SAR Test Report

Report No.: AGC16626240801FH01

FCC ID	:	2AW3IP01V71
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	Smart Diagnostic System
BRAND NAME	:	XTOOL, AutoProPAD
MODEL NAME	:	P01V71, P720, P701, P711, IP819, IP616, IK618, IK618E, D7S, XT70, X100PADS, Scantech Pro, AutoProPAD Core, D7, D7X
APPLICANT	:	Shenzhen Xtooltech Intelligent Co., Ltd.
DATE OF ISSUE	:	Oct. 22, 2024
STANDARD(S)	:	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2005
REPORT VERSION	:	V1.0

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

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Oct. 22, 2024	Valid	Initial Release

Test Report	
Applicant Name	Shenzhen Xtooltech Intelligent Co., Ltd.
Applicant Address	17&18/F, A2 Building, Creative City, Liuxian Avenue, Nanshan District, Shenzhen
Manufacturer Name	Shenzhen Xtooltech Intelligent Co., Ltd.
Manufacturer Address	17&18/F, A2 Building, Creative City, Liuxian Avenue, Nanshan District, Shenzhen
Factory Name	Bao'an Branch of Shenzhen Xtooltech Intelligent Co., Ltd.
Factory Address	2, 3, 4/F, Building 12, Tangtou Third Industrial Zone, Shiyan street, Bao'an District, Shenzhen
Product Designation	Smart Diagnostic System
Brand Name	XTOOL, AutoProPAD
Main Model	P01V71
Series Models	P720, P701, P711, IP819, IP616, IK618, IK618E, D7S, XT70, X100PADS, Scantech Pro, AutoProPAD Core, D7, D7X
Different Description	Refer to the model difference declaration letter
EUT Voltage	DC 7.3V by battery
Applicable Standard	IEEE Std. 1528:2013 FCC 47 CFR Part 2§2.1093 IEEE Std C95.1 ™-2005
Date of receipt of test item	Aug. 29, 2024
Test Date	Oct. 15, 2024 to Oct. 19, 2024
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.

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Reviewed By

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Approved By

Max Zhang (Authorized Officer) Oct. 22, 2024

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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) Body-worn/Hotspot(with 0mm separation)	SAR Test Limit (W/kg)
P01V71		
2.4 GHz WIFI	0.374	1.6
5.2 GHz WIFI	0.609	
5.3 GHz WIFI	0.609	
5.6 GHz WIFI	0.557	
5.8 GHz WIFI	0.520	
P701		
2.4 GHz WIFI	0.313	1.6
5.2 GHz WIFI	0.448	
5.3 GHz WIFI	0.395	
5.6 GHz WIFI	0.384	
5.8 GHz WIFI	0.220	
P711		
2.4 GHz WIFI	0.812	1.6
5.2 GHz WIFI	0.603	
5.3 GHz WIFI	0.533	
5.6 GHz WIFI	0.390	
5.8 GHz WIFI	0.444	
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 865664 D01 SAR Measurement 100MHz to 6GHz v01r04
- KDB 248227 D01 802 11 Wi-Fi SAR v02r02
- KDB 941225 D06 Hotspot Mode v02r01

2. GENERAL INFORMATION

2.1. EUT Description

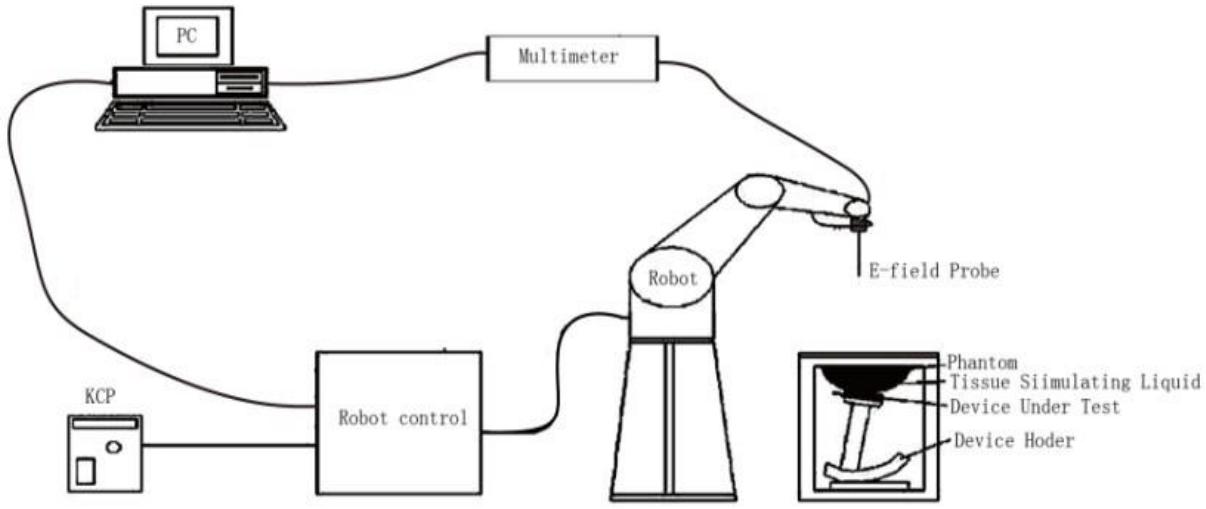
General Information	
Product Designation	Smart Diagnostic System
Test Model	P01V71, P701, P711
Hardware Version	PAD01_PX30_MB_V2.1
Software Version	/
Device Category	Portable
RF Exposure Environment	Uncontrolled
Antenna Type	PIFA
Bluetooth	
Operation Frequency	2402~2480MHz
Antenna Gain	P01V71:3.77dBi, P701: 1.99dBi, P711: 4.25dBi
Bluetooth Version	V4.2
Type of modulation	**BR/EDR**: GFSK, Π/4-DQPSK, 8-DPSK; **BLE:** GFSK
Max. Peak Power (dBm)	**BR/EDR**: 1.424dBm ; **BLE:** 0.220dBm
2.4GHz WIFI	
WIFI Specification	□802.11a ☒802.11b ☒802.11g ☒802.11n(20) ☒802.11n(40)
Operation Frequency	2412~2462MHz
Max. Avg. Burst Power (dBm)	11b: 15.87dBm,11g: 11.17dBm,11n(20): 11.19dBm,11n(40): 10.96dBm
Antenna Gain	P01V71:3.77dBi, P701: 1.99dBi, P711: 4.25dBi
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: 5470MHz~5725MHz;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
Max. Avg. Burst Power (dBm)	U-NII-1:15.23dBm; U-NII-2A:15.53dBm; U-NII-2C:14.41dBm; U-NII-3:12.37dBm
Antenna Gain	P01V71:4.27dBi, P701: 1.96dBi, P711: 5.68dBi
Battery	Brand name: Thanksun Model No. : XBL18650-2500 Voltage and Capacitance: 7.3 V & 2500mAh

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.

3. SAR MEASUREMENT SYSTEM

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



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

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

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

3.2. COMOSAR E-Field Probe

The SAR measurement is conducted with the dosimetric probe manufactured by SATIMO. The probe is specially designed and calibrated for use in liquid with high permittivity. The dosimetric probe has special calibration in liquid at different frequency. SATIMO conducts the probe calibration in compliance with international and national standards (e.g. IEEE1528 etc.)Under ISO17025.The calibration data are in Appendix D.

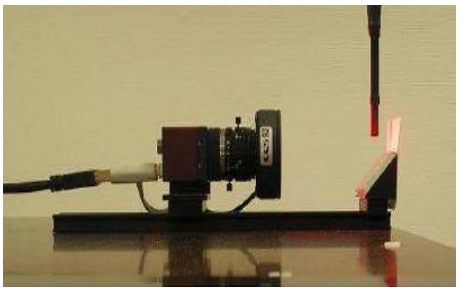
Isotropic E-Field Probe Specification

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

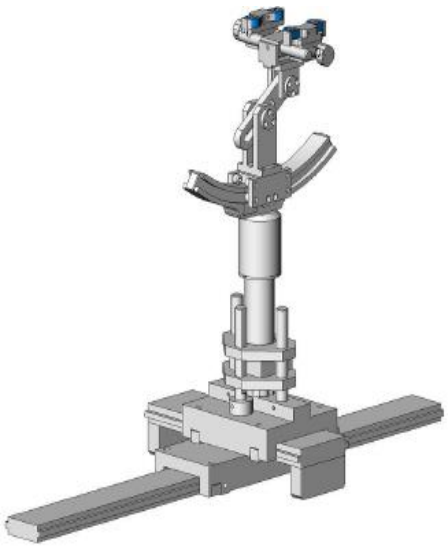
3.3. Robot

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

3.4. Video Positioning System

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

3.5. Device Holder

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

3.6. SAM Twin Phantom

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

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

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	

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;
$\frac{dT}{dt} \mid t = 0$	is the initial time derivative of temperature in the tissue in kelvins per second

4.2. SAR Measurement Procedure

Step 1: Power Reference Measurement

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

Step 2: Area Scan

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

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

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

Step 3: Zoom Scan

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

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

Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details.

* When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

Step 4: Power Drift Measurement

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

4.3. RF Exposure Conditions

Test Configuration and setting:

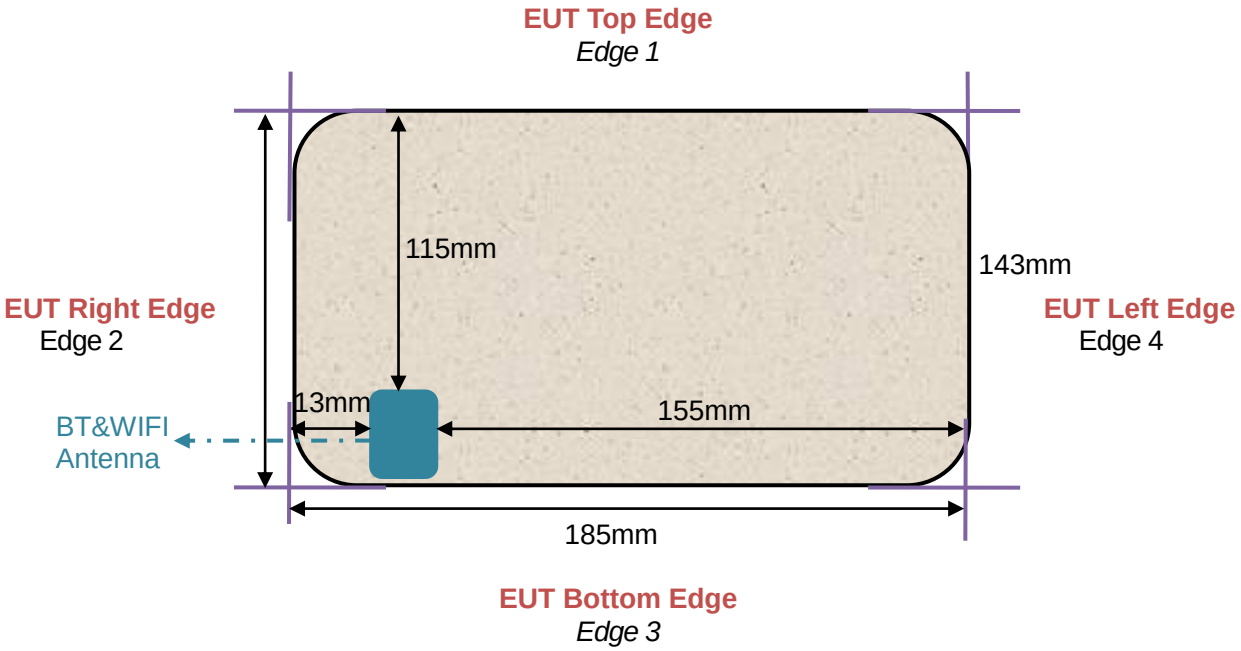
The device is a sport camera which support 2.4GHz & 5G Wifi, Bluetooth; And share one antenna.

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

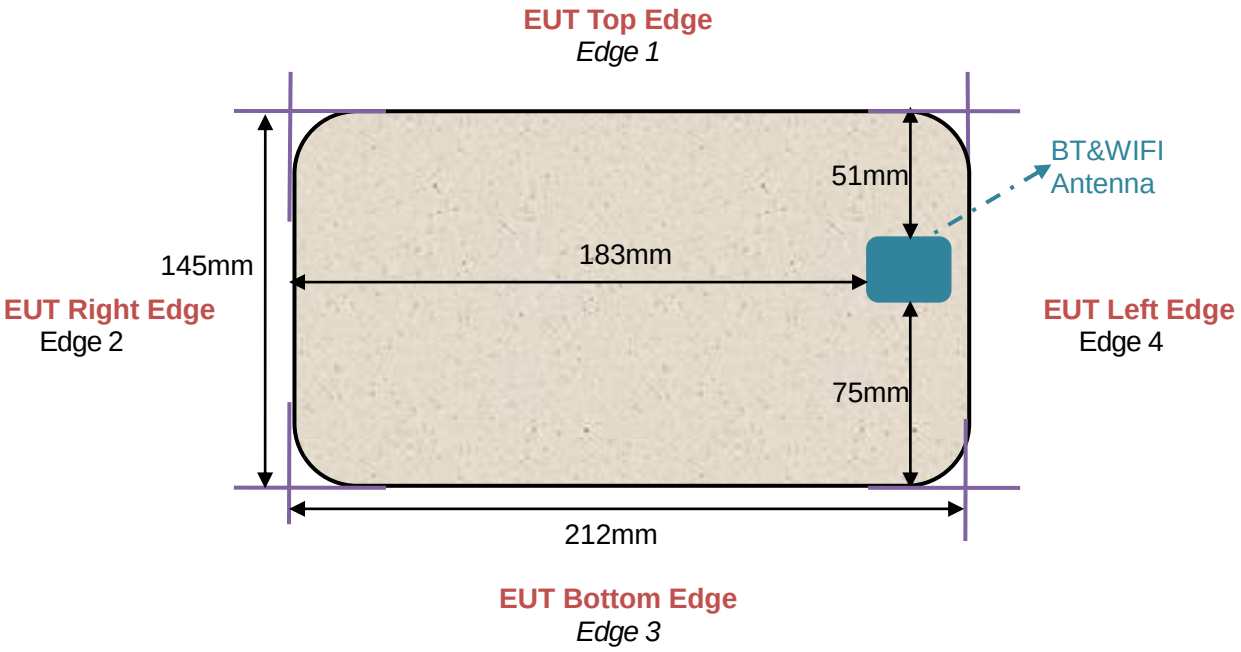
Due the BT power is less than exemption limit, SAR is not required.

Antenna Location: (the back view)

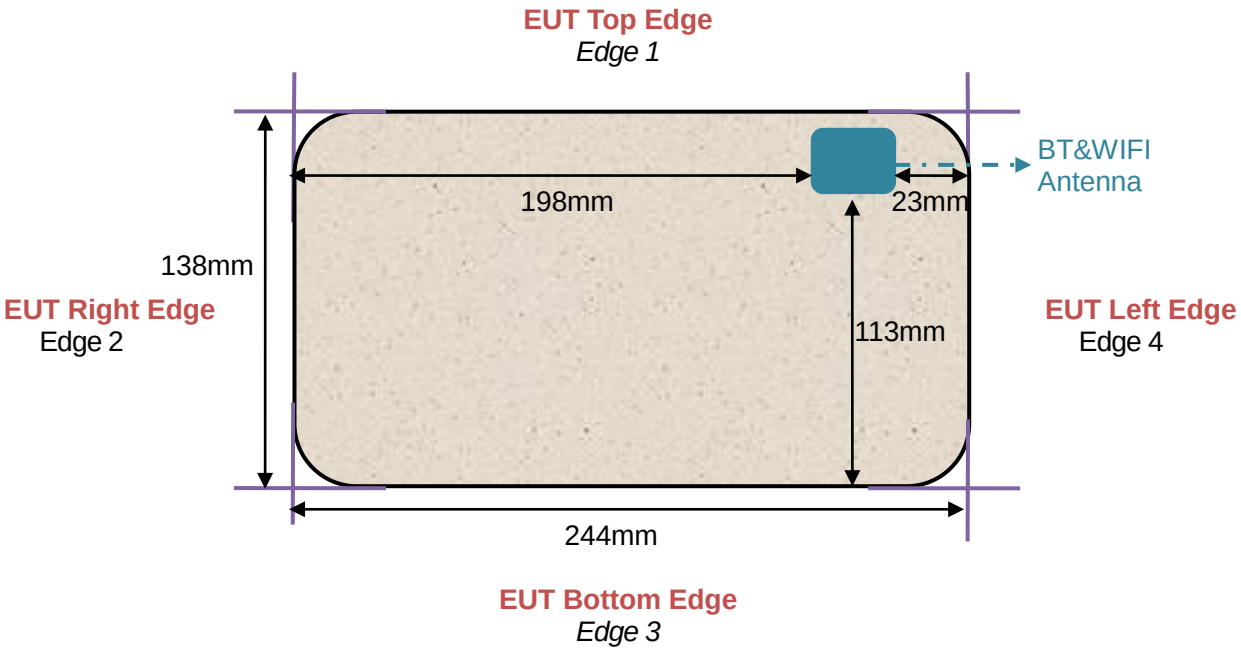
P01V71



P701



P711



For WLAN mode: **P01V71**

Test Configurations	Antenna to edges/surface	SAR required	Note
Body			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Hotspot			
Edge 1 (Top)	115mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 2 (Right)	13mm	Yes	--
Edge 3 (Bottom)	5mm	Yes	--
Edge 4 (Left)	155mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR

For WLAN mode: **P701**

Test Configurations	Antenna to edges/surface	SAR required	Note
Body			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Hotspot			
Edge 1 (Top)	115mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 2 (Right)	13mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 3 (Bottom)	5mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 4 (Left)	7mm	Yes	--

For WLAN mode: **P711**

Test Configurations	Antenna to edges/surface	SAR required	Note
Body			
Back	<25mm	Yes	--
Front	<25mm	Yes	--
Hotspot			
Edge 1 (Top)	8mm	Yes	--
Edge 2 (Right)	198mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 3 (Bottom)	113mm	No	SAR is not required for the distance between the antenna and the edge is >25mm as per KDB 941225 D06 Hotspot SAR
Edge 4 (Left)	23mm	Yes	--

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 monohexylether
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	
	εr	σ (S/m)	εr	σ (S/m)
300	45.3	0.87	45.3	0.87
450	43.5	0.87	43.5	0.87
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**

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

5.3. Tissue Calibration Result

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

Tissue Stimulant Measurement for 2450MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 39.2(37.24-41.16)	δ[s/m] 1.80(1.71-1.89)		
Head	2412	40.33	1.72	20.9	Oct. 18, 2024
	2437	39.62	1.76		
	2450	38.17	1.79		
	2462	37.43	1.81		

Tissue Stimulant Measurement for 5200MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 36(34.2-37.8)	δ[s/m] 4.66(4.43-4.89)		
Head	5180	36.72	4.43	20.3	Oct. 15, 2024
	5200	35.31	4.48		
	5240	34.66	4.51		

Tissue Stimulant Measurement for 5300MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 35.9(34.105-37.695)	δ[s/m] 4.76(4.522-4.998)		
Head	5260	36.72	4.73	20.2	Oct. 16, 2024
	5300	35.91	4.76		
	5320	34.95	4.79		

Tissue Stimulant Measurement for 5600MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 35.5(33.725-37.275)	δ[s/m] 5.07(4.8165-5.3235)		
Head	5500	36.28	5.13	21.6	Oct. 19, 2024
	5580	35.76	5.16		
	5600	34.61	5.18		
	5700	34.02	5.21		

Tissue Stimulant Measurement for 5800MHz					
	Fr. (MHz)	Dielectric Parameters (±5%)		Tissue Temp [°C]	Test time
		εr 35.3(33.535-37.065)	δ[s/m] 5.27(5.0065-5.5335)		
Head	5745	38.34	5.19	19.5	Oct. 17, 2024
	5785	37.62	5.21		
	5800	36.20	5.24		
	5825	35.69	5.26		

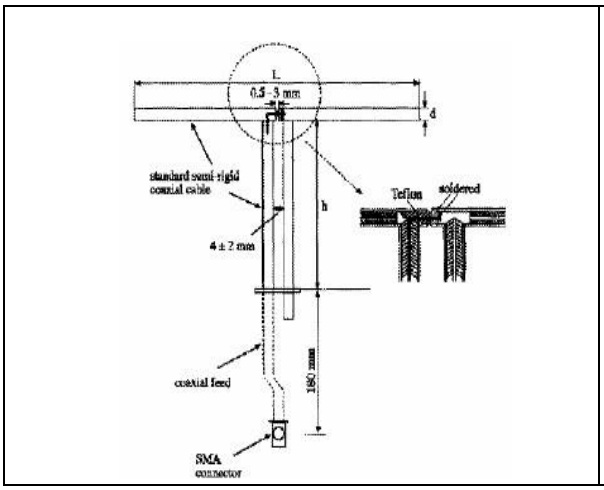
6. SAR SYSTEM CHECK PROCEDURE

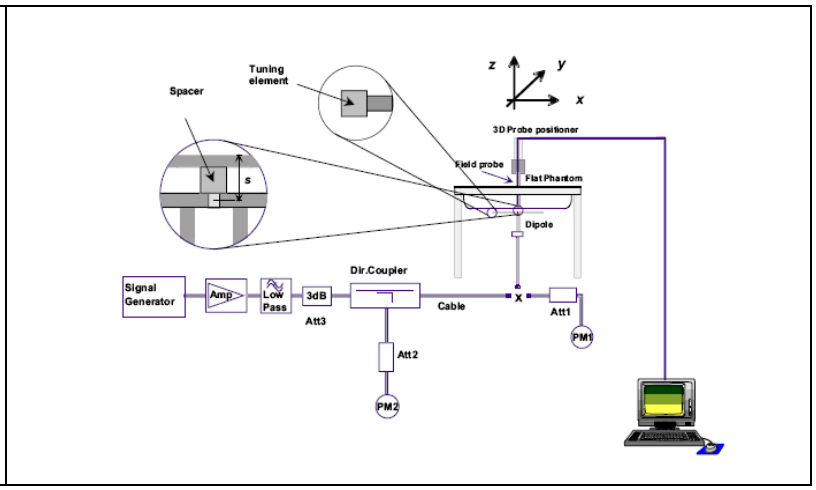
6.1. SAR System Check Procedures

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

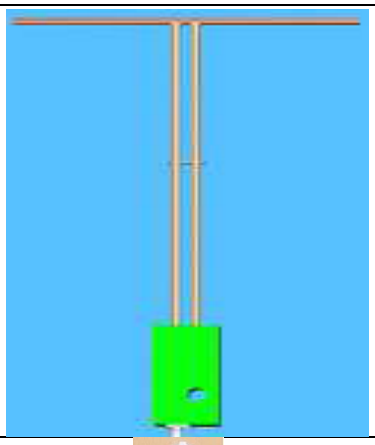
Each SATIMO system is equipped with one or more system check kits. These units, together with the predefined measurement procedures within the SATIMO software, enable the user to conduct the system check and system validation. System kit includes a dipole, and dipole device holder.

