.8	-4.240	1.107	35.50	35.35	1.035	1.146	1.6
Body front	GPRS-4 slot	128	824.2	-0.290	0.993	35.50	35.30	1.047	1.040	1.6
Body front	GPRS-4 slot	190	836.6	-1.300	0.954	35.50	35.39	1.026	0.978	1.6
Body front	GPRS-4 slot	251	848.8	-3.850	1.029	35.50	35.35	1.035	1.065	1.6
Edge 1 (Top)	GPRS-4 slot	190	836.6	-2.470	0.022	35.50	35.39	1.026	0.023	1.6
Edge 2(Right)	GPRS-4 slot	190	836.6	-4.780	0.267	35.50	35.39	1.026	0.274	1.6
Edge 3(Bottom)	GPRS-4 slot	190	836.6	-3.450	0.009	35.50	35.39	1.026	0.009	1.6
Edge 4(Left)	GPRS-4 slot	190	836.6	-2.720	0.011	35.50	35.39	1.026	0.011	1.6

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SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: Tablet										
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										
Body back	voice	512	1850.2	-1.580	0.916	29.50	28.87	1.156	1.059	1.6
Body back	voice	661	1880	2.510	0.886	29.50	28.97	1.130	1.001	1.6
Body back	voice	810	1909.8	-2.500	0.885	29.50	29.12	1.091	0.966	1.6
Body front	voice	661	1880.0	-2.160	0.455	29.50	28.97	1.130	0.514	1.6
Body back	GPRS-2 slot	512	1850.2	-1.870	1.196	28.10	27.87	1.054	1.261	1.6
Body back	GPRS-2 slot	661	1880	-3.020	1.170	28.10	27.90	1.047	1.225	1.6
Body back	GPRS-2 slot	810	1909.8	-4.470	1.144	28.10	28.02	1.019	1.165	1.6
Body front	GPRS-2 slot	661	1880.0	3.820	0.648	28.10	27.90	1.047	0.679	1.6
Edge 1 (Top)	GPRS-2 slot	661	1880.0	-4.770	0.065	28.10	27.90	1.047	0.068	1.6
Edge 2(Right)	GPRS-2 slot	661	1880.0	-3.430	0.279	28.10	27.90	1.047	0.292	1.6
Body back+Ear.	GPRS-2 slot	512	1850.2	-1.332	0.966	28.10	27.87	1.054	1.019	1.6
Body back+Ear.	GPRS-2 slot	661	1880	-2.613	0.921	28.10	27.90	1.047	0.964	1.6
Body back+Ear.	GPRS-2 slot	810	1909.8	-3.216	0.931	28.10	28.02	1.019	0.948	1.6

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SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: Tablet										
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)
Body back	RMC 12.2kbps	9262	1852.4	-2.430	1.187	22.95	22.91	1.009	1.198	1.6
Body back	RMC 12.2kbps	9400	1880	-1.120	1.189	22.95	22.94	1.002	1.192	1.6
Body back	RMC 12.2kbps	9538	1907.6	-3.580	1.191	22.95	22.94	1.002	1.194	1.6
Body front	RMC 12.2kbps	9400	1880	-1.060	0.574	22.95	22.94	1.002	0.575	1.6
Edge 1 (Top)	RMC 12.2kbps	9400	1880	-2.300	0.073	22.95	22.94	1.002	0.073	1.6
Edge 2(Right)	RMC 12.2kbps	9400	1880	-2.410	0.345	22.95	22.94	1.002	0.346	1.6

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SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: Tablet										
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)
Body back	RMC 12.2kbps	4132	826.4	-2.380	0.890	28.00	27.74	1.062	0.945	1.6
Body back	RMC 12.2kbps	4183	836.4	-3.810	0.891	28.00	27.66	1.081	0.964	1.6
Body back	RMC 12.2kbps	4233	846.6	3.090	0.903	28.00	27.72	1.067	0.963	1.6
Body front	RMC 12.2kbps	4183	836.4	0.270	0.649	28.00	27.66	1.081	0.702	1.6
Edge 1 (Top)	RMC 12.2kbps	4183	836.4	2.520	0.026	28.00	27.66	1.081	0.028	1.6
Edge 2(Right)	RMC 12.2kbps	4183	836.4	-2.550	0.359	28.00	27.66	1.081	0.388	1.6
Edge 3(Bottom)	RMC 12.2kbps	4183	836.4	3.820	0.010	28.00	27.66	1.081	0.011	1.6
Edge 4(Left)	RMC 12.2kbps	4183	836.4	-4.710	0.016	28.00	27.66	1.081	0.017	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Tablet													
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	Body back	1	0	18700	1860	-2.760	0.982	19.60	19.26	1.081	1.062	1.6
		Body back	1	0	18900	1880	-4.200	0.989	19.60	19.17	1.104	1.092	1.6
		Body back	1	0	19100	1900	-0.490	0.944	19.60	19.21	1.094	1.033	1.6
		Body front	1	0	18900	1880	-3.070	0.541	19.60	19.17	1.104	0.597	1.6
		Edge 1 (Top)	1	0	18900	1880	-4.880	0.090	19.60	19.17	1.104	0.099	1.6
		Edge 2(Right)	1	0	18900	1880	-4.160	0.284	19.60	19.17	1.104	0.314	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Tablet													
Test Mode: LTE Band 4													
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	Body back	1	0	20050	1720	-2.560	0.888	19.70	19.34	1.086	0.965	1.6
		Body back	1	0	20175	1732.5	-2.560	0.942	19.70	19.27	1.104	1.040	1.6
		Body back	1	0	20300	1745	-4.360	0.944	19.70	19.24	1.112	1.049	1.6
		Body front	1	0	20050	1720	-1.000	1.003	19.70	19.34	1.086	1.090	1.6
		Body front	1	0	20175	1732.5	3.000	1.008	19.70	19.27	1.104	1.113	1.6
		Body front	1	0	20300	1745	-4.770	1.017	19.70	19.24	1.112	1.131	1.6
		Edge 1 (Top)	1	0	20175	1732.5	-4.090	0.096	19.70	19.27	1.104	0.106	1.6
		Edge 2(Right)	1	0	20175	1732.5	3.080	0.332	19.70	19.27	1.104	0.367	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Tablet													
Test Mode: LTE Band 5													
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	Body back	1	0	20450	829	-0.820	0.820	23.00	22.39	1.151	0.944	1.6
		Body back	1	0	20525	836.5	1.650	0.754	23.00	22.37	1.156	0.872	1.6
		Body back	1	0	20600	844	-3.090	0.822	23.00	22.20	1.202	0.988	1.6
		Body front	1	0	20525	836.5	-1.600	0.545	23.00	22.37	1.156	0.630	1.6
		Edge 1 (Top)	1	0	20525	836.5	4.740	0.019	23.00	22.37	1.156	0.022	1.6
		Edge 2(Right)	1	0	20525	836.5	-3.720	0.334	23.00	22.37	1.156	0.386	1.6
		Edge 3(Bottom)	1	0	20525	836.5	-3.180	0.009	23.00	22.37	1.156	0.010	1.6
		Edge 4(Left)	1	0	20525	836.5	4.510	0.013	23.00	22.37	1.156	0.015	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Tablet													
Test Mode: LTE Band 7													
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									
20	QPSK	Body back	1	0	21100	2535	-4.310	0.483	19.00	18.90	1.023	0.494	1.6
		Body front	1	0	20850	2510	-2.140	1.101	19.00	18.97	1.007	1.109	1.6
		Body front	1	0	21100	2535	-0.560	1.168	19.00	18.90	1.023	1.195	1.6
		Body front	1	0	21350	2560	-3.580	1.190	19.00	18.90	1.023	1.218	1.6
		Edge 1 (Top)	1	0	21100	2535	-2.301	0.264	19.00	18.90	1.023	0.270	1.6
		Edge 2(Right)	1	0	20850	2510	-4.730	0.857	19.00	18.90	1.023	0.877	1.6
		Edge 2(Right)	1	0	21100	2535	-2.990	0.870	19.00	18.90	1.023	0.890	1.6
		Edge 2(Right)	1	0	21350	2560	-2.880	0.809	19.00	18.90	1.023	0.828	1.6
		Body front+Ear.	1	0	20850	2510	-2.360	0.987	19.00	18.97	1.007	0.994	1.6
		Body front+Ear.	1	0	21100	2535	-1.620	0.998	19.00	18.90	1.023	1.021	1.6
		Body front+Ear.	1	0	21350	2560	-1.920	1.062	19.00	18.90	1.023	1.087	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Tablet													
Test Mode: LTE Band 38													
BW 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									
20	QPSK	Body back	1	0	37850	2580	-1.800	1.073	20.10	19.59	1.125	1.207	1.6
		Body back	1	0	38000	2595	-0.530	1.096	20.10	19.52	1.143	1.253	1.6
		Body back	1	0	38150	2610	-2.170	1.097	20.10	19.73	1.089	1.195	1.6
		Body front	1	0	38000	2595	-2.980	0.629	20.10	19.52	1.143	0.719	1.6
		Edge 1 (Top)	1	0	38000	2595	-3.050	0.044	20.10	19.52	1.143	0.050	1.6
		Edge 2(Right)	1	0	38000	2595	-2.010	0.574	20.10	19.52	1.143	0.656	1.6
		Body back+Ear.	1	0	37850	2580	-1.761	0.892	20.10	19.59	1.125	1.003	1.6
		Body back+Ear.	1	0	38000	2595	-0.612	0.869	20.10	19.52	1.143	0.993	1.6
		Body back+Ear.	1	0	38150	2610	-1.369	0.903	20.10	19.73	1.089	0.983	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Tablet													
Test Mode: LTE Band 40-Lower Side													
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									
10	QPSK	Body back	1	0	38750	2310	-2.450	1.016	19.80	19.40	1.096	1.114	1.6
		Body front	1	0	38750	2310	-4.960	1.138	19.80	19.40	1.096	1.248	1.6
		Edge 1 (Top)	1	0	38750	2310	-3.210	0.361	19.80	19.40	1.096	0.396	1.6
		Edge 2(Right)	1	0	38750	2310	1.650	1.099	19.80	19.40	1.096	1.205	1.6
		Body front+Ear.	1	0	38750	2310	-3.110	0.962	19.80	19.40	1.096	1.055	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Tablet													
Test Mode: LTE Band 40- Upper Side													
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									
10	QPSK	Body back	1	0	39200	2355	0.980	0.656	19.70	18.64	1.276	0.837	1.6
		Body front	1	0	39200	2355	-2.370	0.842	19.70	18.64	1.276	1.075	1.6
		Edge 1 (Top)	1	0	39200	2355	-2.301	0.174	19.70	18.64	1.276	0.222	1.6
		Edge 2(Right)	1	0	39200	2355	-2.130	0.719	19.70	18.64	1.276	0.918	1.6

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SAR MEASUREMENT													
Depth of Liquid (cm):>15													
Product: Tablet													
Test Mode: LTE Band 41													
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	Body back	1	0	39750	2506	-1.640	0.861	20.60	19.65	1.245	1.072	1.6
		Body back	1	0	40620	2593	-1.500	0.939	20.60	19.62	1.253	1.177	1.6
		Body back	1	0	41490	2680	-2.660	0.984	20.60	20.22	1.091	1.074	1.6
		Body front	1	0	40620	2593	-3.820	0.740	20.60	19.62	1.253	0.927	1.6
		Edge 1 (Top)	1	0	40620	2593	-3.105	0.098	20.60	19.62	1.253	0.123	1.6
		Edge 2(Right)	1	0	40620	2593	-2.240	0.540	20.60	19.62	1.253	0.677	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 0mm of all above table

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SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: Tablet										
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)
Body back	DTS	01	2412	-1.250	0.274	16.80	16.77	1.007	0.276	1.6
Body back	DTS	06	2437	2.970	0.263	16.80	16.53	1.064	0.280	1.6
Body back	DTS	11	2462	-2.010	0.276	16.80	16.26	1.132	0.313	1.6
Body front	DTS	06	2437	-3.620	0.098	16.80	16.53	1.064	0.104	1.6
Edge 1 (Top)	DTS	06	2437	3.530	0.073	16.80	16.53	1.064	0.078	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 0mm of all above table.

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SAR MEASUREMENT									
Depth of Liquid (cm):>15									
Product: Tablet									
Test Mode: 5.2GHz WIFI-802.11a									
Position	Ch.	Fr. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. Output Power (dBm)	Tune-up Scaling factor	Scaled SAR (W/kg)	Limit (W/kg)
Body back	36	5180	-1.380	0.187	13.90	13.50	1.096	0.205	1.6
Body back	40	5200	1.760	0.213	13.90	13.70	1.047	0.223	1.6
Body back	48	5240	-3.840	0.240	13.90	13.81	1.021	0.245	1.6
Body front	40	5200	-4.730	0.079	13.90	13.70	1.047	0.083	1.6
Edge 1 (Top)	40	5200	-1.090	0.093	13.90	13.70	1.047	0.097	1.6

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SAR MEASUREMENT									
Depth of Liquid (cm):>15									
Product: Tablet									
Test Mode: 5.3GHz WIFI-802.11a									
Position	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)
Body back	52	5260	-1.750	0.263	13.50	13.23	1.064	0.280	1.6
Body back	60	5300	-2.600	0.242	13.50	13.44	1.014	0.245	1.6
Body back	64	5320	-1.670	0.262	13.50	13.48	1.005	0.263	1.6
Body front	60	5300	-2.820	0.069	13.50	13.44	1.014	0.070	1.6
Edge 1 (Top)	60	5300	-3.740	0.095	13.50	13.44	1.014	0.096	1.6

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SAR MEASUREMENT									
Depth of Liquid (cm):>15									
Product: Tablet									
Test Mode: 5.6GHzWIFI- 802.11a									
Position	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)
Body back	100	5500	-4.670	0.310	14.00	13.80	1.047	0.325	1.6
Body back	116	5580	-3.870	0.313	14.00	13.99	1.002	0.314	1.6
Body back	140	5700	1.430	0.315	14.00	13.72	1.067	0.336	1.6
Body front	116	5580	-2.050	0.081	14.00	13.99	1.002	0.081	1.6
Edge 1 (Top)	116	5580	3.000	0.091	14.00	13.99	1.002	0.091	1.6

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SAR MEASUREMENT									
Depth of Liquid (cm):>15									
Product: Tablet									
Test Mode: 5.8GHz WIFI-802.11a									
Position	Ch.	Fr. (MHz)	Power Drift (<±5%)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. Output Power (dBm)	Tune-up Scaling factor	Scaled SAR (W/kg)	Limit (W/kg)
Body back	149	5745	-2.600	0.284	14.40	14.33	1.016	0.289	1.6
Body back	157	5785	-2.700	0.291	14.40	14.23	1.040	0.303	1.6
Body back	165	5825	-2.490	0.290	14.40	14.00	1.096	0.318	1.6
Body front	157	5785	-3.430	0.120	14.40	14.23	1.040	0.125	1.6
Edge 1 (Top)	157	5785	1.130	0.102	14.40	14.23	1.040	0.106	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- The test separation for body back, body front and 4 Edges is 0mm of all above table

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Repeated SAR											
Product: Tablet											
Test Mode: GSM850& PCS1900& WCDMA Band II & WCDMA Band V & LTE Band 2& LTE Band 4<E Band 5& LTE Band 38& LTE Band 40-Lower Side& LTE Band 40- Upper Side											
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 front	GPRS-4 slot		251	848.8	-4.320	1.091	--	--	--	--	1.6
Body back	GPRS-2 slot		512	1850.2	-3.660	1.152	--	--	--	--	1.6
Body back	RMC 12.2kbps		9538	1907.6	-2.850	1.188	--	--	--	--	1.6
Body back	RMC 12.2kbps		4233	846.6	-4.520	0.901	--	--	--	--	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	-3.420	0.946	--	--	--	--	1.6
Body front	1	0	20300	1745	-3.830	1.013	--	--	--	--	1.6
Body back	1	0	20600	844	-3.300	0.821	--	--	--	--	1.6
Body front	1	0	21350	2560	-3.480	1.185	--	--	--	--	1.6
Body back	1	0	38150	2610	-4.990	1.091	--	--	--	--	1.6
Body front	1	0	38750	2310	-1.170	1.046	--	--	--	--	1.6
Body front	1	0	39200	2355	-2.220	0.851	--	--	--	--	1.6
Body back	1	0	41490	2680	2.130	0.981	--	--	--	--	1.6

