
SAR Test Report

Report No.: AGC02762260506FH01

FCC ID : 2AL26-R2

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION : Body Worn Camera

BRAND NAME : Reveal Media

MODEL NAME : R2

APPLICANT : Reveal Media Limited

DATE OF ISSUE : Jun. 30, 2026

STANDARD(S) : IEC/IEEE 62209-1528:2020
FCC 47 CFR Part 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	/	Jun. 30, 2026	Valid	Initial Release

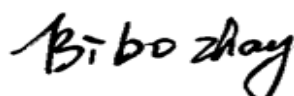
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Test Report	
Applicant Name	Reveal Media Limited
Applicant Address	Riverview House, 20 Old Bridge Street, Hampton Wick, KT1 4BU, UNITED KINGDOM
Manufacturer Name	Reveal Media Hong Kong Ltd.
Manufacturer Address	6/F., Luk Kwok Centre, 72 Gloucester Road, Wan Chai, Hong Kong
Product Designation	Body Worn Camera
Brand Name	Reveal Media
Model Name	R2
EUT Voltage	DC 3.8V by battery
Applicable Standard	IEC/IEEE 62209-1528:2020 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1™-2019
Date of receipt of test item	May 25, 2026
Test Date	Jun. 21, 2026 to Jun. 27, 2026
Report Template	AGCRT-US-5G/SAR (2021-04-20)

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


 Prepared By _____
 Jack Gui (Project Engineer) Jun. 30, 2026


 Reviewed By _____
 Bibo Zhang (Reviewer) Jun. 30, 2026


 Approved By _____
 Angela Li (Authorized Officer) Jun. 30, 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)	
2.4 GHz WIFI	0.296	1.6
5.2 GHz WIFI	1.133	
5.3 GHz WIFI	1.330	
5.6 GHz WIFI	1.083	
5.8 GHz WIFI	1.083	
Simultaneous Reported SAR	1.376	
SAR Test Result	PASS	

This device is compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6W/kg) specified in IEC/IEEE 62209-1528:2020; FCC 47CFR § 2.1093; IEEE Std C95.1™-2019 and the following specific FCC Test Procedures:

- KDB 447498 D01 General RF Exposure Guidance v06
- KDB 865664 D01 SAR Measurement 100MHz to 6GHz v01r04
- KDB 248227 D01 802 11 Wi-Fi SAR v02r02

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2. GENERAL INFORMATION

2.1. EUT Description

General Information	
Product Designation	Body Worn Camera
Test Model	R2
Hardware Version	EP-VRM09MB
Software Version	nrf52833_xxaa.hex
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	Iron Antenna
Bluetooth	
Operation Frequency	2402~2480MHz
Antenna Gain	-1.11dBi
Bluetooth Version	V5.1
Type of modulation	BLE: GFSK
EIRP	BLE: 0.282dBm
2.4GHz WIFI	
WIFI Specification	☒ 802.11b ☒ 802.11g ☒ 802.11n(20) ☐ 802.11n(40)
Operation Frequency	2412~2462MHz
EIRP	11b: 13.86dBm, 11g: 13.14dBm, 11n(20): 12.22dBm
Antenna Gain	2.65dBi
5GHz WIFI	
WIFI Specification	☒ 802.11a ☒ 802.11n20 ☒ 802.11ac20 ☒ 802.11n40 ☒ 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
Type of modulation	802.11a/n: (64-QAM, 16-QAM, QPSK, BPSK) OFDM 802.11ac : (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK) OFDM
EIRP	U-NII-1: 13.13dBm; U-NII-2A: 13.11dBm; U-NII-2C: 13.48dBm; U-NII-3: 13.02dBm
Antenna Gain	3.65dBi
Battery	Brand name: N/A Model No. : PL 934539 Voltage and Capacitance: DC 3.8V & 2400mAh

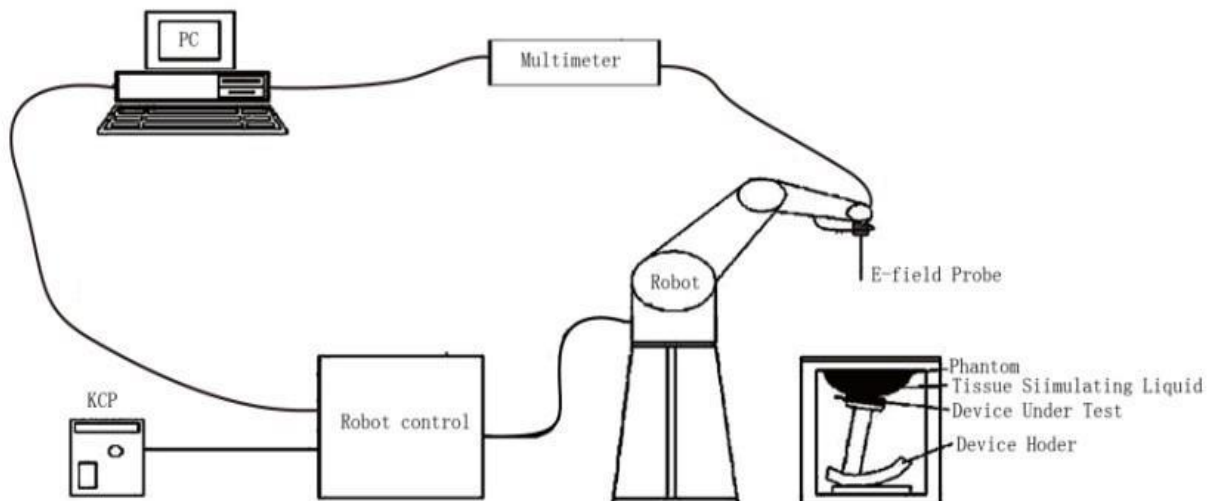
Note: 1. The sample used for testing is end product.

2. The test sample has no any deviation to the test method of standard mentioned in page 1.

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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. IEC/IEEE 62209-1528 and relevant KDB files.)Under ISO17025.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:±0.07dB(0.15GHz-7.5GHz)	
Dynamic Range	0.01W/kg-100W/kg Linearity:±0.07dB	
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:

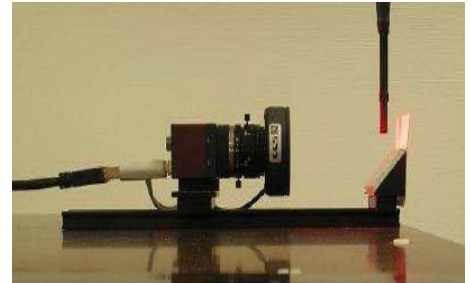
- ☐ High precision (repeatability 0.02 mm)
- ☐ High reliability (industrial design)
- ☐ Jerk-free straight movements
- ☐ Low ELF interference (the closed metallic construction shields against motor control fields)
- ☐ 6-axis controller



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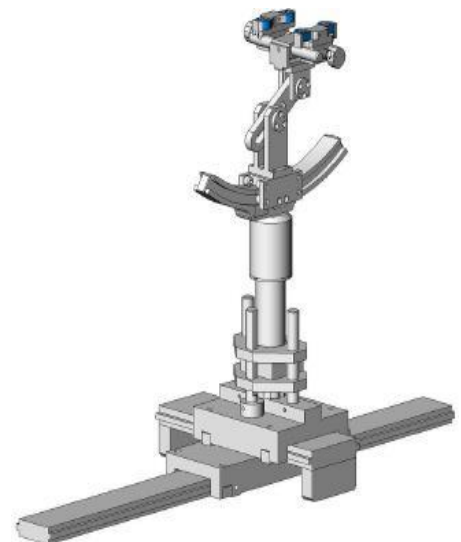
3.4. Video Positioning System

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 shell phantom 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

- a) Measure the local SAR at a test point within 5 mm of the inner surface of the phantom where the measured local SAR exceeds the lower detection limit of the measurement system. Preferably, the test point will be near the expected peak SAR location, and still within the said distance from the phantom surface. As explained in step f), a comparative measurement shall be made by the system at the same point after completion of the SAR measurement.
- b) Measure the two-dimensional SAR distribution within the phantom (i.e. the area scan). Table 3 provides the measurement parameters required for the area scan.
 - 1) The area over which the SAR measurement is performed shall cover at least an area larger than the projection of the DUT, including its antenna. For some DUTs, the area projected onto the phantom can be relatively large, such that the probe might not reach all points. In this case, rotated phantoms may be used, and the area may be assessed by multiple overlapping area scans. The measurement resolution and spatial resolution for interpolation shall be selected to allow identification of the local peak locations to within one-half of the linear dimension of the corresponding side of the zoom-scan volume.
 - 2) For the flat phantom, the boundary of the measurement area shall not be closer than 20 mm from the phantom side walls.
- c) From the area-scan SAR distribution, identify the position of the maximum SAR value. In addition, identify the positions of any local maxima with SAR values within 2 dB of the maximum value, and that will not be within the zoom scan of other peaks. Additional zoom scans shall be measured for such peaks only when the primary peak is within 2 dB of the SAR compliance limit (e.g. 1 W/kg for 1,6 W/kg 1 g limit, or 1,26 W/kg for 2 W/kg 10 g limit).
- d) Measure the three-dimensional SAR distribution at each of the local maxima locations identified in step c) (i.e. the zoom scan).
 - 1) For frequencies at or below 3 GHz, the following procedure shall be applied (see Table 4).
 - i) The minimum size of the zoom scan volume shall be 30 mm by 30 mm by 30 mm.
 - ii) The horizontal grid step shall be 8 mm or less.
 - iii) The grid step in the vertical direction shall be 5 mm, or less if uniform spacing is used.
 - iv) If variable spacing is used in the vertical direction, the maximum spacing between the two closest measured points to the phantom shell (M1 and M2, see Figure 20) shall be 4 mm or less, and the spacing between the farther points shall increase by a factor of 1,5 or less.
 - v) For other parameters, see Table 4 and Figure 20.
 - 2) For frequencies above 3 GHz, the following procedure shall be applied.
 - i) the minimum size of the zoom scan volume may be reduced to 22 mm by 22 mm by 22 mm.
 - ii) The horizontal grid step shall be $(24/f[\text{GHz}])$ mm or less.
 - iii) If uniform spacing in the vertical direction is used, the grid step in the vertical direction shall be $(10/(f[\text{GHz}] - 1))$ mm or less.
 - iv) If variable spacing is used in the vertical direction, the maximum spacing between the two measured points closest to the phantom shell shall be $(12/f[\text{GHz}])$ mm or less, and the spacing between farther points shall increase by a factor of 1,5 or less.
 - v) For other parameters, see Table 4 and Figure 20.
 - 3) If the highest SAR 1 g or 10 g cube is touching the boundary of a zoom-scan volume, the entire zoom scan shall be repeated with the new centre located at the maximum psSAR location indicated by the

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preceding zoom scan measurement. It is also acceptable to expand the zoom scan during measurement until the 1 g or 10 g cube is no longer touching the boundary of the zoom-scan volume.

- 4) If the zoom scan measured as specified in the preceding paragraphs complies with both i) and ii), or if the psSAR is below 0,1 W/kg, no additional measurements are needed.
 - i) The smallest horizontal distance from the local SAR peaks to all points 3 dB below the SAR peak shall be larger than the horizontal grid steps in both x- and y- directions (Δx , Δy). This shall be checked for the measured zoom scan plane conformal to the phantom at the distance zM1. The minimum distance shall be recorded in the SAR test report.
 - ii) The ratio of the SAR at the second measured point (M2) to the SAR at the closest measured point (M1) at the x-y location of the measured maximum SAR value shall be at least 30 % (Figure 20). This ratio (in %) shall be recorded in the SAR test report.

NOTE 1 The evaluation of the zoom scan is typically done by the post-processor, interpolation and extrapolation, and without reconstruction of the field. More focused induced SAR distributions (e.g. for more localized sources such as capacitively-coupled sources) require a denser grid, such that the same integration and extrapolation algorithms can be used for the same assessment uncertainty.

NOTE 2 The minimum ratio of 30 % is derived from the plane wave penetration depth at 6 GHz.

- 5) If one or both of step d) 4) i) and ii) are not met, the zoom scan measurement shall be repeated using a finer resolution while keeping the other zoom scan parameters compatible with Table 4. New horizontal and vertical grid steps shall be determined from the measured SAR distribution so that d) 4) i) and ii) are met. Compliance with d) 4) i) and ii) shall be demonstrated for the new measured zoom scan. The size of the higher-resolution zoom scan and the other parameters of Table 4 shall apply. The closest point to the phantom shell shall be 2 mm or less for graded grids, and the grading factor shall be 1,5 or less.
- 6) Uncertainties due to field distortion between the media boundary and the dielectric enclosure of the probe should also be minimized, which is achieved if the distance between the phantom surface and physical tip of the probe is larger than the probe tip diameter. Other methods may utilize correction procedures to compensate for boundary effects, which can enable high precision measurements at closer than half the probe tip diameter [22]. For all measurement points, the angle of the probe normal to the phantom surface shall be less than 5° for flat phantoms, and less than 30° for head phantoms. If these angles cannot be achieved, additional uncertainty evaluation is required (see Clause O.3).
- e) Use the post-processing (i.e. interpolation and extrapolation) procedures specified in 7.5 to determine psSAR values.
- f) Measure the local SAR at exactly the same test point location as in step a). The SAR drift of the DUT may be estimated by the difference between the two measured local SAR values from steps a) and f). See 7.4.3 for more information on addressing SAR measurement drift.

Table 3 – Area scan parameters

Parameter	DUT transmit frequency being tested	
	$f \leq 3$ GHz	$3 \text{ GHz} < f \leq 10$ GHz
Maximum distance between the measured points (geometric centre of the sensors) and the inner phantom surface (z_{M1} in Figure 20 in mm)	5 ± 1	$\delta \ln(2)/2 \pm 0,5^a$
Maximum spacing between adjacent measured points in mm (see O.8.3.1) ^b	20, or half of the corresponding zoom scan length, whichever is smaller	$60/f$, or half of the corresponding zoom scan length, whichever is smaller
Maximum angle between the probe axis and the phantom surface normal (α in Figure 20) ^c	5° (flat phantom only) 30° (other phantoms)	5° (flat phantom only) 20° (other phantoms)
Tolerance in the probe angle	1°	1°
^a δ is the penetration depth for a plane-wave incident normally on a planar half-space. ^b See Clause O.8 on how Δx and Δy may be selected for individual area scan requirements. ^c The probe angle relative to the phantom surface normal is restricted due to the degradation in the measurement accuracy in fields with steep spatial gradients. The measurement accuracy decreases with increasing probe angle and increasing frequency. This is the reason for the tighter probe angle restriction at frequencies above 3 GHz.		

Table 4 – Zoom scan parameters

Parameter	DUT transmit frequency being tested	
	$f \leq 3$ GHz	$3 \text{ GHz} < f \leq 10$ GHz
Maximum distance between the closest measured points and the phantom surface (z_{M1} in Figure 20 and Table 3, in mm)	5	$\delta \ln(2)/2^a$
Maximum angle between the probe axis and the phantom surface normal (α in Figure 20)	5° (flat phantom only) 30° (other phantoms)	5° (flat phantom only) 20° (other phantoms)
Maximum spacing between measured points in the x- and y-directions (Δx and Δy , in mm)	8	$24/f^b$
For uniform grids: Maximum spacing between measured points in the direction normal to the phantom shell (Δz_1 in Figure 20, in mm)	5	$10/(f - 1)$
For graded grids: Maximum spacing between the two closest measured points in the direction normal to the phantom shell (Δz_1 in Figure 20, in mm)	4	$12/f$
For graded grids: Maximum incremental increase in the spacing between measured points in the direction normal to the phantom shell ($R_z = \Delta z_2/\Delta z_1$ in Figure 20)	1,5	1,5
Minimum edge length of the zoom scan volume in the x- and y-directions (L_z in O.8.3.2, in mm)	30	22
Minimum edge length of the zoom scan volume in the direction normal to the phantom shell (L_h in O.8.3.2 in mm)	30	22
Tolerance in the probe angle	1°	1°
^a δ is the penetration depth for a plane-wave incident normally on a planar half-space. ^b This is the maximum spacing allowed, which might not work for all circumstances.		

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4.3. RF Exposure Conditions

Test Configuration and setting:

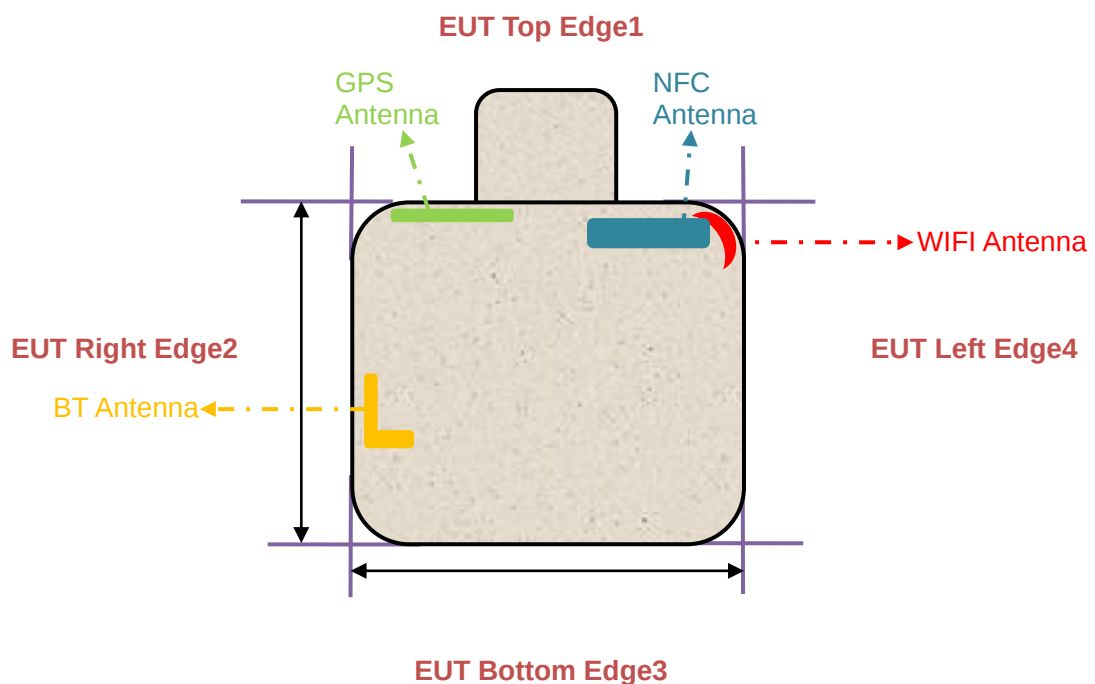
The device is a sport camera which support 2.4GHz & 5G WIFI, Bluetooth;

For SAR testing, the EUT is configured with the WLAN continuous TX tool through qualcomm software.