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





6.2. SAR System Check
6.2.1. Dipoles

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

Frequency	L (mm)	h (mm)	d (mm)
2450MHz	51.5	30.4	3.6
5000MHz	20.6	40.3	3.6

6.2.2. System Check Result

System Performance Check at 2450MHz & 5200-5800MHz for Head								
Validation Kit: SN 29/15 DIP 2G450-393 & SN 17/22 DIP 5G000-671								
Frequency [MHz]	Target Value(W/kg)		Reference Result (± 10%)		Normalized to 1W(W/kg)		Tissue Temp. [°C]	Test time
	1g	10g	1g	10g	1g	10g		
2450	54.32	24.25	48.888-59.752	21.825-26.675	55.10	22.09	20.9	Oct. 18, 2024
5200	73.43	21.83	66.087-80.773	19.647-24.013	72.24	22.52	20.3	Oct. 15, 2024
5200	73.43	21.83	66.087-80.773	19.647-24.013	80.12	24.70	20.2	Oct. 16, 2024
5600	78.20	24.12	70.380-86.02	21.708-26.532	83.47	25.51	21.6	Oct. 19, 2024
5800	75.69	22.44	68.121-83.259	20.196-24.684	78.68	24.12	19.5	Oct. 17, 2024

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

7. EUT TEST POSITION

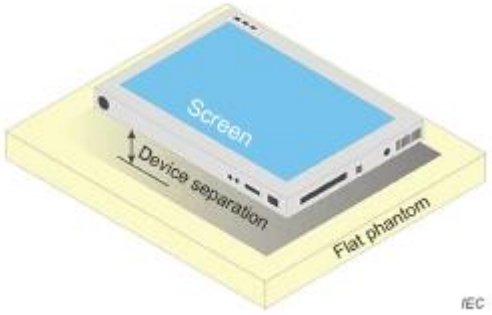
This EUT was tested in **Body back, Body front and 4 edges.**

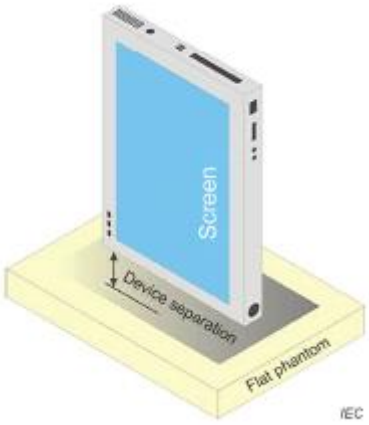
7.1. Body Worn Position

(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.**





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

9. TEST FACILITY

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

10. TEST EQUIPMENT LIST

Equipment description	Manufacturer/ Model	Identification No.	Software version	Current calibration date	Next calibration date
SAR Probe	MVG	2023-EPGO-414	N/A	Apr. 30, 2024	Apr. 29, 2025
Phantom	SATIMO	SN_2316_ELLI39	N/A	Validated. No cal required.	Validated. No cal required.
Liquid	SATIMO	N/A	N/A	Validated. No cal required.	Validated. No cal required.
Multimeter	Keithley 2000	4114939	N/A	May 24, 2024	May 23, 2025
SAR Software	MVG-OpenSAR	N/A	OpenSAR V4_02_35	N/A	N/A
Dipole	SATIMO SID2450	SN 29/15 DIP 2G450-393	N/A	Apr. 28,2022	Apr. 27,2025
Dipole	SID5000	SN 17/22 DIP 5G000-671	N/A	Apr. 28,2022	Apr. 27, 2025
Signal Generator	Agilent-E4438C	US41461365	V5.03	May 24, 2024	May 23, 2025
EXA Signal Analyzer	Agilent / N9010A	MY53470504	N/A	May 28, 2024	May 27, 2025
Network Analyzer	Rhode & Schwarz ZVL6	SN101443	3.2	Jul. 24, 2024	Jul. 23, 2025
Attenuator	Warison /WATT-6SR1211	S/N:WRJ34AYM2F1	N/A	June 06, 2024	June 05, 2025
Attenuator	Mini-circuits / VAT-10+	31405	N/A	June 06, 2024	June 05, 2025
Amplifier	AS0104-55_55	1004793	N/A	N/A	N/A
Directional Couple	Werlatone/ C5571-10	SN99463	N/A	Feb. 01, 2024	Jan. 31, 2026
Directional Couple	Werlatone/ C6026-10	SN99482	N/A	Feb. 01, 2024	Jan. 31, 2026
Power Sensor	NRP-Z21	104604	N/A	May 24, 2024	May 23, 2025
Power Sensor	NRP-Z23	100323	N/A	Jun. 05, 2024	Jun. 04, 2025
Power Viewer	R&S	V2.3.1.0		N/A	N/A
Calibration standard parts for network sub - port	R&S/ ZV-Z132	N/A	V2.3.1.0	Nov. 11, 2023	Nov. 10, 2024

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

11. MEASUREMENT UNCERTAINTY

SATIMO Uncertainty- 2023-EPGO-414 Measurement uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration	E.2.1	7.000	N	1	1	1	7.000	7.000	∞
Axial Isotropy	E.2.2	0.090	R	$\sqrt{3}$	√0.5	√0.5	0.037	0.037	∞
Hemispherical Isotropy	E.2.2	0.090	R	$\sqrt{3}$	√0.5	√0.5	0.037	0.037	∞
Boundary effect	E.2.3	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Linearity	E.2.4	0.890	R	$\sqrt{3}$	1	1	0.514	0.514	∞
System detection limits	E.2.4	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Modulation response	E2.5	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
Readout Electronics	E.2.6	0.021	N	1	1	1	0.021	0.021	∞
Response Time	E.2.7	0.000	R	$\sqrt{3}$	1	1	0.000	0.000	∞
Integration Time	E.2.8	1.400	R	$\sqrt{3}$	1	1	0.808	0.808	∞
RF ambient conditions-Noise	E.6.1	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
RF ambient conditions-reflections	E.6.1	3.000	R	$\sqrt{3}$	1	1	1.732	1.732	∞
Probe positioner mechanical tolerance	E.6.2	1.400	R	$\sqrt{3}$	1	1	0.808	0.808	∞
Probe positioning with respect to phantom shell	E.6.3	1.400	R	$\sqrt{3}$	1	1	0.808	0.808	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.300	R	$\sqrt{3}$	1	1	1.328	1.328	∞
Test sample Related									
Test sample positioning	E.4.2	2.6	N	1	1	1	2.600	2.600	∞
Device holder uncertainty	E.4.1	3	N	1	1	1	3.000	3.000	∞
Output power variation—SAR drift measurement	E.2.9	5	R	$\sqrt{3}$	1	1	2.887	2.887	∞
SAR scaling	E.6.5	5	R	$\sqrt{3}$	1	1	2.887	2.887	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	$\sqrt{3}$	1	1	2.309	2.309	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.900	1.596	∞
Liquid conductivity measurement	E.3.3	4	R	$\sqrt{3}$	0.78	0.71	3.120	2.840	∞
Liquid permittivity measurement	E.3.3	5	N	1	0.78	0.71	1.150	1.300	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	1.126	1.025	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	N	1	0.23	0.26	0.332	0.375	M
Combined Standard Uncertainty			RSS				10.526	10.341	
Expanded Uncertainty (95% Confidence interval)			K=2				21.052	20.682	

SATIMO Uncertainty- 2023-EPGO-414 System Validation uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration	E.2.1	7.000	N	1	1	1	7.000	7.000	∞
Axial Isotropy	E.2.2	0.090	R	$\sqrt{3}$	1	1	0.052	0.052	∞
Hemispherical Isotropy	E.2.2	0.090	R	$\sqrt{3}$	0	0	0.000	0.000	∞
Boundary effect	E.2.3	1.000	R	$\sqrt{3}$	1	1	0.577	0.577	∞
Linearity	E.2.4	0.890	R	$\sqrt{3}$	1	1	0.514	0.514	∞
System detection limits	E.2.4	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
Modulation response	E2.5	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	E.2.6	0.021	N	1	1	1	0.021	0.021	∞
Response Time	E.2.7	0.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Integration Time	E.2.8	1.4	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
RF ambient conditions-reflections	E.6.1	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
Probe positioner mechanical tolerance	E.6.2	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	∞
System validation source									
Deviation of experimental dipole from numerical dipole	E.6.4	5.0	N	1	1	1	5.00	5.00	∞
Input power and SAR drift measurement	8,6.6.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and set-up									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4.0	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.90	1.60	∞
Liquid conductivity（temperature uncertainty）	E.3.3	2.5	R	$\sqrt{3}$	0.78	0.71	1.13	1.02	∞
Liquid conductivity（measured）	E.3.3	4	N	1	0.78	0.71	3.12	2.84	M
Liquid permittivity（temperature uncertainty）	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	0.33	0.38	∞
Liquid permittivity（measured）	E.3.4	5	N	1	0.23	0.26	1.15	1.30	M
Combined Standard Uncertainty			RSS				10.459	10.272	
Expanded Uncertainty (95% Confidence interval)			K=2				20.917	20.545	

SATIMO Uncertainty- 2023-EPGO-414 System Check uncertainty for DUT averaged over 1 gram / 10 gram.									
Uncertainty Component	Sec.	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Measurement System									
Probe calibration drift	E.2.1.3	0.500	N	1	1	1	0.50	0.50	∞
Axial Isotropy	E.2.2	0.090	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Hemispherical Isotropy	E.2.2	0.090	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Boundary effect	E.2.3	1.000	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Linearity	E.2.4	0.890	R	$\sqrt{3}$	0	0	0.00	0.00	∞
System detection limits	E.2.4	1.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Modulation response	E2.5	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Readout Electronics	E.2.6	0.021	N	1	0	0	0.00	0.00	∞
Response Time	E.2.7	0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Integration Time	E.2.8	1.4	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-Noise	E.6.1	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
RF ambient conditions-reflections	E.6.1	3.0	R	$\sqrt{3}$	0	0	0.00	0.00	∞
Probe positioner mechanical tolerance	E.6.2	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Probe positioning with respect to phantom shell	E.6.3	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	E.5	2.3	R	$\sqrt{3}$	0	0	0.00	0.00	∞
System check source (dipole)									
Deviation of experimental dipoles	E.6.4	2.0	N	1	1	1	2.00	2.00	∞
Input power and SAR drift measurement	8,6.6.4	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	∞
Dipole axis to liquid distance	8,E.6.6	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	∞
Phantom and tissue parameters									
Phantom shell uncertainty—shape, thickness, and permittivity	E.3.1	4	R	$\sqrt{3}$	1	1	2.31	2.31	∞
Uncertainty in SAR correction for deviations in permittivity and conductivity	E.3.2	1.9	N	1	1	0.84	1.90	1.60	∞
Liquid conductivity measurement	E.3.3	4	R	$\sqrt{3}$	0.78	0.71	3.12	2.84	∞
Liquid permittivity measurement	E.3.3	5	N	1	0.78	0.71	1.15	1.30	M
Liquid conductivity—temperature uncertainty	E.3.4	2.5	R	$\sqrt{3}$	0.23	0.26	1.13	1.02	∞
Liquid permittivity—temperature uncertainty	E.3.4	2.5	N	1	0.23	0.26	0.33	0.38	M
Combined Standard Uncertainty			RSS				5.562	5.203	
Expanded Uncertainty (95% Confidence interval)			K=2				11.124	10.406	

12. CONDUCTED POWER MEASUREMENT

2.4GHz WIFI

Mode	Data Rate (Mbps)	Channel	Frequency(MHz)	Avg. Burst Power (dBm)
802.11b	1	1	2412	**15.87**
		6	2437	15.26
		11	2462	14.73
802.11g	6	1	2412	11.17
		6	2437	10.37
		11	2462	10.03
802.11n HT20	6.5	1	2412	11.19
		6	2437	10.57
		11	2462	9.83
802.11n HT40	13.5	1	2412	10.96
		6	2437	10.51
		11	2462	10.25

Bluetooth_V4.2

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	0.365
	39	2441	0.698
	78	2480	**1.424**
π /4-DQPSK	0	2402	-0.023
	39	2441	0.433
	78	2480	1.296
8-DPSK	0	2402	0.100
	39	2441	0.409
	78	2480	1.414

Bluetooth_V4.2

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	-1.081
	19	2440	-0.789
	39	2480	**0.220**

For Bluetooth
Calculation Value =[(max. power of channel, mW)/(min. test separation distance, mm)] ·[√f(GHz)].
Fox example: 1.388/5*√2.480=0.437 ≤ 3.0

According to KDB447498 D01 V06, threshold at which no SAR required is ≤3.0 for 1-g SAR, separation distance is 5mm, and no simultaneous SAR measurement is required.

5GHz WIFI

Mode	channel	Frequency	Avg. Burst Power (dBm)							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	14.05	13.96	13.91	13.82	13.79	13.77	13.74	13.62
	40	5200	14.39	14.28	14.27	14.25	14.14	14.13	13.99	13.83
	44	5220	13.11	12.93	12.85	12.72	12.70	12.70	12.65	12.46
	48	5240	**15.23**	15.09	14.91	14.77	14.71	14.67	14.60	14.46
	52	5260	15.24	15.07	14.91	14.74	14.73	14.57	14.57	14.51
	56	5280	14.84	14.71	14.53	14.33	14.31	14.12	14.05	13.89
	60	5300	15.52	15.42	15.38	15.36	15.20	15.15	15.09	14.92
	64	5320	**15.53**	15.44	15.26	15.18	15.10	14.92	14.72	14.53
	100	5500	13.46	13.38	13.29	13.17	12.98	12.78	12.75	12.62
	104	5520	12.66	12.48	12.33	12.17	12.13	11.97	11.94	11.92
	108	5540	12.64	12.60	12.54	12.47	12.30	12.18	12.09	12.02
	112	5560	12.60	12.48	12.42	12.39	12.27	12.27	12.18	11.99
	116	5580	14.39	14.26	14.24	14.16	14.07	13.95	13.82	13.82
	132	5660	13.00	12.83	12.64	12.52	12.32	12.19	12.00	11.88
	136	5680	12.93	12.90	12.88	12.80	12.78	12.61	12.52	12.47
	140	5700	13.37	13.32	13.24	13.23	13.17	13.11	12.97	12.91
	149	5745	**12.37**	12.30	12.24	12.06	11.96	11.87	11.68	11.60
	157	5785	11.56	11.50	11.37	11.34	11.28	11.16	11.00	10.93
	165	5825	10.68	10.48	10.46	10.45	10.35	10.27	10.25	10.19

Mode	channel	Frequency	Avg. Burst Power (dBm)							
			Data Rate(bps)							
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (20)	36	5180	14.10	14.01	13.81	13.64	13.54	13.46	13.45	13.31
	40	5200	14.36	14.19	14.03	13.87	13.69	13.56	13.41	13.36
	44	5220	14.08	13.89	13.82	13.81	13.67	13.48	13.32	13.16
	48	5240	14.87	14.85	14.79	14.74	14.70	14.67	14.65	14.46
	52	5260	14.81	14.71	14.65	14.51	14.35	14.26	14.22	14.17
	56	5280	14.29	14.27	14.23	14.15	14.12	14.07	14.01	13.83
	60	5300	14.91	14.84	14.74	14.62	14.58	14.48	14.35	14.25
	64	5320	14.83	14.76	14.69	14.52	14.36	14.18	14.08	13.93
	100	5500	13.83	13.82	13.77	13.73	13.65	13.51	13.43	13.30
	104	5520	13.80	13.77	13.63	13.54	13.41	13.24	13.19	13.16
	108	5540	13.66	13.57	13.47	13.39	13.30	13.28	13.14	13.10
	112	5560	13.78	13.67	13.51	13.41	13.25	13.25	13.19	12.99
	116	5580	**14.41**	13.99	13.92	13.78	13.63	13.62	13.48	13.46
	132	5660	12.30	12.24	12.11	12.09	12.06	12.03	11.87	11.69
	136	5680	13.02	12.93	12.77	12.64	12.47	12.41	12.27	12.09
	140	5700	13.21	13.01	12.97	12.80	12.73	12.58	12.48	12.35
	149	5745	12.25	12.21	12.12	11.97	11.96	11.78	11.78	11.61
	157	5785	11.42	11.24	11.17	11.03	10.93	10.77	10.65	10.46
	165	5825	10.49	10.31	10.24	10.09	10.02	9.85	9.79	9.72
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (40)	38	5190	10.84	10.66	10.57	10.55	10.37	10.25	10.14	10.00
	46	5230	11.62	11.51	11.47	11.37	11.28	11.16	11.02	10.83
	54	5270	11.52	11.35	11.29	11.28	11.10	11.07	10.98	10.82
	62	5310	12.08	11.99	11.80	11.71	11.70	11.54	11.37	11.31
	102	5510	11.61	11.47	11.40	11.27	11.25	11.17	11.00	10.88
	110	5550	12.52	12.48	12.31	12.11	12.03	11.94	11.92	11.87
	134	5670	11.95	11.94	11.85	11.71	11.51	11.47	11.30	11.13
	151	5755	12.10	11.99	11.89	11.87	11.72	11.63	11.48	11.30
	159	5795	11.25	11.19	11.02	11.00	10.87	10.73	10.73	10.61