The second repeated SAR judge reference									
Product: Tablet									
Band	Position	Mode		Ch.	Fr. (MHz)	Original SAR (1g) (W/kg)	First SAR (1g) (W/kg)	Ratio	Limit
GSM850	Body front	GPRS-4 slot		251	848.8	1.107	1.091	1.015	<1.2
PCS1900	Body back	GPRS-2 slot		512	1850.2	1.196	1.152	1.038	<1.2
WCDMA Band II	Body back	RMC 12.2kbps		9538	1907.6	1.191	1.188	1.003	<1.2
WCDMA Band V	Body back	RMC 12.2kbps		4233	846.6	0.903	0.901	1.002	<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	0.989	0.946	1.045	<1.2
LTE Band 4	Body front	1	0	20300	1745	1.017	1.013	1.004	<1.2
LTE Band 5	Body back	1	0	20600	844	0.822	0.821	1.001	<1.2
LTE Band 7	Body front	1	0	21350	2560	1.190	1.185	1.004	<1.2
LTE Band 38	Body back	1	0	38150	2610	1.097	1.091	1.005	<1.2
LTE Band 40-Lower Side	Body front	1	0	38750	2310	1.138	1.046	1.088	<1.2
LTE Band 40- Upper Side	Body front	1	0	39200	2355	0.842	0.851	1.011	<1.2
LTE Band 41	Body back	1	0	41490	2680	0.984	0.981	1.003	<1.2

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

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

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})/x}] \text{ W/kg for test separation distances } \leq 50 \text{ mm;}$$
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	Body	0.5	1.122	0	0.047

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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		
Body-worn (voice)	Rear	0.520	0.313		0.833	No
		0.520		0.047	0.567	No
	Front	0.469	0.104		0.573	No
		0.469		0.047	0.516	No
Body-worn (Data)	Rear	1.146		0.047	1.193	No
		1.146	0.313		1.459	No
	Front	1.065		0.047	1.112	No
		1.065	0.104		1.169	No
Body-worn (Hotspot)	Edge 1	0.023	0.078		0.101	No
	Edge 1	0.023		0.047	0.070	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn (voice)	Rear	0.520	0.245		0.765	No
		0.520		0.280	0.800	No
	Front	0.469	0.083		0.552	No
		0.469		0.070	0.539	No
Body-worn (Data)	Rear	1.146		0.280	1.426	No
		1.146	0.245		1.391	No
	Front	1.065		0.070	1.135	No
		1.065	0.083		1.148	No
Body-worn (Hotspot)	Edge 1	0.023	0.097		0.120	No
	Edge 1	0.023		0.096	0.119	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		GSM 850	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn (voice)	Rear	0.520	0.336		0.856	No
		0.520		0.318	0.838	No
	Front	0.469	0.081		0.550	No
		0.469		0.125	0.594	No
Body-worn (Data)	Rear	1.146		0.318	1.464	No
		1.146	0.336		1.482	No
	Front	1.065		0.125	1.190	No
		1.065	0.081		1.146	No
Body-worn (Hotspot)	Edge 1	0.023	0.091		0.114	No
	Edge 1	0.023		0.106	0.129	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		
Body-worn (voice)	Rear	1.059	0.313		1.372	No
		1.059		0.047	1.106	No
	Front	0.514	0.104		0.618	No
		0.514		0.047	0.561	No
Body-worn (Data)	Rear	1.261		0.047	1.308	No
		1.261	0.313		1.574	No
	Front	0.679		0.047	0.726	No
		0.679	0.104		0.783	No
Body-worn (Hotspot)	Edge 1	0.068	0.078		0.146	No
	Edge 1	0.068		0.047	0.115	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn (voice)	Rear	1.059	0.245		1.304	No
		1.059		0.280	1.339	No
	Front	0.514	0.083		0.597	No
		0.514		0.070	0.584	No
Body-worn (Data)	Rear	1.261		0.280	1.541	No
		1.261	0.245		1.506	No
	Front	0.679		0.070	0.749	No
		0.679	0.083		0.762	No
Body-worn (Hotspot)	Edge 1	0.068	0.097		0.165	No
	Edge 1	0.068		0.096	0.164	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		PCS 1900	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn (voice)	Rear	1.059	0.336		1.395	No
		1.059		0.318	1.377	No
	Front	0.514	0.081		0.595	No
		0.514		0.125	0.639	No
Body-worn (Data)	Rear	1.261		0.318	1.579	No
		1.261	0.336		1.597	No
	Front	0.679		0.125	0.804	No
		0.679	0.081		0.760	No
Body-worn (Hotspot)	Edge 1	0.068	0.091		0.159	No
	Edge 1	0.068		0.106	0.174	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		
Body-worn	Rear	1.198	0.313		1.511	No
	Front	0.575	0.104		0.679	No
	Edge 1	0.073	0.078		0.151	No
	Rear	1.198		0.047	1.245	No
	Front	0.575		0.047	0.622	No
	Edge 1	0.073		0.047	0.120	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn	Rear	1.198	0.245		1.443	No
	Front	0.575	0.083		0.658	No
	Edge 1	0.073	0.097		0.170	No
	Rear	1.198		0.280	1.478	No
	Front	0.575		0.070	0.645	No
	Edge 1	0.073		0.096	0.169	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band II	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn	Rear	1.198	0.336		1.534	No
	Front	0.575	0.081		0.656	No
	Edge 1	0.073	0.091		0.164	No
	Rear	1.198		0.318	1.516	No
	Front	0.575		0.125	0.700	No
	Edge 1	0.073		0.106	0.179	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 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		
Body-worn	Rear	0.964	0.313		1.277	No
	Front	0.702	0.104		0.806	No
	Edge 1	0.028	0.078		0.106	No
	Rear	0.964		0.047	1.011	No
	Front	0.702		0.047	0.749	No
	Edge 1	0.028		0.047	0.075	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn	Rear	0.964	0.245		1.209	No
	Front	0.702	0.083		0.785	No
	Edge 1	0.028	0.097		0.125	No
	Rear	0.964		0.280	1.244	No
	Front	0.702		0.070	0.772	No
	Edge 1	0.028		0.096	0.124	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		WCDMA Band V	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn	Rear	0.964	0.336		1.300	No
	Front	0.702	0.081		0.783	No
	Edge 1	0.028	0.091		0.119	No
	Rear	0.964		0.318	1.282	No
	Front	0.702		0.125	0.827	No
	Edge 1	0.028		0.106	0.134	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 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		
Body-worn	Rear	1.092	0.313		1.405	No
	Front	0.597	0.104		0.701	No
	Edge 1	0.099	0.078		0.177	No
	Rear	1.092		0.047	1.139	No
	Front	0.597		0.047	0.644	No
	Edge 1	0.099		0.047	0.146	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn	Rear	1.092	0.245		1.337	No
	Front	0.597	0.083		0.680	No
	Edge 1	0.099	0.097		0.196	No
	Rear	1.092		0.280	1.372	No
	Front	0.597		0.070	0.667	No
	Edge 1	0.099		0.096	0.195	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 2	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn	Rear	1.092	0.336		1.428	No
	Front	0.597	0.081		0.678	No
	Edge 1	0.099	0.091		0.190	No
	Rear	1.092		0.318	1.410	No
	Front	0.597		0.125	0.722	No
	Edge 1	0.099		0.106	0.205	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		
Body-worn	Rear	1.049	0.313		1.362	No
	Front	1.131	0.104		1.235	No
	Edge 1	0.106	0.078		0.184	No
	Rear	1.049		0.047	1.096	No
	Front	1.131		0.047	1.178	No
	Edge 1	0.106		0.047	0.153	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn	Rear	1.049	0.245		1.294	No
	Front	1.131	0.083		1.214	No
	Edge 1	0.106	0.097		0.203	No
	Rear	1.049		0.280	1.329	No
	Front	1.131		0.070	1.201	No
	Edge 1	0.106		0.096	0.202	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 4	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn	Rear	1.049	0.336		1.385	No
	Front	1.131	0.081		1.212	No
	Edge 1	0.106	0.091		0.197	No
	Rear	1.049		0.318	1.367	No
	Front	1.131		0.125	1.256	No
	Edge 1	0.106		0.106	0.212	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 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		
Body-worn	Rear	0.988	0.313		1.301	No
	Front	0.630	0.104		0.734	No
	Edge 1	0.022	0.078		0.100	No
	Rear	0.988		0.047	1.035	No
	Front	0.630		0.047	0.677	No
	Edge 1	0.022		0.047	0.069	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn	Rear	0.988	0.245		1.233	No
	Front	0.630	0.083		0.713	No
	Edge 1	0.022	0.097		0.119	No
	Rear	0.988		0.280	1.268	No
	Front	0.630		0.070	0.700	No
	Edge 1	0.022		0.096	0.118	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 5	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn	Rear	0.988	0.336		1.324	No
	Front	0.630	0.081		0.711	No
	Edge 1	0.022	0.091		0.113	No
	Rear	0.988		0.318	1.306	No
	Front	0.630		0.125	0.755	No
	Edge 1	0.022		0.106	0.128	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 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		
Body-worn	Rear	0.494	0.313		0.807	No
	Front	1.218	0.104		1.322	No
	Edge 1	0.270	0.078		0.348	No
	Rear	0.494		0.047	0.541	No
	Front	1.218		0.047	1.265	No
	Edge 1	0.270		0.047	0.317	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn	Rear	0.494	0.245		0.739	No
	Front	1.218	0.083		1.301	No
	Edge 1	0.270	0.097		0.367	No
	Rear	0.494		0.280	0.774	No
	Front	1.218		0.070	1.288	No
	Edge 1	0.270		0.096	0.366	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 7	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn	Rear	0.494	0.336		0.830	No
	Front	1.218	0.081		1.299	No
	Edge 1	0.270	0.091		0.361	No
	Rear	0.494		0.318	0.812	No
	Front	1.218		0.125	1.343	No
	Edge 1	0.270		0.106	0.376	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 38 & Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	1.253	0.313		1.566	No
	Front	0.719	0.104		0.823	No
	Edge 1	0.050	0.078		0.128	No
	Rear	1.253		0.047	1.300	No
	Front	0.719		0.047	0.766	No
	Edge 1	0.050		0.047	0.097	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn	Rear	1.253	0.245		1.498	No
	Front	0.719	0.083		0.802	No
	Edge 1	0.050	0.097		0.147	No
	Rear	1.253		0.280	1.533	No
	Front	0.719		0.070	0.789	No
	Edge 1	0.050		0.096	0.146	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 38	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn	Rear	1.253	0.336		1.589	No
	Front	0.719	0.081		0.800	No
	Edge 1	0.050	0.091		0.141	No
	Rear	1.253		0.318	1.571	No
	Front	0.719		0.125	0.844	No
	Edge 1	0.050		0.106	0.156	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 40-Lower Side & Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Lower Side	Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	1.114	0.313		1.427	No
	Front	1.248	0.104		1.352	No
	Edge 1	0.396	0.078		0.474	No
	Rear	1.114		0.047	1.161	No
	Front	1.248		0.047	1.295	No
	Edge 1	0.396		0.047	0.443	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Lower Side	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn	Rear	1.114	0.245		1.359	No
	Front	1.248	0.083		1.331	No
	Edge 1	0.396	0.097		0.493	No
	Rear	1.114		0.280	1.394	No
	Front	1.248		0.070	1.318	No
	Edge 1	0.396		0.096	0.492	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Lower Side	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn	Rear	1.114	0.336		1.450	No
	Front	1.248	0.081		1.329	No
	Edge 1	0.396	0.091		0.487	No
	Rear	1.114		0.318	1.432	No
	Front	1.248		0.125	1.373	No
	Edge 1	0.396		0.106	0.502	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 40-Upper Side & Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.837	0.313		1.150	No
	Front	1.075	0.104		1.179	No
	Edge 1	0.222	0.078		0.300	No
	Rear	0.837		0.047	0.884	No
	Front	1.075		0.047	1.122	No
	Edge 1	0.222		0.047	0.269	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn	Rear	0.837	0.245		1.082	No
	Front	1.075	0.083		1.158	No
	Edge 1	0.222	0.097		0.319	No
	Rear	0.837		0.280	1.117	No
	Front	1.075		0.070	1.145	No
	Edge 1	0.222		0.096	0.318	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 40-Upper Side	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn	Rear	0.837	0.336		1.173	No
	Front	1.075	0.081		1.156	No
	Edge 1	0.222	0.091		0.313	No
	Rear	0.837		0.318	1.155	No
	Front	1.075		0.125	1.200	No
	Edge 1	0.222		0.106	0.328	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 41 & Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	1.177	0.313		1.490	No
	Front	0.927	0.104		1.031	No
	Edge 1	0.123	0.078		0.201	No
	Rear	1.177		0.047	1.224	No
	Front	0.927		0.047	0.974	No
	Edge 1	0.123		0.047	0.170	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	5.2GHz Wi-Fi Band	5.3GHz Wi-Fi Band		
Body-worn	Rear	1.177	0.245		1.422	No
	Front	0.927	0.083		1.010	No
	Edge 1	0.123	0.097		0.220	No
	Rear	1.177		0.280	1.457	No
	Front	0.927		0.070	0.997	No
	Edge 1	0.123		0.096	0.219	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario			Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		LTE Band 41	5.6GHz Wi-Fi Band	5.8GHz Wi-Fi Band		
Body-worn	Rear	1.177	0.336		1.513	No
	Front	0.927	0.081		1.008	No
	Edge 1	0.123	0.091		0.214	No
	Rear	1.177		0.318	1.495	No
	Front	0.927		0.125	1.052	No
	Edge 1	0.123		0.106	0.229	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: Dec. 19, 2025

System Check Head 835 MHz

DUT: Dipole 835 MHz Type: SID 835

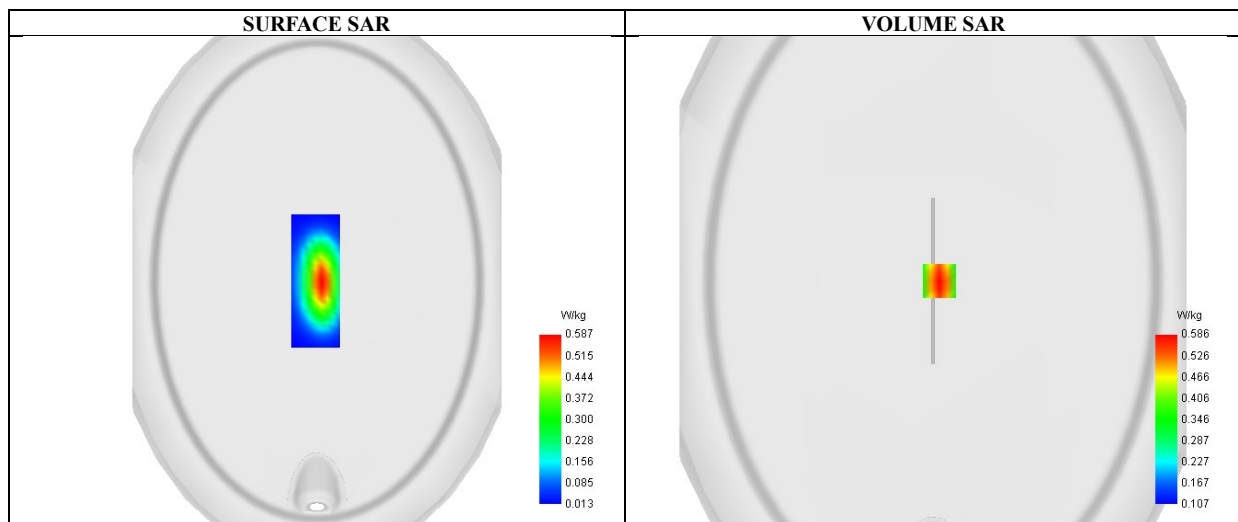
Communication System CW; Communication System Band: D835 (835.0 MHz); Duty Cycle: 1:1; Conv.F=2.23
Frequency: 835 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 41.27$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 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: 0.75 W/kg

SAR 10g (W/Kg)	0.395
SAR 1g (W/Kg)	0.559
Variation (%)	-1.820
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	73.894171