Due the BT power is less than exemption limit, SAR is not required.

WIFI and BT share the same antenna, and cannot transmit simultaneously.

Antenna Location: (the back view)



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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
2450 Head	71.88	0.16	0.0	7.99	0.0	19.97	0.0
5000 Head	65.52	0.0	0.0	0.0	0.0	17.24	17.24

5.2. Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEC/IEEE 62209-1528 have been incorporated in the following table. The body tissue dielectric parameters recommended by the IEC/IEEE 62209-1528 have been incorporated in the following table.

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
835	41.5	0.90	41.5	0.90
900	41.5	0.97	41.5	0.97
1450	40.5	1.20	40.5	1.20
1800 – 2000	40.0	1.40	40.0	1.40
2450	39.2	1.80	52.7	1.95
3000	38.5	2.40	38.5	2.40
5200	36.0	4.66	49.0	5.30
5300	35.9	4.76	48.9	5.42
5600	35.5	5.07	48.5	5.77
5800	35.3	5.27	48.2	6.00

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

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 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)				
	2437	40.13	1.75	21.3	52.3	21.2	Jun. 21, 2026
	2450	39.95	1.78				

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	36.22	4.68	21.8	50.8	21.4	Jun. 26, 2026
	5200	35.98	4.71				
	5240	35.76	4.73				

Tissue Stimulant Measurement for 5300MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		ϵ_r 35.9 (34.105-37.695)	δ [s/m]4.76 (4.522-4.998)				
	5260	36.17	4.91	21.8	50.8	21.4	Jun. 26, 2026
	5300	35.63	4.94				
	5320	35.22	4.96				

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Tissue Stimulant Measurement for 5600MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		$\epsilon_r 35.5$ (33.725-37.275)	$\delta[s/m] 5.07$ (4.8165-5.3235)				
	5500	36.71	5.20	21.4	49.6	21.3	Jun. 27, 2026
	5580	36.27	5.22				
	5600	36.19	5.24				
	5700	35.92	5.26				

Tissue Stimulant Measurement for 5800MHz							
Head	Fr. (MHz)	Dielectric Parameters ($\pm 5\%$)		Ambient Temp [°C]	Relative Humidity (%)	Tissue Temp [°C]	Test time
		$\epsilon_r 35.3$ (33.535-37.065)	$\delta[s/m] 5.27$ (5.0065-5.5335)				
	5745	36.07	5.25	21.4	49.6	21.3	Jun. 27, 2026
	5785	35.79	5.28				
	5800	35.65	5.31				
	5825	35.21	5.35				

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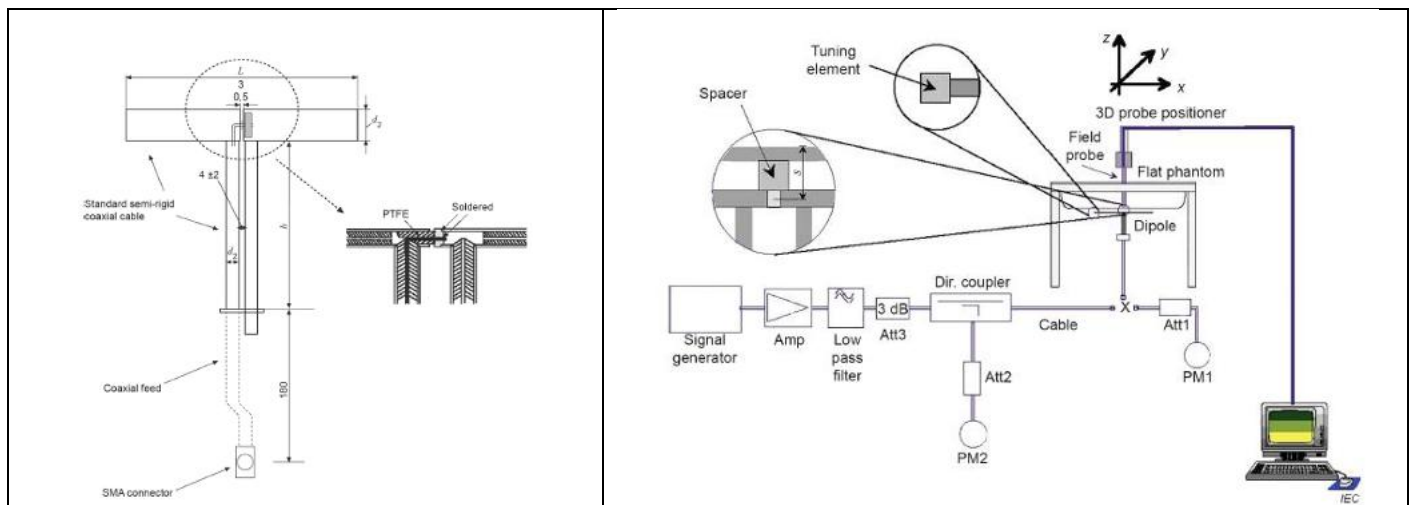
6. SAR SYSTEM CHECK PROCEDURE

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.

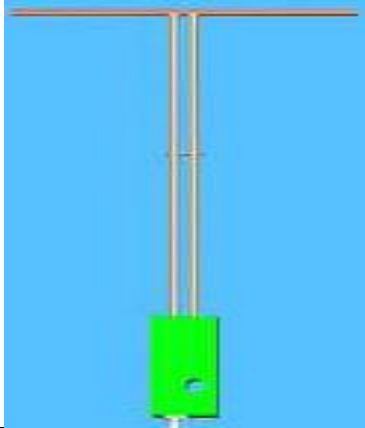
The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system check setup is shown as below.



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6.2. SAR System Check

6.2.1. Dipoles

	The dipoles are based on the IEC/IEEE 62209-1528 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 IEC/IEEE 62209-1528 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)
2450MHz	51.5	30.4	3.6
5000MHz	20.6	40.3	3.6

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6.2.2. System Check Result

System Performance Check at 2450MHz & 5200-5800MHz for Head							
Validation Kit: SN 2915 DIP 2G450-393 & SN 1722 DIP 5G000-671							
Frequency [MHz]	Target Value(W/kg)		Reference Result ($\pm 10\%$)		Normalized to 1W(W/kg)		Test time
	1g	10g	1g	10g	1g	10g	
2450	52.85	24.53	47.57-58.14	22.08-26.98	56.35	25.41	Jun. 21, 2026
5200	77.74	22.60	69.97-85.51	20.34-24.86	77.71	22.26	Jun. 26, 2026
5300	77.74	22.60	69.97-85.51	20.34-24.86	80.04	22.61	Jun. 26, 2026
5600	80.69	23.28	72.62-88.76	20.95-25.61	82.59	23.48	Jun. 27, 2026
5800	75.01	21.84	67.51-82.51	19.66-24.02	69.44	23.91	Jun. 27, 2026

Note:

(1) We use a CW signal of 18dBm (2450MHz)/10dBm (5200-5800MHz) for system check, and then all SAR values are normalized to 1W forward power. The result must be within $\pm 10\%$ of target value.

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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 (1 g 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	101 & 201, Building 19(B5), Junfeng Industrial Park, Chongqing Road, P.R.C.
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	2026-05-27	2027-05-26
AGC-HE-E016	Phantom	SATIMO	SN_4511_SAM90	N/A	Validated. No cal required.	Validated. No cal required.
AGC-HE-E005	Multimeter	Keithley 2000	1350784	N/A	2026-05-19	2027-05-18
AGC-HE-S001	SAR Software	SATIMO-OpenSAR	N/A	OpenSAR V4_02_32	N/A	N/A
AGC-HE-A061	Dipole	SATIMO SID2450	SN 2915 DIP 2G450-393	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	2026-05-19	2027-05-18
AGC-EM-E061	EXA Signal Analyzer	Agilent / N9010A	MY53470504	N/A	2026-05-20	2027-05-19
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	2026-01-13	2028-01-12
AGC-EM-E041	Directional Couple	Werlatone/ C6026-10	SN99482	N/A	2026-01-13	2028-01-12
AGC-BQ-E016	Power Sensor	NRP-Z21	104604	N/A	2026-05-19	2027-05-18
AGC-HE-E023	Power Sensor	NRP-Z23	100323	N/A	2026-01-13	2027-01-12
AGC-HE-S004	Power Viewer	R&S	V2.3.1.0		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 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	8.4.1.1	7.000	N	2	1	1	3.500	3.500	∞
Probe calibration drift	8.4.1.2	5.410	R	$\sqrt{3}$	1	1	3.123	3.123	∞
Probe linearity	8.4.1.3	0.770	R	$\sqrt{3}$	1	1	0.445	0.445	∞
System detection limit	8.4.1.3	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Broadband signal	8.4.1.4	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
Probe isotropy	8.4.1.5	0.125	R	$\sqrt{3}$	1	1	0.072	0.072	∞
Integration Time	8.4.1.6	1.400	N	1	1	1	1.400	1.400	∞
Response Time	8.4.1.6	0.000	N	1	1	1	0.000	0.000	∞
Boundary effect	8.4.1.6	1.000	N	1	1	1	1.000	1.000	∞
Readout Electronics	8.4.1.6	0.430	N	1	1	1	0.430	0.430	∞
RF ambient and noise	8.4.1.7	3.000	N	1	1	1	3.000	3.000	∞
Probe positioning errors-Mechanical tolerances of the probe positioner (directions parallel to phantom surface)	8.4.1.8	1.400	N	1	0.047	0.047	0.065	0.065	∞
Probe positioning errors-Probe positioning with respect to phantom shell surface	8.4.1.8	1.400	N	1	0.047	0.047	0.065	0.065	∞
Data processing errors	8.4.1.9	2.300	N	1	1	1	2.300	2.300	∞
Phantom and device (DUT) errors									
Measurement of phantom conductivity(σ)	8.4.2.1	4.000	N	1	0.78	0.71	3.120	2.840	∞
Liquid conductivity (temperature uncertainty)	8.4.2.2	2.500	R	$\sqrt{3}$	0.78	0.71	1.126	1.025	∞
Shell permittivity	8.4.2.3	5.000	R	$\sqrt{3}$	0.250	0.250	0.722	0.722	∞
Distance between the radiating element of the DUT and the phantom medium	8.4.2.4	0.260	N	1	2	2	0.520	0.520	∞
Repeatability of positioning the DUT or source against the phantom	8.4.2.5	2.600	N	1	1	1	2.600	2.600	∞
Device holder effects	8.4.2.6	3.000	N	1	1	1	3.000	3.000	∞
Effect of operating mode on probe sensitivity	8.4.2.7	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
Time-average SAR	8.4.2.8	5.000	R	$\sqrt{3}$	1	1	2.887	2.887	∞
Variation in SAR due to drift in output of DUT	8.4.2.9	5.000	N	1	1	1	5.000	5.000	∞
Corrections to the SAR result									
Phantom deviation from target (ϵ', σ)	8.4.3.1	1.900	N	1	1	1	1.900	1.900	∞
SAR scaling	8.4.3.2	5.000	R	$\sqrt{3}$	1	1	2.887	2.887	∞
Combined Standard Uncertainty			RSS				10.715	10.568	
Expanded Uncertainty (95% Confidence interval)			K=2				21.431	21.135	

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Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration	8.4.1.1	7.000	N	2	1	1	3.500	3.500	∞
Probe calibration drift	8.4.1.2	5.410	R	$\sqrt{3}$	1	1	3.123	3.123	∞
Probe linearity	8.4.1.3	0.770	R	$\sqrt{3}$	1	1	0.445	0.445	∞
System detection limit	8.4.1.3	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Broadband signal	8.4.1.4	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
Probe isotropy	8.4.1.5	0.125	R	$\sqrt{3}$	1	1	0.072	0.072	∞
Integration Time	8.4.1.6	1.400	N	1	1	1	1.400	1.400	∞
Response Time	8.4.1.6	0.000	N	1	1	1	0.000	0.000	∞
Boundary effect	8.4.1.6	1.000	N	1	1	1	1.000	1.000	∞
Readout Electronics	8.4.1.6	0.430	N	1	1	1	0.430	0.430	∞
RF ambient and noise	8.4.1.7	3.000	N	1	1	1	3.000	3.000	∞
Probe positioning errors-Mechanical tolerances of the probe positioner (directions parallel to phantom surface)	8.4.1.8	1.400	N	1	0.047	0.047	0.065	0.065	∞
Probe positioning errors-Probe positioning with respect to phantom shell surface	8.4.1.8	1.400	N	1	0.047	0.047	0.065	0.065	∞
Data processing errors	8.4.1.9	2.300	N	1	1	1	2.300	2.300	∞
Phantom and device (validation antenna) errors									
Measurement of phantom conductivity(σ)	8.4.2.1	4.000	N	1	0.78	0.71	3.120	2.840	∞
Liquid conductivity (temperature uncertainty)	8.4.2.2	2.500	R	$\sqrt{3}$	0.78	0.71	1.126	1.025	∞
Shell permittivity	8.4.2.3	5.000	R	$\sqrt{3}$	0.250	0.250	0.722	0.722	∞
Distance between the radiating element of the DUT and the phantom medium	8.4.2.4	0.260	N	1	2	2	0.520	0.520	∞
Repeatability of positioning the DUT or source against the phantom	8.4.2.5	2.600	N	1	1	1	2.600	2.600	∞
Device holder effects	8.4.2.6	3.000	N	1	1	1	3.000	3.000	∞
Effect of operating mode on probe sensitivity	8.4.2.7	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
Time-average SAR	8.4.2.8	5.000	R	$\sqrt{3}$	1	1	2.887	2.887	∞
Validation antenna Corrections to the SAR result uncertainty (validation measurement only)	8.4.2.1 0	5.000	N	1	1	1	5.000	5.000	∞
Uncertainty in accepted power (validation measurement only)	8.4.2.1 1	1.500	N	1	1	1	1.500	1.500	∞
Corrections to the SAR result									
Phantom deviation from target (ϵ', σ)	8.4.3.1	1.900	N	1	1	1	1.900	1.900	∞
SAR scaling	8.4.3.2	5.000	R	$\sqrt{3}$	1	1	2.887	2.887	∞
Combined Standard Uncertainty			RSS				10.820	10.673	
Expanded Uncertainty (95% Confidence interval)			K=2				21.640	21.347	

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12. CONDUCTED POWER MEASUREMENT

2.4GHz WIFI

Mode	Data Rate (Mbps)	Channel	Frequency(MHz)	Avg. Burst Power (dBm)
802.11b	1	01	2412	13.86
		06	2437	13.43
		11	2462	13.03
802.11g	6	01	2412	13.14
		06	2437	12.77
		11	2462	12.40
802.11n HT20	6.5	01	2412	12.08
		06	2437	12.22
		11	2462	11.98

Bluetooth_BLE

Modulation	Channel	Frequency(MHz)	Avg. Burst Power (dBm)
GFSK 1M	0	2402	0.282
	19	2440	-0.316
	39	2480	-0.467
GFSK 2M	0	2402	0.241
	19	2440	-0.317
	39	2480	-0.592