Mode	channel	Frequency	Avg. Burst Power (dBm)							
			Data Rate(bps)							
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (20)	36	5180	13.61	13.46	13.29	13.11	13.03	12.94	12.78	12.78
	40	5200	14.10	14.04	13.88	13.79	13.77	13.73	13.54	13.52
	44	5220	12.76	12.64	12.51	12.35	12.24	12.14	12.14	11.97
	48	5240	14.97	14.77	14.61	14.44	14.28	14.17	14.10	14.02
	52	5260	14.88	14.80	14.67	14.65	14.63	14.43	14.38	14.37
	56	5280	14.35	14.29	14.16	14.14	14.08	13.95	13.82	13.64
	60	5300	15.01	14.82	14.81	14.67	14.50	14.36	14.35	14.26
	64	5320	15.06	15.06	15.03	14.87	14.81	14.62	14.49	14.48
	100	5500	13.21	13.05	12.98	12.79	12.72	12.59	12.42	12.30
	104	5520	12.69	12.56	12.48	12.41	12.33	12.31	12.29	12.20
	108	5540	12.84	12.78	12.70	12.67	12.60	12.53	12.40	12.20
	112	5560	12.62	12.47	12.45	12.38	12.32	12.20	12.17	11.99
	116	5580	14.35	14.30	14.22	14.07	14.01	13.81	13.77	13.64
	132	5660	12.66	12.49	12.41	12.38	12.37	12.22	12.21	12.05
	136	5680	12.54	12.38	12.30	12.20	12.05	12.03	11.89	11.79
	140	5700	13.03	12.85	12.65	12.60	12.44	12.43	12.28	12.14
	149	5745	12.23	12.17	12.12	12.00	11.88	11.81	11.72	11.64
	157	5785	11.31	11.24	11.18	11.16	11.09	10.95	10.81	10.78
	165	5825	10.53	10.41	10.32	10.14	9.97	9.91	9.80	9.75
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (40)	38	5190	10.99	10.87	10.79	10.66	10.65	10.57	10.52	10.34
	46	5230	11.77	11.77	11.66	11.50	11.33	11.25	11.07	11.05
	54	5270	11.72	11.68	11.48	11.40	11.22	11.21	11.14	10.98
	62	5310	12.07	11.93	11.88	11.75	11.65	11.60	11.53	11.33
	102	5510	12.27	12.23	12.17	12.02	11.87	11.68	11.52	11.35
	110	5550	12.41	12.25	12.13	11.96	11.81	11.65	11.63	11.56
	134	5670	12.11	12.09	11.94	11.85	11.70	11.64	11.49	11.31
	151	5755	12.15	12.09	12.08	12.06	12.05	12.04	11.86	11.76
	159	5795	11.10	11.03	10.89	10.69	10.51	10.32	10.30	10.23
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (80)	42	5210	10.56	10.47	10.37	10.28	10.24	10.18	10.09	10.00
	58	5290	11.59	11.45	11.31	11.12	11.01	10.91	10.83	10.74
	106	5530	9.85	9.65	9.55	9.36	9.30	9.18	9.06	8.91
	138	5690	9.96	9.81	9.74	9.64	9.52	9.39	9.35	9.18
	155	5775	11.37	11.24	11.08	10.96	10.94	10.86	10.81	10.65

13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

1. The EUT is a Smart Diagnostic System.

2. According to FCC PAG, Lab use 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 ≥0.8W/kg, testing for repeated SAR measurement is required , that the highest measured SAR is only to be tested. When the SAR results are near the limit, the following procedures are required for each device to verify these types of SAR measurement related variation concerns by repeating the highest measured SAR configuration in each frequency band.

   (1) When the original highest measured SAR is ≥0.8W/kg, repeat that measurement once.

   (2) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is >1.20 or when the original or repeated measurement is ≥1.45 W/kg.

   (3) Perform a third repeated measurement only if the original, first and second repeated measurement is ≥1.5 W/kg and ratio of largest to smallest SAR for the original, first and second measurement is ≥ 1.20.

3. 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.

4. 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,

5. 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.

(3) When the specified maximum output power is same for both UNII 1 and UNII 2A,begin SAR measuremengs in UNII 2A with the channel with the highest measured output power.If the report SAR for UNII 2A is <1.2W/kg,SAR is nor required for UNII 1;otherwise treat the remaining bands separately and test them independently for SAR.

(4) When the specified maximum output power 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 ≤1.2W/kg,testing for the band with the lower specicied output power is not required;otherwise test is remaining separately for SAR;

6. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:
Maximum Scaling SAR =tested SAR (Max.) ×[maximum turn-up power (mw)/ maximum measurement output power(mw)]

13.1.3. SAR Test Results Summary

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 54.5					
Product: Smart Diagnostic System									
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)**	**Scaled SAR (W/kg)**	**Limit W/kg**
P01V71									
Body back	DTS	6	2437	-0.27	0.238	15.90	15.26	0.276	1.6
Body front	DTS	1	2412	0.17	0.289	15.90	15.87	0.291	1.6
Body front	DTS	6	2437	-0.04	**0.308**	15.90	15.26	0.357	1.6
Body front	DTS	11	2462	-0.31	0.286	15.90	14.73	**0.374**	1.6
Edge 2 (Right)	DTS	6	2437	-0.14	0.135	15.90	15.26	0.156	1.6
Edge 3 (Bottom)	DTS	6	2437	0.01	0.073	15.90	15.26	0.085	1.6
P701									
Body back	DTS	1	2412	-0.30	0.199	15.90	15.87	0.200	1.6
Body back	DTS	6	2437	0.00	**0.246**	15.90	15.26	0.285	1.6
Body back	DTS	11	2462	-0.21	0.239	15.90	14.73	**0.313**	1.6
Body front	DTS	6	2437	-0.01	0.164	15.90	15.26	0.190	1.6
Edge 4 (Left)	DTS	6	2437	0.19	0.174	15.90	15.26	0.202	1.6
P711									
Body back	DTS	1	2412	-0.07	0.471	15.90	15.26	0.546	1.6
Body front	DTS	6	2437	0.18	0.327	15.90	15.26	0.379	1.6
Edge 1 (Top)	DTS	11	2462	-0.14	0.603	15.90	15.87	0.607	1.6
Edge 1 (Top)	DTS	6	2437	0.20	0.603	15.90	15.26	0.699	1.6
Edge 1 (Top)	DTS	6	2437	-0.29	**0.620**	15.90	14.73	**0.812**	1.6
Edge 4 (Left)	DTS	6	2437	-0.11	0.086	15.90	15.26	0.100	1.6

Note:
- When the 1-g SAR is ≤ 0.8W/kg, testing for low and high channel is optional.
- The test separation of all above table(body part) is 0mm.
- Plots are only shown for the bold markered worst case SAR results.

SAR MEASUREMENT								
Depth of Liquid (cm):>15			Relative Humidity (%): 43.7					
Product: Smart Diagnostic System								
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)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
P01V71								
Body back	36	5180	-0.02	0.457	15.30	14.05	**0.609**	1.6
Body back	40	5200	0.00	0.478	15.30	14.39	0.589	1.6
Body back	48	5240	-0.18	**0.489**	15.30	15.23	0.497	1.6
Body front	40	5200	0.03	0.172	15.30	14.39	0.212	1.6
Edge 2 (Right)	40	5200	-0.19	0.114	15.30	14.39	0.141	1.6
Edge 3 (Bottom)	40	5200	0.24	0.150	15.30	14.39	0.185	1.6
P701								
Body back	36	5180	-0.23	0.336	15.30	14.05	**0.448**	1.6
Body back	40	5200	0.22	0.310	15.30	14.39	0.382	1.6
Body back	48	5240	-0.32	**0.342**	15.30	15.23	0.348	1.6
Body front	40	5200	-0.19	0.124	15.30	14.39	0.153	1.6
Edge 4 (Left)	40	5200	-0.15	0.168	15.30	14.39	0.207	1.6
P711								
Body back	36	5180	-0.02	0.452	15.30	14.05	**0.603**	1.6
Body back	40	5200	0.03	0.418	15.30	14.39	0.515	1.6
Body back	48	5240	-0.18	**0.474**	15.30	15.23	0.482	1.6
Body front	40	5200	-0.03	0.109	15.30	14.39	0.134	1.6
Edge 1 (Top)	40	5200	0.19	0.271	15.30	14.39	0.334	1.6
Edge 4 (Left)	40	5200	0.24	0.072	15.30	14.39	0.089	1.6

Note:
- When the 1-g SAR is ≤ 0.8W/kg, testing for low and high channel is optional.
- The test separation of all above table(body part) is 0mm.
- Plots are only shown for the bold markered worst case SAR results

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 49.2				
Product: Smart Diagnostic System								
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)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
P01V71								
Body back	52	5260	-0.04	0.507	15.60	15.24	0.551	1.6
Body back	60	5300	0.26	**0.598**	15.60	15.52	**0.609**	1.6
Body back	64	5320	0.04	0.524	15.60	15.53	0.533	1.6
Body front	60	5300	-0.33	0.187	15.60	15.52	0.190	1.6
Edge 2 (Right)	60	5300	-0.05	0.117	15.60	15.52	0.119	1.6
Edge 3 (Bottom)	60	5300	-0.22	0.151	15.60	15.52	0.154	1.6
P701								
Body back	52	5260	-0.19	0.364	15.60	15.24	**0.395**	1.6
Body back	60	5300	0.13	0.377	15.60	15.52	0.384	1.6
Body back	64	5320	0.29	**0.387**	15.60	15.53	0.393	1.6
Body front	60	5300	-0.09	0.174	15.60	15.52	0.177	1.6
Edge 4 (Left)	60	5300	-0.30	0.233	15.60	15.52	0.237	1.6
P711								
Body back	52	5260	-0.01	0.491	15.60	15.24	**0.533**	1.6
Body back	60	5300	0.07	0.433	15.60	15.52	0.441	1.6
Body back	64	5320	0.03	**0.506**	15.60	15.53	0.514	1.6
Body front	60	5300	-0.25	0.098	15.60	15.52	0.100	1.6
Edge 1 (Top)	60	5300	0.31	0.312	15.60	15.52	0.318	1.6
Edge 4 (Left)	60	5300	-0.15	0.074	15.60	15.52	0.075	1.6

Note:
- When the 1-g SAR is ≤ 0.8W/kg, testing for low and high channel is optional.
- The test separation of all above table(body part) is 0mm.
- Plots are only shown for the bold markered worst case SAR results

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 60.7				
Product: Smart Diagnostic System								
Test Mode: 5.6GHz 802.11n(20)								
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**SAR (1g) (W/kg)**	**Max. Tune-up Power (dBm)**	**Meas. output Power (dBm)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
P01V71								
Body back	100	5500	-0.32	**0.423**	14.50	13.83	0.494	1.6
Body back	116	5580	0.33	0.249	14.50	14.41	0.254	1.6
Body back	140	5700	-0.11	0.414	14.50	13.21	**0.557**	1.6
Body front	116	5580	-0.10	0.127	14.50	14.41	0.130	1.6
Edge 2 (Right)	116	5580	0.12	0.120	14.50	14.41	0.123	1.6
Edge 3 (Bottom)	116	5580	0.16	0.136	14.50	14.41	0.139	1.6
P701								
Body back	100	5500	-0.24	**0.329**	14.50	13.83	**0.384**	1.6
Body back	116	5580	0.16	0.287	14.50	14.41	0.293	1.6
Body back	140	5700	-0.19	0.267	14.50	13.21	0.359	1.6
Body front	116	5580	-0.14	0.262	14.50	14.41	0.267	1.6
Edge 4 (Left)	116	5580	0.15	0.285	14.50	14.41	0.291	1.6
P711								
Body back	100	5500	-0.06	0.320	14.50	13.83	0.373	1.6
Body back	116	5580	0.23	**0.344**	14.50	14.41	0.351	1.6
Body back	140	5700	-0.14	0.290	14.50	13.21	**0.390**	1.6
Body front	116	5580	-0.31	0.123	14.50	14.41	0.126	1.6
Edge 1 (Top)	116	5580	-0.22	0.221	14.50	14.41	0.226	1.6
Edge 4 (Left)	116	5580	0.30	0.080	14.50	14.41	0.082	1.6

Note:
- When the 1-g SAR is ≤ 0.8W/kg, testing for low and high channel is optional.
- The test separation of all above table(body part) is 0mm.
- Plots are only shown for the bold markered worst case SAR results

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 50.4				
Product: Smart Diagnostic System								
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)**	**Scaled SAR (W/kg)**	**Limit (W/kg)**
P01V71								
Body back	149	5745	-0.17	**0.351**	12.40	12.37	0.353	1.6
Body back	157	5785	0.26	0.310	12.40	11.56	0.376	1.6
Body back	165	5825	-0.32	0.350	12.40	10.68	**0.520**	1.6
Body front	157	5785	0.01	0.154	12.40	11.56	0.187	1.6
Edge 2 (Right)	157	5785	-0.15	0.145	12.40	11.56	0.176	1.6
Edge 3 (Bottom)	157	5785	-0.03	0.159	12.40	11.56	0.193	1.6
P701								
Body back	149	5745	-0.23	0.163	12.40	12.37	0.164	1.6
Body back	157	5785	0.03	**0.168**	12.40	11.56	0.204	1.6
Body back	165	5825	0.17	0.148	12.40	10.68	**0.220**	1.6
Body front	157	5785	0.12	0.137	12.40	11.56	0.166	1.6
Edge 4 (Left)	157	5785	-0.02	0.163	12.40	11.56	0.198	1.6
P711								
Body back	5745	149	-0.10	0.186	12.40	12.37	0.187	1.6
Body back	5785	157	0.01	0.295	12.40	11.56	0.358	1.6
Body back	5825	165	-0.33	**0.299**	12.40	10.68	**0.444**	1.6
Body front	5785	157	-0.28	0.099	12.40	11.56	0.120	1.6
Edge 1 (Top)	5785	157	-0.23	0.151	12.40	11.56	0.183	1.6
Edge 4 (Left)	5785	157	0.30	0.065	12.40	11.56	0.079	1.6

Note:
- When the 1-g SAR is ≤ 0.8W/kg, testing for low and high channel is optional.
- The test separation of all above table(body part) is 0mm.
- Plots are only shown for the bold markered worst case SAR results

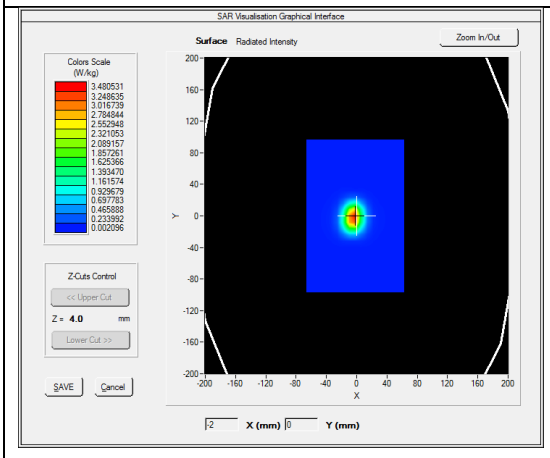
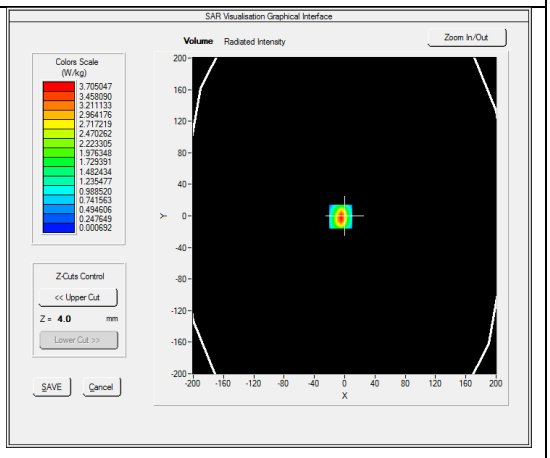
APPENDIX A. SAR SYSTEM CHECK DATA

Test Laboratory: AGC Lab **Date: Oct. 18, 2024**
System Check Head 2450 MHz
DUT: Dipole 2450 MHz Type: SID 2450
Communication System: CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1; Conv.F=2.16
Frequency: 2450 MHz; Medium parameters used: f = 2450 MHz; σ =1.79 mho/m; εr =38.17; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=18dBm
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.9

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

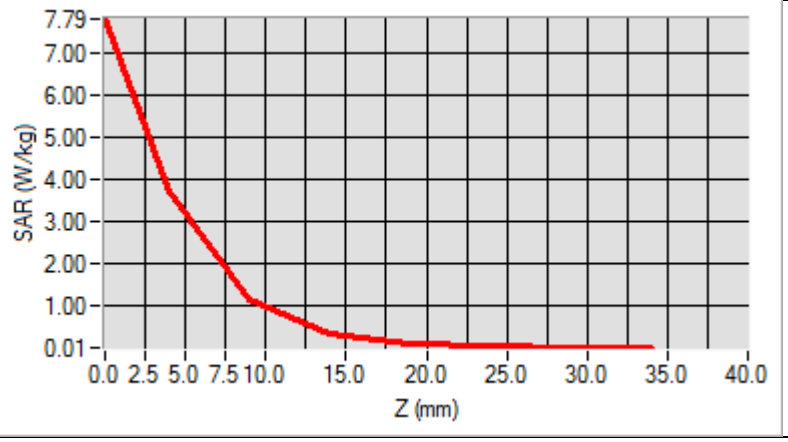
Configuration/System Check 2450 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2450 MHz Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

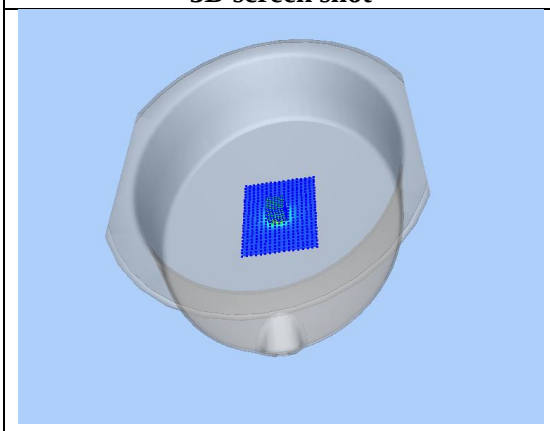
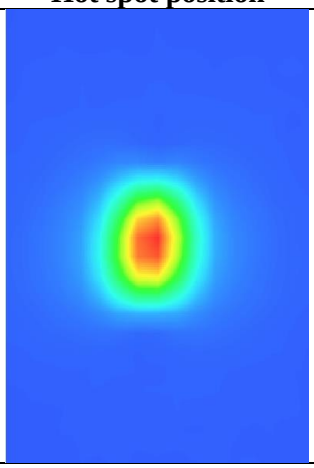
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-5.00, Y=-1.00
SAR Peak: 7.61 W/kg

SAR 10g (W/Kg)	1.393602
SAR 1g (W/Kg)	3.476868

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	7.7824	3.7063	1.1284	0.3526	0.1134	0.0485	0.0142



3D screen shot	Hot spot position
	

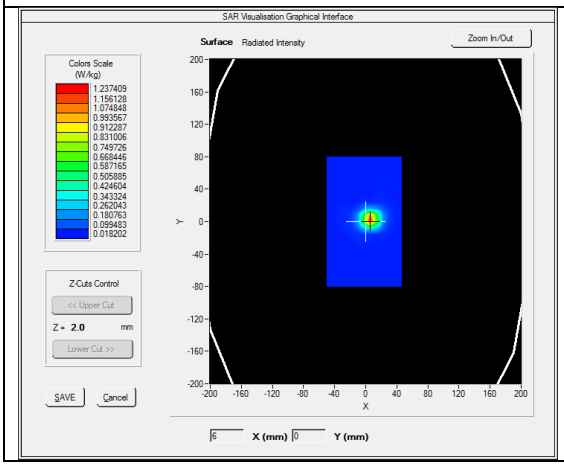
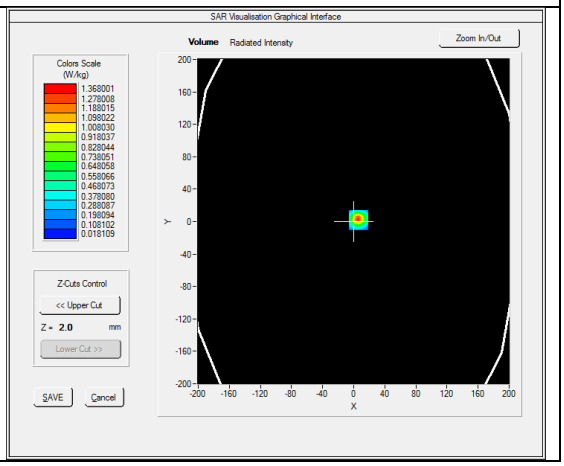
Test Laboratory: AGC Lab **Date: Oct. 15, 2024**
System Check Head 5200 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.53
Frequency: 5200 MHz; Medium parameters used: f = 5250 MHz; σ =4.48 mho/m; εr =35.31; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 20.6, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