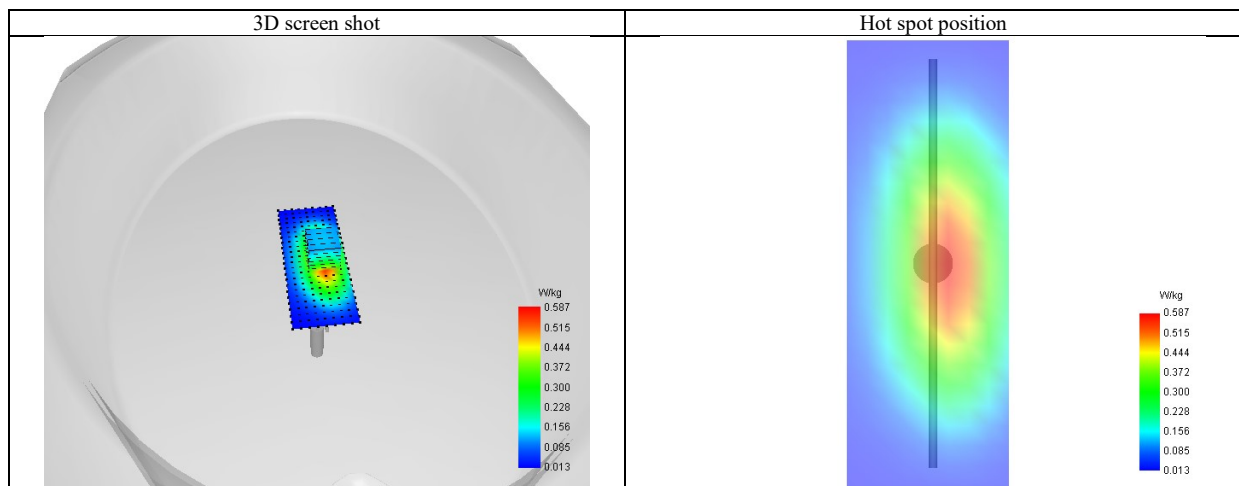
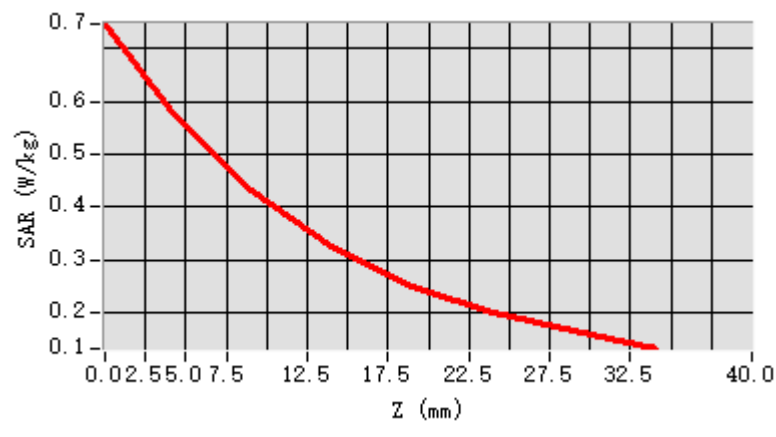
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.746	0.586	0.433	0.327	0.251	0.202	0.166



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Test Laboratory: AGC Lab
System Check Head 1750MHz

Date: Dec. 24, 2025

DUT: Dipole 1800 MHz; Type: SID 1800

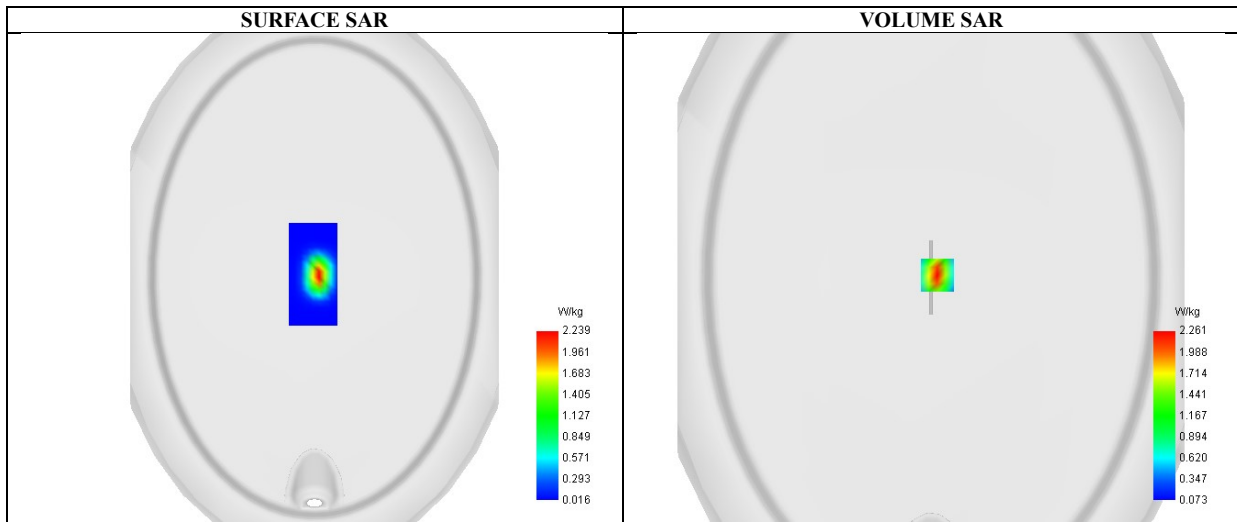
Communication System: CW; Communication System Band: D1700 (1750.0 MHz); Duty Cycle:1:1; Conv.F=2.33
Frequency: 1750 MHz; Medium parameters used: $f = 1750\text{MHz}$; $\sigma = 1.37 \text{ mho/m}$; $\epsilon_r = 39.62$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/System Check 1750MHz Head/Area Scan: Measurement grid: $dx=8\text{mm}, dy=8\text{mm}$

Configuration/System Check 1750MHz Head/Zoom Scan: Measurement grid: $dx=8\text{mm}, dy=8\text{mm}, dz=5\text{mm}$



Maximum location: $X=6.00, Y=2.00$; SAR Peak: 3.44 W/kg

SAR 10g (W/Kg)	1.131
SAR 1g (W/Kg)	2.189
Variation (%)	-1.900
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	57.971366

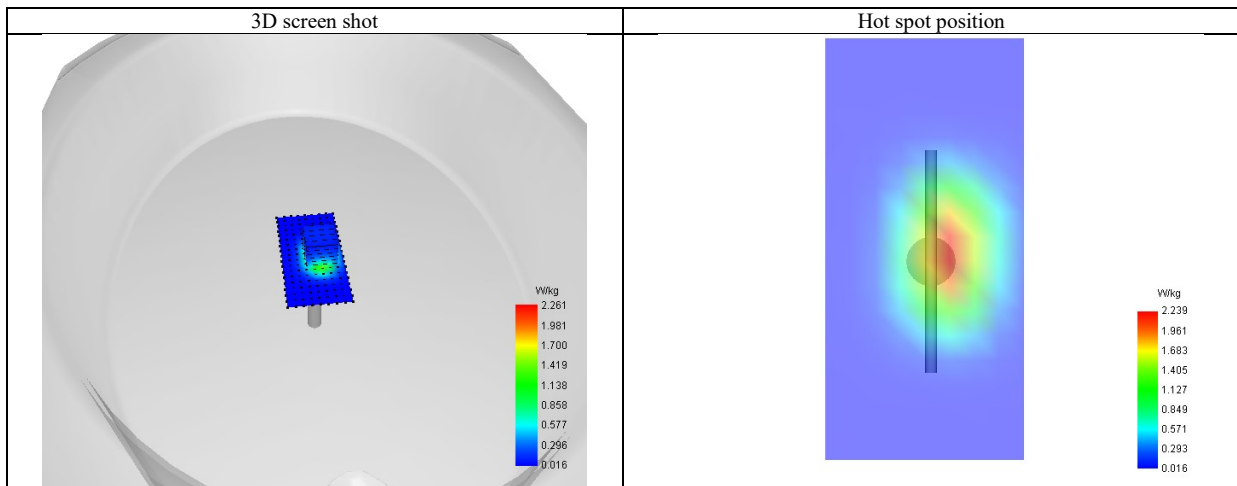
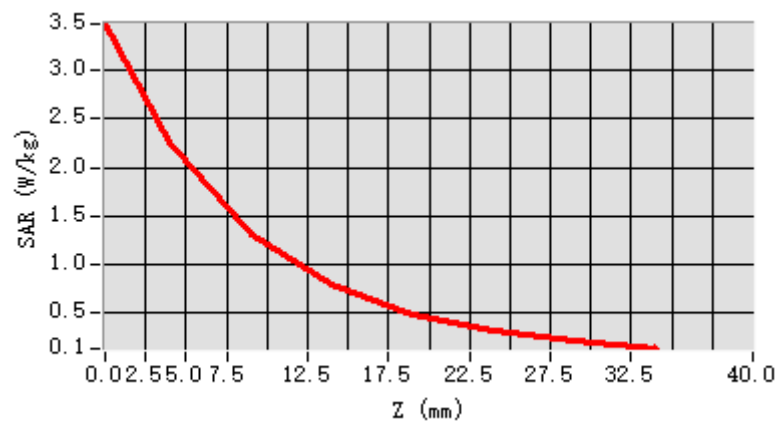
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	3.470	2.261	1.311	0.800	0.496	0.322	0.211



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Test Laboratory: AGC Lab
System Check Head 1900MHz

Date: Dec. 23, 2025

DUT: Dipole 1900 MHz; Type: SID 1900

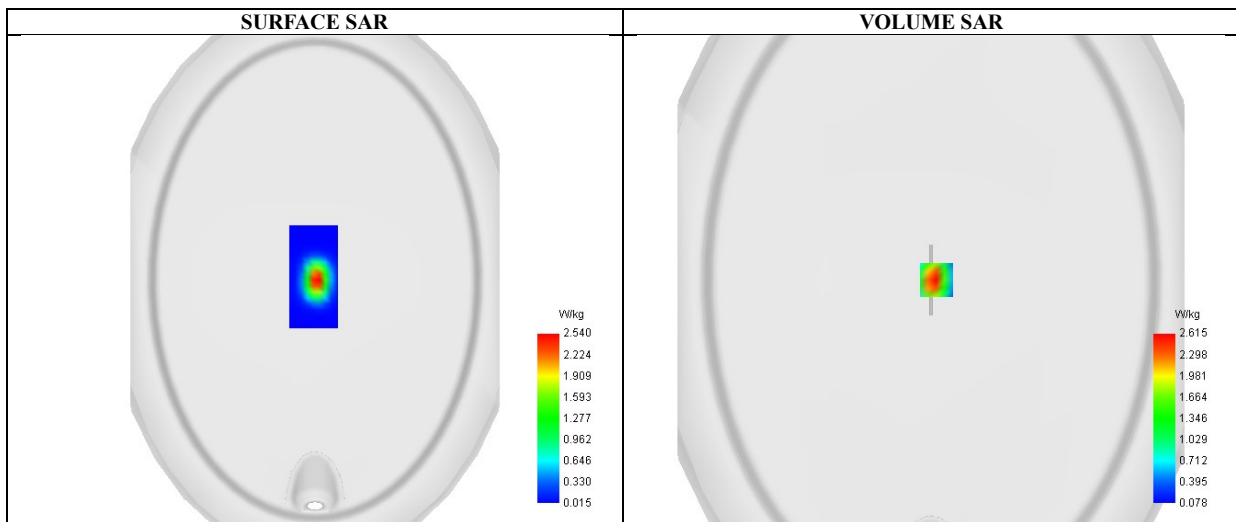
Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Duty Cycle:1:1; Conv.F=2.25
Frequency: 1900 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 39.18$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 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=0.00 ; SAR Peak: 4.09 W/kg

SAR 10g (W/Kg)	1.342
SAR 1g (W/Kg)	2.513
Variation (%)	-1.020
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	58.381247

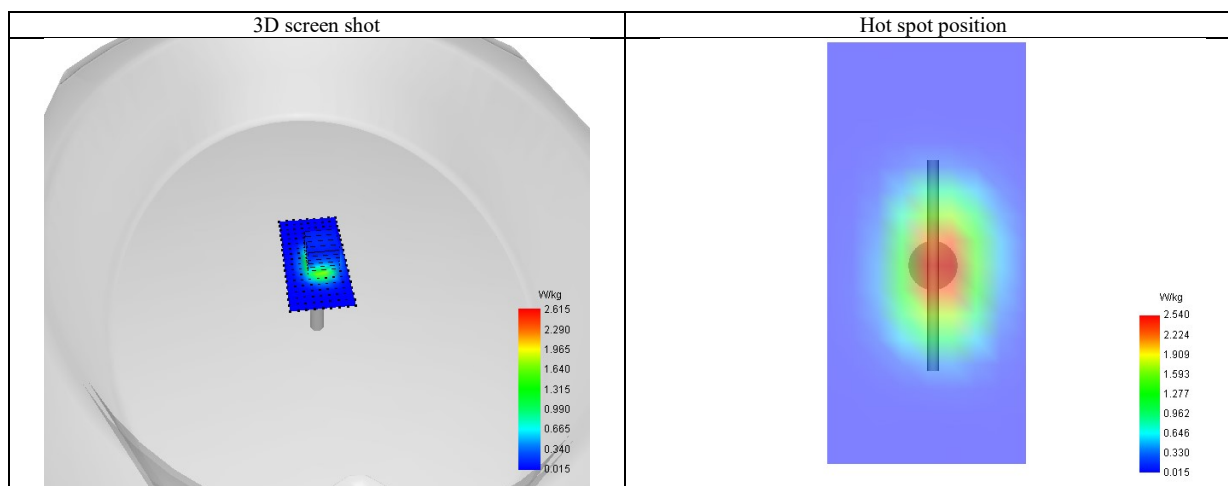
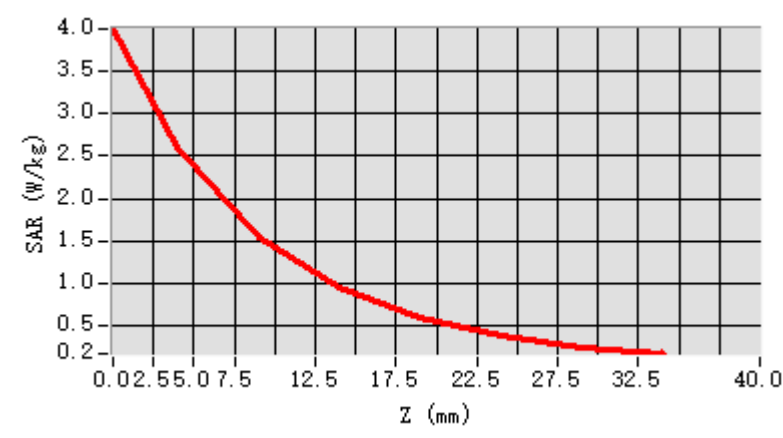
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	4.004	2.615	1.527	0.938	0.587	0.373	0.242



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Test Laboratory: AGC Lab
System Check Head 2300 MHz

Date: Dec. 20, 2025

DUT: Dipole 2300 MHz Type: SID 2300

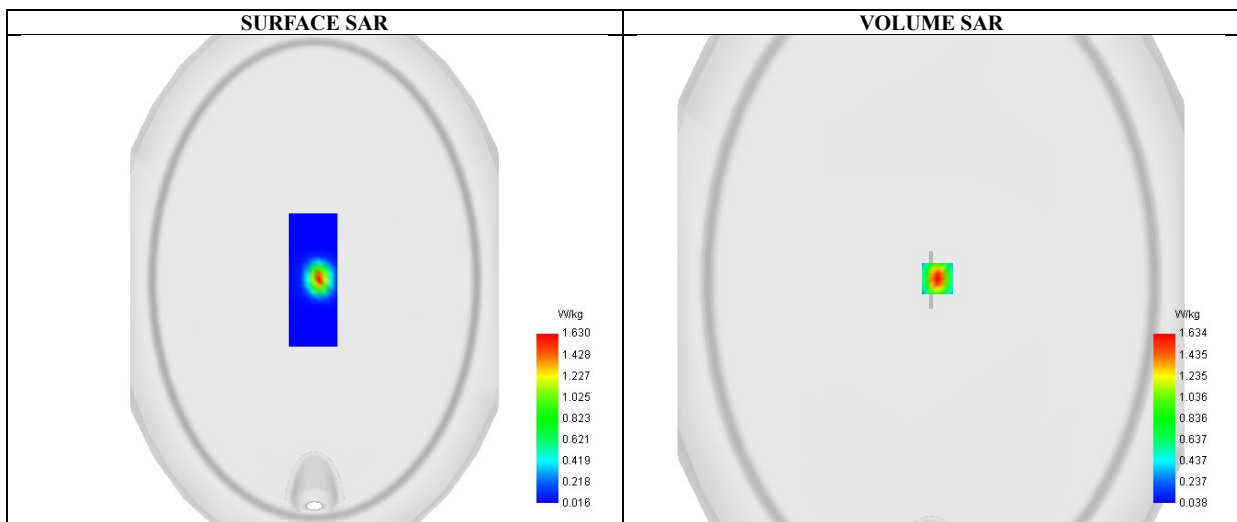
Communication System CW; Communication System Band: D2300 (2300.0 MHz); Duty Cycle: 1:1; Conv.F=2.37
Frequency: 2300 MHz; Medium parameters used: $f = 2300$ MHz; $\sigma = 1.62$ mho/m; $\epsilon_r = 38.81$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=15dBm