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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	13.13	12.93	12.89	12.79	12.75	12.64	12.59	12.40
	40	5200	12.91	12.77	12.62	12.47	12.45	12.27	12.16	12.03
	48	5240	12.77	12.59	12.57	12.42	12.23	12.07	11.95	11.93
	52	5260	13.11	12.95	12.91	12.79	12.74	12.56	12.54	12.34
	60	5300	12.76	12.64	12.60	12.42	12.42	12.24	12.16	12.09
	64	5320	12.51	12.37	12.34	12.23	12.12	11.94	11.87	11.79
	100	5500	12.75	12.55	12.48	12.44	12.25	12.24	12.18	12.00
	116	5580	13.42	13.26	13.10	13.02	13.01	12.90	12.87	12.68
	140	5700	13.48	13.47	13.45	13.36	13.16	13.12	12.98	12.83
	149	5745	13.02	12.94	12.86	12.69	12.51	12.42	12.31	12.17
	157	5785	12.92	12.82	12.66	12.49	12.34	12.17	12.16	11.97
	165	5825	12.57	12.43	12.23	12.20	12.05	11.93	11.88	11.84
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (20)	36	5180	11.57	11.42	11.35	11.26	11.26	11.10	10.98	10.87
	40	5200	11.45	11.31	11.23	11.07	11.05	11.01	10.97	10.92
	48	5240	11.33	11.26	11.11	10.92	10.91	10.71	10.63	10.56
	52	5260	11.60	11.58	11.40	11.29	11.15	10.96	10.85	10.73
	60	5300	11.40	11.25	11.20	11.14	11.09	10.95	10.94	10.79
	64	5320	11.14	11.13	11.06	10.99	10.99	10.90	10.74	10.71
	100	5500	11.10	11.02	10.95	10.90	10.75	10.63	10.48	10.36
	116	5580	11.79	11.69	11.64	11.56	11.51	11.47	11.35	11.20
	140	5700	12.13	11.97	11.85	11.76	11.74	11.72	11.64	11.57
	149	5745	11.55	11.49	11.30	11.23	11.23	11.17	11.09	11.05
	157	5785	11.31	11.12	11.07	10.98	10.90	10.77	10.67	10.58
	165	5825	11.04	10.91	10.79	10.63	10.43	10.42	10.29	10.23
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (40)	38	5190	11.40	11.38	11.23	11.14	11.04	10.94	10.76	10.63
	46	5230	11.16	11.13	11.03	10.89	10.88	10.80	10.61	10.48
	54	5270	11.49	11.48	11.38	11.35	11.23	11.05	10.90	10.88
	62	5310	11.10	11.06	10.97	10.97	10.83	10.75	10.56	10.45
	102	5510	11.33	11.14	11.13	11.10	10.98	10.95	10.92	10.72
	110	5550	11.99	11.95	11.84	11.76	11.75	11.66	11.61	11.50
	134	5670	12.04	12.04	12.00	11.84	11.74	11.67	11.55	11.39
	151	5755	11.74	11.73	11.54	11.54	11.52	11.48	11.41	11.36
	159	5795	11.55	11.40	11.23	11.20	11.18	11.12	11.03	10.86

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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/

Mode	channel	Frequency	Power(dBm)							
			Data Rate(bps)							
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (20)	36	5180	11.62	11.49	11.44	11.28	11.18	11.13	11.10	11.03
	40	5200	11.49	11.32	11.13	10.96	10.94	10.89	10.85	10.74
	48	5240	11.19	11.16	11.05	10.94	10.82	10.71	10.67	10.55
	52	5260	11.66	11.64	11.59	11.48	11.37	11.28	11.24	11.22
	60	5300	11.30	11.24	11.20	11.16	11.10	11.07	10.89	10.87
	64	5320	11.14	10.98	10.92	10.90	10.72	10.65	10.54	10.46
	100	5500	11.17	11.11	10.96	10.95	10.85	10.80	10.74	10.69
	116	5580	12.07	12.02	11.91	11.80	11.80	11.67	11.60	11.56
	140	5700	12.16	11.97	11.89	11.72	11.62	11.61	11.56	11.52
	149	5745	11.69	11.57	11.43	11.32	11.14	11.09	10.93	10.74
	157	5785	11.42	11.36	11.26	11.08	10.94	10.93	10.75	10.74
	165	5825	11.05	10.91	10.75	10.68	10.60	10.45	10.41	10.28
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (40)	38	5190	11.39	11.36	11.29	11.12	11.07	10.94	10.75	10.68
	46	5230	11.19	11.01	10.96	10.76	10.62	10.54	10.45	10.37
	54	5270	11.50	11.38	11.25	11.19	11.07	11.00	10.92	10.74
	62	5310	11.13	11.09	11.02	11.01	10.89	10.87	10.82	10.72
	102	5510	11.35	11.30	11.15	11.11	11.01	10.97	10.85	10.67
	110	5550	12.01	11.86	11.74	11.74	11.55	11.37	11.33	11.31
	134	5670	12.02	11.93	11.75	11.74	11.67	11.56	11.51	11.32
	151	5755	11.65	11.52	11.50	11.40	11.28	11.11	10.95	10.94
	159	5795	11.32	11.24	11.10	11.01	10.92	10.90	10.90	10.87
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (80)	42	5210	9.41	9.21	9.19	9.00	8.85	8.72	8.59	8.42
	58	5290	9.62	9.57	9.42	9.41	9.34	9.19	9.19	9.05
	106	5530	9.21	9.11	8.94	8.77	8.66	8.51	8.43	8.43
	138	5690	9.72	9.59	9.44	9.31	9.26	9.20	9.09	8.91
	155	5775	9.49	9.45	9.36	9.21	9.06	9.01	8.90	8.70

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13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

1. The EUT is a sport camera.
2. Lab uses the head liquid with a separation of 0mm at flat phantom to test;
3. For SAR testing, the device was controlled by software to test at reference fixed frequency points.

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. Per KDB 248227 D01 v02r02 Chapter 5.2.2,when SAR measurement is required for 2.4GHz 802.11g/n OFDM configurations, the measurement and test reducing procedures for OFDM are applied. SAR is not required for the following 2.4 GHz OFDM conditions.
 - (1) When KDB Publication 447498 D01 SAR test exclusion applies to the OFDM configuration.
 - (2) 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,
4. 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

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maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.

- (3) When the specified maximum output power is same for both UNII 1 and UNII 2A, begin SAR measurements in UNII 2A with the channel with the highest measured output power. If the report SAR for UNII 2A is < 1.2 W/kg, SAR is not required for UNII 1; otherwise treat the remaining bands separately and test them independently for SAR.
 - (4) When the specified maximum output power is different between UNII 1 and UNII 2A, begin SAR with the band that has the higher specified maximum output. If the highest reported SAR for the band with the highest specified power is ≤ 1.2 W/kg, testing for the band with the lower specified output power is not required; otherwise test is remaining separately for SAR;
5. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:
Maximum Scaling SAR = tested SAR (Max.) $\times$ [maximum turn-up power (mW) / maximum measurement output power (mW)]

13.1.3. SAR Test Results Summary

SAR MEASUREMENT										
Depth of Liquid (cm):>15										
Product: Body Worn Camera										
Test Mode: 2.4GHz 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	6	2437	-0.28	0.084	14.00	13.43	1.140	0.096	1.6
Body front	DTS	6	2437	-0.61	0.142	14.00	13.43	1.140	0.162	1.6
Edge 1 (Top)	DTS	6	2437	0.32	0.079	14.00	13.43	1.140	0.090	1.6
Edge 2 (Right)	DTS	6	2437	-0.04	0.061	14.00	13.43	1.140	0.070	1.6
Edge 3 (Bottom)	DTS	6	2437	-0.27	0.060	14.00	13.43	1.140	0.068	1.6
Edge 4 (Left)	DTS	6	2437	0.40	0.260	14.00	13.43	1.140	0.296	1.6

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SAR MEASUREMENT									
Depth of Liquid (cm):>15									
Product: Body Worn Camera									
Test Mode: 5.2GHz 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	40	5200	-0.27	0.054	13.20	12.91	1.069	0.058	1.6
Body front	40	5200	0.61	0.421	13.20	12.91	1.069	0.450	1.6
Edge 1 (Top)	40	5200	-0.38	0.074	13.20	12.91	1.069	0.079	1.6
Edge 2 (Right)	40	5200	-0.29	0.094	13.20	12.91	1.069	0.100	1.6
Edge 3 (Bottom)	40	5200	-0.61	0.036	13.20	12.91	1.069	0.038	1.6
Edge 4 (Left)	36	5180	0.17	0.943	13.20	13.13	1.016	0.958	1.6
Edge 4 (Left)	40	5200	1.06	1.060	13.20	12.91	1.069	1.133	1.6
Edge 4 (Left)	48	5240	-0.13	0.958	13.20	12.77	1.104	1.058	1.6

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SAR MEASUREMENT									
Depth of Liquid (cm):>15									
Product: Body Worn Camera									
Test Mode: 5.3GHz 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	60	5300	-0.45	0.059	13.20	12.76	1.107	0.065	1.6
Body front	60	5300	0.24	0.487	13.20	12.76	1.107	0.539	1.6
Edge 1 (Top)	60	5300	-0.30	0.106	13.20	12.76	1.107	0.117	1.6
Edge 2 (Right)	60	5300	-0.97	0.115	13.20	12.76	1.107	0.127	1.6
Edge 3 (Bottom)	60	5300	-0.63	0.032	13.20	12.76	1.107	0.035	1.6
Edge 4 (Left)	52	5260	0.06	1.103	13.20	13.11	1.021	1.126	1.6
Edge 4 (Left)	60	5300	-0.38	1.105	13.20	12.76	1.107	1.223	1.6
Edge 4 (Left)	64	5320	0.31	1.135	13.20	12.51	1.172	1.330	1.6

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SAR MEASUREMENT									
Depth of Liquid (cm):>15									
Product: Body Worn Camera									
Test Mode: 5.6GHz 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	116	5580	-1.01	0.073	13.50	13.42	1.019	0.074	1.6
Body front	116	5580	-0.79	0.398	13.50	13.42	1.019	0.405	1.6
Edge 1 (Top)	116	5580	0.68	0.117	13.50	13.42	1.019	0.119	1.6
Edge 2 (Right)	116	5580	-0.69	0.128	13.50	13.42	1.019	0.130	1.6
Edge 3 (Bottom)	116	5580	-0.88	0.027	13.50	13.42	1.019	0.028	1.6
Edge 4 (Left)	100	5500	0.67	0.867	13.50	12.75	1.189	1.030	1.6
Edge 4 (Left)	116	5580	-0.50	1.063	13.50	13.42	1.019	1.083	1.6
Edge 4 (Left)	140	5700	0.43	0.885	13.50	13.48	1.005	0.889	1.6

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SAR MEASUREMENT									
Depth of Liquid (cm):>15									
Product: Body Worn Camera									
Test Mode: 5.8GHz 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	157	5785	-0.27	0.101	13.10	12.92	1.042	0.105	1.6
Body front	157	5785	0.69	0.429	13.10	12.92	1.042	0.447	1.6
Edge 1 (Top)	157	5785	-0.38	0.148	13.10	12.92	1.042	0.154	1.6
Edge 2 (Right)	157	5785	-0.72	0.110	13.10	12.92	1.042	0.115	1.6
Edge 3 (Bottom)	157	5785	-0.76	0.055	13.10	12.92	1.042	0.057	1.6
Edge 4 (Left)	149	5745	0.34	0.905	13.10	13.02	1.019	0.922	1.6
Edge 4 (Left)	157	5785	-0.20	0.903	13.10	12.92	1.042	0.941	1.6
Edge 4 (Left)	165	5825	0.33	0.959	13.10	12.57	1.130	1.083	1.6

Note:

- When the 1-g SAR is $\leq 0.8\text{W/kg}$, testing for low and high channel is optional.
- The test separation of all above table is 0mm.
- Plots are only shown for the bold marked worst case SAR results

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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/

Repeated SAR									
Product: Body Worn Camera									
Test Mode: 5.2GHz 802.11a & 5.8GHz 802.11a									
Position	Ch.	Fr. (MHz)	Power Drift ($\leq \pm 5\%$)	Once SAR (1g) (W/kg)	Power Drift ($\leq \pm 5\%$)	Twice SAR (1g) (W/kg)	Power Drift ($\leq \pm 5\%$)	Third SAR (1g) (W/kg)	Limit W/kg
Edge 4 (Left)	40	5200	0.28	0.945	--	--	--	--	1.6
Edge 4 (Left)	64	5320	0.37	1.128	--	--	--	--	1.6
Edge 4 (Left)	116	5580	-0.42	0.948	--	--	--	--	1.6
Edge 4 (Left)	165	5825	0.15	0.910	--	--	--	--	1.6

The second repeated SAR judge reference							
Product: Body Worn Camera							
Band	Position	Ch.	Fr. (MHz)	Original SAR (1g) (W/kg)	First SAR (1g) (W/kg)	Ratio	Limit
5.2GHz 802.11a	Edge 4 (Left)	40	5200	1.060	0.945	1.122	<1.2
5.3GHz 802.11a	Edge 4 (Left)	64	5320	1.135	1.128	1.006	<1.2
5.6GHz 802.11a	Edge 4 (Left)	116	5580	1.063	0.948	1.121	<1.2
5.8GHz 802.11a	Edge 4 (Left)	165	5825	0.959	0.910	1.054	<1.2

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Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

NO	Simultaneous state	Portable Handset			Note
		Head	Body-worn	Hotspot	
1	Bluetooth(data)+WLAN 2.4GHz (data)	-	Yes	-	-

NOTE:

- WLAN and BT with different antenna.
- For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
- Based upon KDB 447498 D01, BT SAR is excluded as below table.
- Based upon KDB 447498 D01, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user; which is 0mm for head SAR AND 5mm for body-worn SAR.
- 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.
- If the test separation distance is < 5 mm, 5mm is used for excluded SAR calculation.
- According to KDB 447498 D01 4.3.2, simultaneous transmission SAR test exclusion is as follow:
 - 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.
 - Any transmitters and antennas should be considered when calculating simultaneous mode.
 - 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
 - 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 ≤ 50 mm;
where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.
- 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 $(\text{SAR}_1 + \text{SAR}_2)1.5/R_i$, 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.

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Estimated SAR		Max Power including Tune-up Tolerance		Separation Distance (mm)	Estimated SAR (W/kg)
		dBm	mW		
BT	Body	0.5	1.122	0	0.046

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Sum of the SAR for Wi-Fi & BT:

RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario		Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		2.4GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.096	0.046	0.142	No
	Front	0.162	0.046	0.208	No
	Edge 1	0.090	0.046	0.136	No
	Edge 2	0.070	0.046	0.116	No
	Edge 3	0.068	0.046	0.114	No
	Edge 4	0.296	0.046	0.342	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario		Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		5.2GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.058	0.046	0.104	No
	Front	0.450	0.046	0.496	No
	Edge 1	0.079	0.046	0.125	No
	Edge 2	0.100	0.046	0.146	No
	Edge 3	0.038	0.046	0.084	No
	Edge 4	1.133	0.046	1.179	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario		Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		5.3GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.065	0.046	0.111	No
	Front	0.539	0.046	0.585	No
	Edge 1	0.117	0.046	0.163	No
	Edge 2	0.127	0.046	0.173	No
	Edge 3	0.035	0.046	0.081	No
	Edge 4	1.330	0.046	1.376	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario		Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		5.6GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.074	0.046	0.120	No
	Front	0.405	0.046	0.451	No
	Edge 1	0.119	0.046	0.165	No
	Edge 2	0.130	0.046	0.176	No
	Edge 3	0.028	0.046	0.074	No
	Edge 4	1.083	0.046	1.129	No
RF Exposure Conditions	Test Position	Simultaneous Transmission Scenario		Σ 1-g SAR (W/kg)	SPLSR (Yes/No)
		5.8GHz Wi-Fi DTS Band	Bluetooth		
Body-worn	Rear	0.105	0.046	0.151	No
	Front	0.447	0.046	0.493	No
	Edge 1	0.154	0.046	0.200	No
	Edge 2	0.115	0.046	0.161	No
	Edge 3	0.057	0.046	0.103	No
	Edge 4	1.083	0.046	1.129	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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APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab

Date: Jun. 21, 2026

System Check Head 2450 MHz

DUT: Dipole 2450 MHz Type: SID 2450

Communication System: CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1; Conv.F=2.38

Frequency: 2450 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.78$ mho/m; $\epsilon_r = 39.95$; $\rho = 1000$ kg/m³ ;

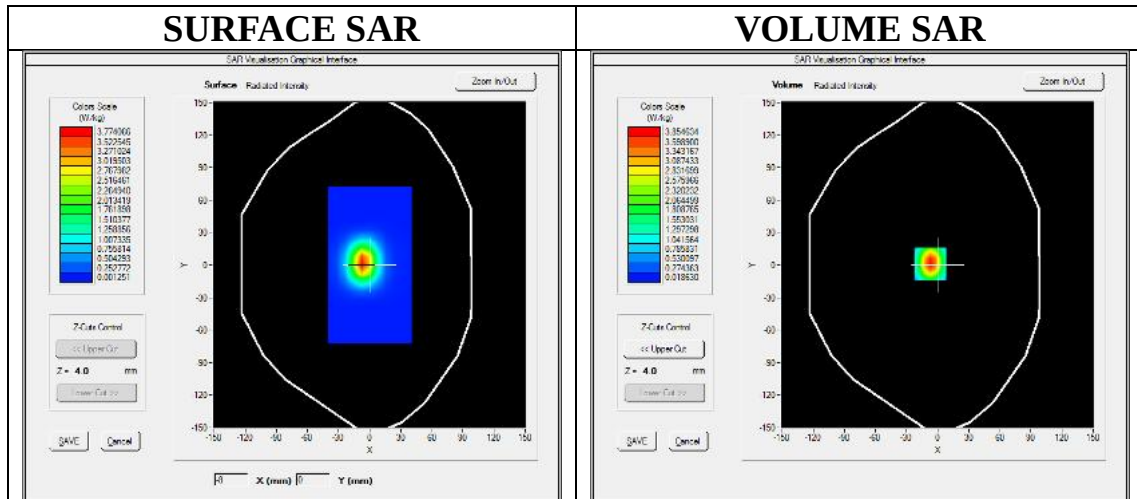
Phantom section: Flat Section; Input Power=18dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