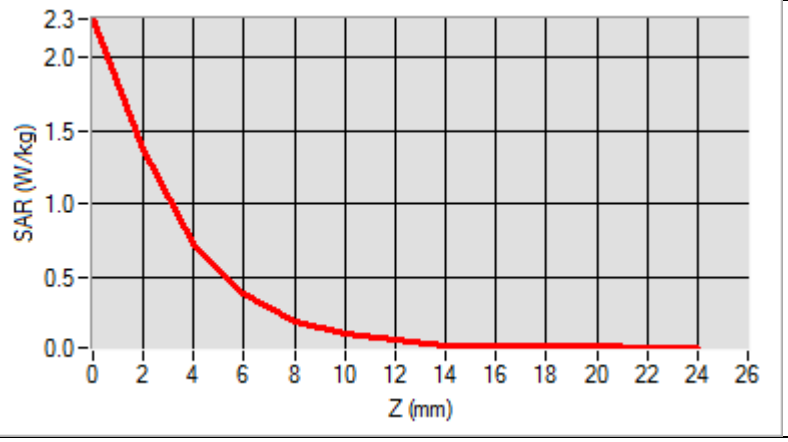
Configuration/System Check 5200 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5200 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

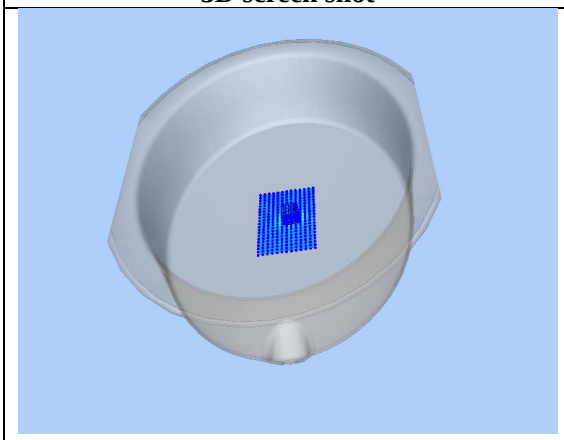
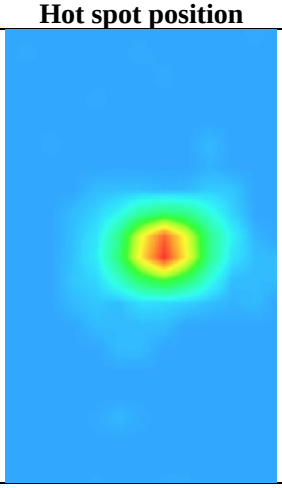
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=2.00
SAR Peak: 2.39 W/kg

SAR 10g (W/Kg)	0.225175
SAR 1g (W/Kg)	0.724093

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)	2.2636	1.3680	0.7298	0.3888	0.2017	0.1199	0.0720	0.0349	0.0288	0.0302	0.0302	0.0210



3D screen shot	Hot spot position
	

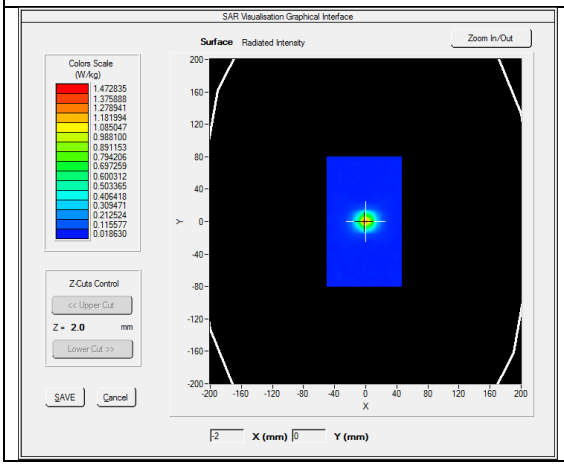
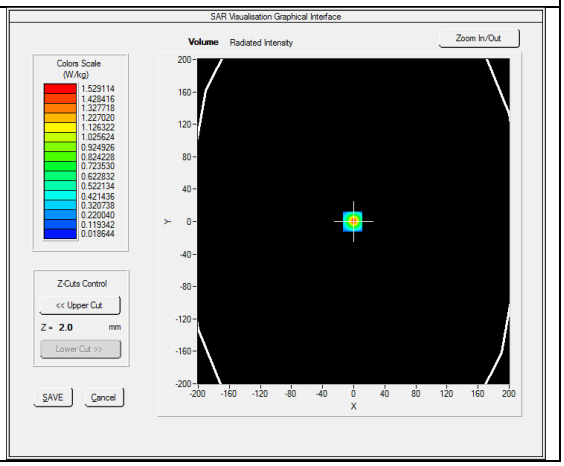
Test Laboratory: AGC Lab **Date: Oct. 16, 2024**
System Check Head 5300 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.53
Frequency: 5300 MHz; Medium parameters used: f = 5250 MHz; σ =4.76 mho/m; εr =35.91; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.2

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

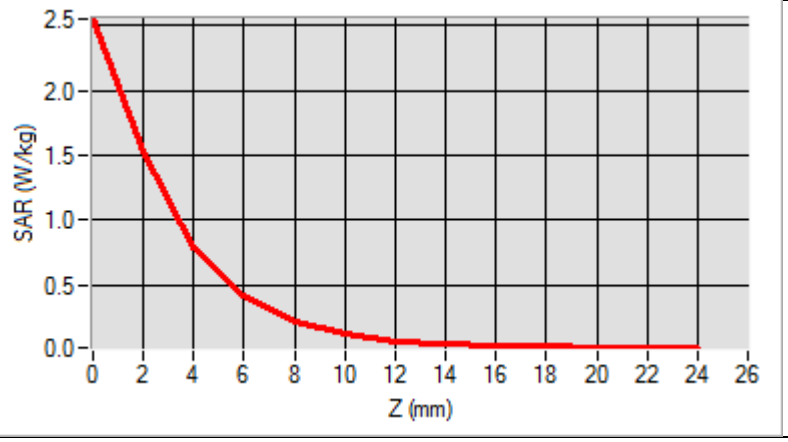
Configuration/System Check 5300 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5300 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

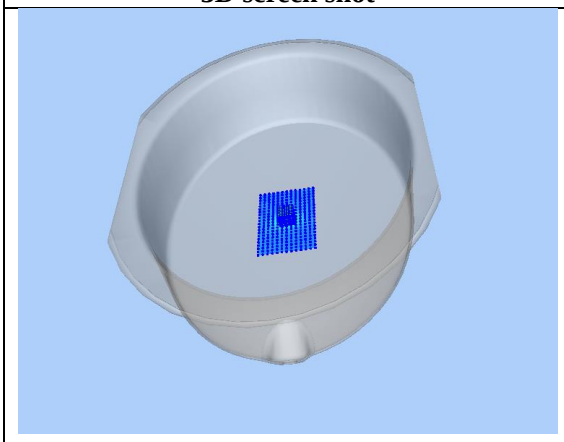
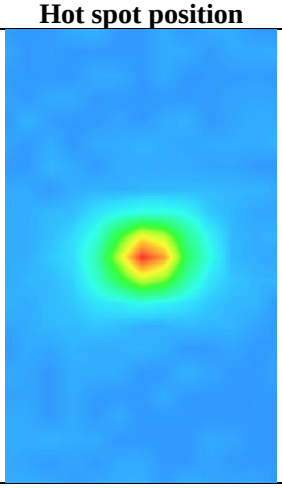
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-1.00, Y=0.00
SAR Peak: 2.68 W/kg

SAR 10g (W/Kg)	0.247022
SAR 1g (W/Kg)	0.801191

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)	2.5485	1.5291	0.7948	0.4222	0.2200	0.1272	0.0616	0.0419	0.0283	0.0330	0.0188	0.0208



3D screen shot	Hot spot position
	

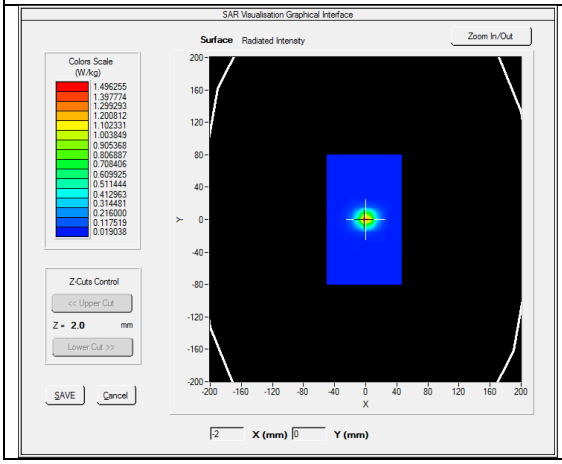
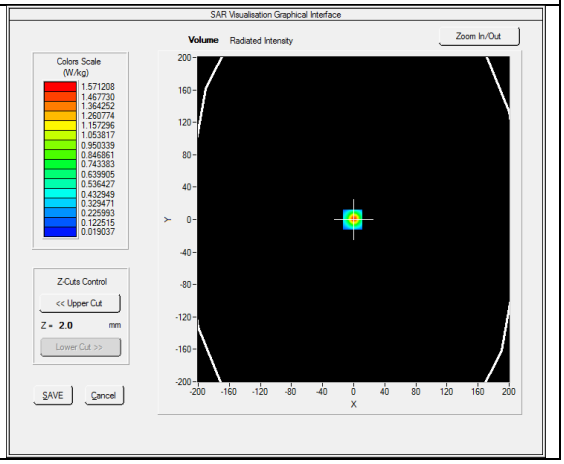
Test Laboratory: AGC Lab **Date: Oct. 19, 2024**
System Check Head 5600 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.24
Frequency: 5600 MHz; Medium parameters used: f = 5600 MHz; σ =5.18 mho/m; εr =34.61; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

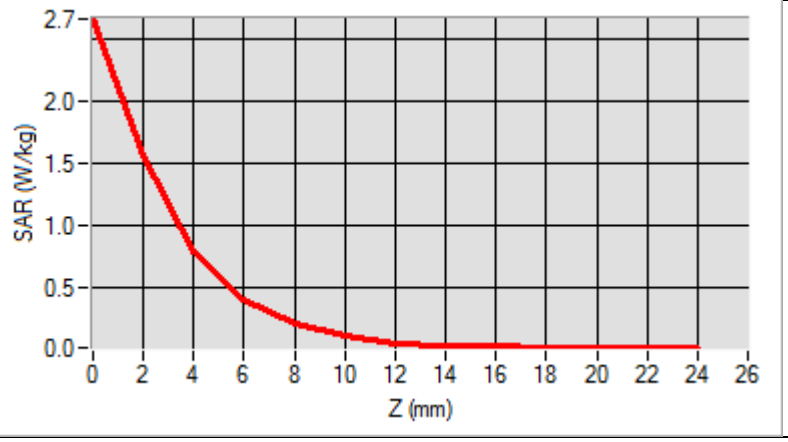
Configuration/System Check 5600 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5600 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

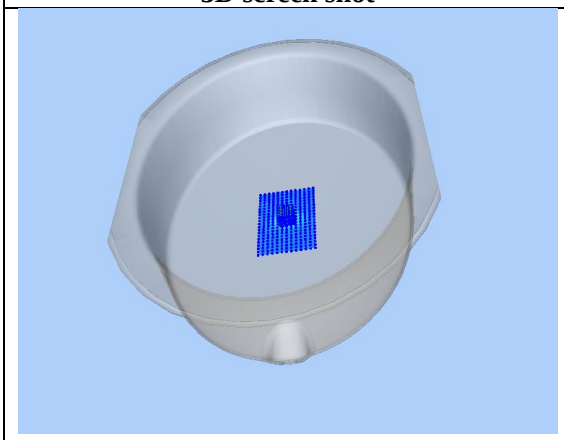
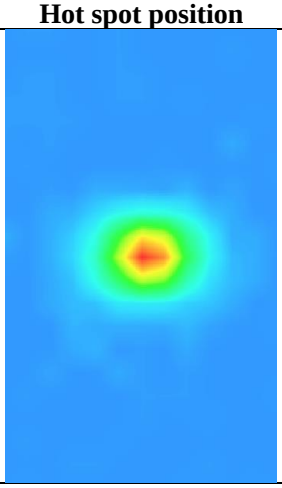
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-1.00, Y=0.00
SAR Peak: 2.85 W/kg

SAR 10g (W/Kg)	0.255083
SAR 1g (W/Kg)	0.834699

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)	2.6592	1.5737	0.7912	0.4060	0.2109	0.1166	0.0587	0.0380	0.0302	0.0249	0.0201	0.0200



3D screen shot	Hot spot position
	

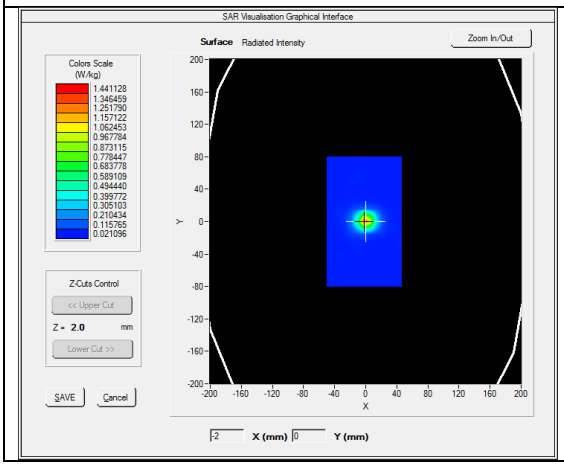
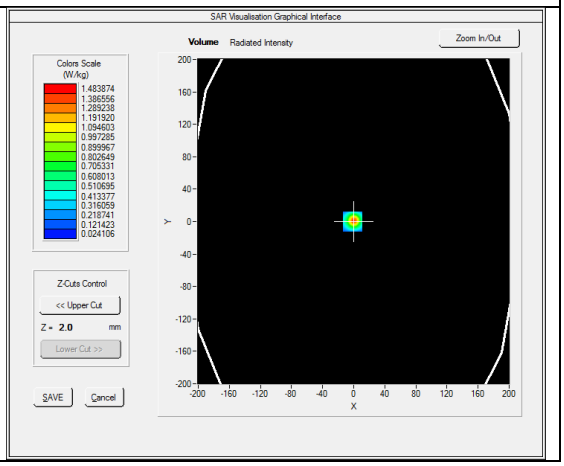
Test Laboratory: AGC Lab **Date: Oct. 17, 2024**
System Check Head 5800 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.37
Frequency: 5800 MHz; Medium parameters used: f = 5800 MHz; σ =5.24 mho/m; εr =36.20; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 19.7, Liquid temperature (℃): 19.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

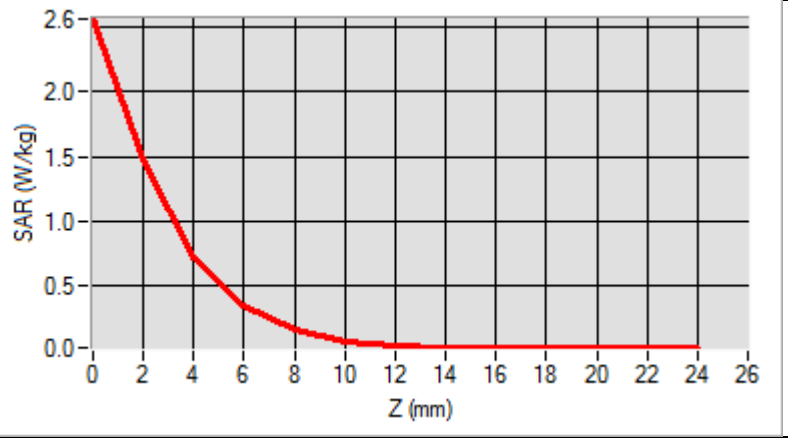
Configuration/System Check 5800 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5800 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

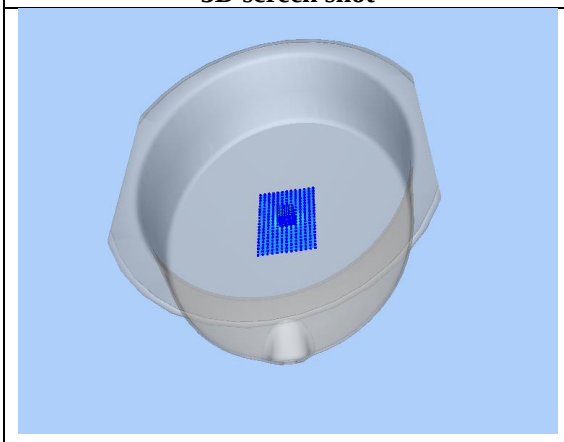
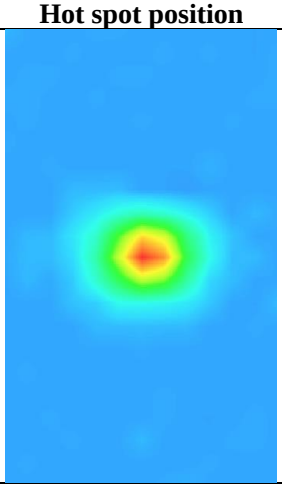
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-1.00, Y=0.00
SAR Peak: 2.73 W/kg

SAR 10g (W/Kg)	0.241209
SAR 1g (W/Kg)	0.786822

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)	2.5595	1.4839	0.7188	0.3443	0.1705	0.0775	0.0470	0.0269	0.0244	0.0268	0.0243	0.0242



3D screen shot	Hot spot position
	

APPENDIX B. SAR MEASUREMENT DATA

P01V71
2.4GHz 802.11b
Test Laboratory: AGC Lab **Date: Oct. 18, 2024**
802.11b Mid- Front
DUT: Smart Diagnostic System; Type: P01V71

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 99%; Conv.F=2.16; Frequency: 2437 MHz; Medium parameters used: f = 2450 MHz; σ= 1.76mho/m; εr =39.62; ρ= 1000 kg/m³ ; Phantom section: Flat Section

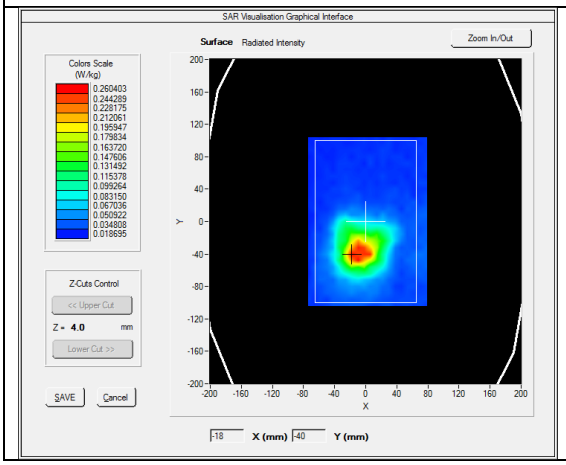
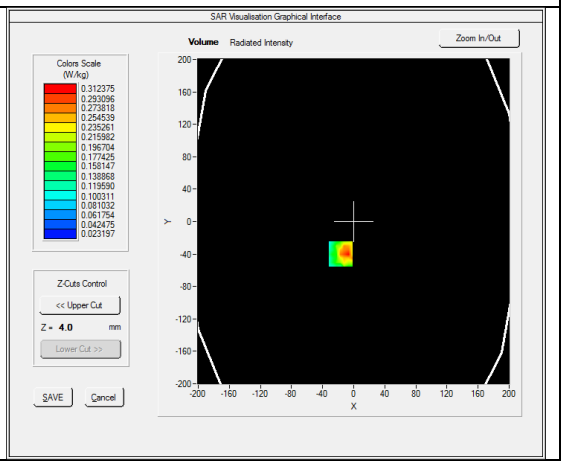
Ambient temperature (℃):21.2, Liquid temperature (℃): 20.9