SATIMO Configuration

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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

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



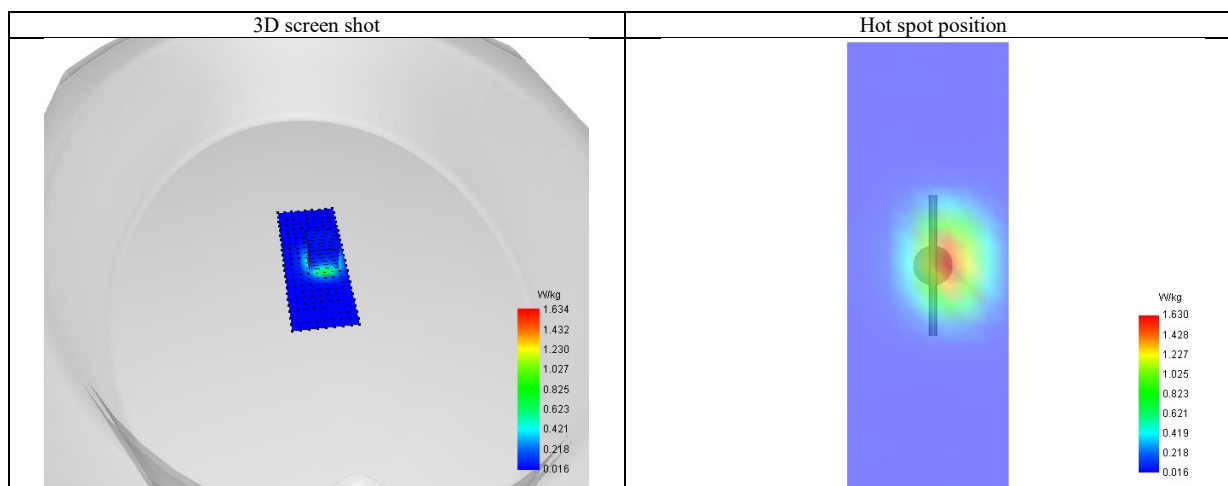
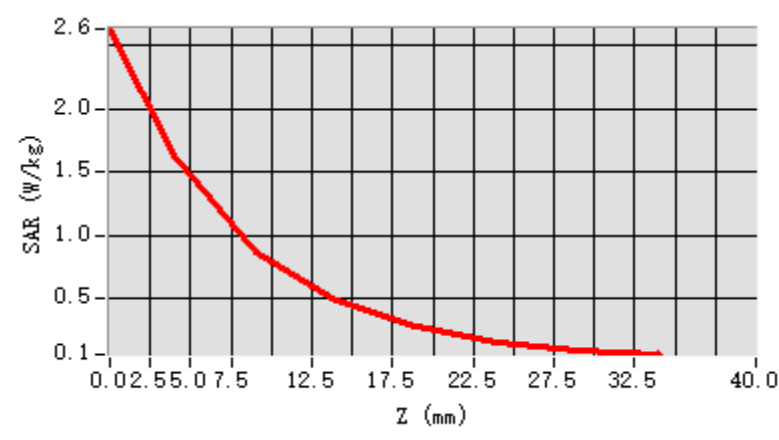
Maximum location: X=6.00, Y=1.00 ; SAR Peak: 2.60 W/kg

SAR 10g (W/Kg)	0.747
SAR 1g (W/Kg)	1.502
Variation (%)	-1.880
Horizontal validation criteria: minimum distance (mm)	14.142136
Vertical validation criteria: SAR ratio M2/M1 (%)	53.763722

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.630	1.634	0.879	0.485	0.278	0.163	0.096



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Test Laboratory: AGC Lab
System Check Head 2450 MHz

Date: Dec. 22, 2025

DUT: Dipole 2450 MHz Type: SID 2450

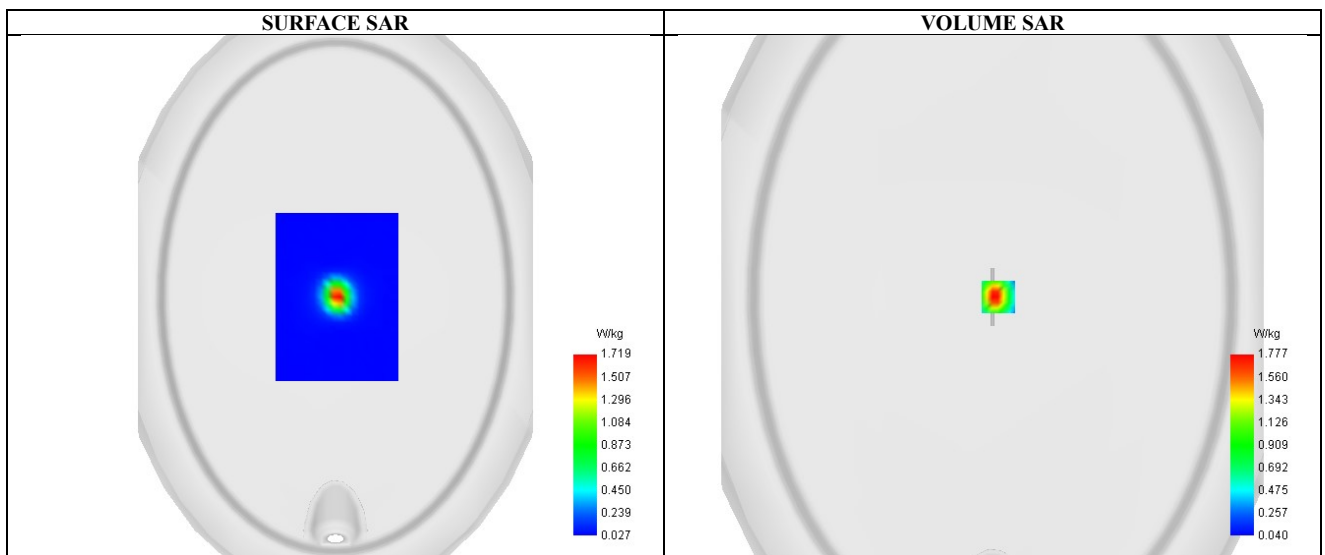
Communication System CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1; Conv.F=2.29
Frequency: 2450 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.78$ mho/m; $\epsilon_r = 38.89$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=15dBm

SATIMO Configuration

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 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=5.00, Y=0.00 ; SAR Peak: 3.17 W/kg

SAR 10g (W/Kg)	0.768
SAR 1g (W/Kg)	1.694
Variation (%)	-2.480
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	45.758922

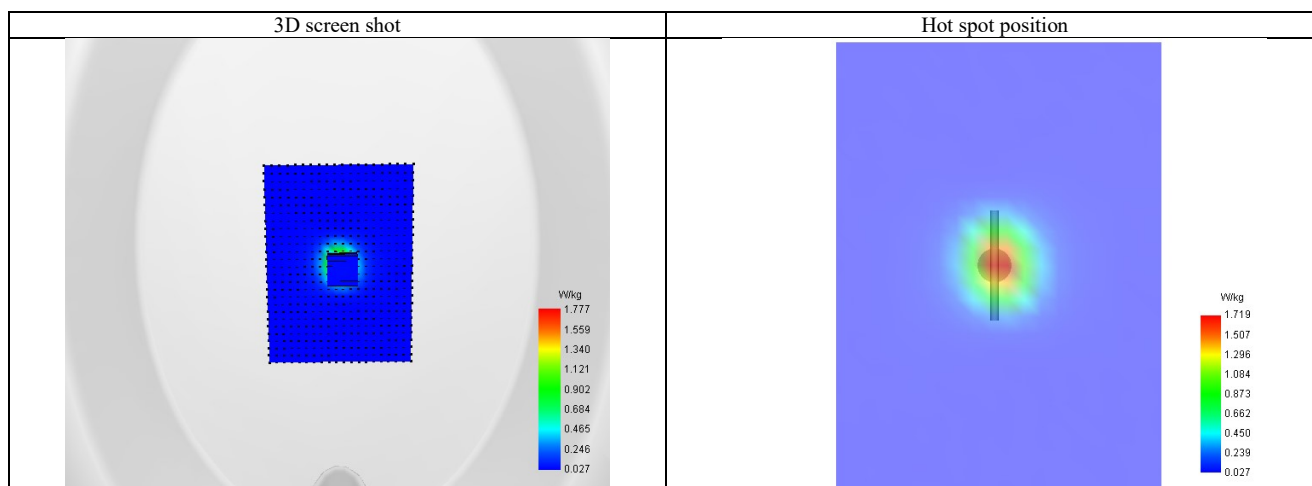
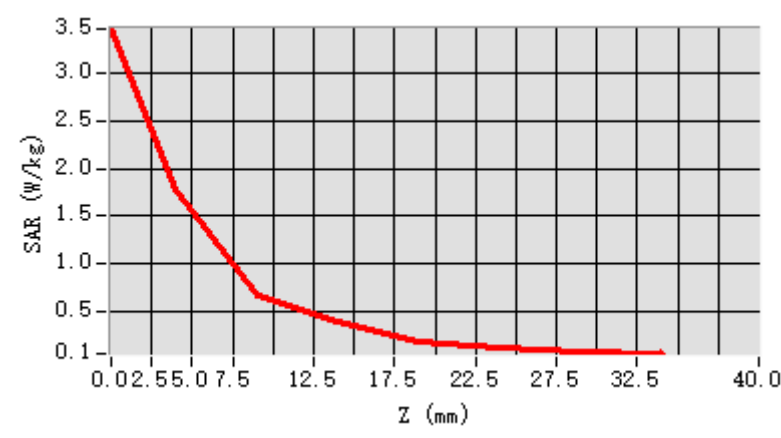
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	3.466	1.777	0.671	0.394	0.181	0.113	0.071



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Test Laboratory: AGC Lab
System Check Head 2600MHz

Date: Dec. 21, 2025

DUT: Dipole 2600 MHz; Type: SID 2600

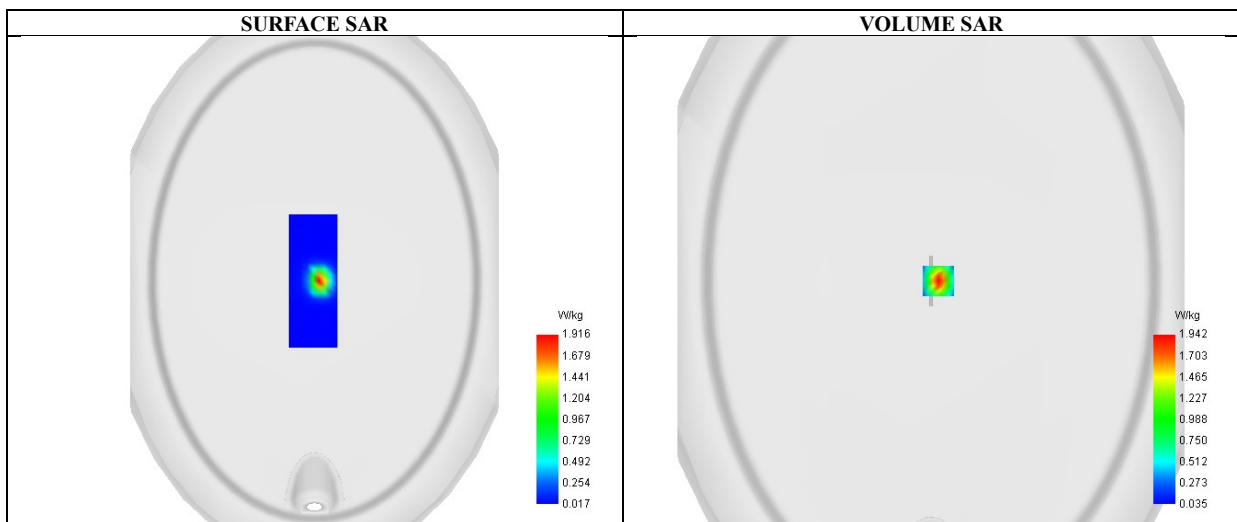
Communication System: CW; Communication System Band: D2600 (2600.0 MHz); Duty Cycle: 1:1; Conv.F=2.19
Frequency:2600 MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 38.77$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=15dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 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=7.00, Y=0.00 ; SAR Peak: 3.28 W/kg

SAR 10g (W/Kg)	0.794
SAR 1g (W/Kg)	1.768
Variation (%)	1.780
Horizontal validation criteria: minimum distance (mm)	10.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	48.336588

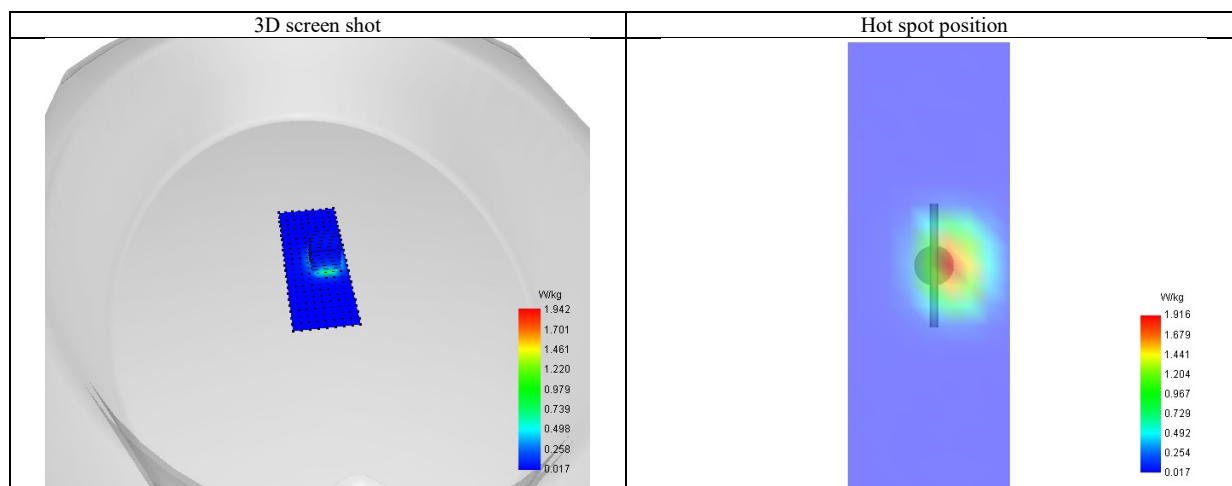
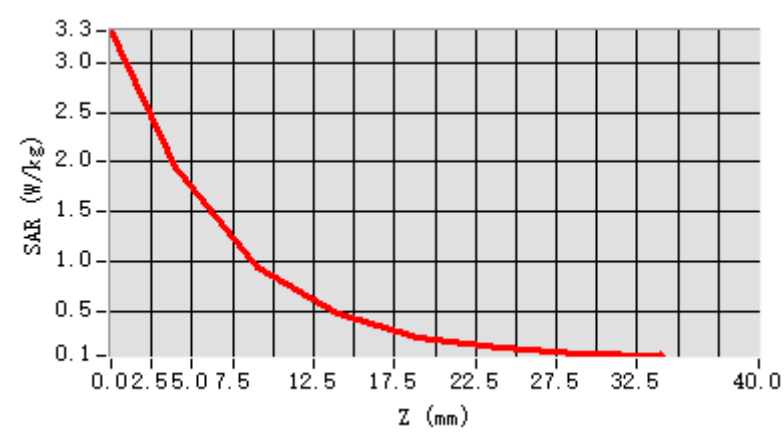
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	3.317	1.942	0.939	0.471	0.245	0.135	0.083