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

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



Maximum location: X=-7.00, Y=1.00

SAR Peak: 6.58 W/kg

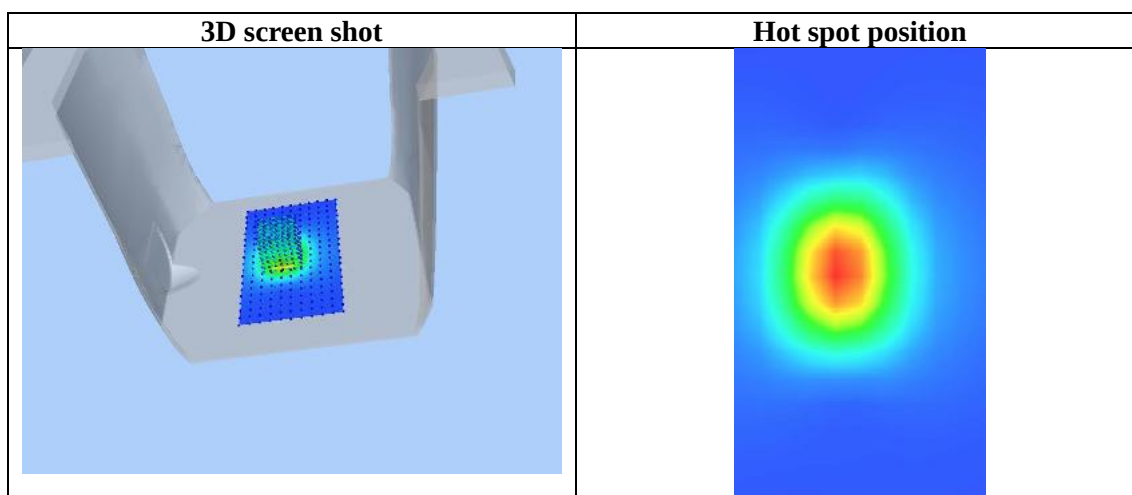
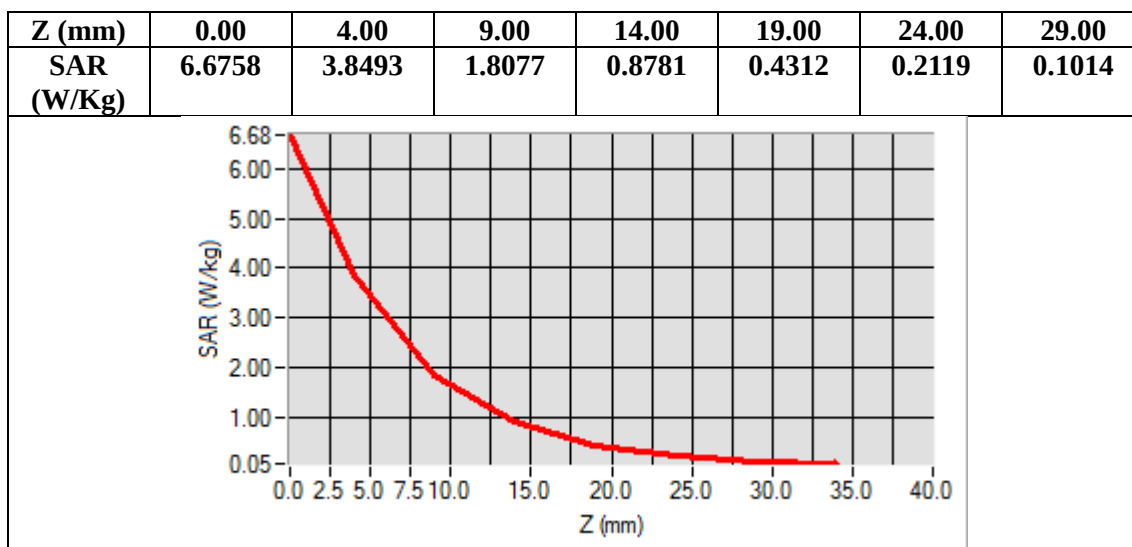
SAR 10g (W/Kg)	1.603398
SAR 1g (W/Kg)	3.555317

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Test Laboratory: AGC Lab
System Check Head 5200 MHz
DUT: Dipole 5000MHz Type: SID5000

Date: Jun. 26, 2026

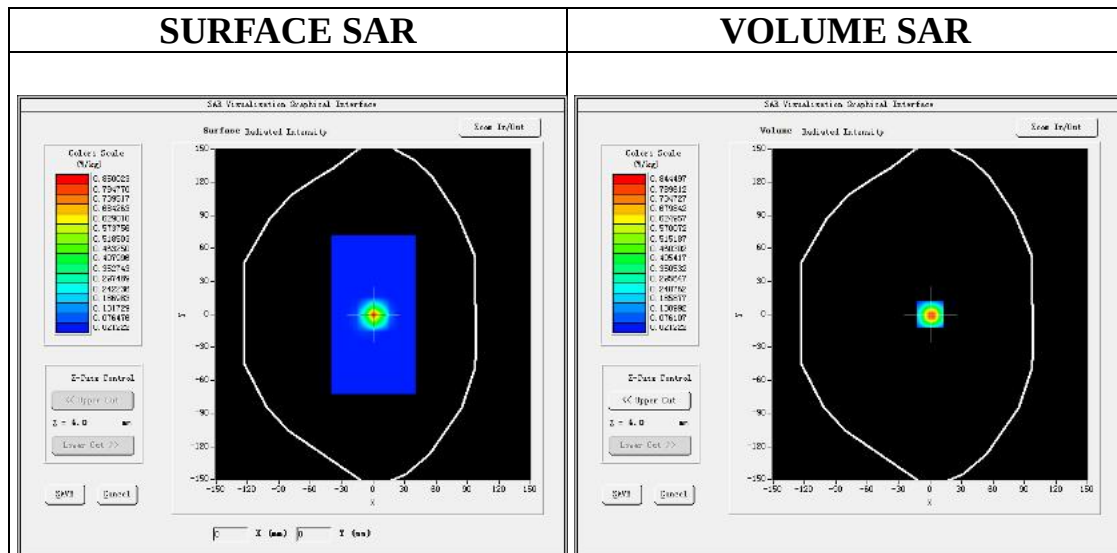
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.64
Frequency: 5200 MHz; Medium parameters used: $f = 5250$ MHz; $\sigma = 4.71$ mho/m; $\epsilon_r = 35.98$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

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

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



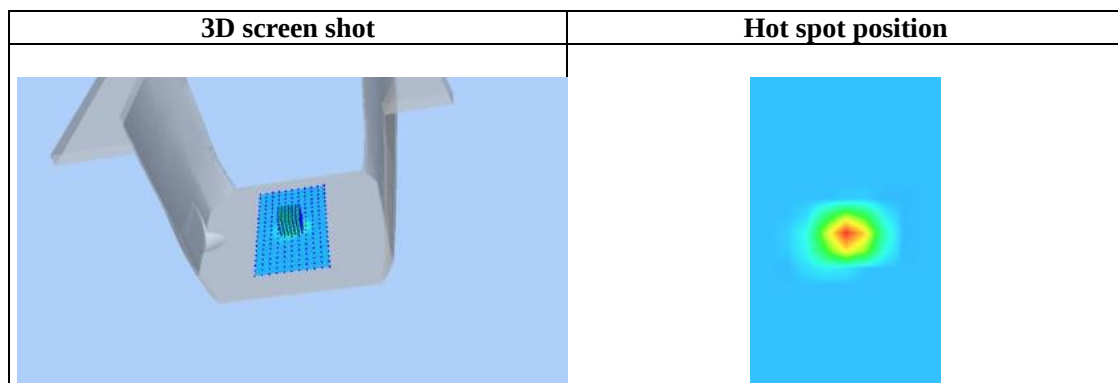
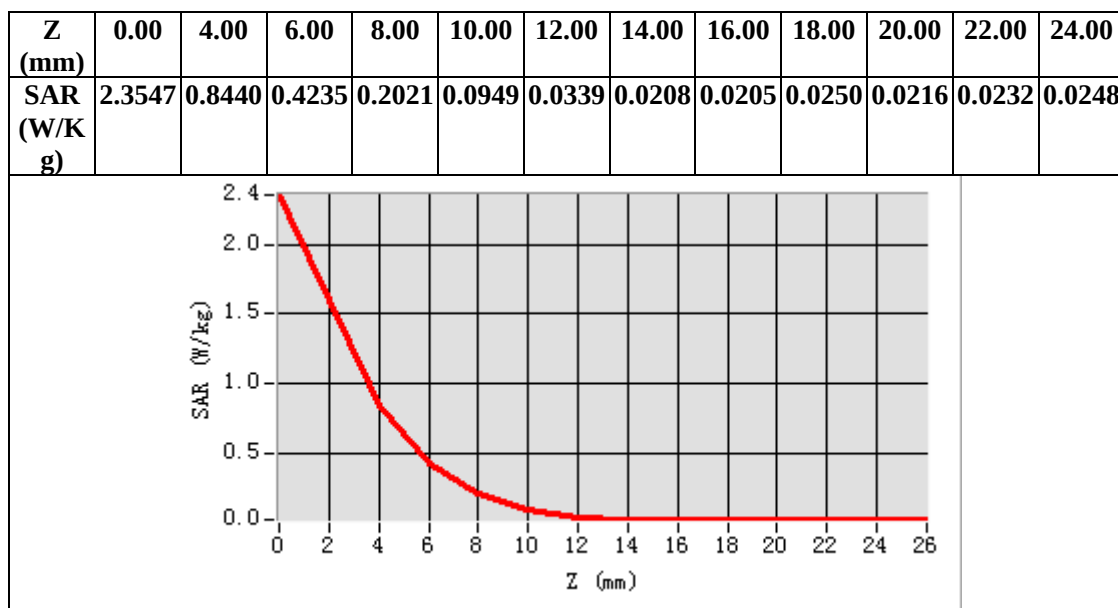
Maximum location: X=0.00, Y=0.00

SAR Peak: 2.35 W/kg

SAR 10g (W/Kg)	0.222604
SAR 1g (W/Kg)	0.777128

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

Date: Jun. 26, 2026

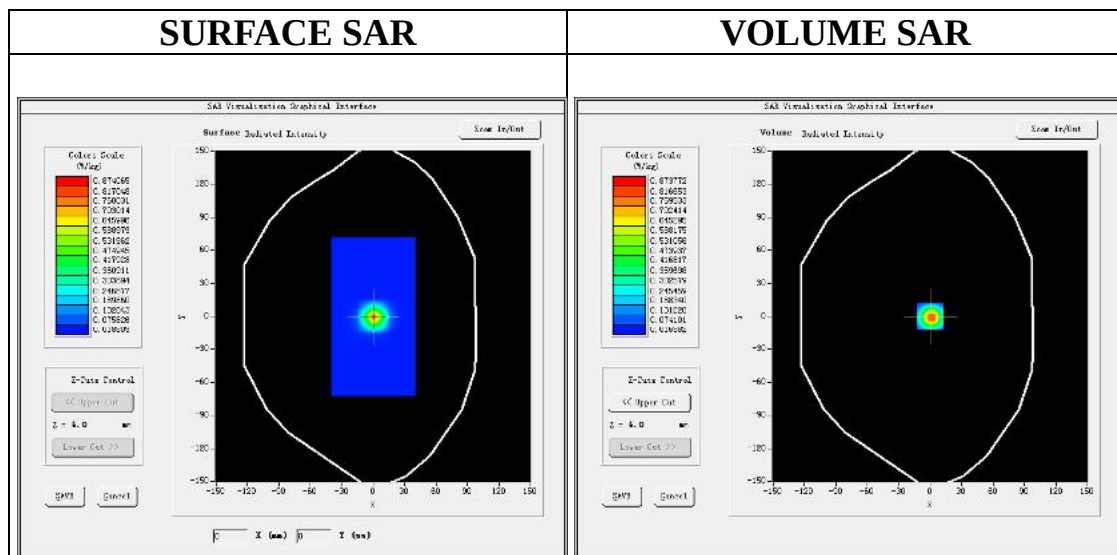
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.64
Frequency: 5300 MHz; Medium parameters used: $f = 5250$ MHz; $\sigma = 4.94$ mho/m; $\epsilon_r = 35.63$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

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

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



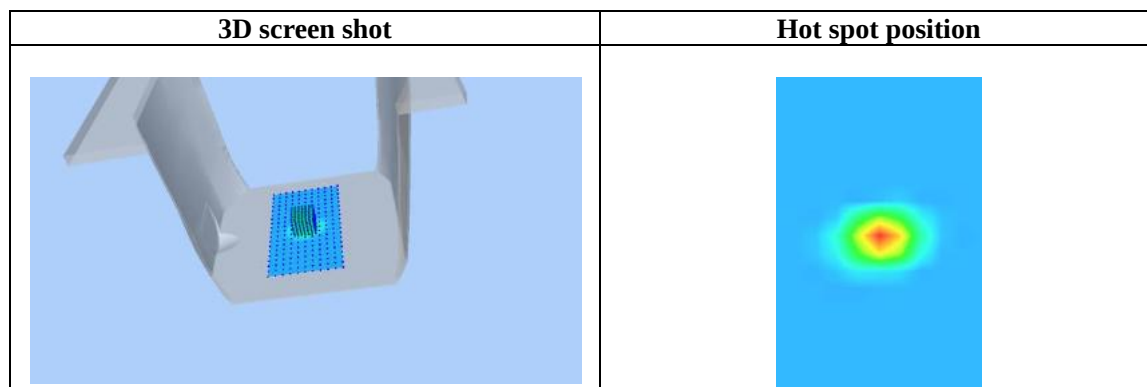
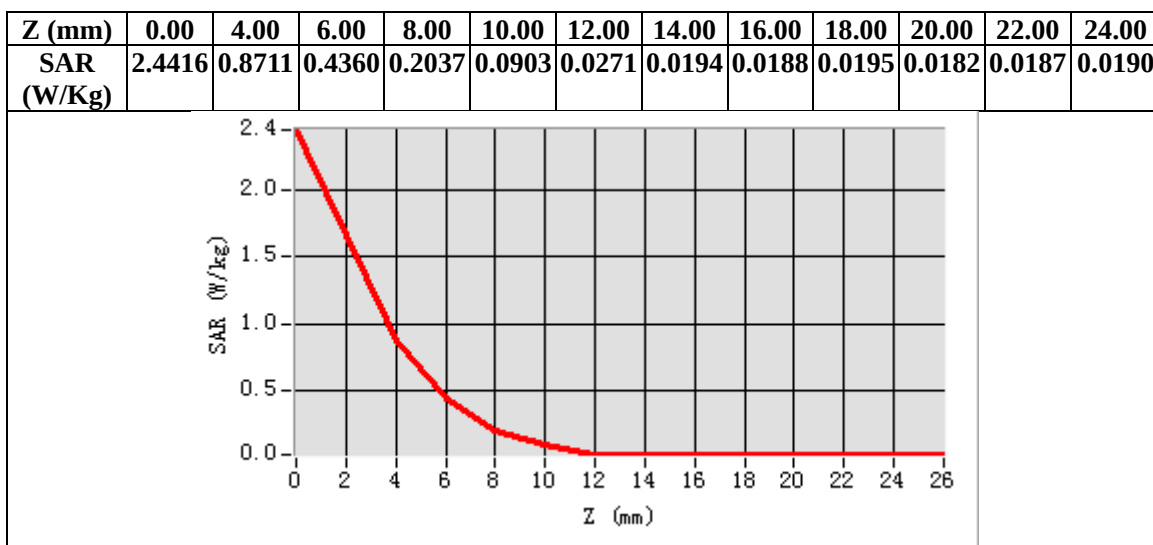
Maximum location: X=0.00, Y=0.00

SAR Peak: 2.40 W/kg

SAR 10g (W/Kg)	0.226128
SAR 1g (W/Kg)	0.800415

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

Date: Jun. 27, 2026

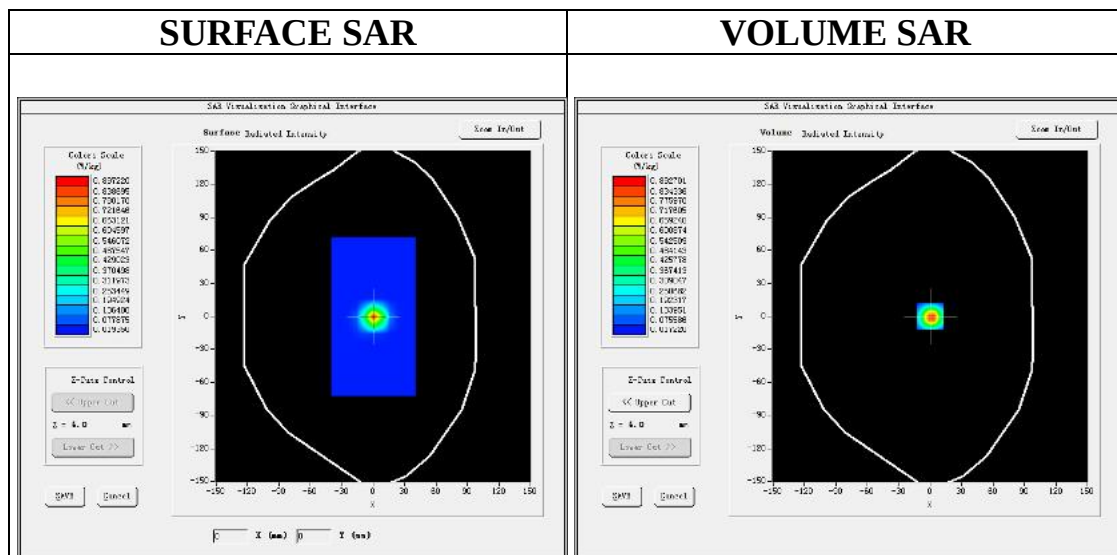
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.50
Frequency: 5600 MHz; Medium parameters used: $f = 5600$ MHz; $\sigma = 5.24$ mho/m; $\epsilon_r = 36.19$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