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11b Mid- Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11b Mid- Front /Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Front
Band	2450MHz
Channels	Middle
Signal	Crest factor: 1.01

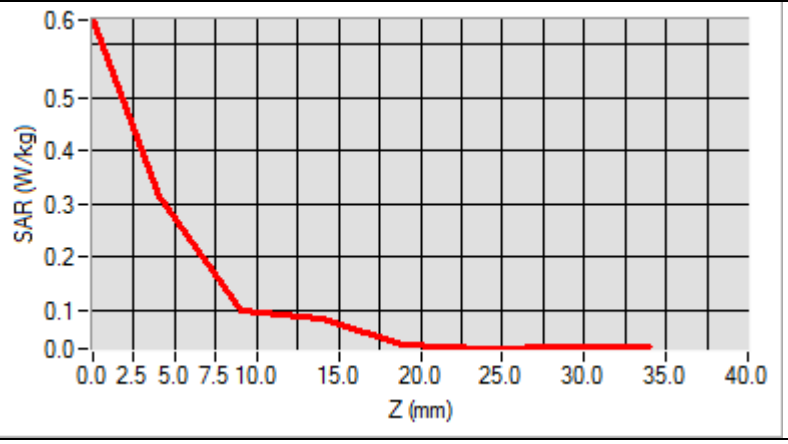
SURFACE SAR	VOLUME SAR
	

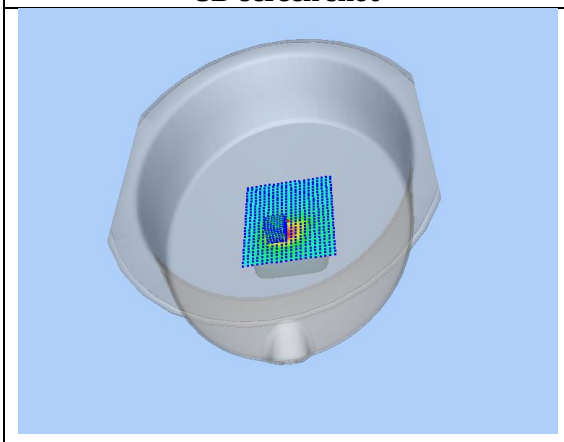
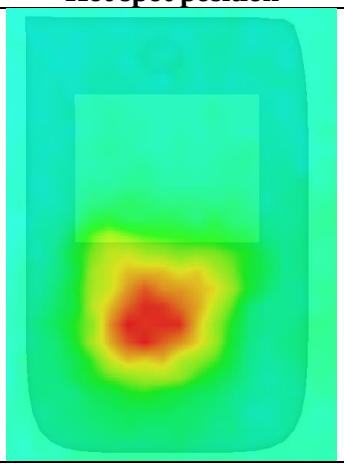
Maximum location: X=-17.00, Y=-40.00
SAR Peak: 0.72 W/kg

SAR 10g (W/Kg)	0.143703

SAR 1g (W/Kg)	0.308125

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6463	0.3124	0.0977	0.0827	0.0354	0.0273	0.0307



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 18, 2024**
802.11b High- Front
DUT: Smart Diagnostic System; Type: P01V71

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 99%; Conv.F=2.16; Frequency: 2462 MHz; Medium parameters used: f = 2450 MHz; σ= 1.81mho/m; ε_r =37.43; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

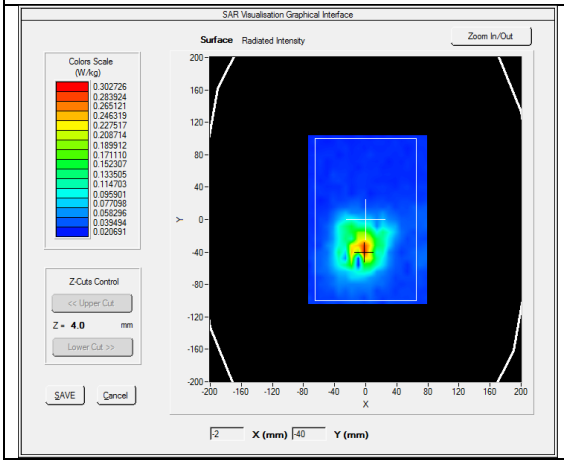
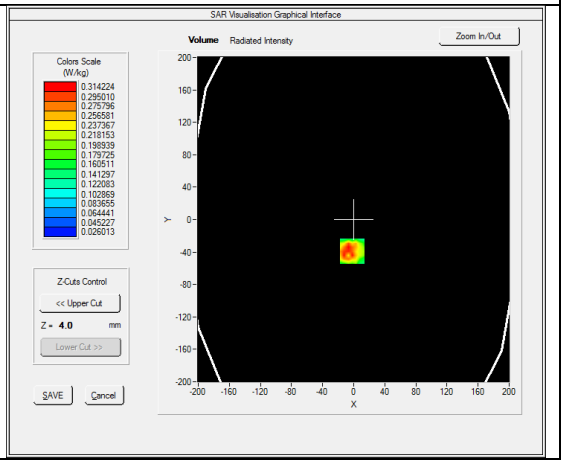
Ambient temperature (℃):21.2, Liquid temperature (℃): 20.9

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11b High - Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11b High - Front /Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

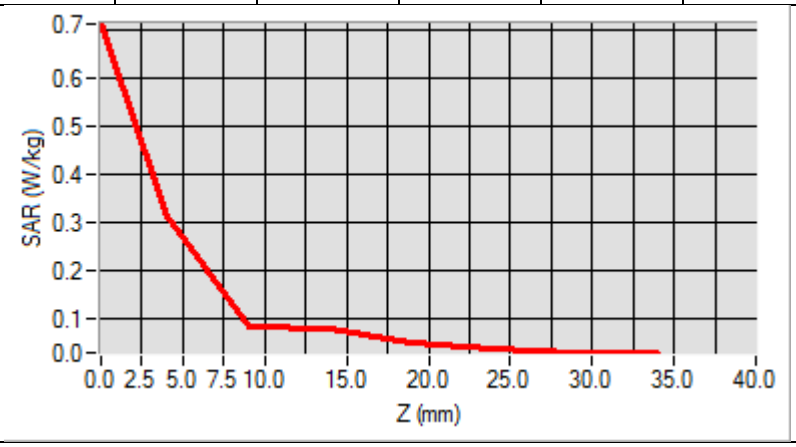
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Front
Band	2450MHz
Channels	High
Signal	Crest factor: 1.01

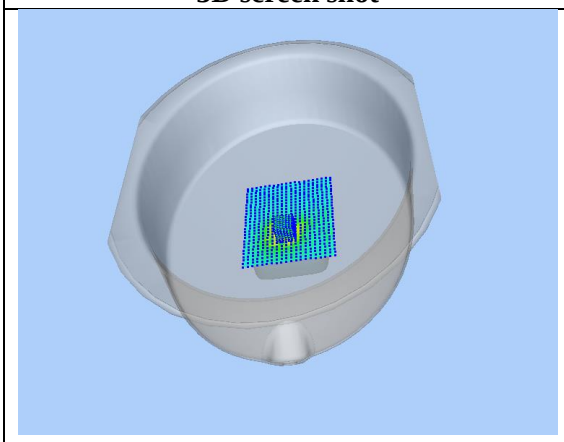
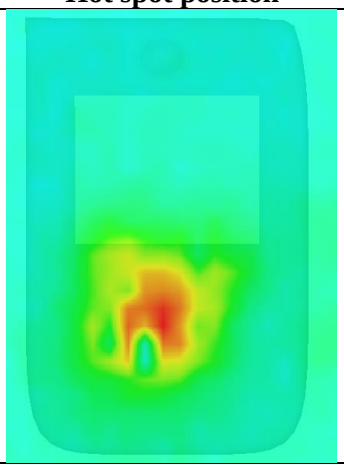
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-2.00, Y=-39.00
SAR Peak: 0.62 W/kg

SAR 10g (W/Kg)	0.155285
SAR 1g (W/Kg)	0.286447

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.7120	0.3142	0.0872	0.0826	0.0528	0.0384	0.0313



3D screen shot	Hot spot position
	

5.2GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 15, 2024**
802.11a CH36- Back
DUT: Smart Diagnostic System; Type: P01V71

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 97%; Conv.F=1.53; Frequency: 5180MHz; Medium parameters used: f = 5250 MHz; σ= 4.43mho/m; εr =36.72; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

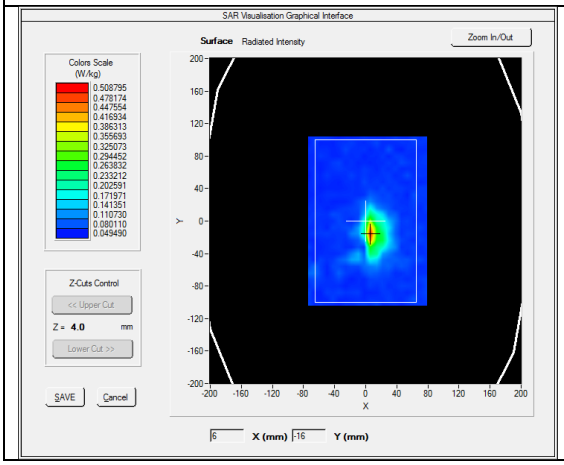
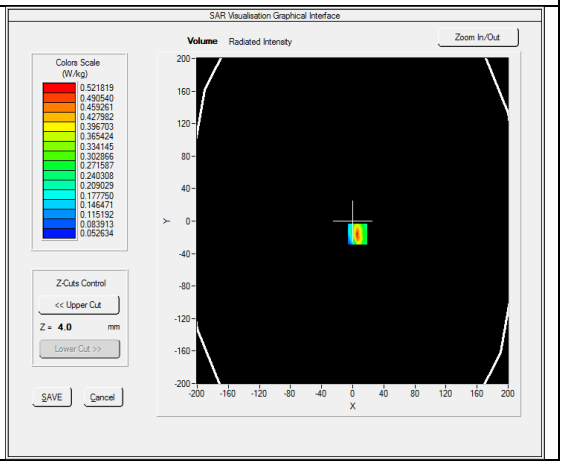
Ambient temperature (℃): 20.6, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11a CH36- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH36- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

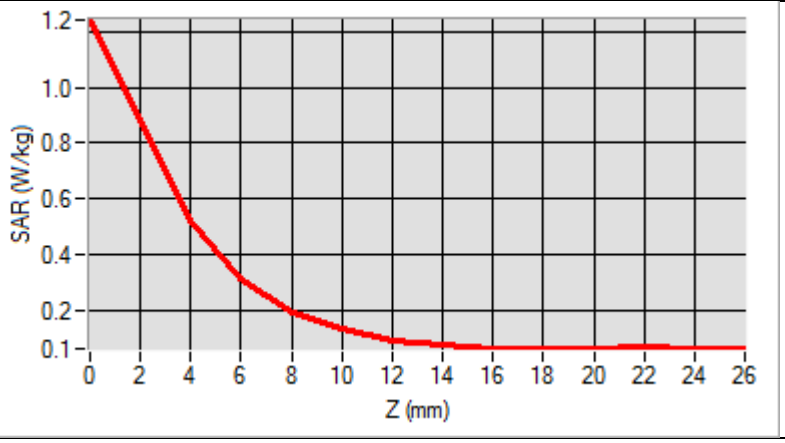
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5200MHz
Channels	CH36
Signal	Crest factor: 1.03

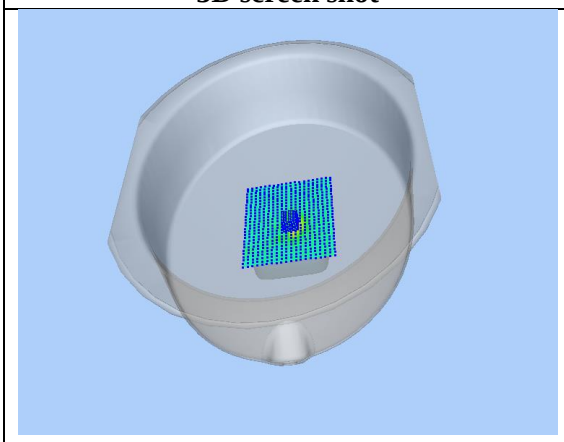
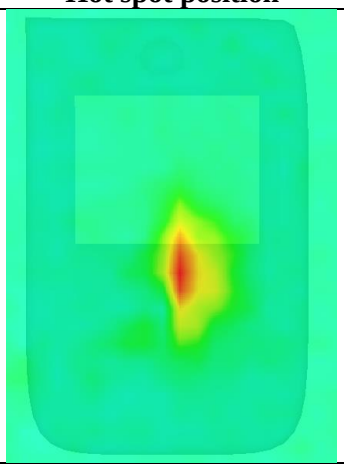
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=-16.00
SAR Peak: 1.22 W/kg

SAR 10g (W/Kg)	0.193301
SAR 1g (W/Kg)	0.457449

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	1.2421	0.5218	0.3097	0.1888	0.1307	0.0911	0.0769	0.0599	0.0616	0.0606	0.0659	0.0605



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 15, 2024**
802.11a CH48- Back
DUT: Smart Diagnostic System; Type: P01V71

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 97%; Conv.F=1.53; Frequency: 5240MHz; Medium parameters used: f = 5250 MHz; σ= 4.51mho/m; εr =34.66; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

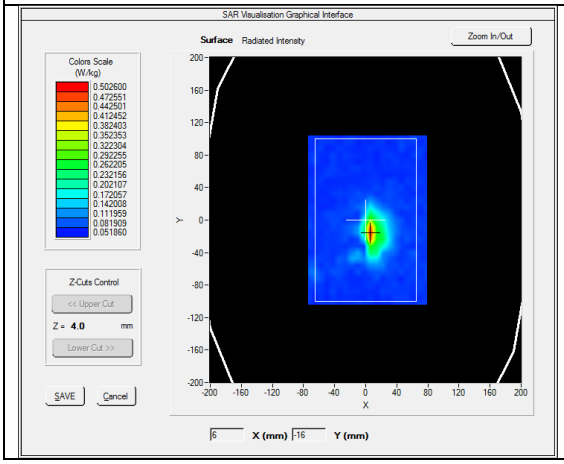
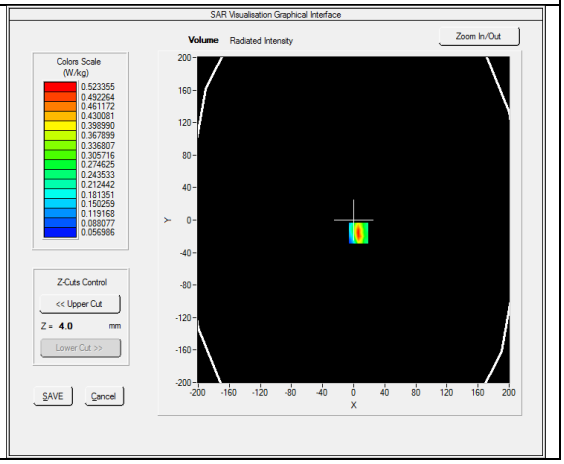
Ambient temperature (℃): 20.6, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11a CH48- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH48- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

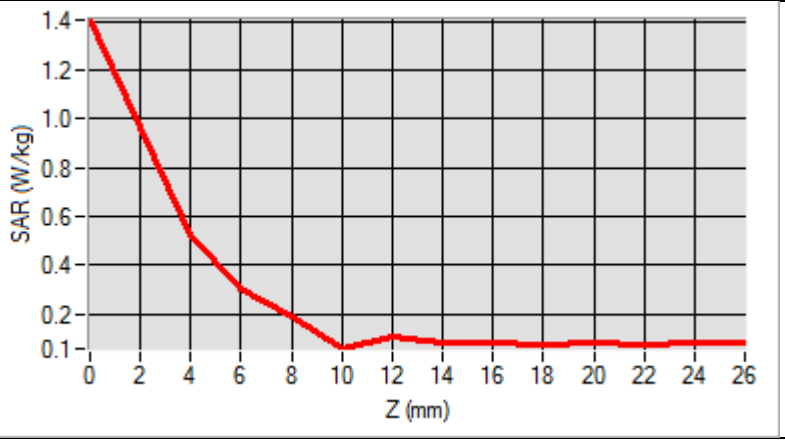
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5200MHz
Channels	CH48
Signal	Crest factor: 1.03

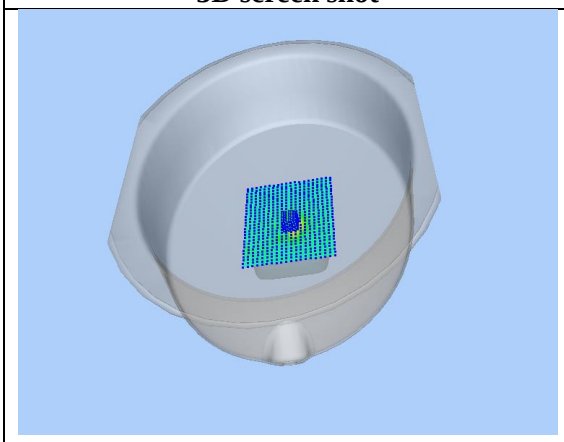
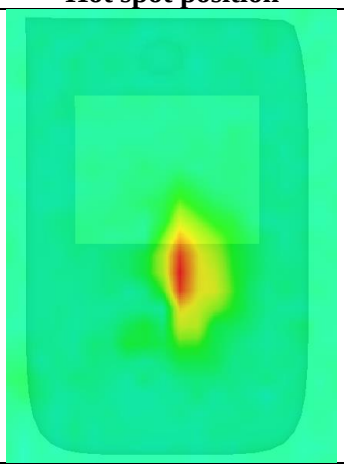
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=-16.00
SAR Peak: 1.37 W/kg

SAR 10g (W/Kg)	0.203811
SAR 1g (W/Kg)	0.489392

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	1.4060	0.5234	0.3071	0.1864	0.0570	0.1068	0.0858	0.0838	0.0751	0.0781	0.0758	0.0823



3D screen shot	Hot spot position
	

5.3GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 16, 2024**
802.11a CH60- Back
DUT: Smart Diagnostic System; Type: P01V71

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 94%; Conv.F=1.53; Frequency: 5300MHz; Medium parameters used: f = 5250 MHz; σ= 4.76mho/m; εr =35.91; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

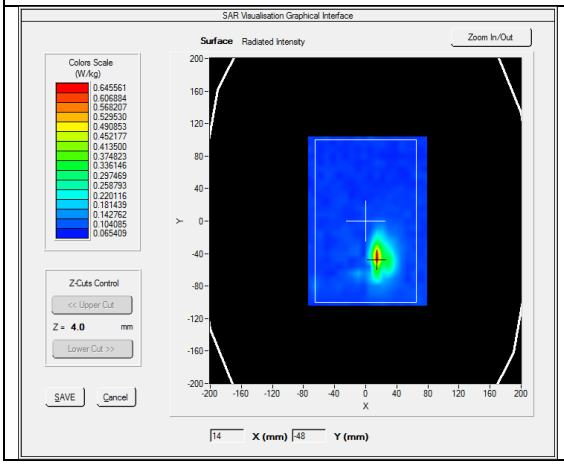
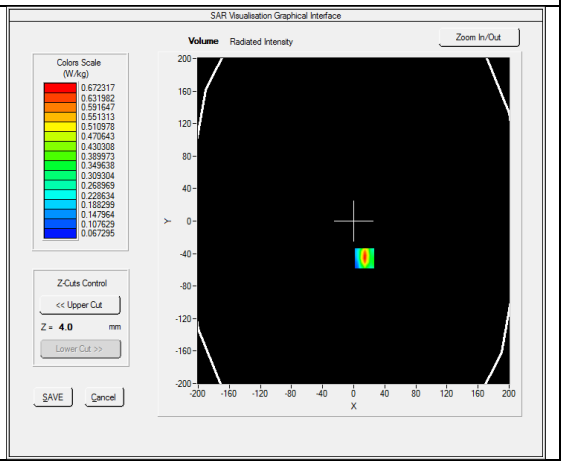
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.2