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Test Laboratory: AGC Lab

Date: Dec. 16, 2025

System Check 5200 MHz

DUT: Dipole 5000MHz Type: SID5000

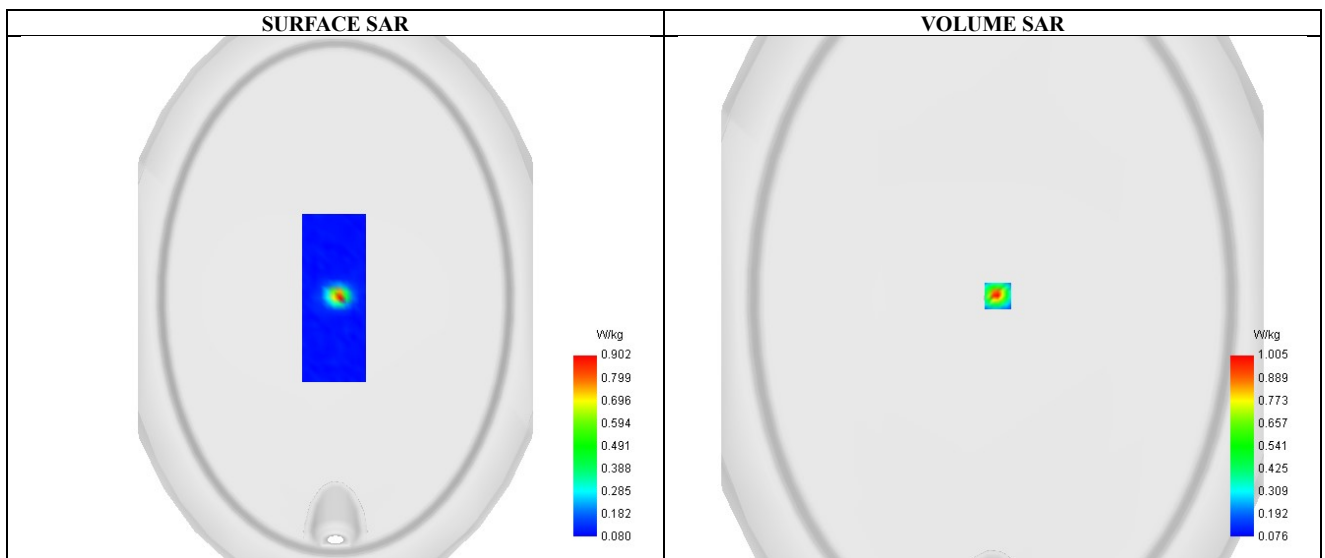
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.54
Frequency: 5200 MHz; Medium parameters used: $f = 5250$ MHz; $\sigma = 4.56$ mho/m; $\epsilon_r = 35.73$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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

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



SAR 10g (W/Kg)	0.224
SAR 1g (W/Kg)	0.718
Variation (%)	-5.380
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.134803

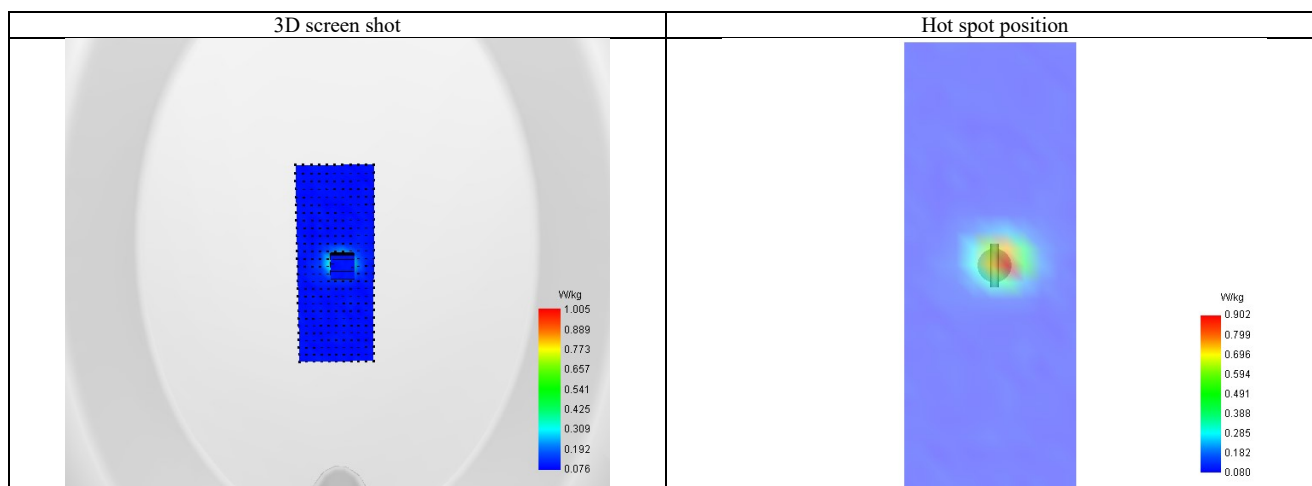
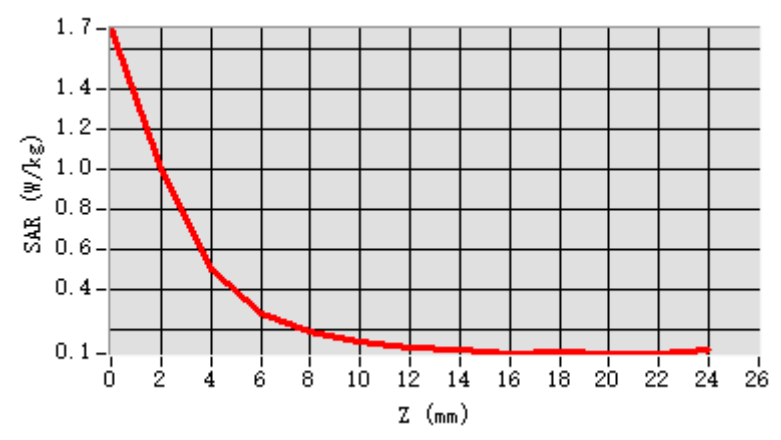
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Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.795	1.405	0.704	0.478	0.385	0.237	0.189	0.098	0.080	0.087	0.084	0.083



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Test Laboratory: AGC Lab
System Check Head 5300 MHz
DUT: Dipole 5000MHz Type: SID5000

Date: Dec. 18, 2025

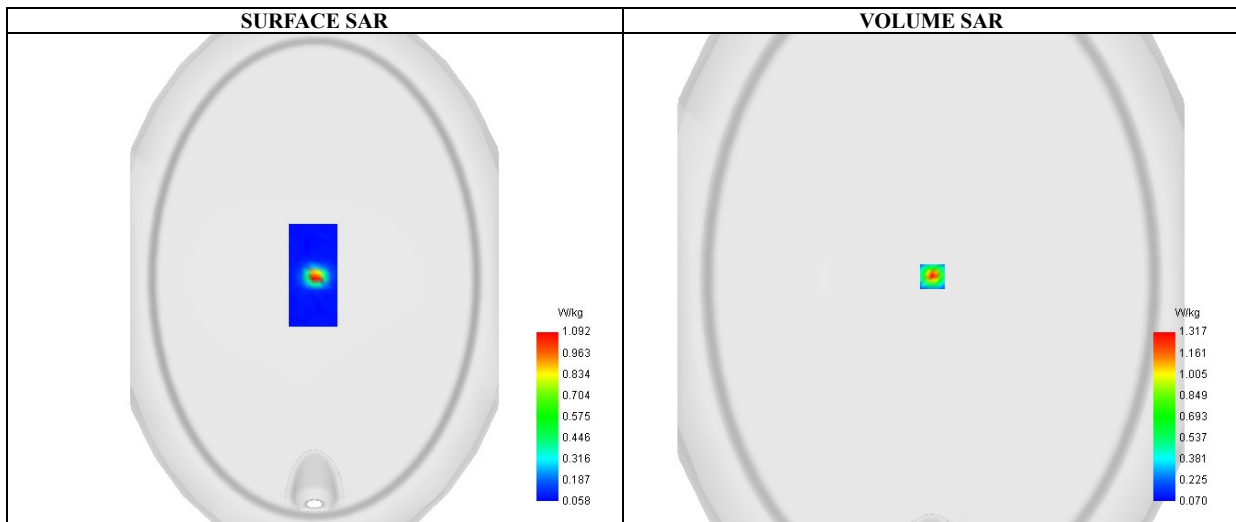
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.54
Frequency: 5300 MHz; Medium parameters used: $f = 5250$ MHz; $\sigma = 4.63$ mho/m; $\epsilon_r = 35.47$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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

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



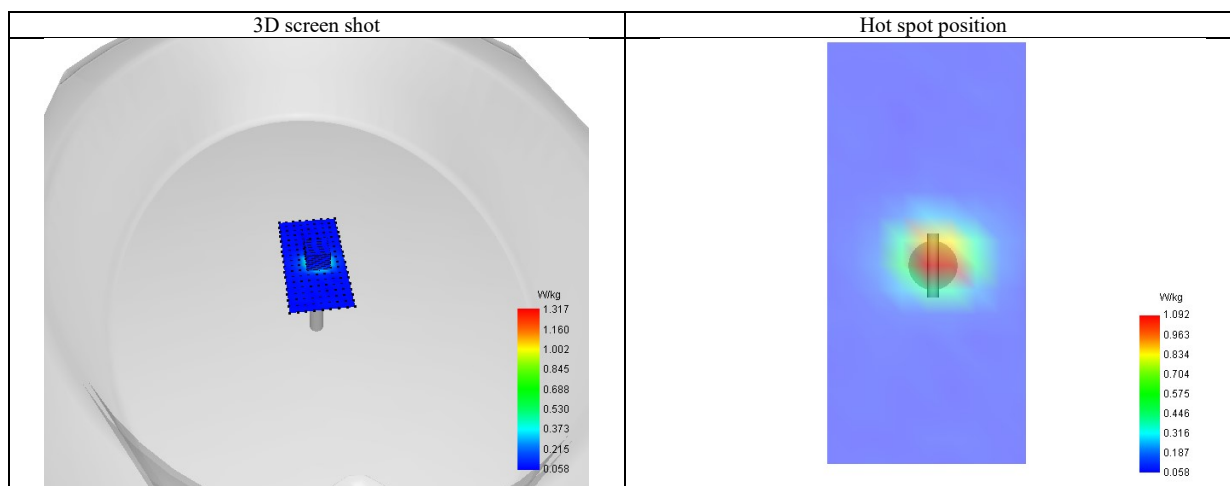
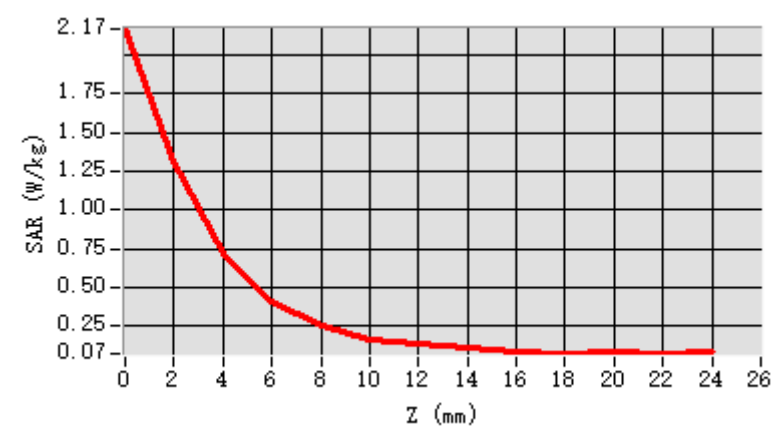
Maximum location: X=1.00, Y=2.00 ; SAR Peak: 2.24 W/kg

SAR 10g (W/Kg)	0.238
SAR 1g (W/Kg)	0.739
Variation (%)	6.810
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	54.776815

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Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	2.167	1.317	0.722	0.411	0.249	0.160	0.135	0.107	0.092	0.077	0.086	0.073



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Test Laboratory: AGC Lab
System Check Head 5600 MHz
DUT: Dipole 5000MHz Type: SID5000

Date: Dec. 17, 2025

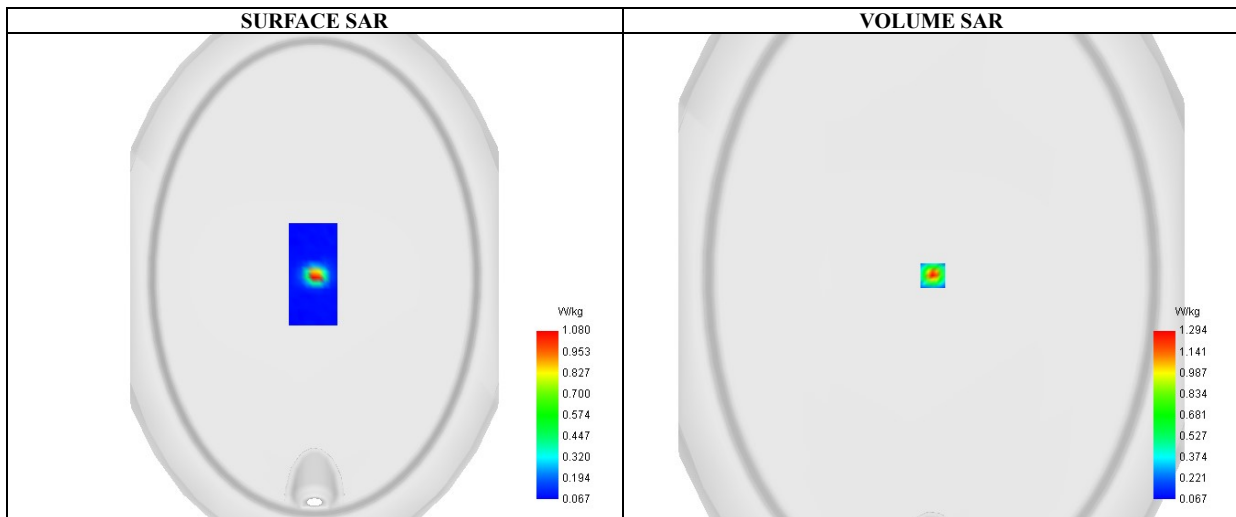
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.44
Frequency: 5600 MHz; Medium parameters used: $f = 5600$ MHz; $\sigma = 5.15$ mho/m; $\epsilon_r = 34.93$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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