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

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



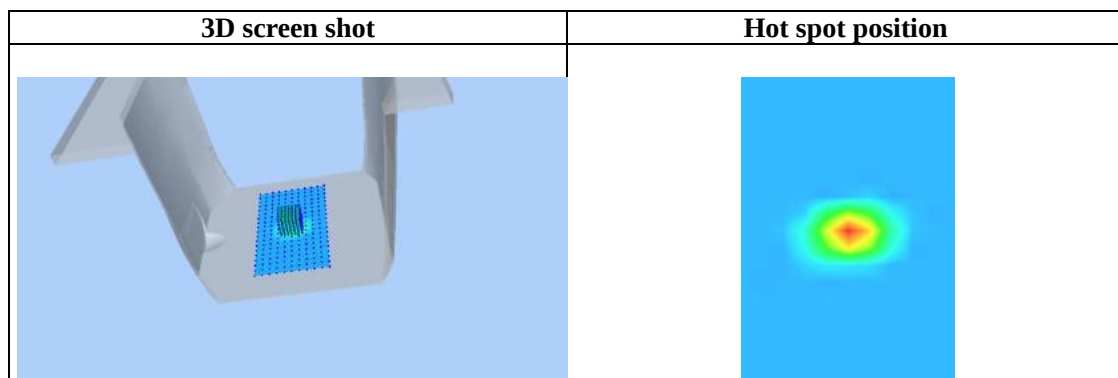
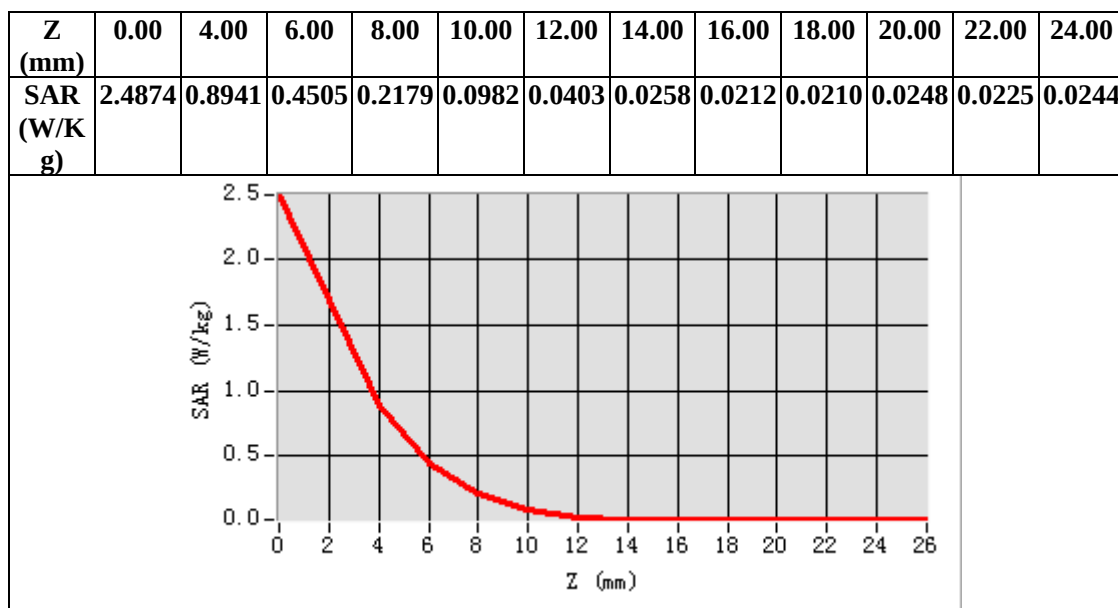
Maximum location: X=0.00, Y=0.00

SAR Peak: 2.47 W/kg

SAR 10g (W/Kg)	0.234779
SAR 1g (W/Kg)	0.825906

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

Date: Jun. 27, 2026

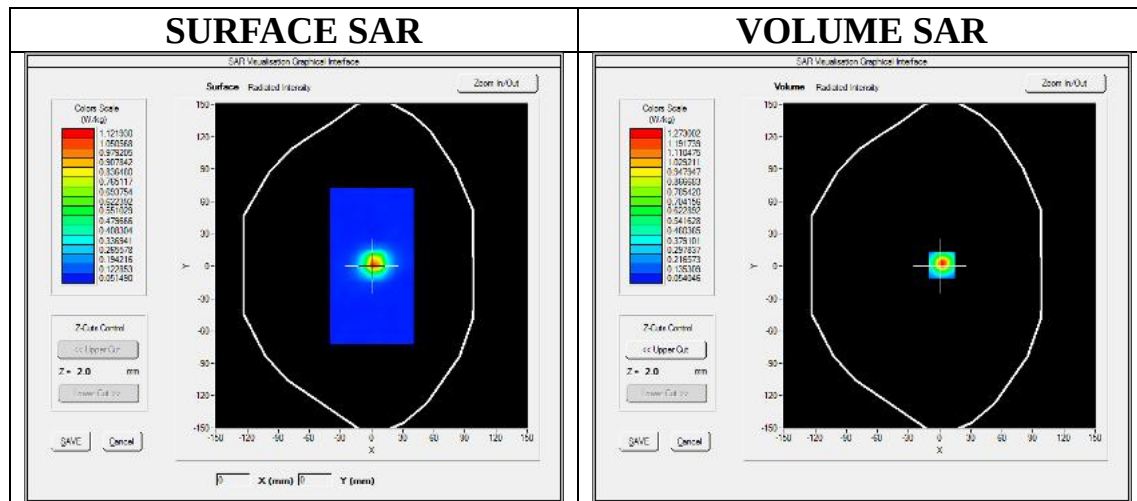
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.49
Frequency: 5800 MHz; Medium parameters used: $f = 5750$ MHz; $\sigma = 5.31$ mho/m; $\epsilon_r = 35.65$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

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

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



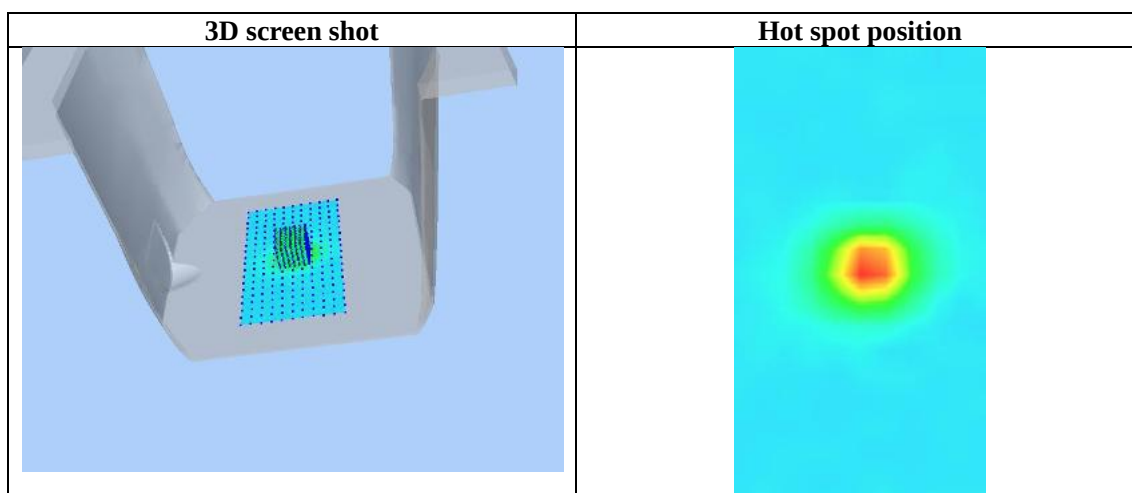
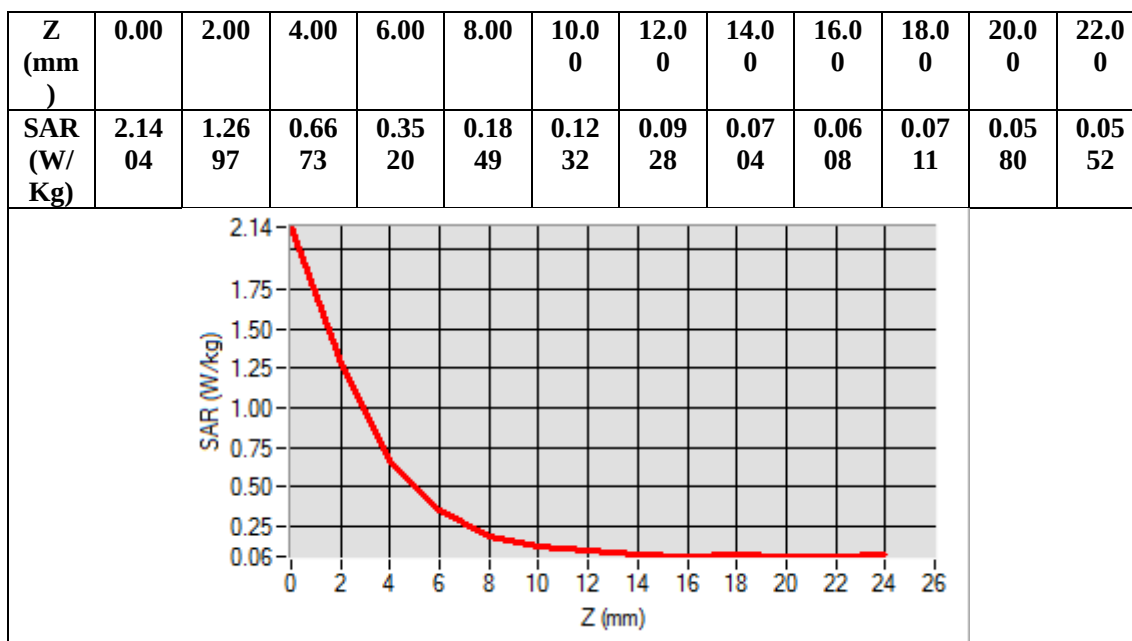
Maximum location: X=2.00, Y=1.00

SAR Peak: 2.32 W/kg

SAR 10g (W/Kg)	0.239126
SAR 1g (W/Kg)	0.694409

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APPENDIX B. SAR MEASUREMENT DATA

2.4GHz 802.11b

Test Laboratory: AGC Lab

802.11b Mid- Edge 4 (Left)

DUT: Body Worn Camera; Type: R2

Date: Jun. 21, 2026

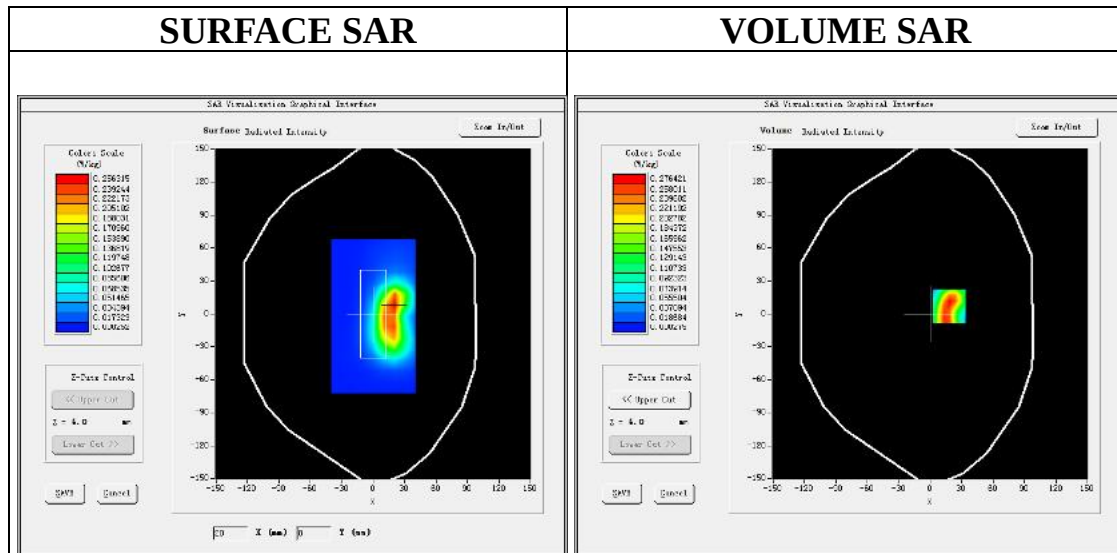
Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=2.38;
Frequency: 2437 MHz; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.75\text{mho/m}$; $\epsilon_r = 40.13$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/802.11b Mid- Edge 4 (Left) /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11b Mid- Edge 4 (Left) /Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

Area Scan	surf_sam_plan.txt, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Edge 4 (Left)
Band	2450MHz
Channels	Middle
Signal	Crest factor: 1.0



Maximum location: X=18.00, Y=7.00

SAR Peak: 0.51 W/kg

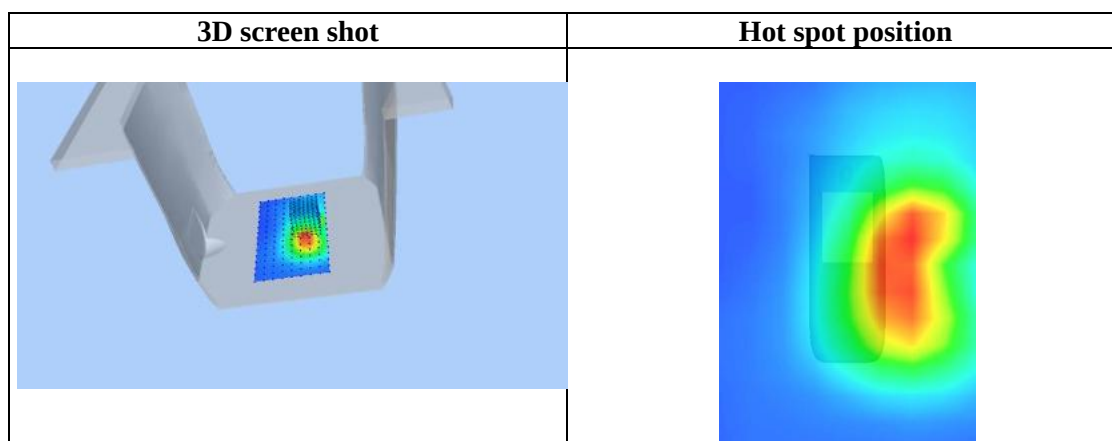
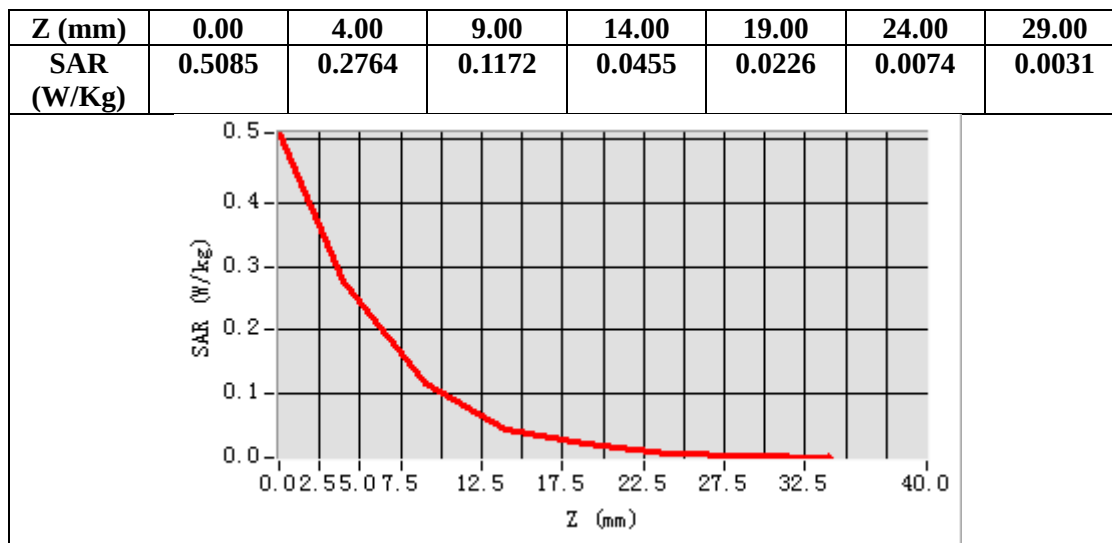
SAR 10g (W/Kg)	0.114975
SAR 1g (W/Kg)	0.260362

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5.2GHz 802.11a

Test Laboratory: AGC Lab

802.11a CH40-Edge 4 (Left)

DUT: Body Worn Camera; Type: R2

Date: Jun. 26, 2026

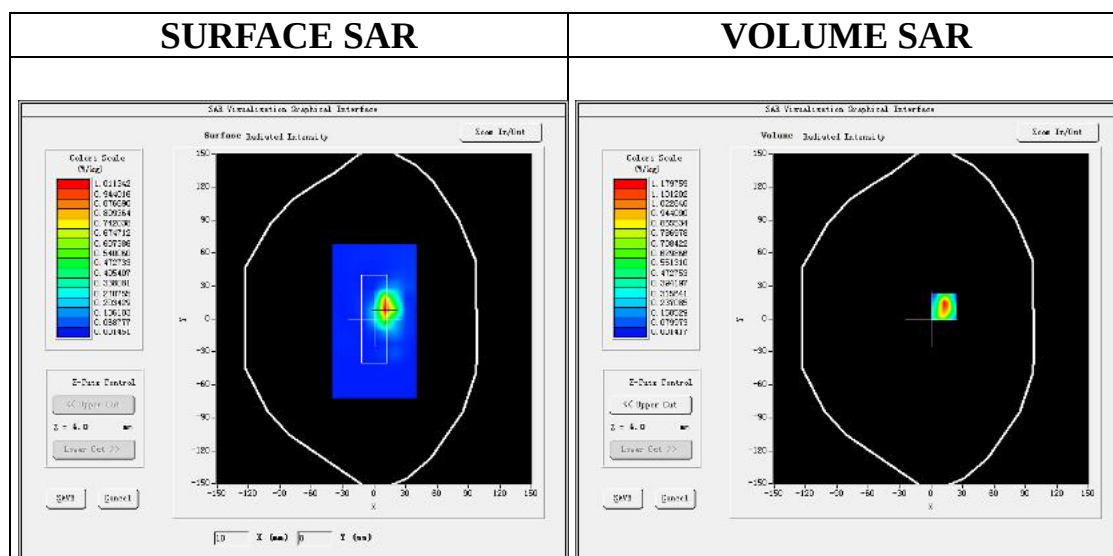
Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.64;
Frequency: 5200MHz; Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 4.71 \text{ mho/m}$; $\epsilon_r = 35.98$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/802.11a CH40- Edge 4 (Left) /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH40- Edge 4 (Left) /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Edge 4 (Left)
Band	5200MHz
Channels	CH40
Signal	Crest factor: 1.0