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11a CH60- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH60- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

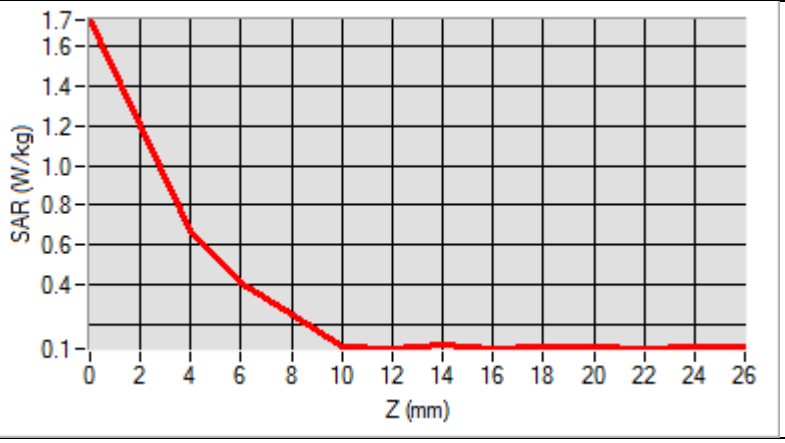
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5300MHz
Channels	CH60
Signal	Crest factor: 1.06

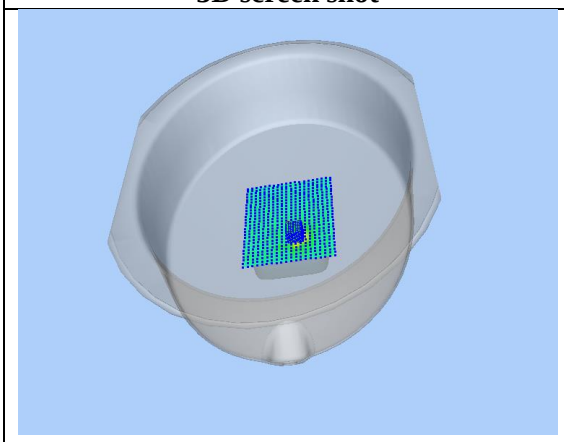
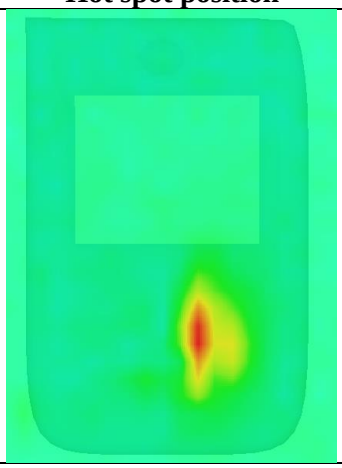
SURFACE SAR	VOLUME SAR
	

Maximum location: X=14.00, Y=-46.00
SAR Peak: 1.70 W/kg

SAR 10g (W/Kg)	0.234565
SAR 1g (W/Kg)	0.597848

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	1.7317	0.6723	0.4069	0.2459	0.0847	0.0821	0.0927	0.0775	0.0902	0.0860	0.0801	0.0854



3D screen shot	Hot spot position
	

5.6GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 19, 2024**
802.11n20 CH100- Back
DUT: Smart Diagnostic System; Type: P01V71

Communication System: Wi-Fi; Communication System Band: 802.11n20; Duty Cycle: 98%; Conv.F=1.24; Frequency: 5500MHz; Medium parameters used: f = 5600 MHz; σ= 5.13mho/m; εr =36.28; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

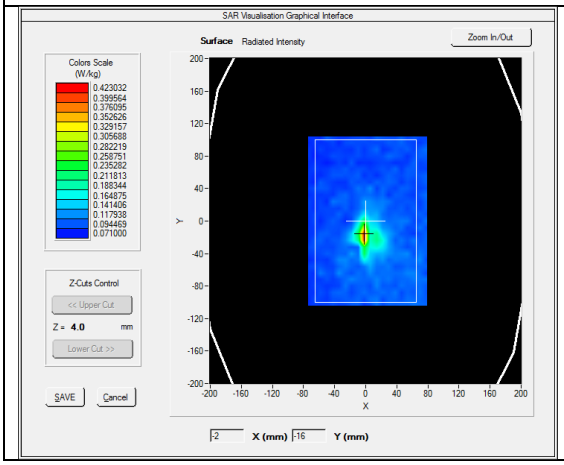
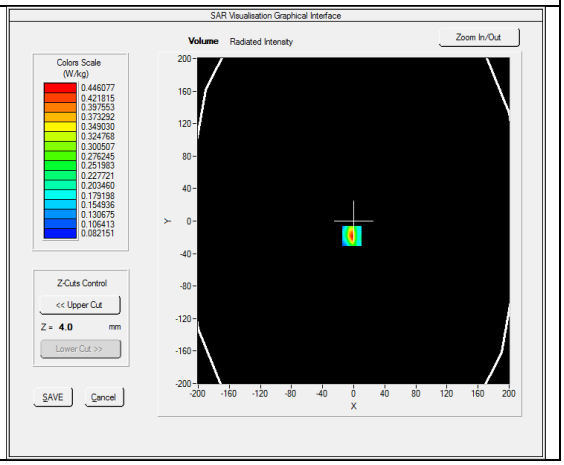
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11n20 CH100- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n20 CH100- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

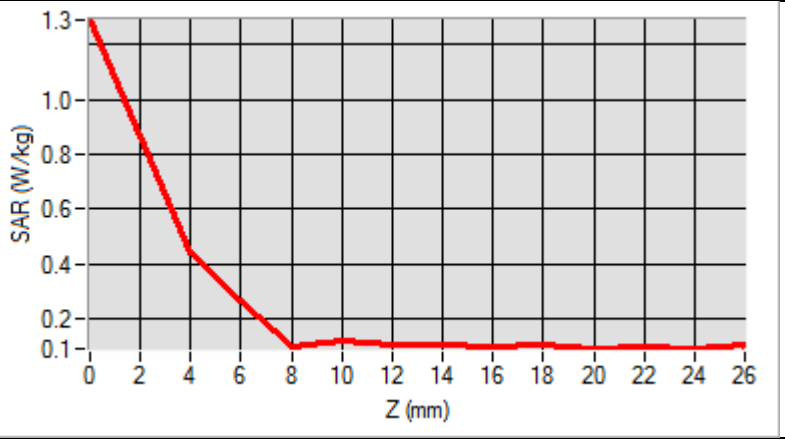
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5600MHz
Channels	CH100
Signal	Crest factor: 1.02

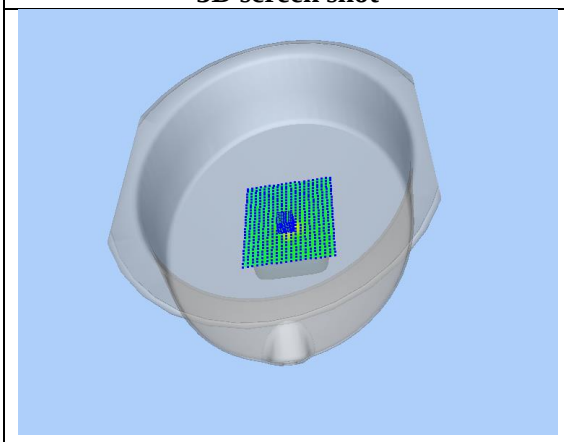
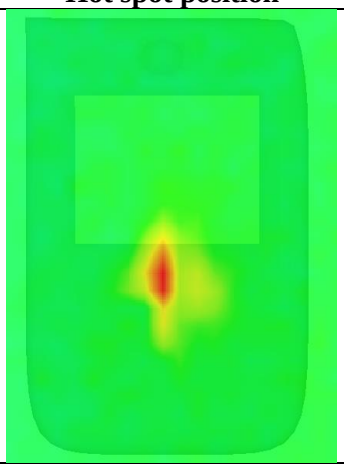
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-2.00, Y=-18.00
SAR Peak: 1.28 W/kg

SAR 10g (W/Kg)	0.186055
SAR 1g (W/Kg)	0.423198

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	1.2897	0.4461	0.2683	0.1002	0.1250	0.1079	0.1056	0.0964	0.1040	0.0949	0.1020	0.0922



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 19, 2024**
802.11n20 CH140- Back
DUT: Smart Diagnostic System; Type: P01V71

Communication System: Wi-Fi; Communication System Band: 802.11n20; Duty Cycle: 98%; Conv.F=1.24; Frequency: 5700MHz; Medium parameters used: f = 5600 MHz; σ= 5.21mho/m; εr =34.02; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

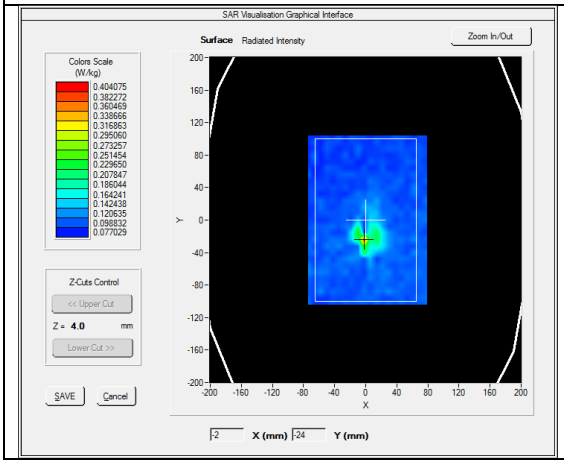
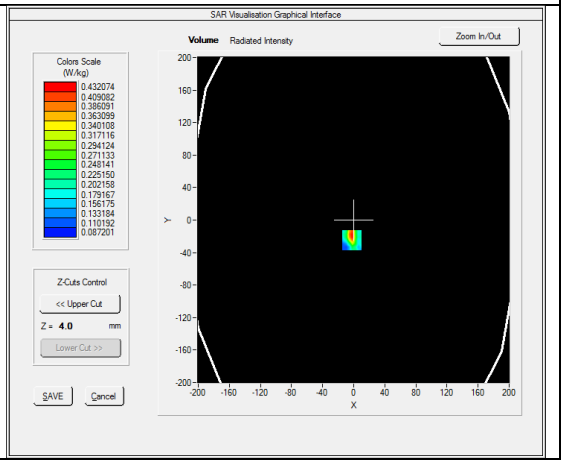
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11n20 CH140- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n20 CH140- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

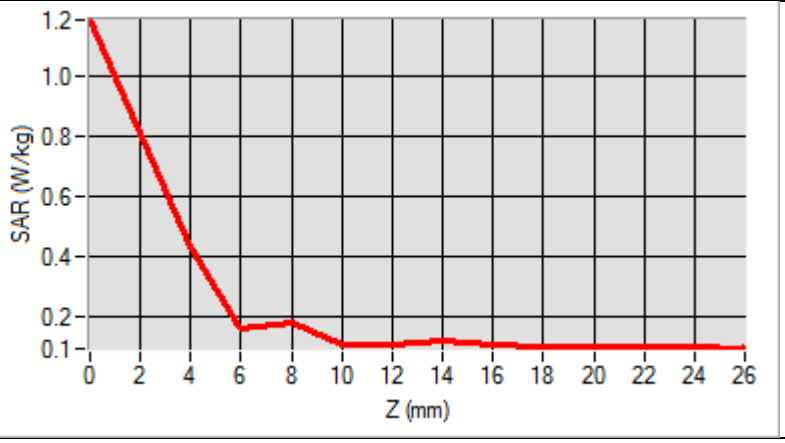
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5600MHz
Channels	CH140
Signal	Crest factor: 1.02

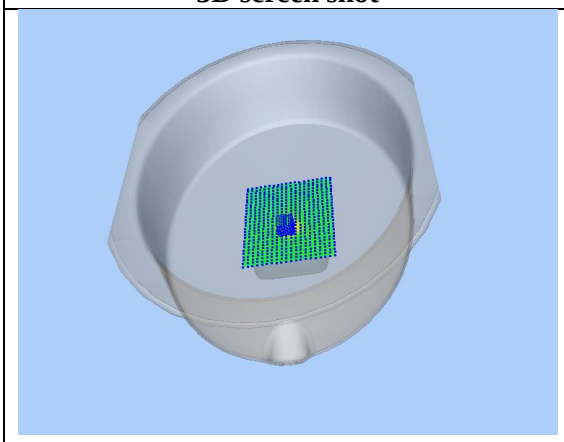
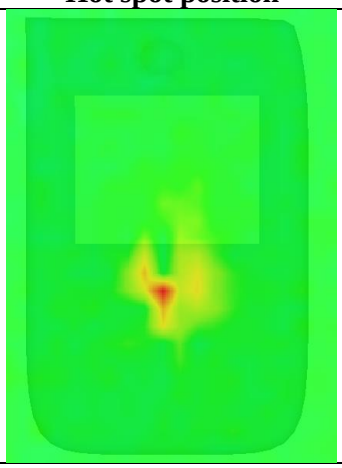
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-2.00, Y=-25.00
SAR Peak: 1.17 W/kg

SAR 10g (W/Kg)	0.182129
SAR 1g (W/Kg)	0.413904

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	1.1842	0.4321	0.1619	0.1802	0.1104	0.1112	0.1209	0.1080	0.1062	0.1010	0.1051	0.1047



3D screen shot	Hot spot position
	

5.8GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 17, 2024**
802.11a CH149- Back
DUT: Smart Diagnostic System; Type: P01V71

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 98%; Conv.F=1.37; Frequency: 5745MHz; Medium parameters used: f = 5800 MHz; σ= 5.19mho/m; εr =38.34; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

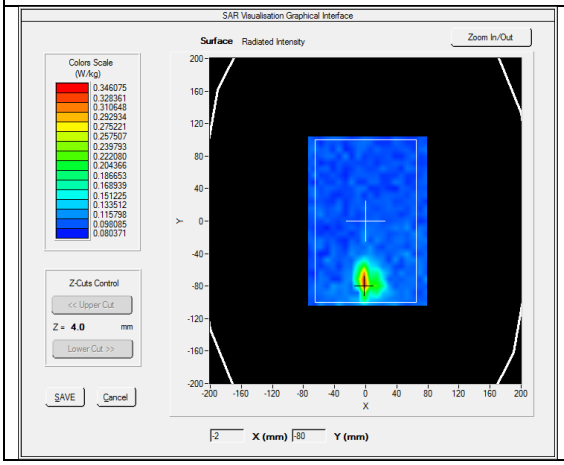
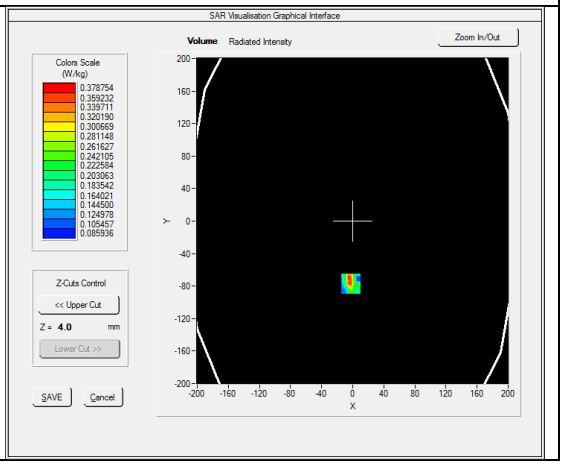
Ambient temperature (℃): 19.7, Liquid temperature (℃): 19.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ 802.11a CH149- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ 802.11a CH149- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

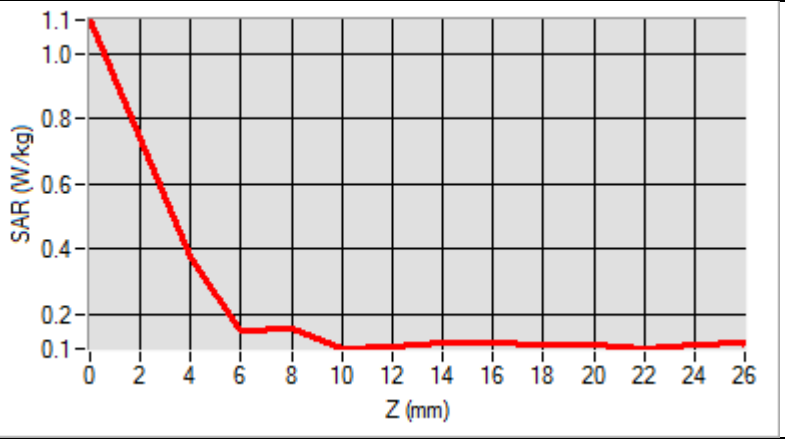
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5800MHz
Channels	CH149
Signal	Crest factor: 1.02

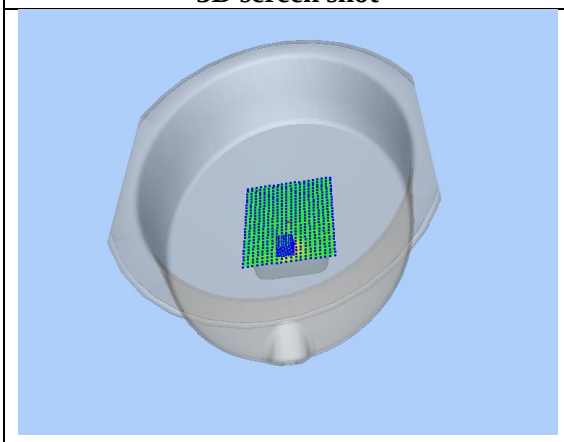
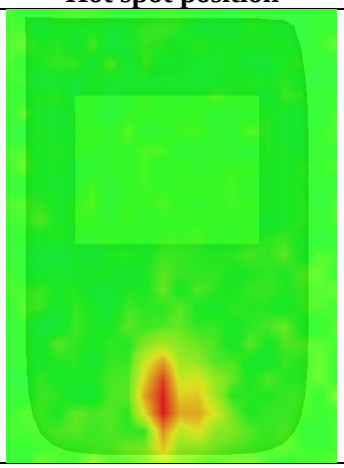
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-2.00, Y=-77.00
SAR Peak: 0.92 W/kg

SAR 10g (W/Kg)	0.168627
SAR 1g (W/Kg)	0.350974

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	1.1024	0.3788	0.1486	0.1517	0.0959	0.0994	0.1132	0.1087	0.1076	0.1068	0.0930	0.1039



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 17, 2024**
802.11a CH165- Back
DUT: Smart Diagnostic System; Type: P01V71

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 98%; Conv.F=1.37; Frequency: 5825MHz; Medium parameters used: f = 5800 MHz; σ= 5.26mho/m; εr =35.69; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

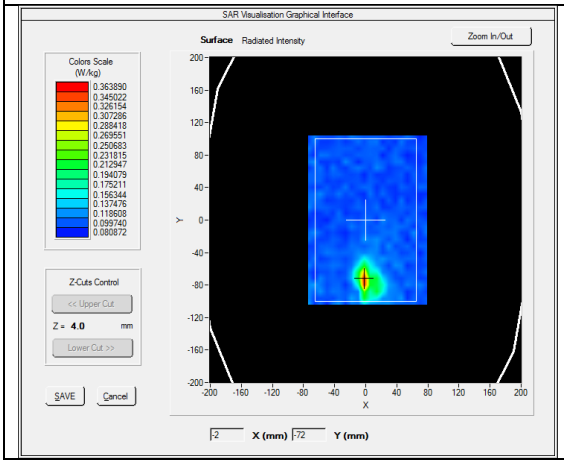
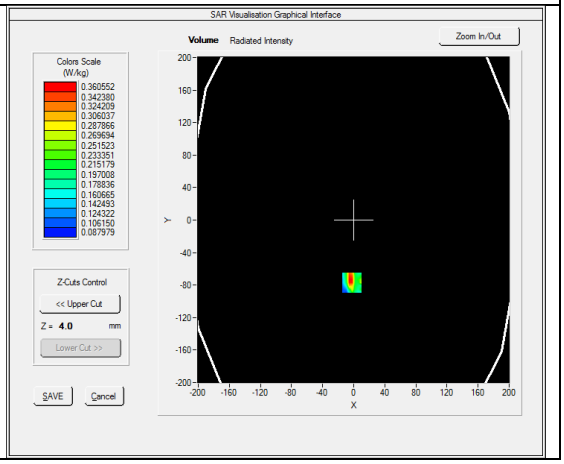
Ambient temperature (℃): 19.7, Liquid temperature (℃): 19.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