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



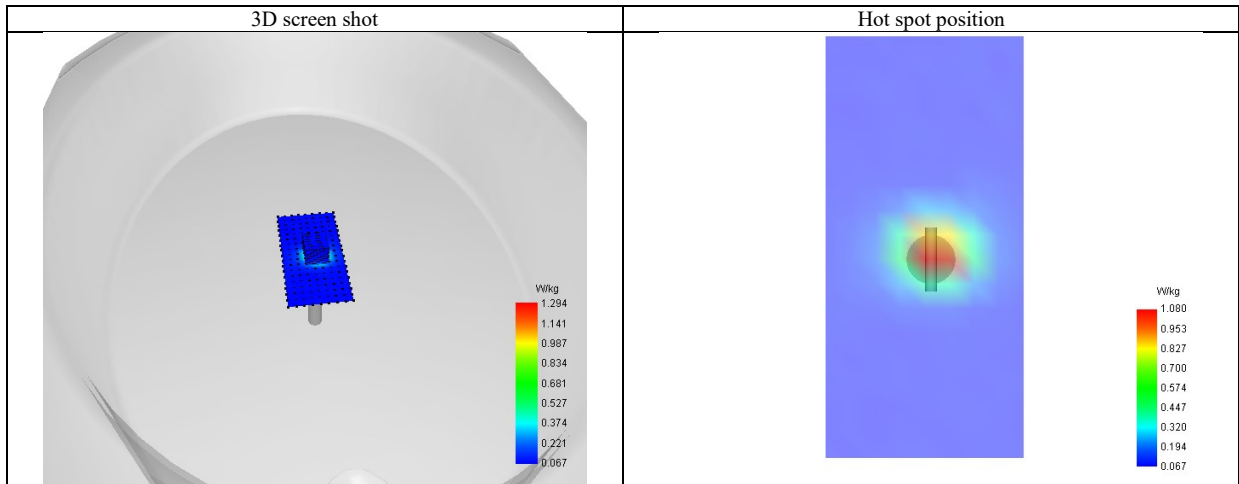
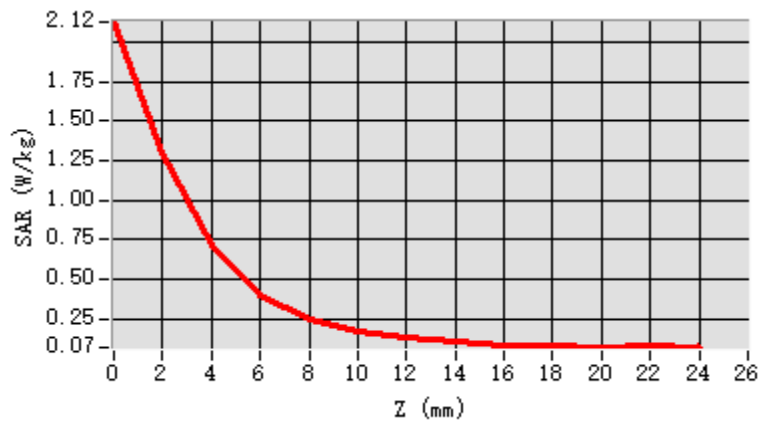
Maximum location: X=1.00, Y=2.00 ; SAR Peak: 2.16 W/kg

SAR 10g (W/Kg)	0.225
SAR 1g (W/Kg)	0.746
Variation (%)	-9.210
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.607973

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Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	2.125	1.294	0.720	0.396	0.241	0.167	0.129	0.103	0.088	0.080	0.073	0.081



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Test Laboratory: AGC Lab
System Check Head 5800 MHz
DUT: Dipole 5000MHz Type: SID5000

Date: Dec. 15, 2025

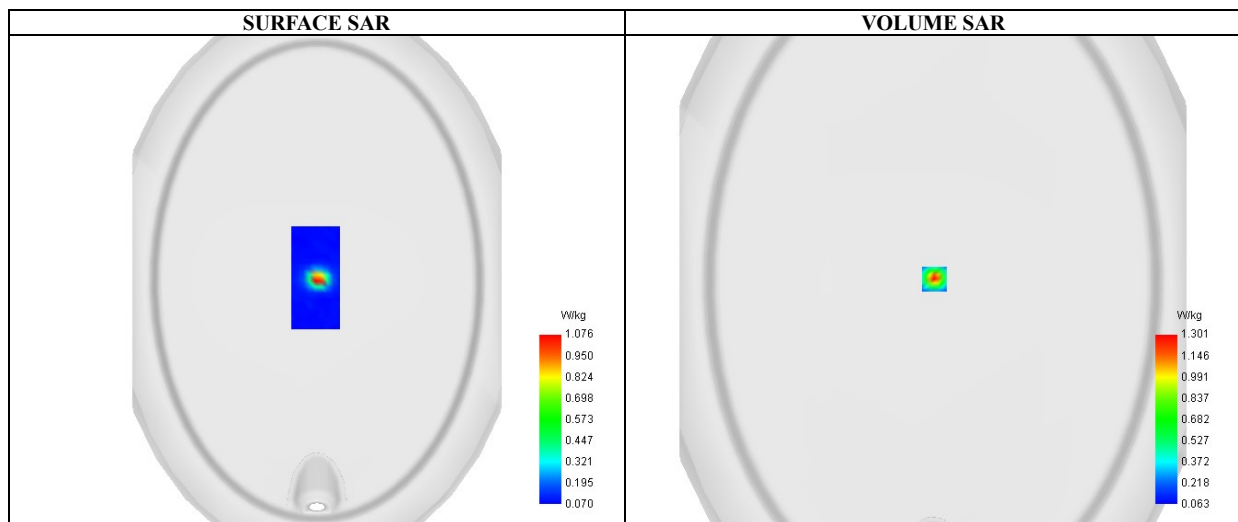
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.41
Frequency: 5800 MHz; Medium parameters used: $f = 5750$ MHz; $\sigma = 5.17$ mho/m; $\epsilon_r = 34.38$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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

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



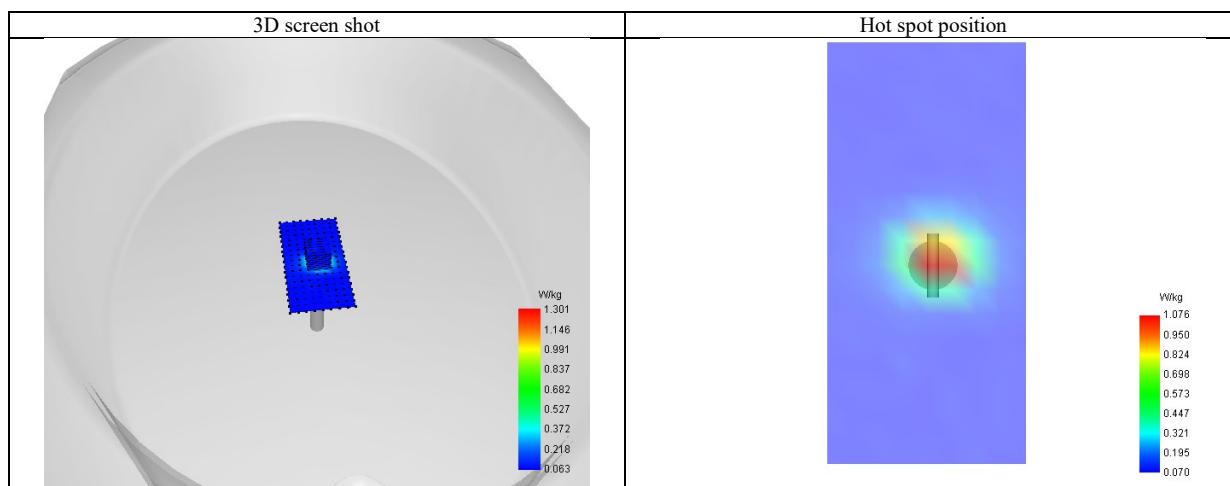
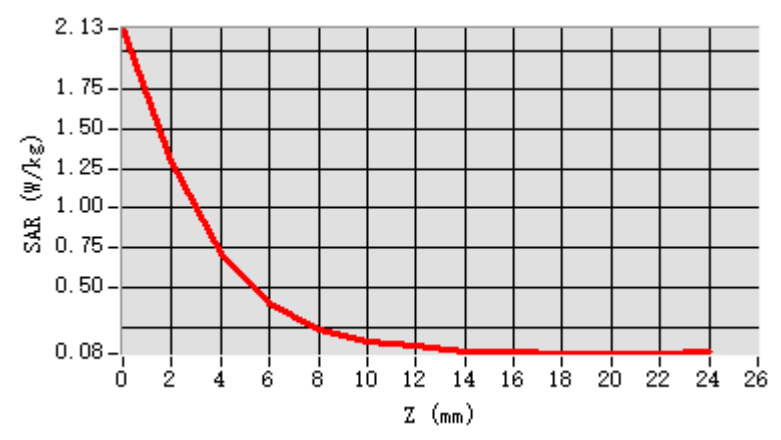
Maximum location: X=1.00, Y=2.00 ; SAR Peak: 2.20 W/kg

SAR 10g (W/Kg)	0.236
SAR 1g (W/Kg)	0.733
Variation (%)	-12.860
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.153332

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Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	2.134	1.301	0.717	0.402	0.233	0.162	0.129	0.088	0.096	0.081	0.085	0.087



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APPENDIX B. SAR MEASUREMENT DATA

Test Laboratory: AGC Lab
GSM 850 Mid- Body- Back (MS)<SIM 1>
DUT: Tablet; Type: T10

Date: Dec. 19, 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; $\epsilon_r = 41.02$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

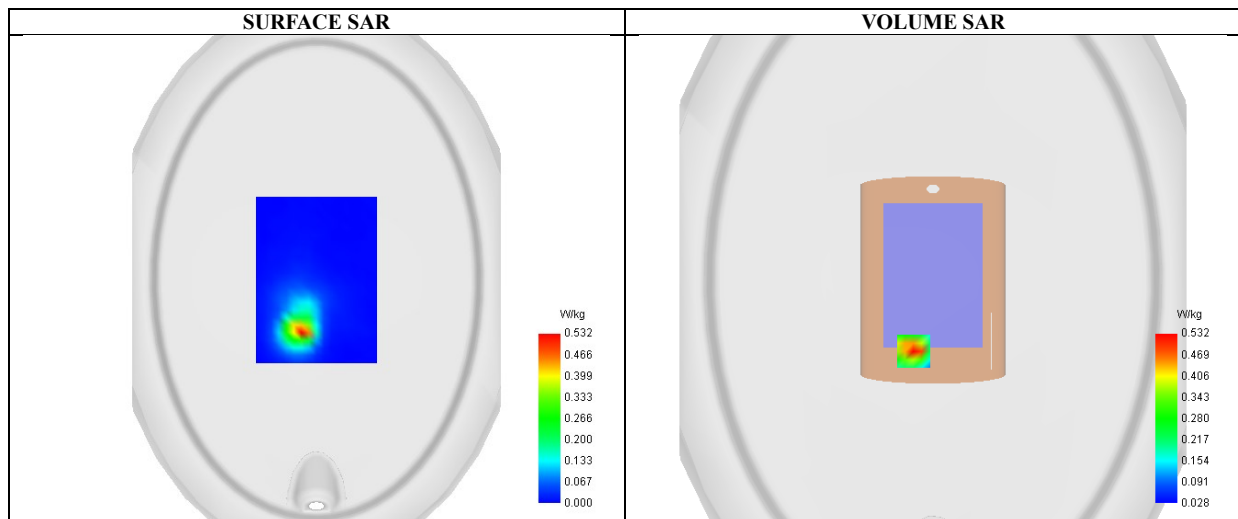
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	ELLI
Device Position	Body Back
Band	GSM 850
Channels	Middle
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-19.00, Y=-69.00 ; SAR Peak: 0.91 W/kg

SAR 10g (W/Kg)	0.264
SAR 1g (W/Kg)	0.506
Variation (%)	-4.510
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.078530

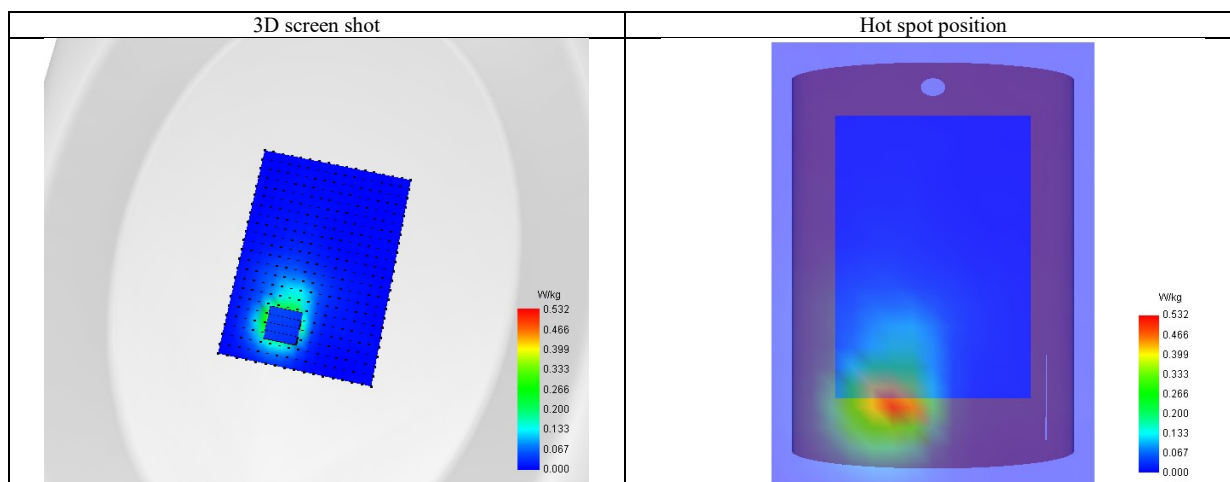
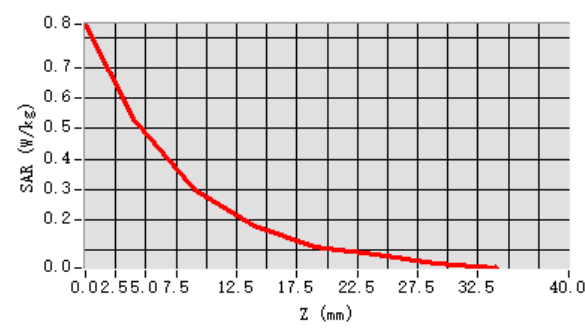
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.843	0.532	0.298	0.180	0.113	0.086	0.056



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Test Laboratory: AGC Lab
GPRS 850 High- Body- Back (4up)
DUT: Tablet; Type: T10

Date: Dec. 19, 2025

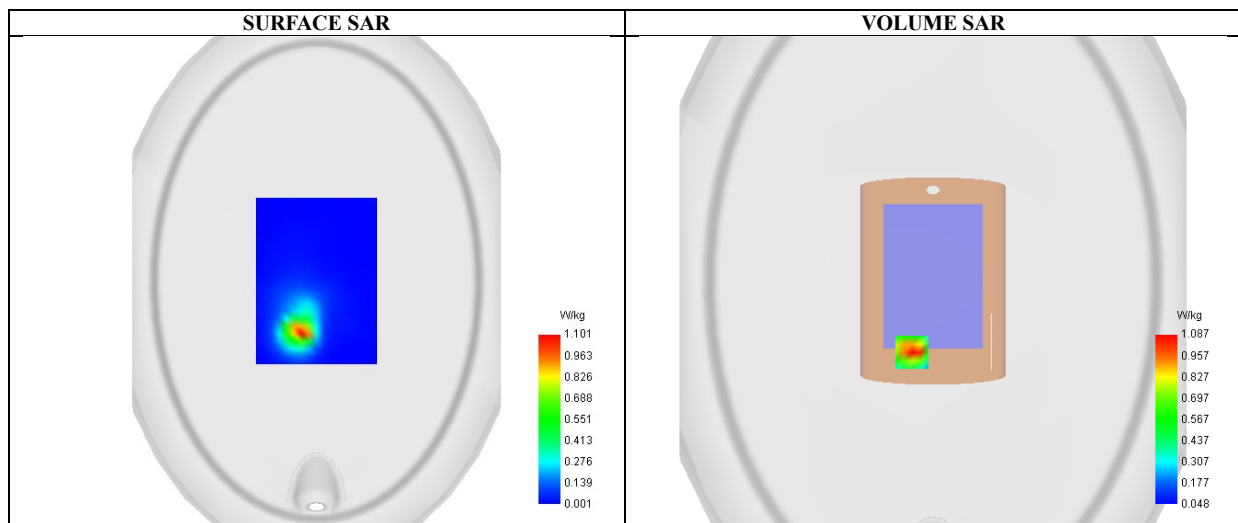
Communication System: GPRS-4 Slot; Communication System Band: GSM 850; Duty Cycle: 1:2.1; Conv.F=2.23;
Frequency: 848.8 MHz; Medium parameters used: $f = 835$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 40.31$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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	dx=8mm dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	GSM 850
Channels	High
Signal	TDMA (Crest factor: 2.0)