Maximum location: X=12.00, Y=11.00

SAR Peak: 3.32 W/kg

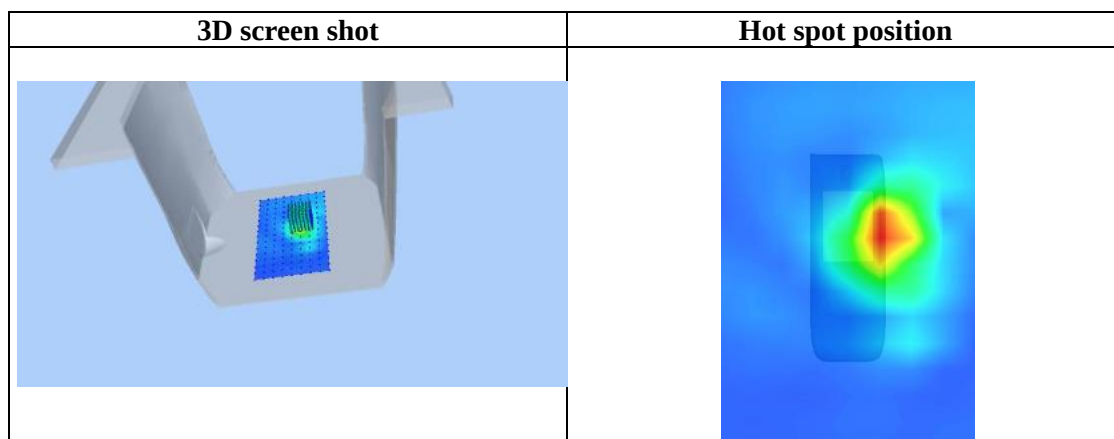
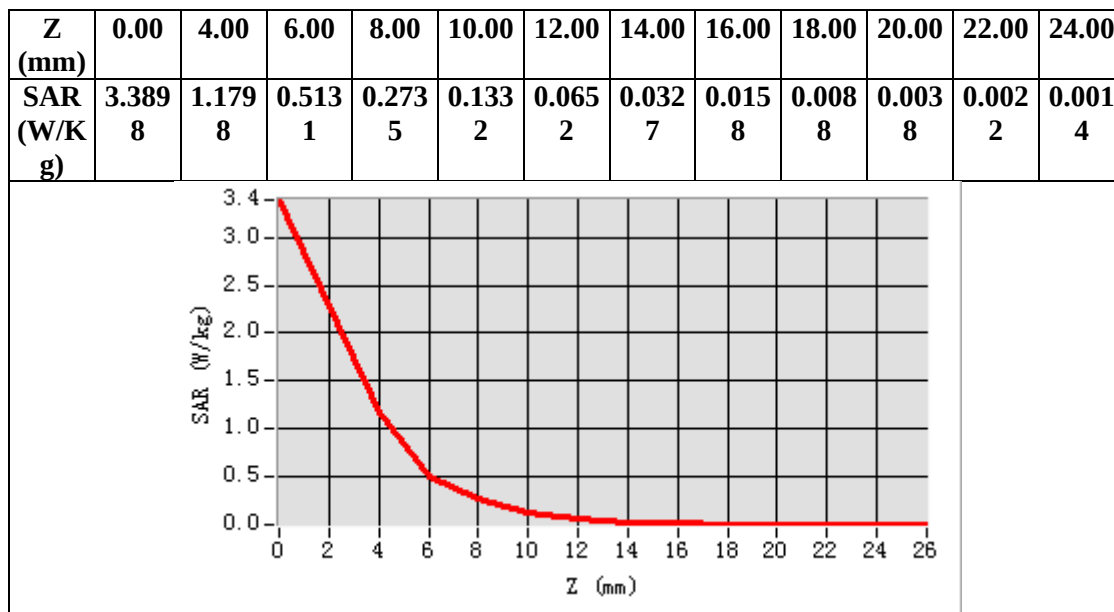
SAR 10g (W/Kg)	0.314038
SAR 1g (W/Kg)	1.059546

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5.3GHz 802.11a

Test Laboratory: AGC Lab

802.11a CH64-Edge 4 (Left)

DUT: Body Worn Camera; Type: R2

Date: Jun. 26, 2026

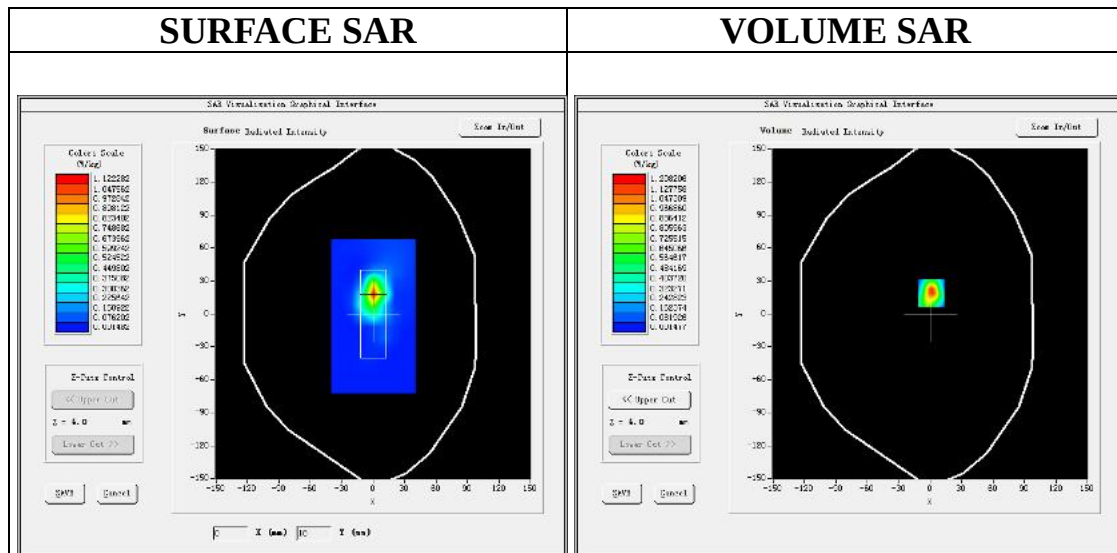
Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.64;
Frequency: 5320MHz; Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 4.96 \text{ mho/m}$; $\epsilon_r = 35.22$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/802.11a CH64- Edge 4 (Left) /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH64- Edge 4 (Left) /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Edge 4 (Left)
Band	5300MHz
Channels	CH64
Signal	Crest factor: 1.0



Maximum location: X=1.00, Y=19.00

SAR Peak: 3.40 W/kg

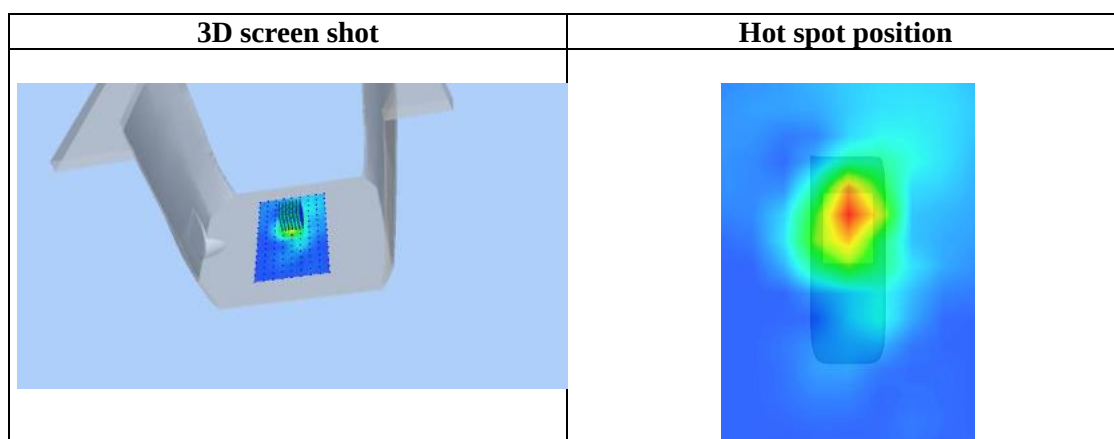
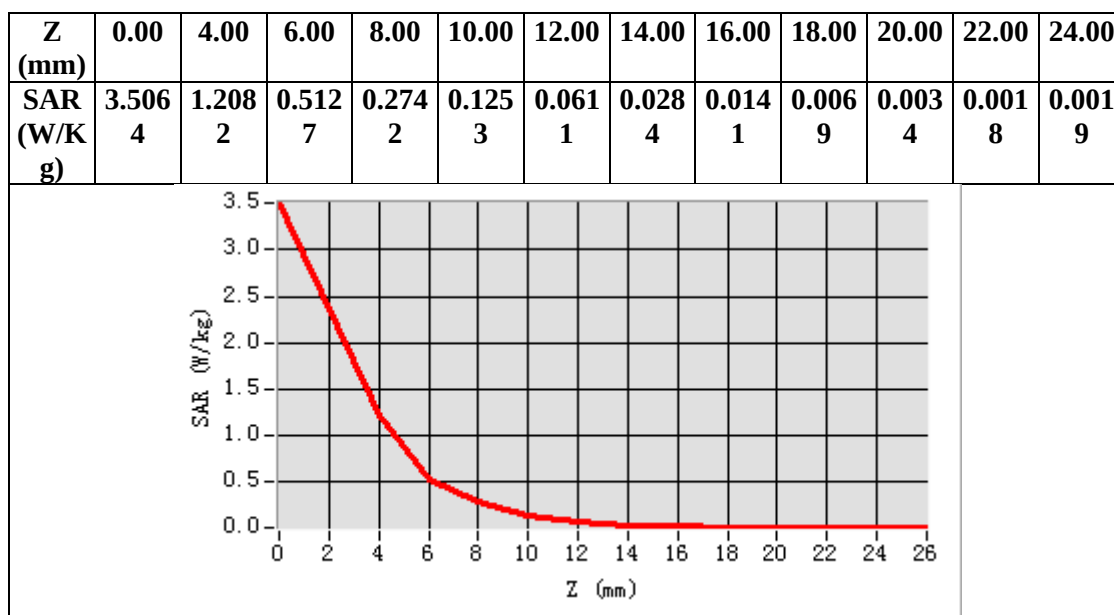
SAR 10g (W/Kg)	0.341927
SAR 1g (W/Kg)	1.134645

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5.6GHz 802.11a

Test Laboratory: AGC Lab

802.11a CH116-Edge 4 (Left)

DUT: Body Worn Camera; Type: R2

Date: Jun. 27, 2026

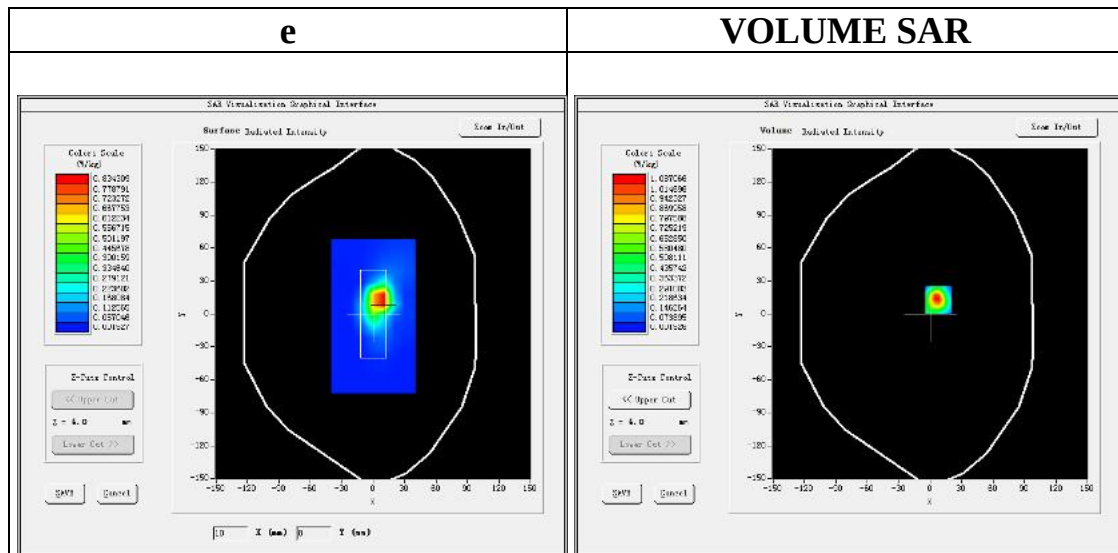
Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.50;
Frequency: 5580MHz; Medium parameters used: $f = 5600 \text{ MHz}$; $\sigma = 5.22 \text{ mho/m}$; $\epsilon_r = 36.27$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/802.11a CH116- Edge 4 (Left) /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH116- Edge 4 (Left) /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Edge 4 (Left)
Band	5600MHz
Channels	CH116
Signal	Crest factor: 1.0



Maximum location: X=8.00, Y=13.00

SAR Peak: 3.19 W/kg

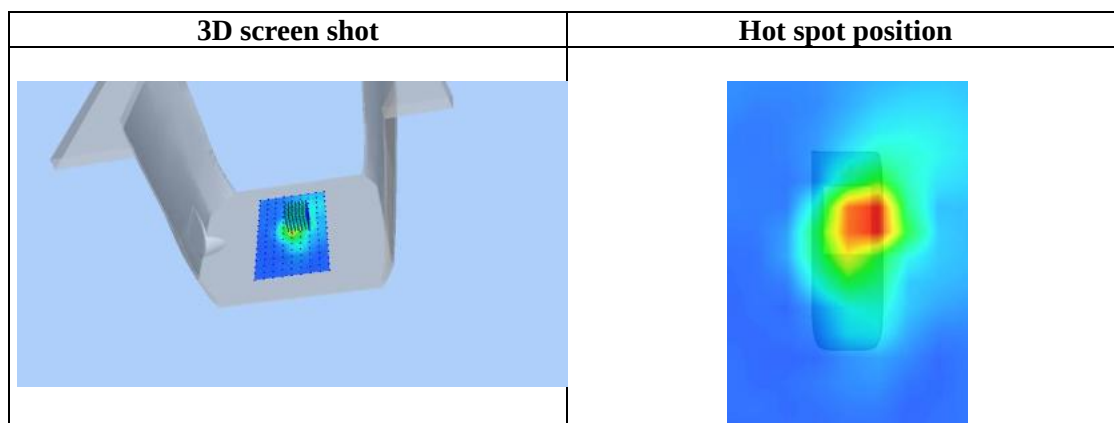
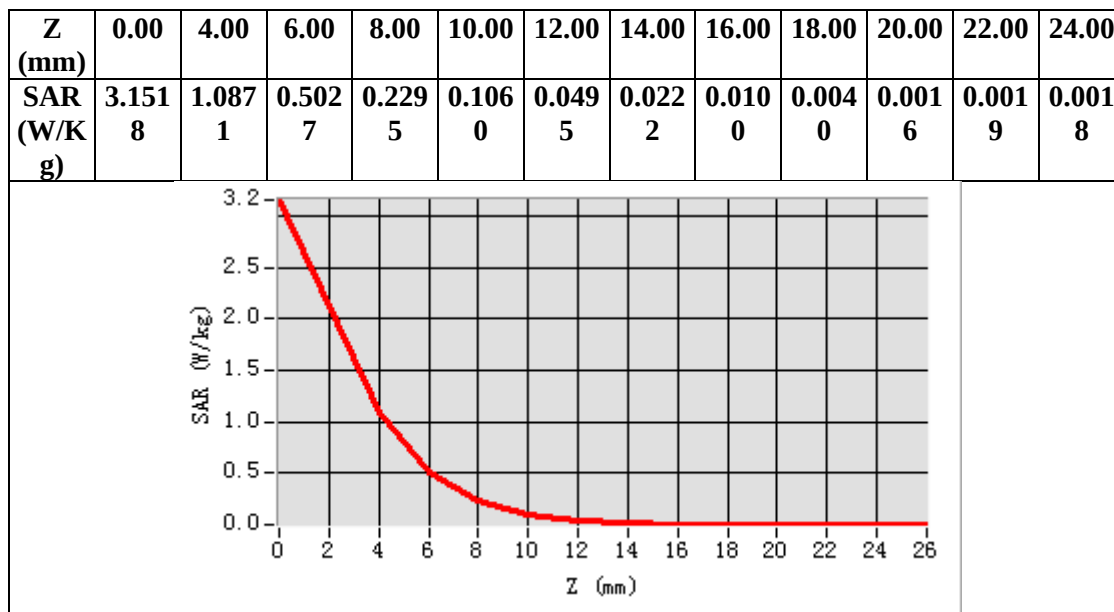
SAR 10g (W/Kg)	0.319568
SAR 1g (W/Kg)	1.062831