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

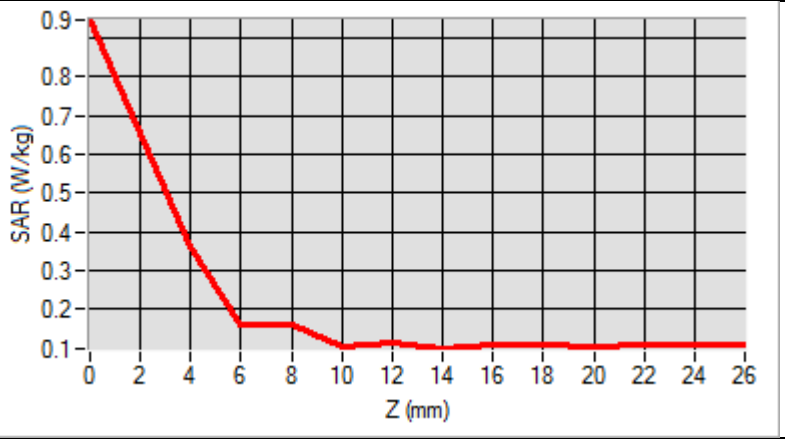
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5800MHz
Channels	CH165
Signal	Crest factor: 1.02

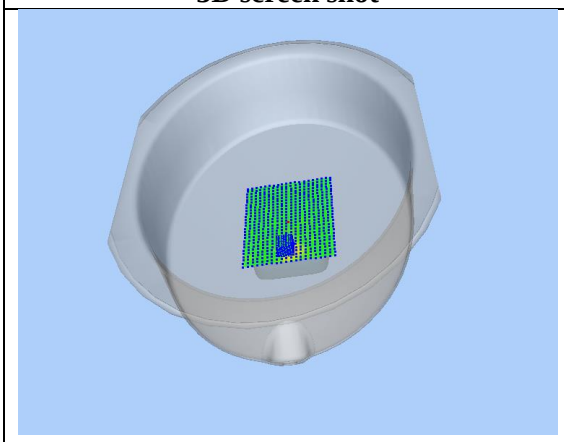
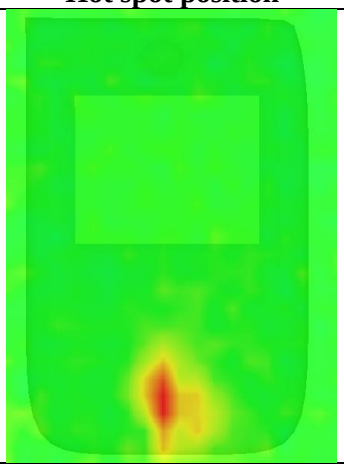
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-2.00, Y=-77.00
SAR Peak: 0.94 W/kg

SAR 10g (W/Kg)	0.171588
SAR 1g (W/Kg)	0.349654

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.9469	0.3606	0.1613	0.1576	0.1013	0.1132	0.0976	0.1104	0.1054	0.1047	0.1068	0.1090



3D screen shot	Hot spot position
	

P701
2.4GHz 802.11b
Test Laboratory: AGC Lab **Date: Oct. 18, 2024**
802.11b Mid- Back
DUT: Smart Diagnostic System; Type: P701

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 99%; Conv.F=2.16; Frequency: 2437 MHz; Medium parameters used: f = 2450 MHz; σ= 1.76mho/m; εr =39.62; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

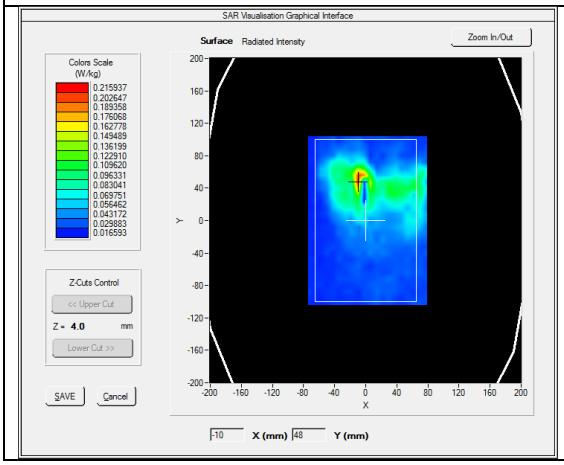
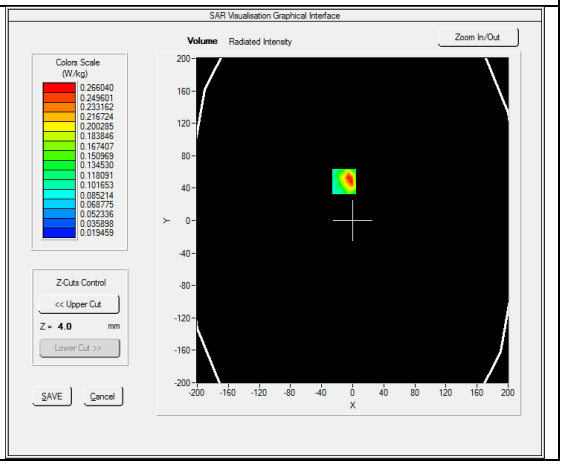
Ambient temperature (℃):21.2, Liquid temperature (℃): 20.9

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11b Mid- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11b Mid- Back /Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

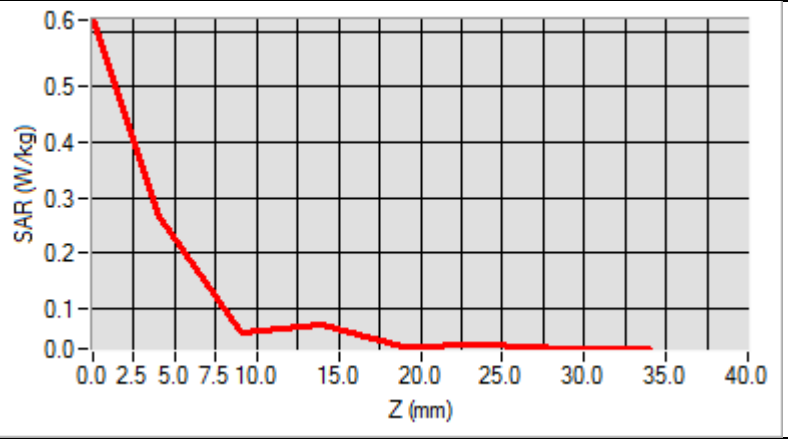
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Back
Band	2450MHz
Channels	Middle
Signal	Crest factor: 1.01

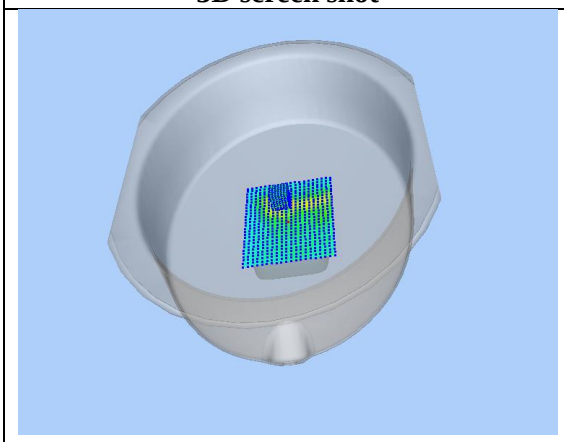
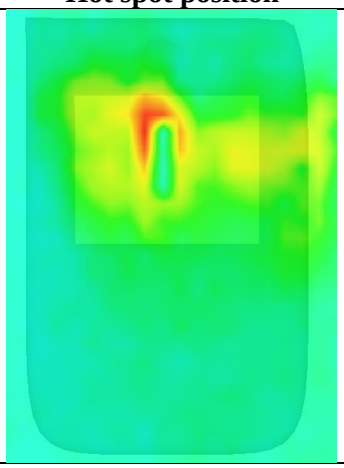
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-11.00, Y=48.00
SAR Peak: 0.62 W/kg

SAR 10g (W/Kg)	0.116705
SAR 1g (W/Kg)	0.245932

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.6214	0.2660	0.0565	0.0681	0.0288	0.0318	0.0273



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 18, 2024**
802.11b High- Back
DUT: Smart Diagnostic System; Type: P701

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 99%; Conv.F=2.16; Frequency: 2462 MHz; Medium parameters used: f = 2450 MHz; σ= 1.81mho/m; εr =37.43; ρ= 1000 kg/m³ ; Phantom section: Flat Section

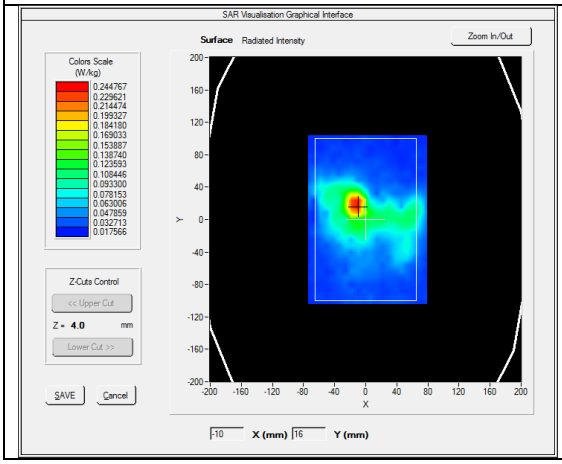
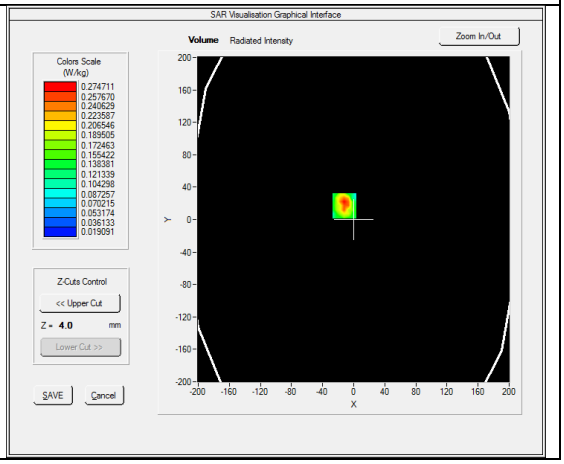
Ambient temperature (℃):21.2, Liquid temperature (℃): 20.9

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11b High- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11b High- Back /Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

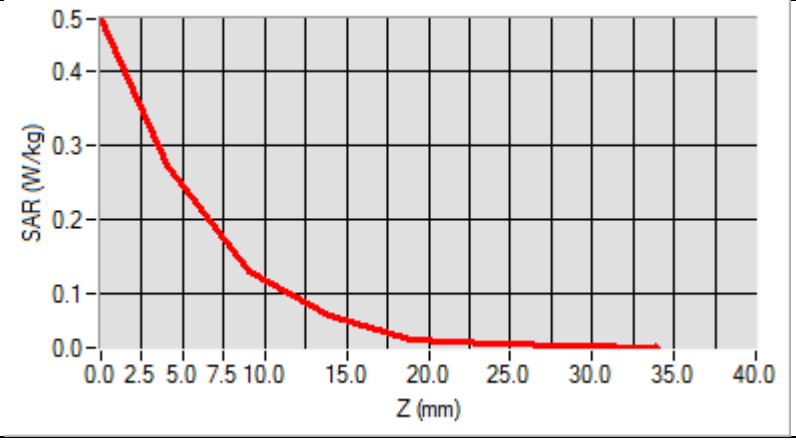
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Back
Band	2450MHz
Channels	High
Signal	Crest factor: 1.01

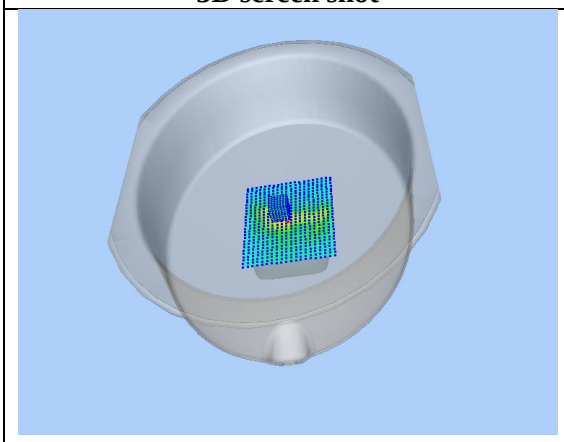
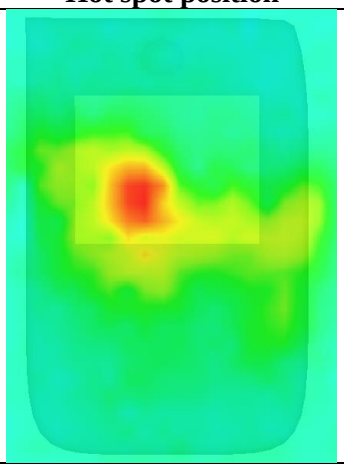
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-12.00, Y=17.00
SAR Peak: 0.49 W/kg

SAR 10g (W/Kg)	0.120620
SAR 1g (W/Kg)	0.239358

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.4716	0.2747	0.1302	0.0712	0.0386	0.0347	0.0312



3D screen shot	Hot spot position
	

5.2GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 15, 2024**
802.11a CH36- Back
DUT: Smart Diagnostic System; Type: P701

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 97%; Conv.F=1.53; Frequency: 5180MHz; Medium parameters used: f = 5250 MHz; σ= 4.43mho/m; εr =36.72; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

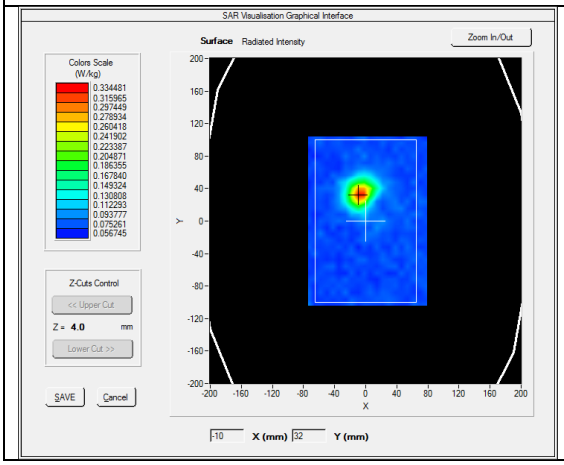
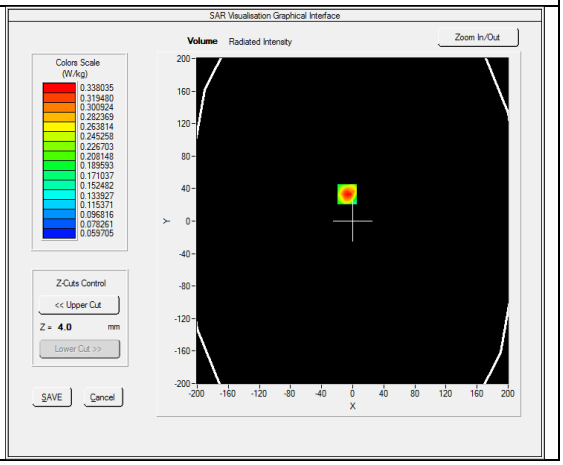
Ambient temperature (℃): 20.6, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11a CH36- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH36- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

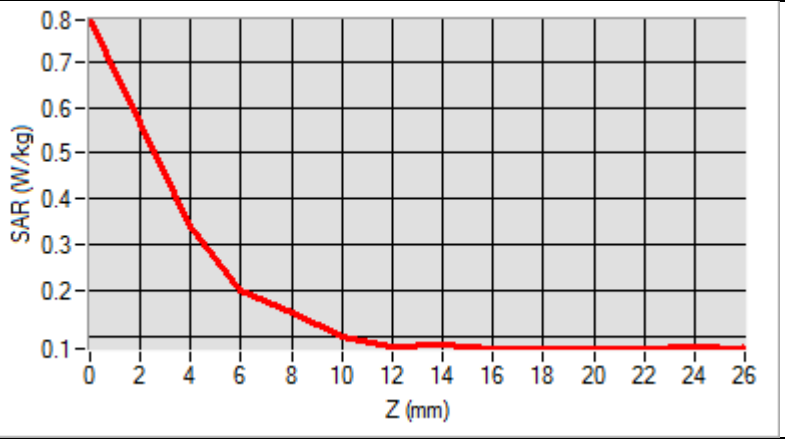
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5200MHz
Channels	CH36
Signal	Crest factor: 1.03

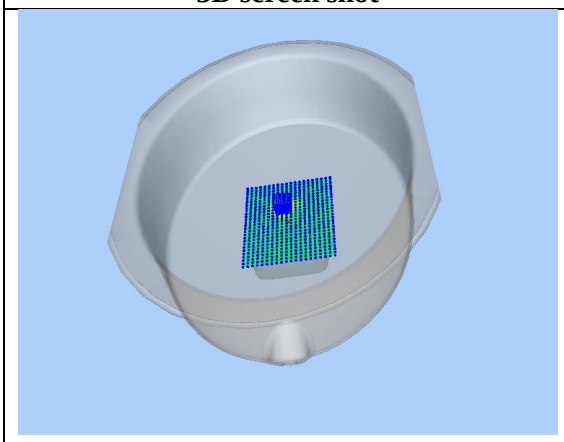
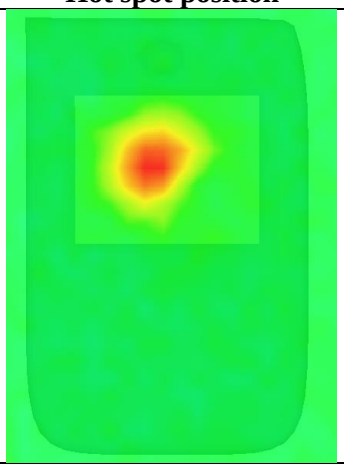
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-7.00, Y=33.00
SAR Peak: 0.79 W/kg

SAR 10g (W/Kg)	0.172804
SAR 1g (W/Kg)	0.335697

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.7910	0.3380	0.1984	0.1490	0.0964	0.0782	0.0826	0.0734	0.0731	0.0719	0.0735	0.0777



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 15, 2024**
802.11a CH48- Back
DUT: Smart Diagnostic System; Type: P701

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 97%; Conv.F=1.53; Frequency: 5240MHz; Medium parameters used: f = 5250 MHz; σ= 4.51mho/m; εr =34.66; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

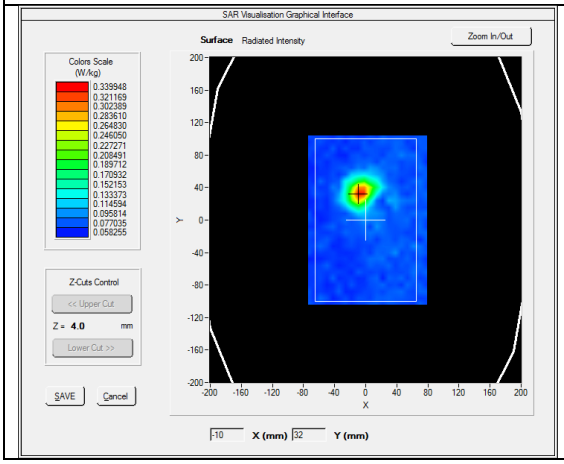
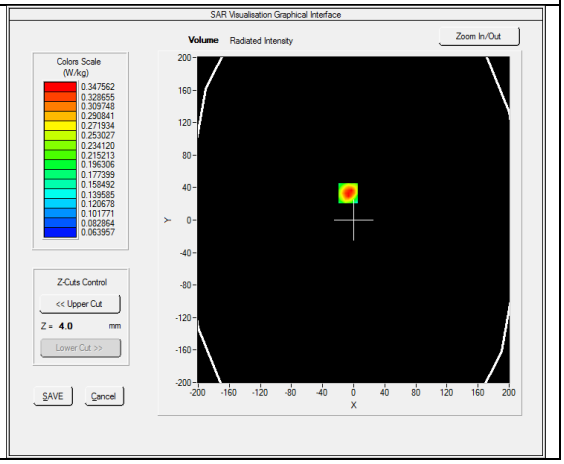
Ambient temperature (℃): 20.6, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11a CH48- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH48- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