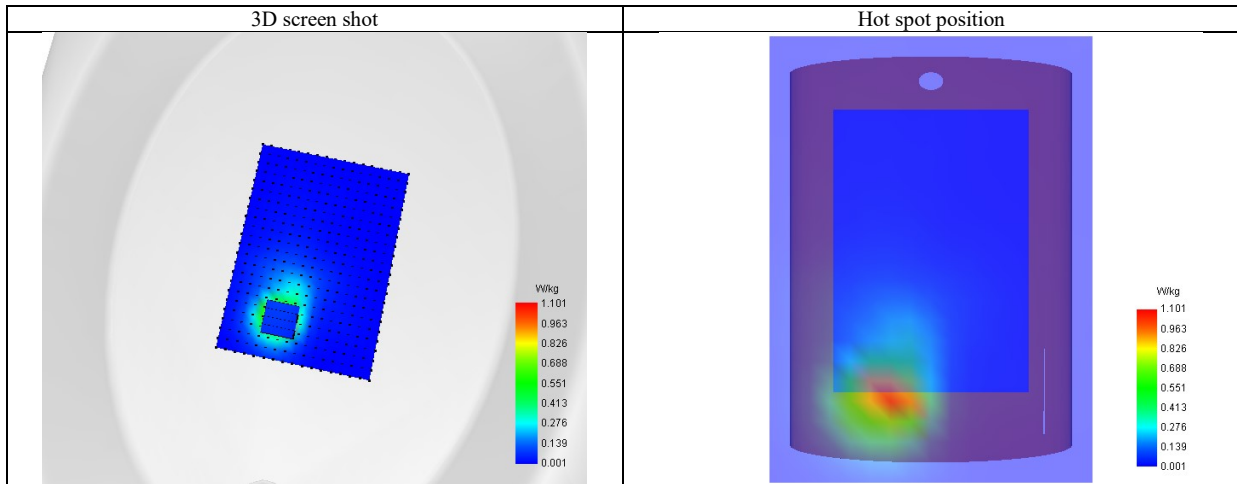
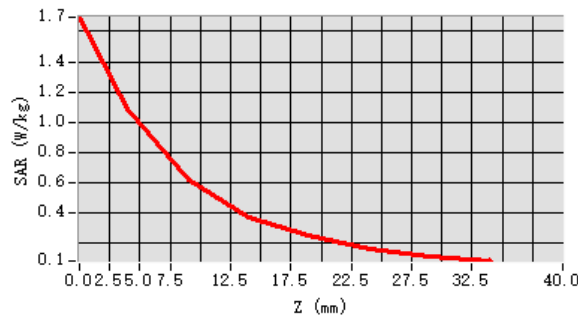
Maximum location: X=-20.00, Y=-69.00 ; SAR Peak: 1.89 W/kg

SAR 10g (W/Kg)	0.545
SAR 1g (W/Kg)	1.042
Variation (%)	-0.730
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	57.324283

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.694	1.087	0.623	0.374	0.248	0.159	0.117



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Test Laboratory: AGC Lab
PCS 1900 Low-Body-Back (MS)<SIM 1>
DUT: Tablet; Type: T10

Date: Dec. 23, 2025

Communication System: Generic GSM; Communication System Band: PCS 1900; Duty Cycle: 1:8.3; Conv.F=2.25;
Frequency: 1850.2 MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.34$ mho/m; $\epsilon_r = 40.13$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

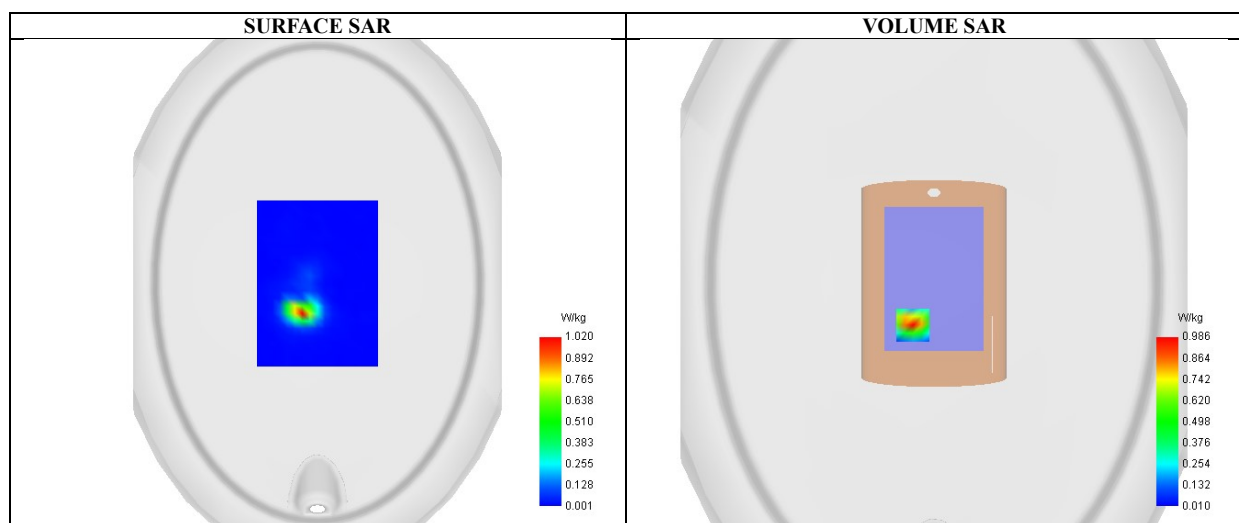
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/PCS1900 Low-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/PCS1900 Low-Body-Back/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	ELLI
Device Position	Body Back
Band	PCS 1900
Channels	Low
Signal	TDMA (Crest factor: 8.0)



Maximum location: X=-20.00, Y=-40.00 ; SAR Peak: 1.62 W/kg

SAR 10g (W/Kg)	0.440
SAR 1g (W/Kg)	0.916
Variation (%)	-1.580
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	52.993061

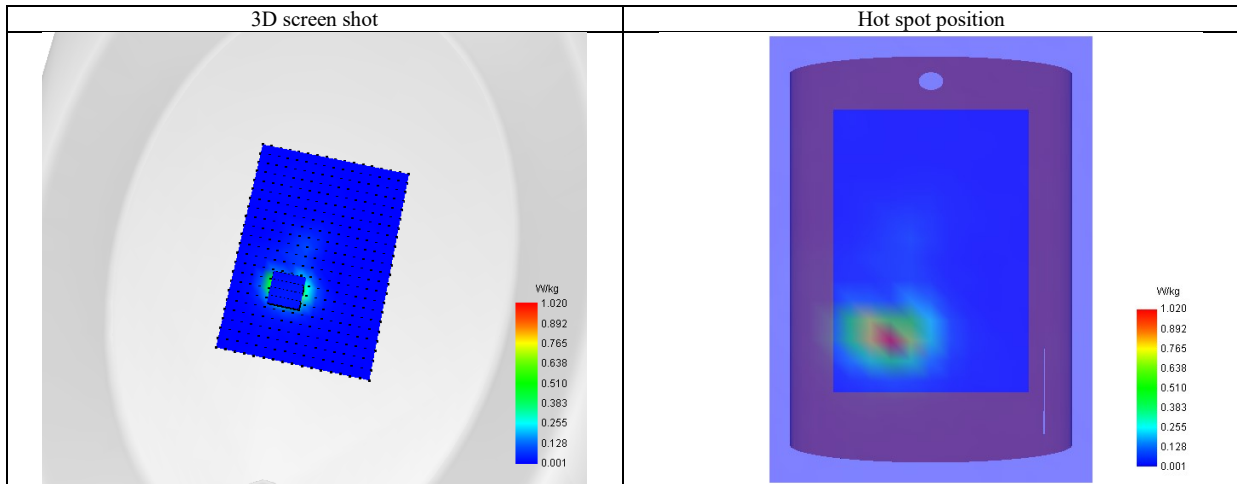
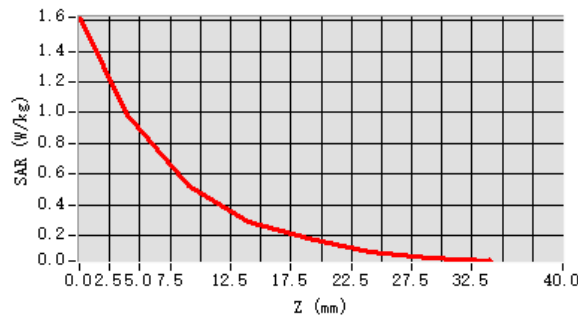
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.621	0.986	0.523	0.292	0.177	0.097	0.056



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Test Laboratory: AGC Lab
GPRS 1900 Low-Body-Back (2up)
DUT: Tablet; Type: T10

Date: Dec. 23, 2025

Communication System: GPRS-2Slot; Communication System Band: PCS 1900; Duty Cycle: 1:4.2; Conv.F=2.25;
Frequency: 1850.2MHz; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.34$ mho/m; $\epsilon_r = 40.13$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

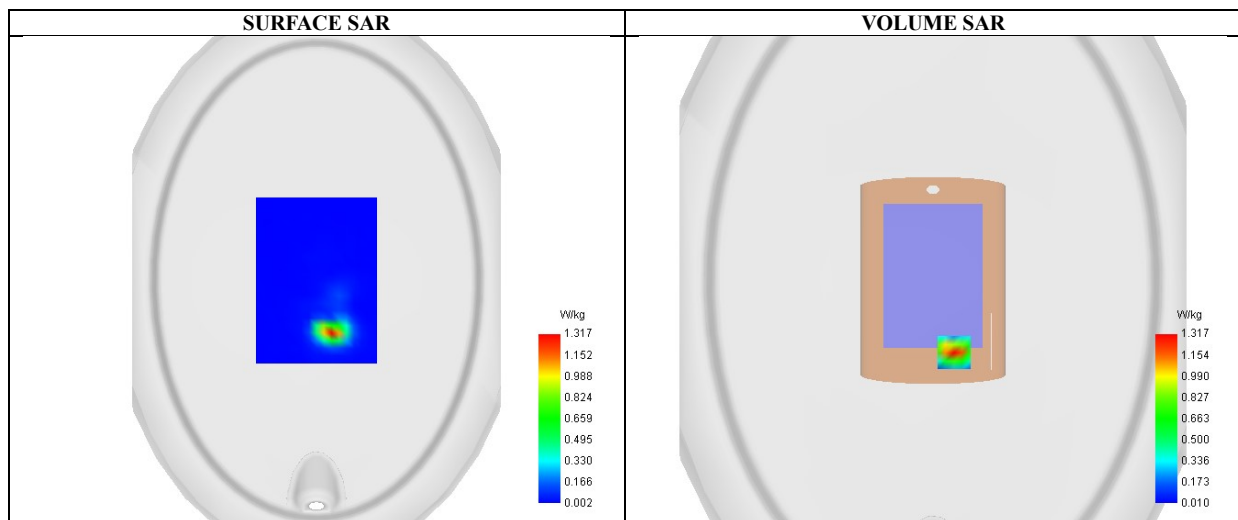
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/GPRS1900 Low-Body-Back/Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/GPRS1900 Low-Body-Back/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,Complete
Phantom	ELLI
Device Position	Body Back
Band	PCS 1900
Channels	Low
Signal	TDMA (Crest factor: 4.0)



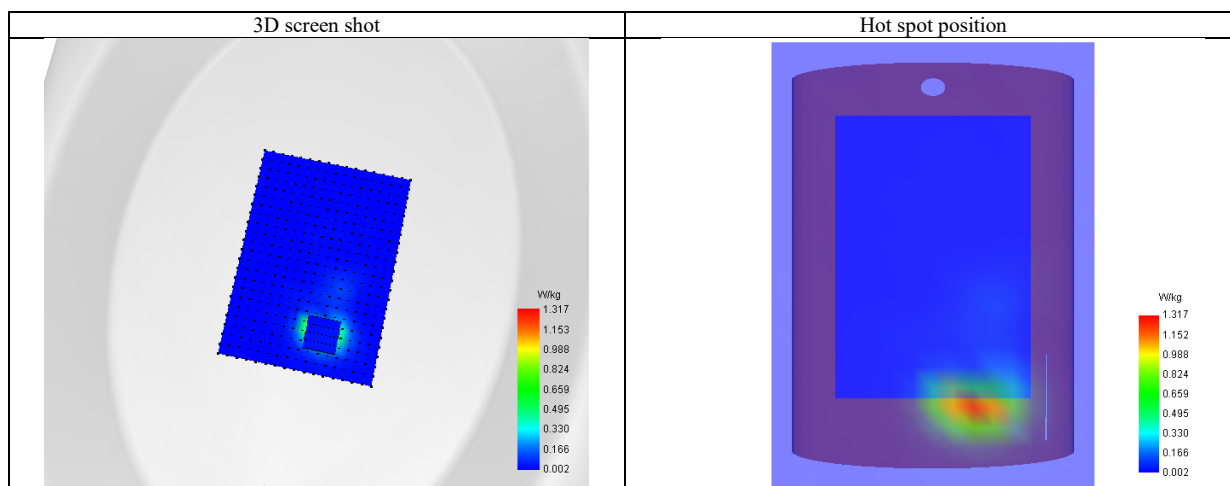
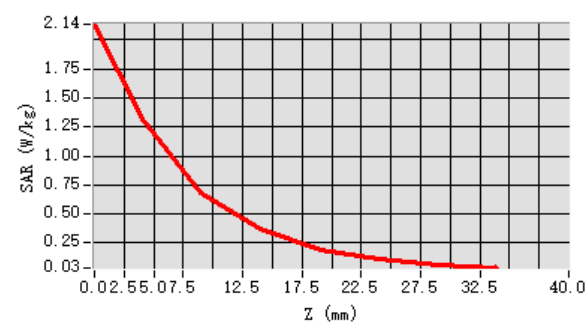
Maximum location: X=20.00, Y=-70.00 ; SAR Peak: 2.16 W/kg

SAR 10g (W/Kg)	0.564
SAR 1g (W/Kg)	1.196
Variation (%)	-1.870
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	52.275822

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.135	1.317	0.688	0.369	0.193	0.111	0.061



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Test Laboratory: AGC Lab
WCDMA Band II Low-Body-Towards Grounds (RMC 12.2kbps)
DUT: Tablet; Type: T10

Date: Dec. 23, 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; $\sigma = 1.34$ mho/m; $\epsilon_r = 39.89$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

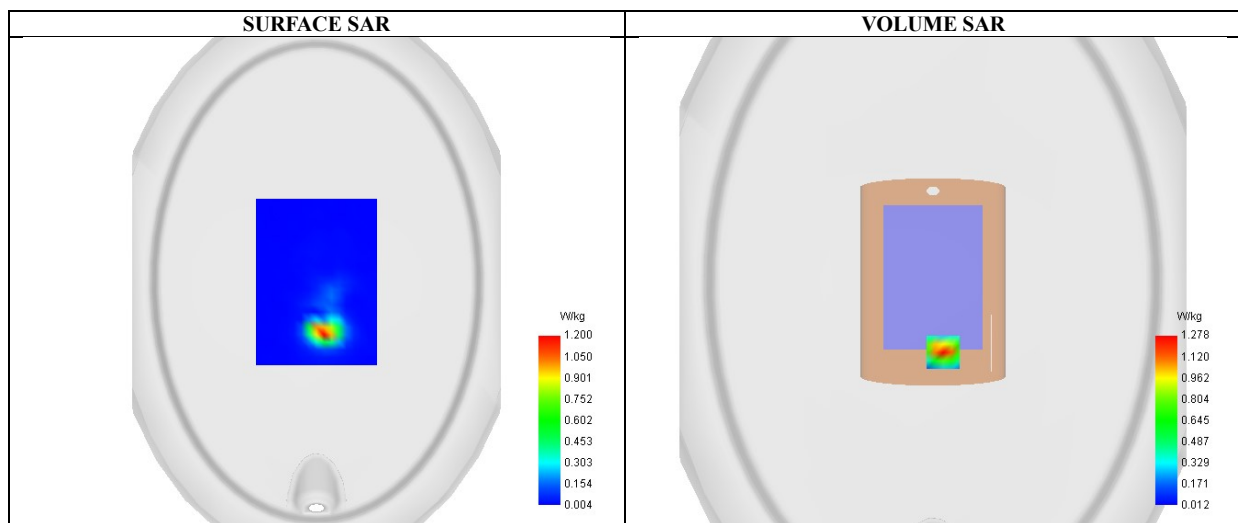
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	ELLI
Device Position	Body Back
Band	WCDMA band II
Channels	Low
Signal	CDMA (Crest factor: 1.0)