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5.8GHz 802.11a

Test Laboratory: AGC Lab

802.11a CH165-Edge 4 (Left)

DUT: Body Worn Camera; Type: R2

Date: Jun. 27, 2026

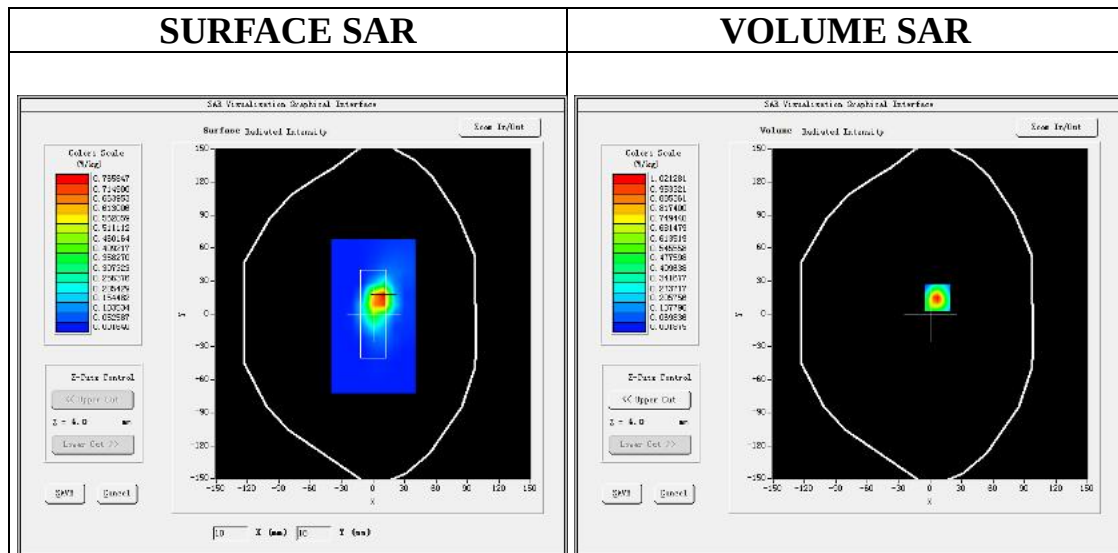
Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.49;
Frequency: 5825MHz; Medium parameters used: $f = 5750 \text{ MHz}$; $\sigma = 5.35 \text{ mho/m}$; $\epsilon_r = 35.21$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ 802.11a CH165- Edge 4 (Left) /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ 802.11a CH165- Edge 4 (Left) /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Edge 4 (Left)
Band	5800MHz
Channels	CH165
Signal	Crest factor: 1.0



Maximum location: X=7.00, Y=15.00

SAR Peak: 2.90 W/kg

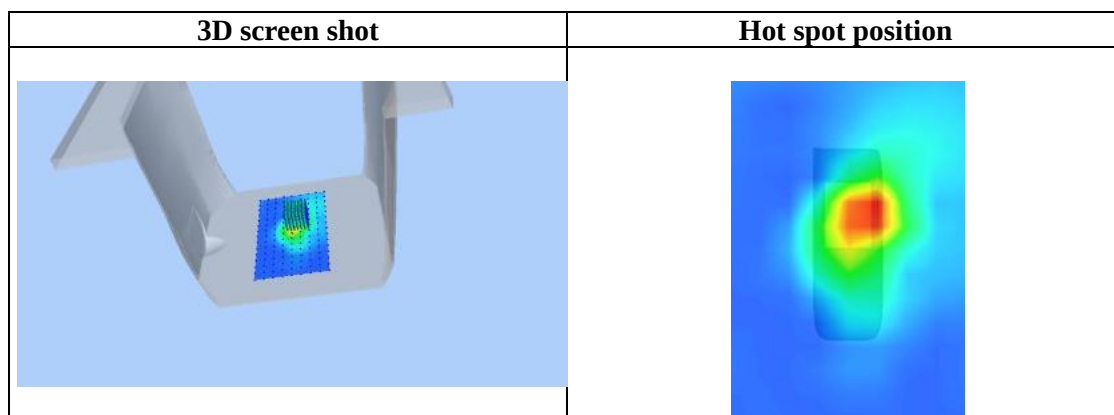
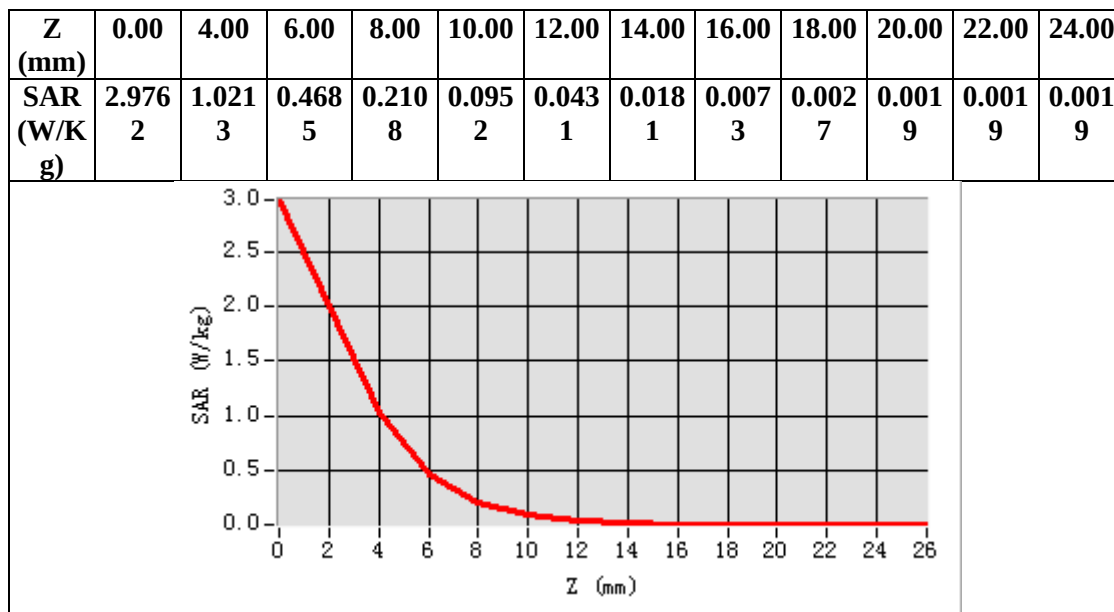
SAR 10g (W/Kg)	0.291892
SAR 1g (W/Kg)	0.959210

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Repeated SAR

Test Laboratory: AGC Lab
802.11a CH40-Edge 4 (Left)

Date: Jun. 26, 2026

DUT: Body Worn Camera; Type: R2

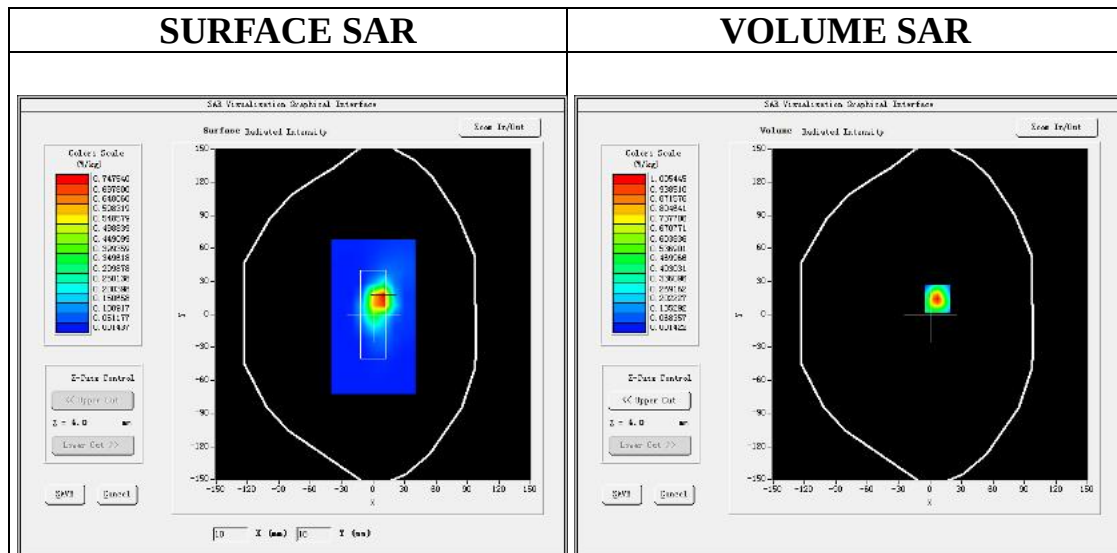
Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.64;
Frequency: 5200MHz; Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 4.71 \text{ mho/m}$; $\epsilon_r = 35.98$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/802.11a CH40- Edge 4 (Left) /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH40- Edge 4 (Left) /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Edge 4 (Left)
Band	5200MHz
Channels	CH40
Signal	Crest factor: 1.0

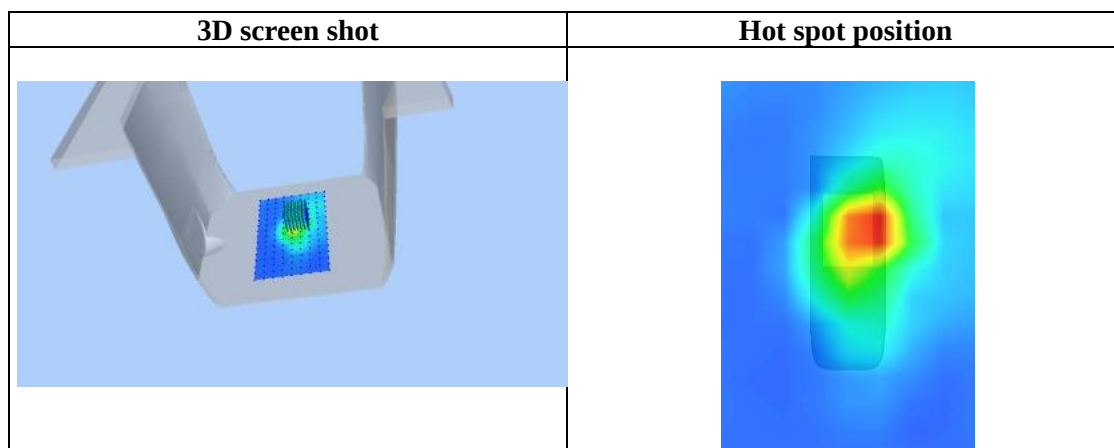
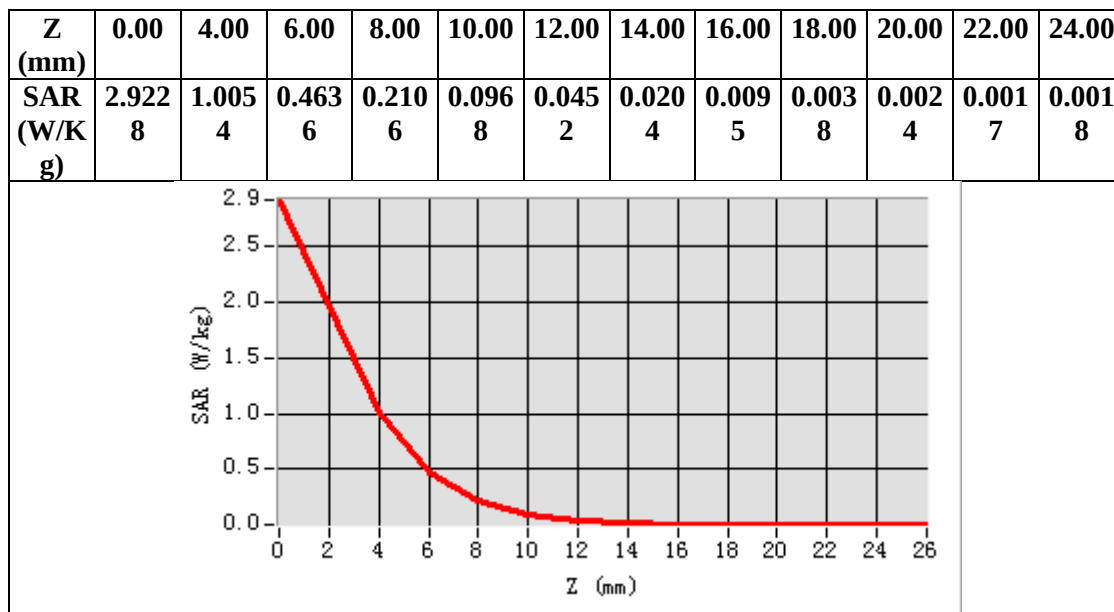


Maximum location: X=7.00, Y=14.00

SAR Peak: 2.85 W/kg

SAR 10g (W/Kg)	0.284160
SAR 1g (W/Kg)	0.944761

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Test Laboratory: AGC Lab
802.11a CH64-Edge 4 (Left)
DUT: Body Worn Camera; Type: R2

Date: Jun. 26, 2026

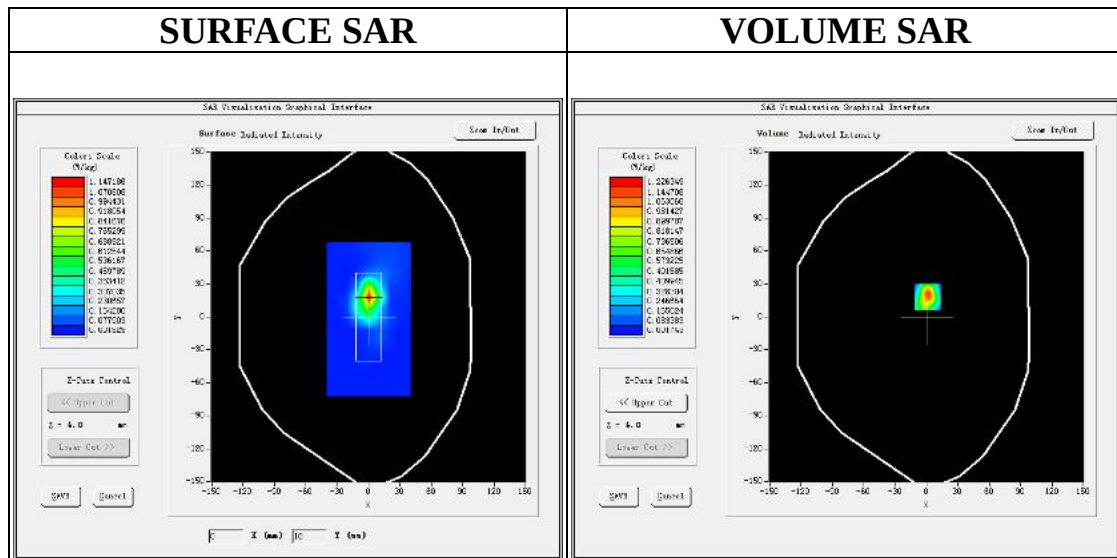
Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.64;
Frequency: 5320MHz; Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 4.96 \text{ mho/m}$; $\epsilon_r = 35.22$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/802.11a CH64- Edge 4 (Left) /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH64- Edge 4 (Left) /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Edge 4 (Left)
Band	5300MHz
Channels	CH64
Signal	Crest factor: 1.0



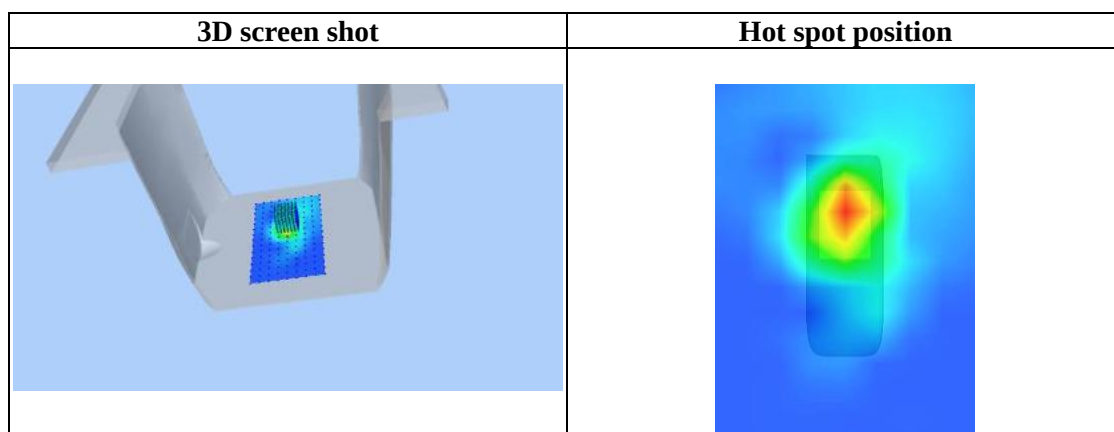
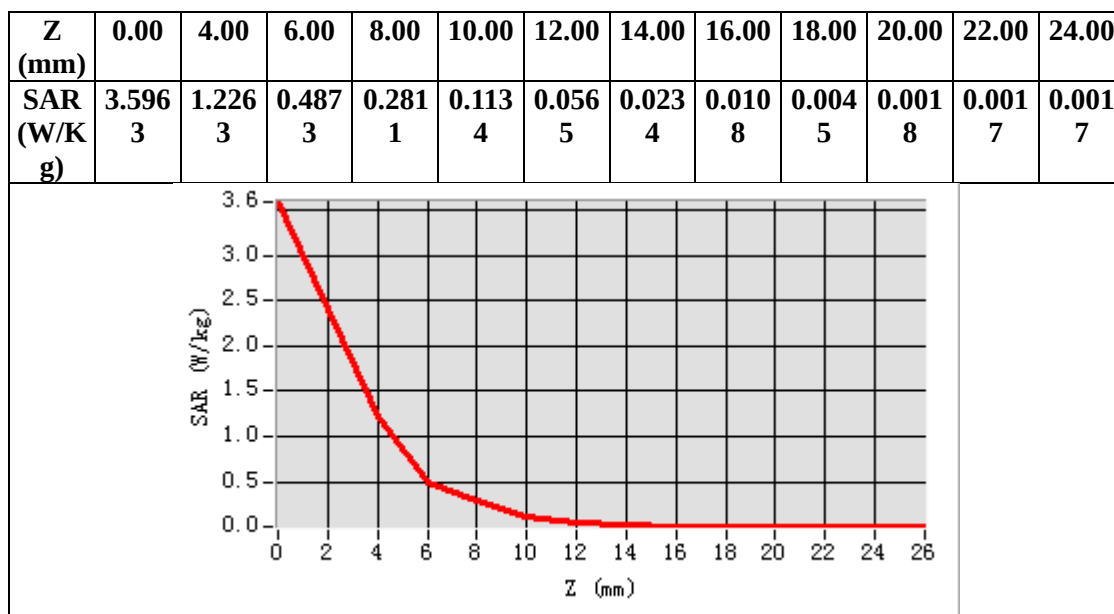
Maximum location: X=1.00, Y=18.00