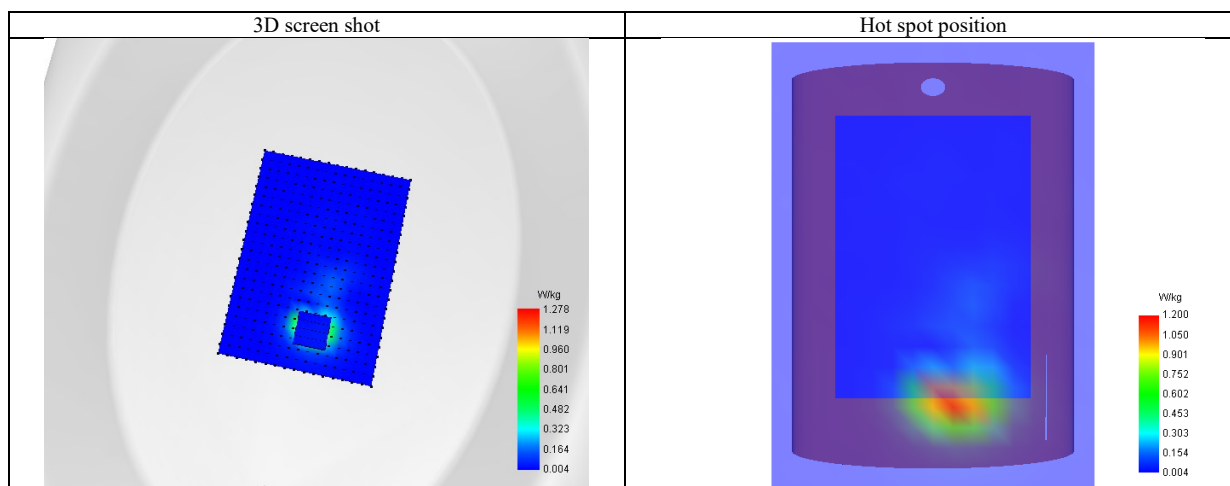
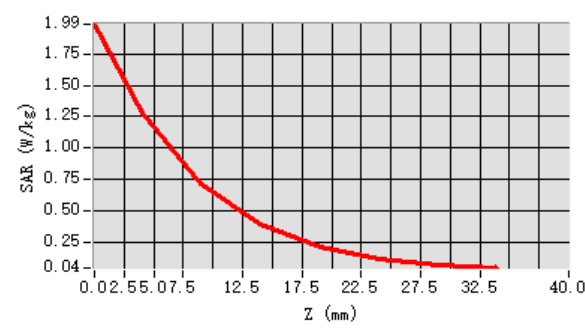
Maximum location: X=10.00, Y=-68.00 ; SAR Peak: 2.02 W/kg

SAR 10g (W/Kg)	0.585
SAR 1g (W/Kg)	1.187
Variation (%)	-2.430
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	55.377936

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.986	1.278	0.708	0.395	0.213	0.118	0.070



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Test Laboratory: AGC Lab
WCDMA Band II High-Body-Towards Grounds (RMC 12.2kbps)
DUT: Tablet; Type: T10

Date: Dec. 23, 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: $f = 1900 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 38.61$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

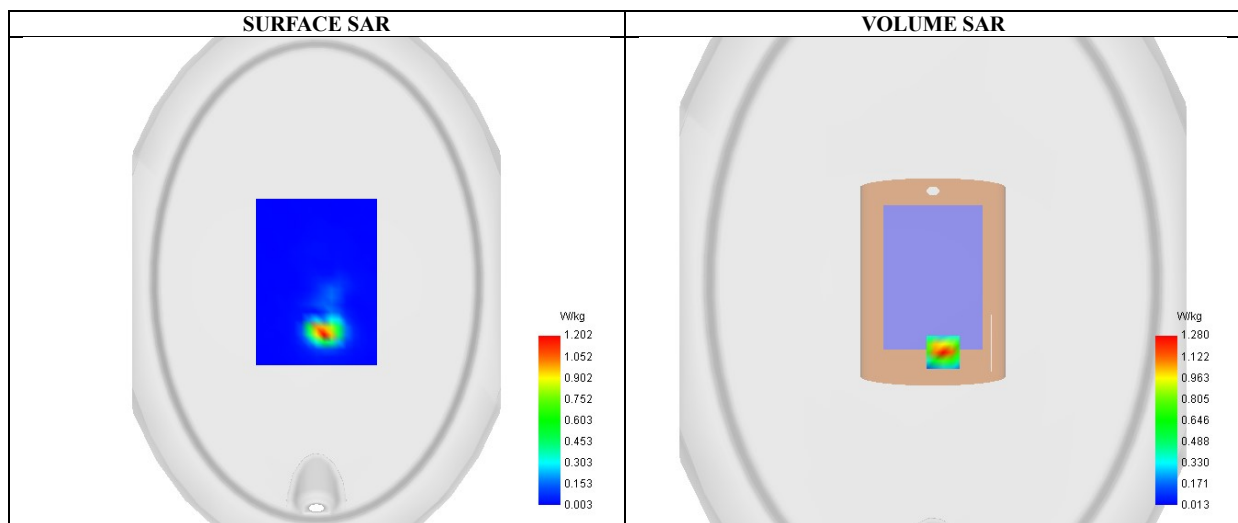
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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

Configuration/ WCDMA band II High-Body-Back/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	ELLI
Device Position	Body Back
Band	WCDMA band II
Channels	High
Signal	CDMA (Crest factor: 1.0)



Maximum location: $X=10.00$, $Y=-68.00$; SAR Peak: 2.04 W/kg

SAR 10g (W/Kg)	0.585
SAR 1g (W/Kg)	1.191
Variation (%)	-3.580
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	55.303273

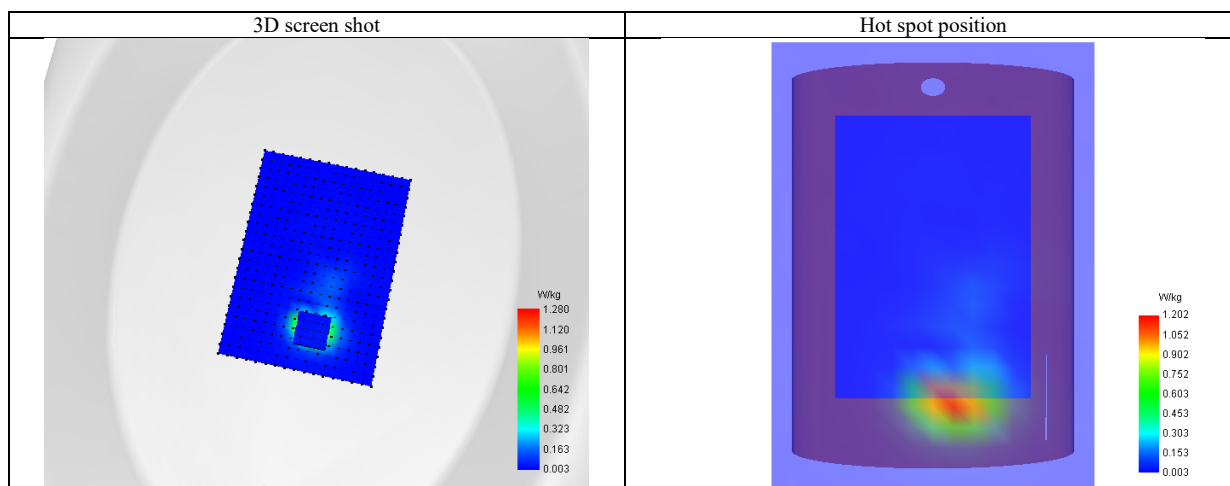
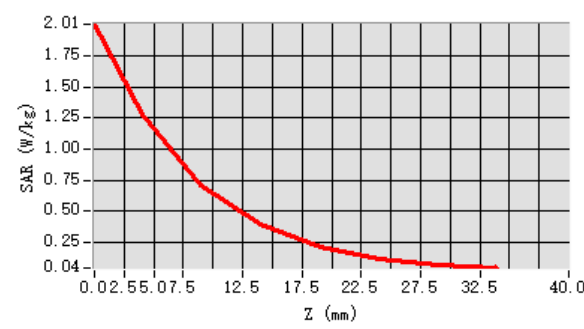
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	2.005	1.280	0.708	0.390	0.218	0.119	0.068



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Test Laboratory: AGC Lab

Date: Dec. 19, 2025

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

DUT: Tablet; Type: T10

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: $f = 835\text{MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 41.02$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section

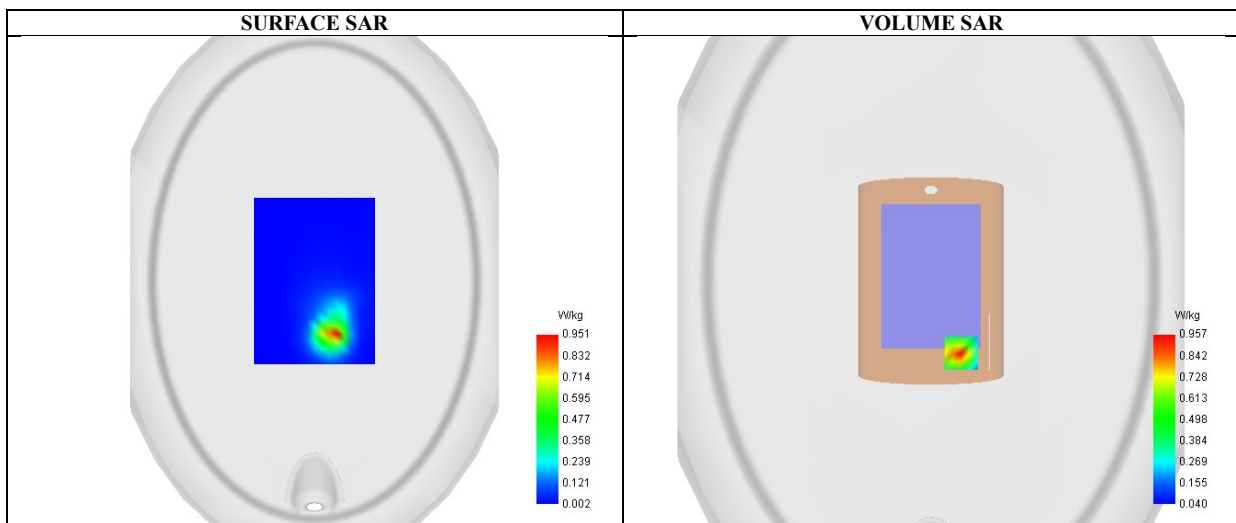
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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

Configuration/ WCDMA Band V Mid-Body-Back/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	ELLI
Device Position	Body Back
Band	WCDMA Band V
Channels	Middle
Signal	CDMA (Crest factor: 1.0)



Maximum location: X=29.00, Y=-70.00 ; SAR Peak: 1.58 W/kg

SAR 10g (W/Kg)	0.470
SAR 1g (W/Kg)	0.891
Variation (%)	-3.810
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.129652

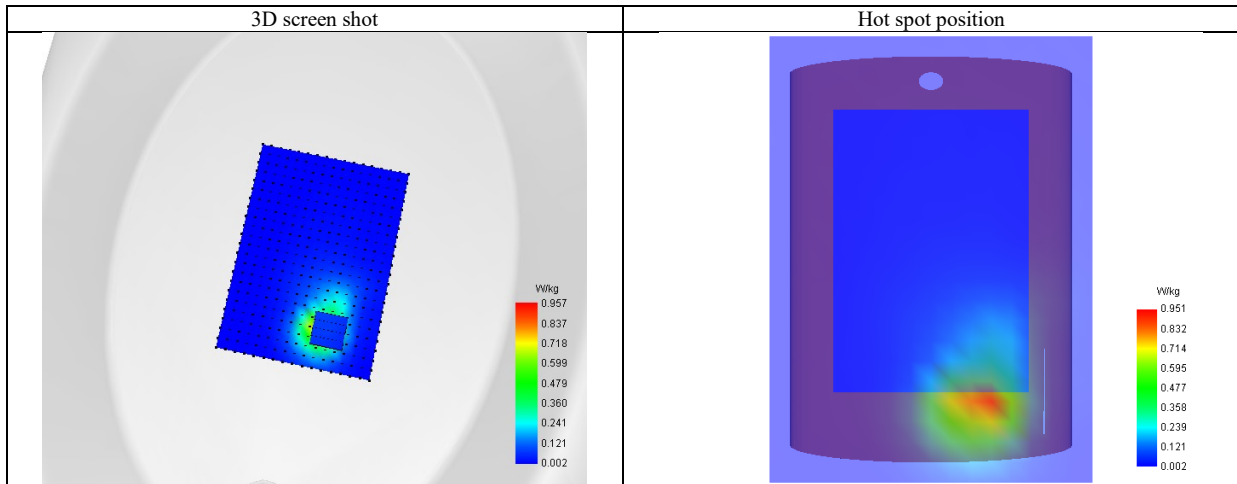
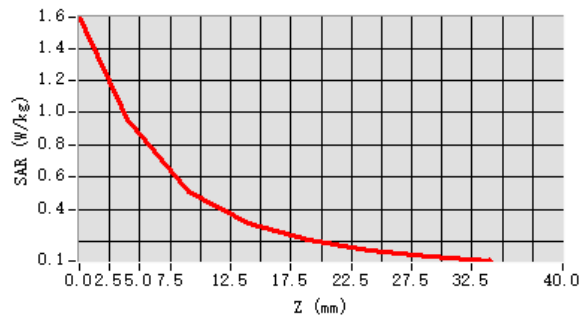
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.593	0.957	0.508	0.314	0.209	0.145	0.103



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Test Laboratory: AGC Lab

Date: Dec. 19, 2025

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

DUT: Tablet; Type: T10

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: $f = 835\text{MHz}$; $\sigma = 0.93\text{ mho/m}$; $\epsilon_r = 40.62$; $\rho = 1000\text{ kg/m}^3$; Phantom section: Flat Section

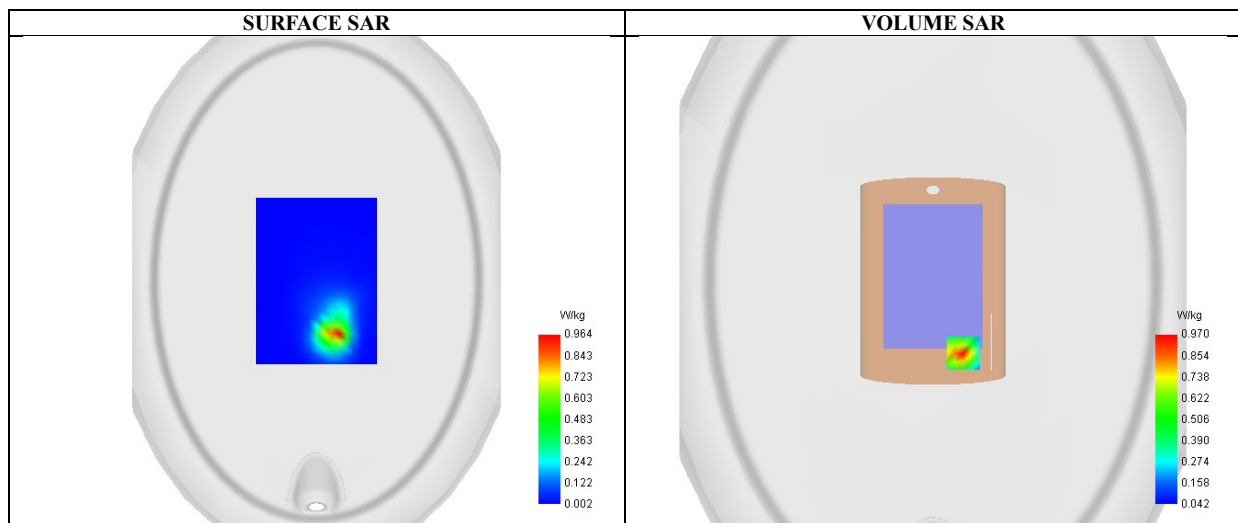
SATIMO Configuration:

- Probe: SSE2; Calibrated: 2025-05-06; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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	$dx=8\text{mm}$ $dy=8\text{mm}$, $h= 5.00\text{ mm}$
ZoomScan	$5\times 5\times 7$, $dx=8\text{mm}$ $dy=8\text{mm}$ $dz=5\text{mm}$, Complete
Phantom	ELLI
Device Position	Body Back
Band	WCDMA Band V
Channels	High
Signal	CDMA (Crest factor: 1.0)


Maximum location: $X=29.00$, $Y=-70.00$; SAR Peak: 1.60 W/kg

SAR 10g (W/Kg)	0.476
SAR 1g (W/Kg)	0.903
Variation (%)	3.090
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.075437

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