SAR Peak: 3.38 W/kg

SAR 10g (W/Kg)	0.345084
SAR 1g (W/Kg)	1.127735

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Test Laboratory: AGC Lab
802.11a CH116-Edge 4 (Left)
DUT: Body Worn Camera; Type: R2

Date: Jun. 27, 2026

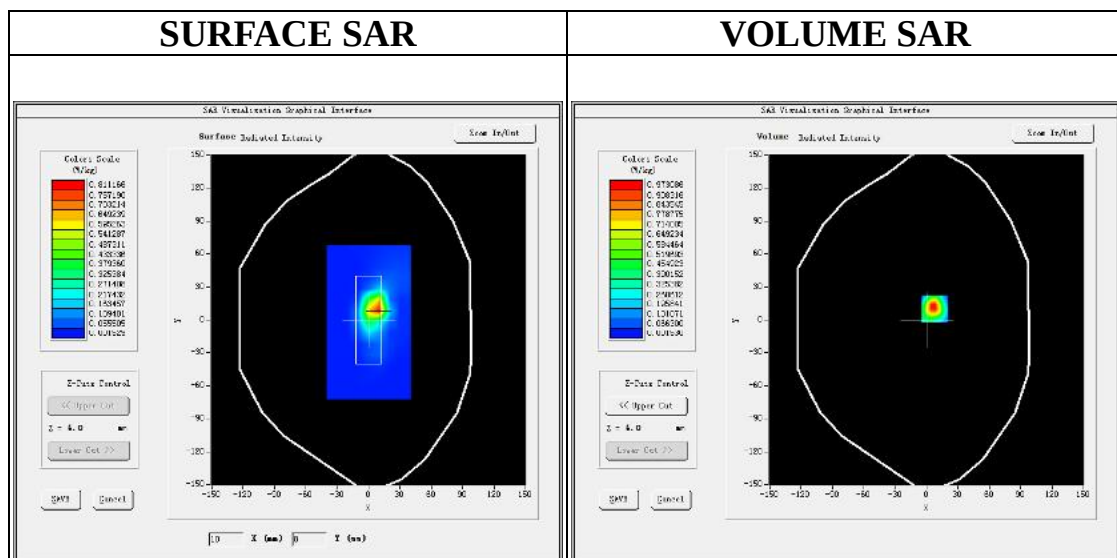
Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.50;
Frequency: 5580MHz; Medium parameters used: $f = 5600 \text{ MHz}$; $\sigma = 5.22 \text{ mho/m}$; $\epsilon_r = 36.27$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/802.11a CH116- Edge 4 (Left) /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH116- Edge 4 (Left) /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Edge 4 (Left)
Band	5600MHz
Channels	CH116
Signal	Crest factor: 1.0

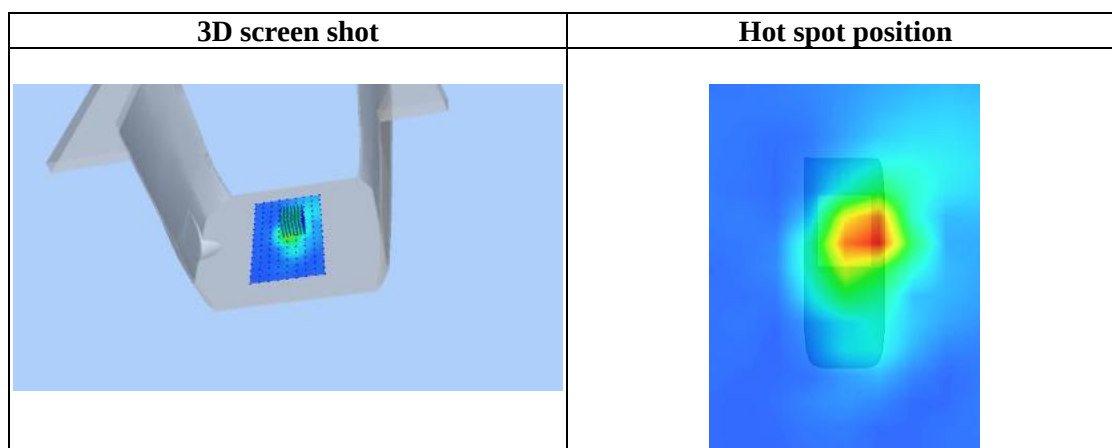
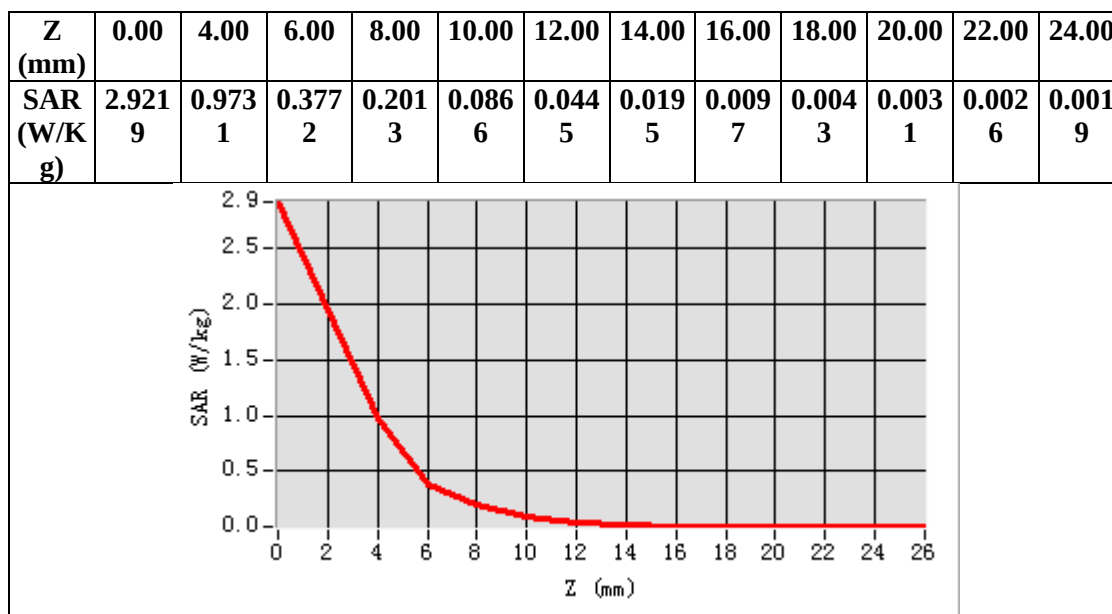


Maximum location: X=8.00, Y=10.00
SAR Peak: 2.87 W/kg

SAR 10g (W/Kg)	0.283117
SAR 1g (W/Kg)	0.947688

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Test Laboratory: AGC Lab
802.11a CH165-Edge 4 (Left)
DUT: Body Worn Camera; Type: R2

Date: Jun. 27, 2026

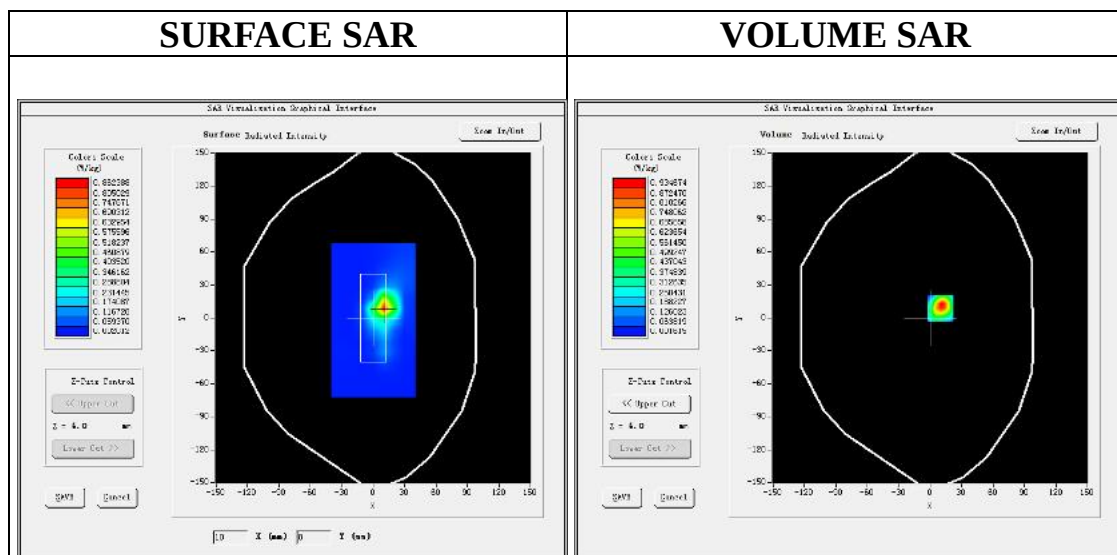
Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.49;
Frequency: 5825MHz; Medium parameters used: $f = 5750 \text{ MHz}$; $\sigma = 5.35 \text{ mho/m}$; $\epsilon_r = 35.21$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section

SATIMO Configuration:

- Probe: SSE2; Calibrated: 2026-05-27; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4_02_32

Configuration/ 802.11a CH165- Edge 4 (Left) /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ 802.11a CH165- Edge 4 (Left) /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

Area Scan	sam_direct_droit2_surf8mm.txt
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Edge 4 (Left)
Band	5800MHz
Channels	CH165
Signal	Crest factor: 1.0



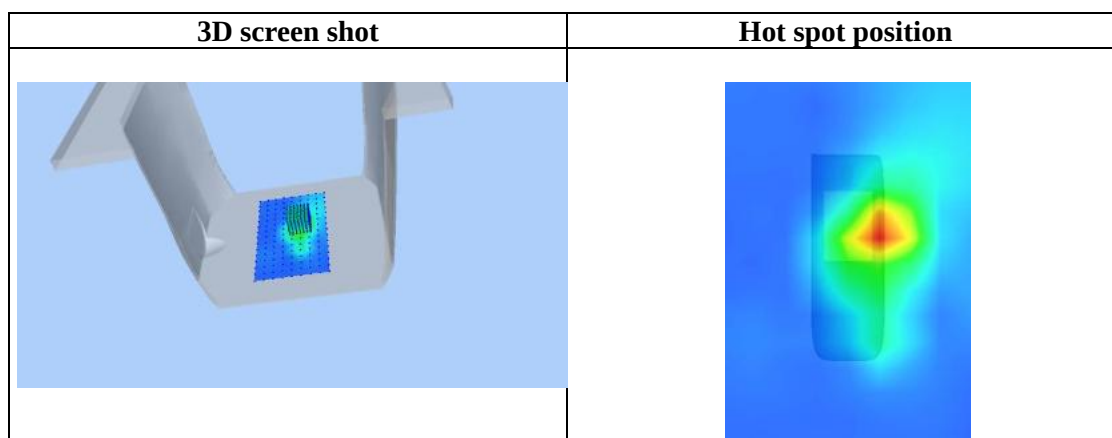
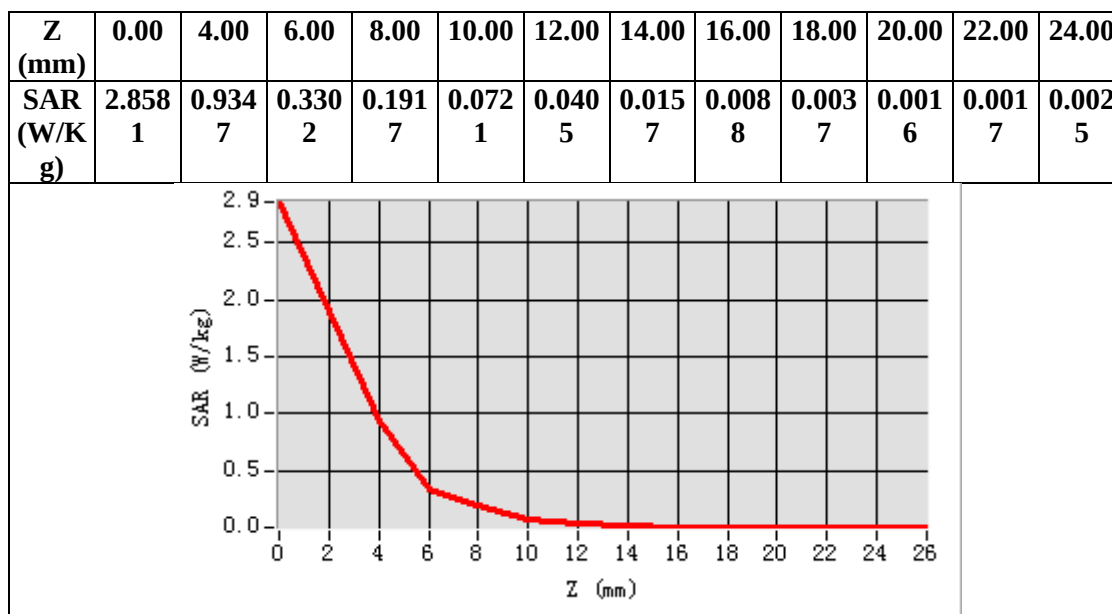
Maximum location: X=10.00, Y=9.00

SAR Peak: 2.76 W/kg

SAR 10g (W/Kg)	0.274271
SAR 1g (W/Kg)	0.910348

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Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/



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APPENDIX C. TEST SETUP PHOTOGRAPHS

Body Back 0mm



Body Front 0mm



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Edge 1 (Top) 0mm



Edge 2 (Right) 0mm



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Edge 3 (Bottom) 0mm



Edge 4 (Left) 0mm

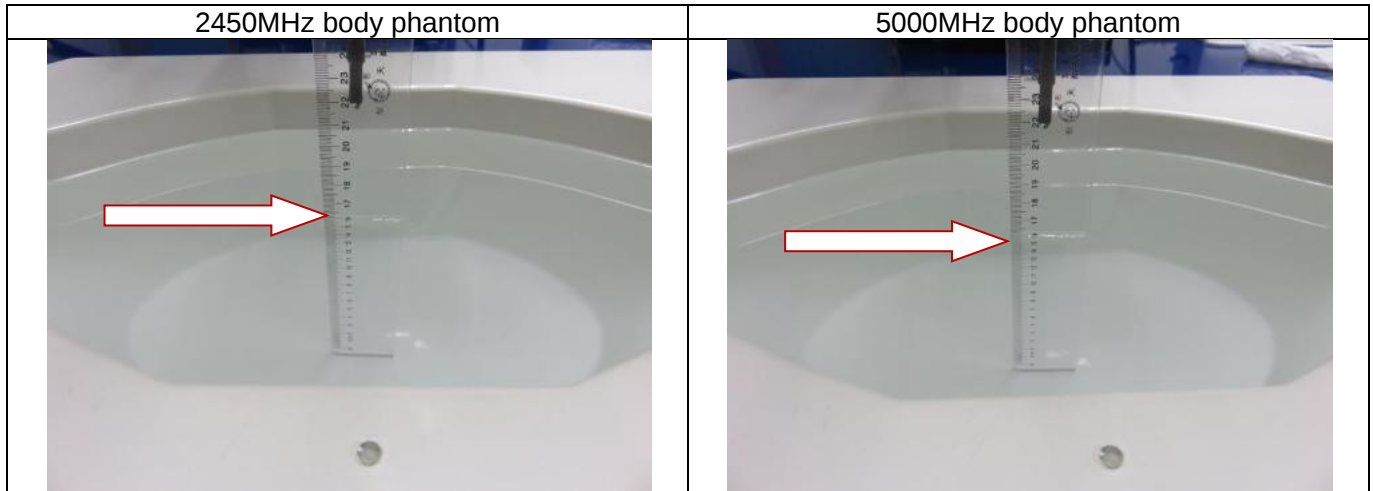


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DEPTH OF THE LIQUID IN THE PHANTOM—ZOOM IN

Note : The position used in the measurement were according to IEC/IEEE 62209-1528



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APPENDIX D. CALIBRATION DATA

Refer to Attached files.

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Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the “Company”) solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the “Clients”).
2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

-----END OF REPORT-----

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