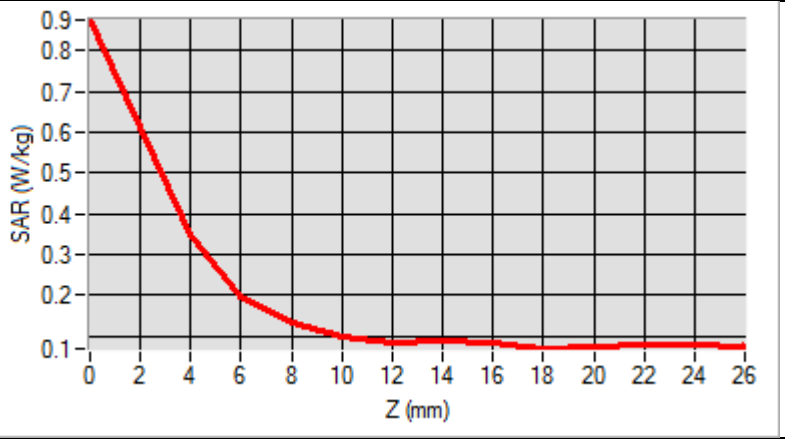
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5200MHz
Channels	CH48
Signal	Crest factor: 1.03

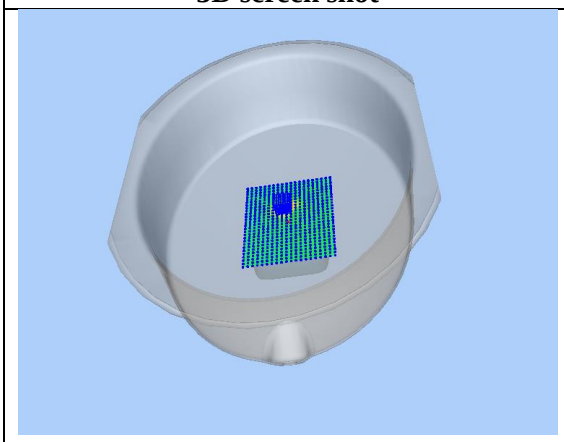
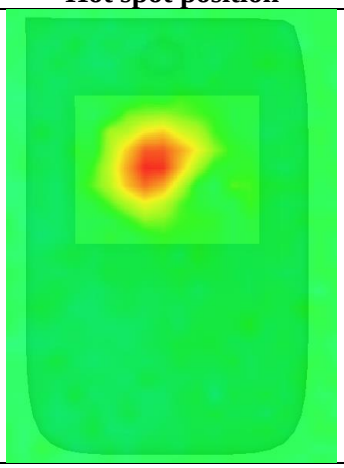
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-7.00, Y=33.00
SAR Peak: 0.83 W/kg

SAR 10g (W/Kg)	0.180527
SAR 1g (W/Kg)	0.341989

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.8751	0.3476	0.1995	0.1354	0.0980	0.0854	0.0916	0.0837	0.0698	0.0728	0.0790	0.0784



3D screen shot	Hot spot position
	

5.3GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 16, 2024**
802.11a CH52- Back
DUT: Smart Diagnostic System; Type: P701

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 94%; Conv.F=1.53; Frequency: 5260MHz; Medium parameters used: f = 5250 MHz; σ= 4.73mho/m; εr =36.72; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

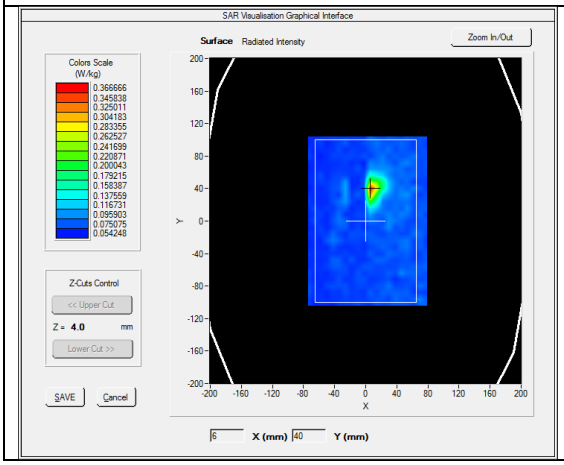
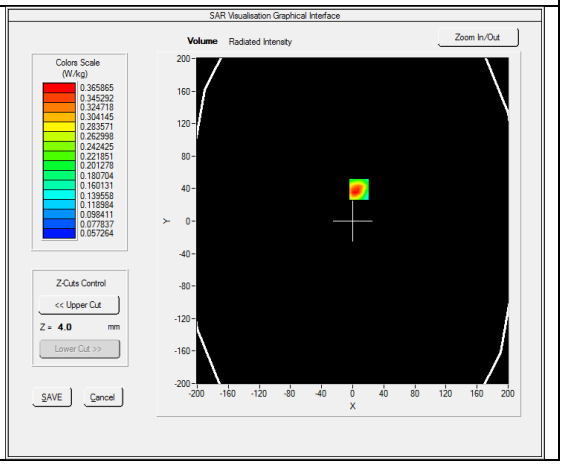
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.2

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11a CH52- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH52- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

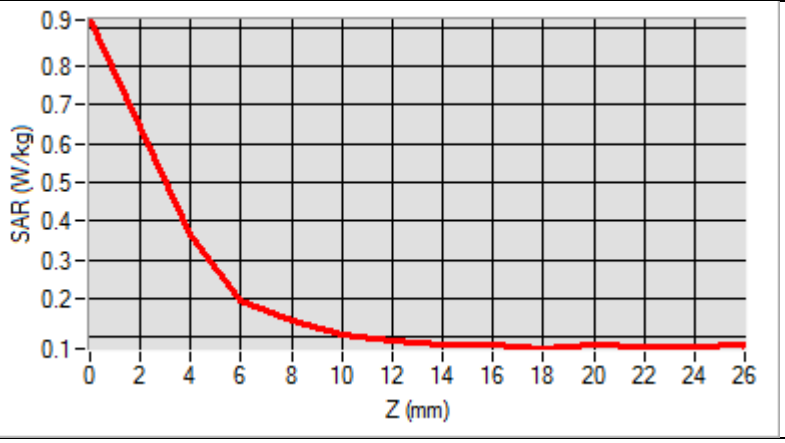
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5300MHz
Channels	CH52
Signal	Crest factor: 1.06

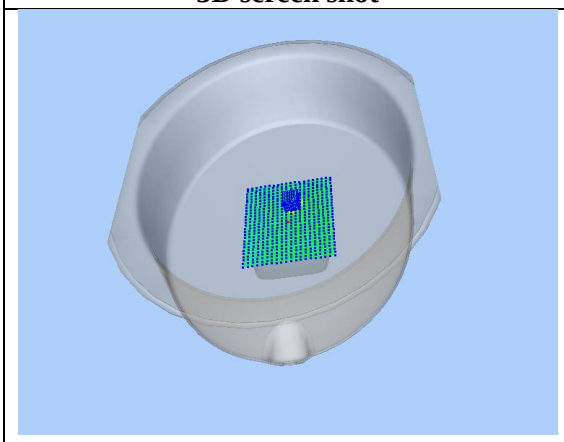
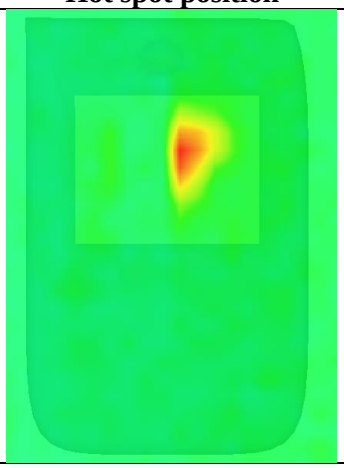
SURFACE SAR	VOLUME SAR
	

Maximum location: X=8.00, Y=39.00
SAR Peak: 0.86 W/kg

SAR 10g (W/Kg)	0.184564
SAR 1g (W/Kg)	0.363682

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.9198	0.3659	0.1955	0.1428	0.1072	0.0936	0.0841	0.0834	0.0715	0.0818	0.0770	0.0774



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 16, 2024**
802.11a CH64- Back
DUT: Smart Diagnostic System; Type: P701

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 94%; Conv.F=1.53; Frequency: 5320MHz; Medium parameters used: f = 5250 MHz; σ= 4.79mho/m; εr =34.95; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

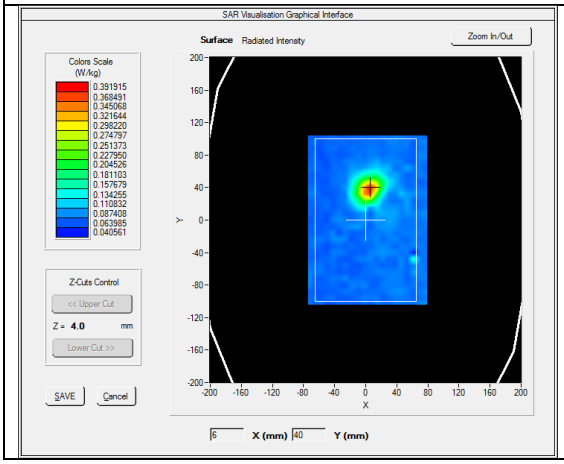
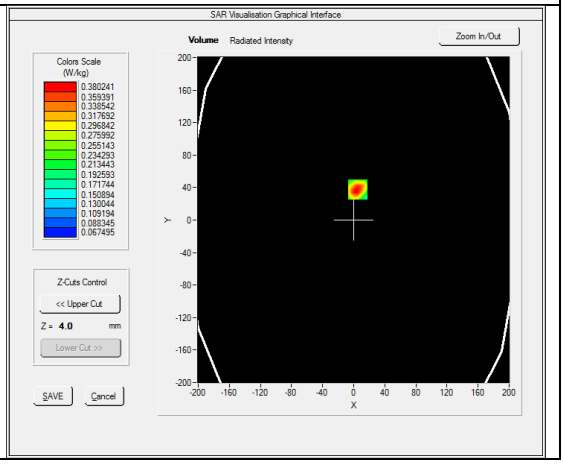
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.2

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

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

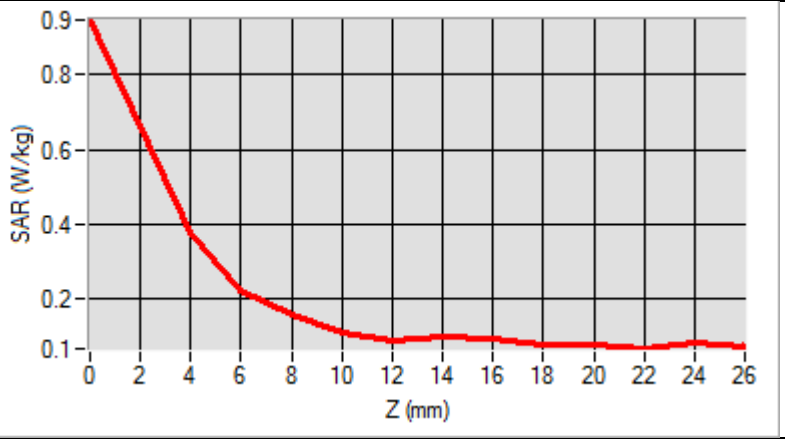
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5300MHz
Channels	CH64
Signal	Crest factor: 1.06

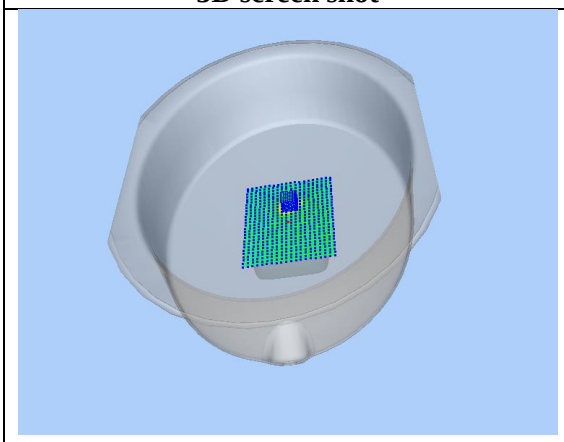
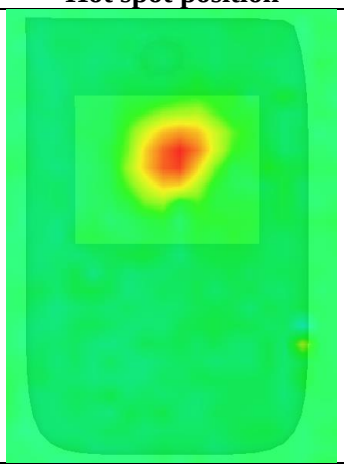
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=38.00
SAR Peak: 0.91 W/kg

SAR 10g (W/Kg)	0.195002
SAR 1g (W/Kg)	0.387228

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.9452	0.3802	0.2216	0.1590	0.1107	0.0905	0.1000	0.0926	0.0808	0.0771	0.0684	0.0834



3D screen shot	Hot spot position
	

5.6GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 19, 2024**
802.11n20 CH100- Back
DUT: Smart Diagnostic System; Type: P701

Communication System: Wi-Fi; Communication System Band: 802.11n20; Duty Cycle: 98%; Conv.F=1.24; Frequency: 5500MHz; Medium parameters used: f = 5600 MHz; σ= 5.13mho/m; εr =36.28; ρ= 1000 kg/m³ ; Phantom section: Flat Section

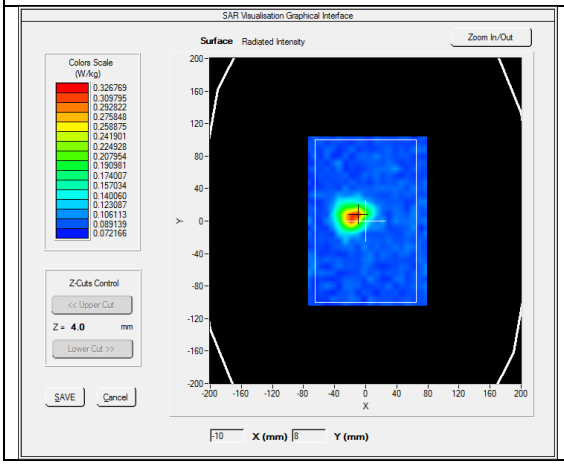
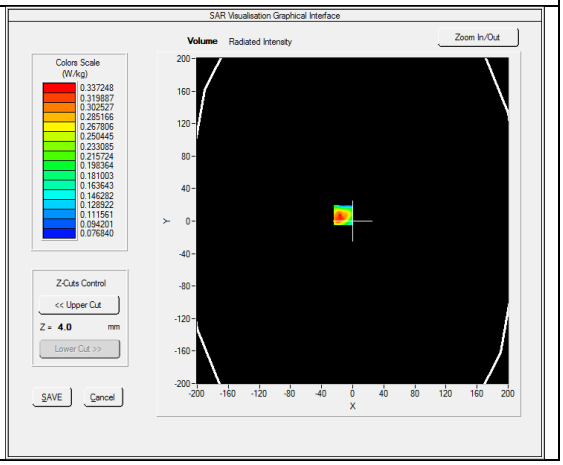
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11n20 CH100- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n20 CH100- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

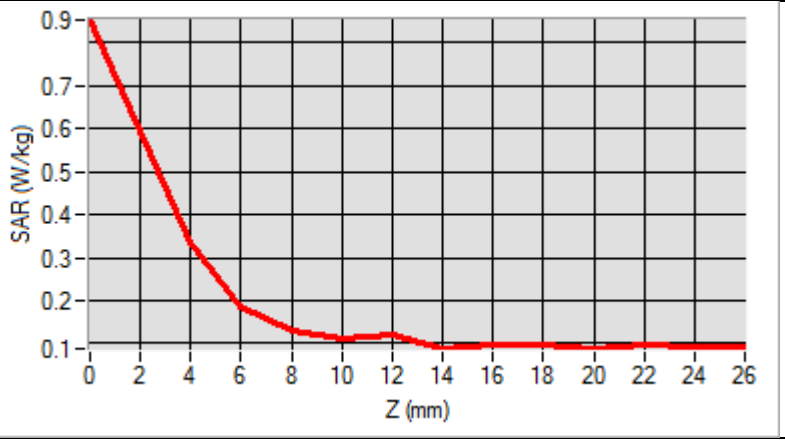
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5600MHz
Channels	CH100
Signal	Crest factor: 1.02

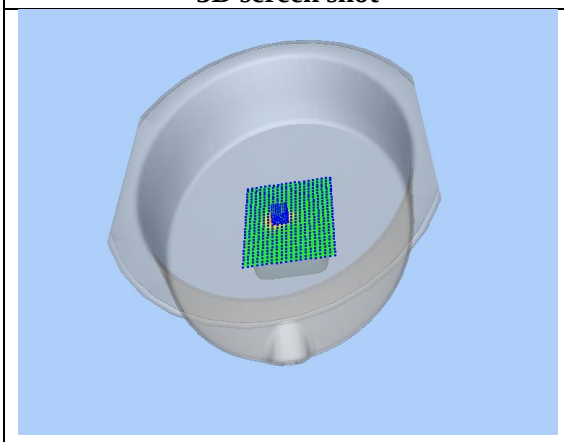
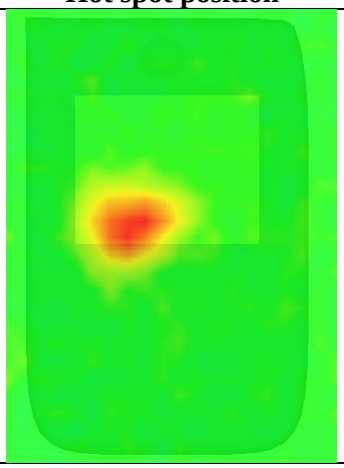
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-12.00, Y=7.00
SAR Peak: 0.82 W/kg

SAR 10g (W/Kg)	0.181107
SAR 1g (W/Kg)	0.328935

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.8514	0.3372	0.1874	0.1321	0.1109	0.1230	0.0883	0.0959	0.0996	0.0902	0.0970	0.0921



3D screen shot	Hot spot position
	

5.8GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 17, 2024**
802.11a CH157- Back
DUT: Smart Diagnostic System; Type: P701

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 98%; Conv.F=1.37; Frequency: 5785MHz; Medium parameters used: f = 5800 MHz; σ= 5.21mho/m; εr =37.62; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

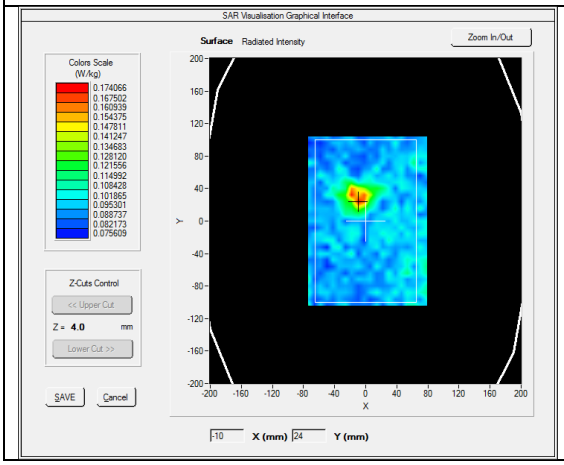
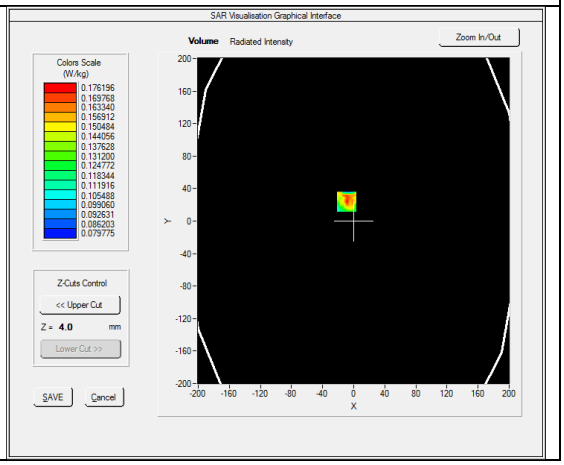
Ambient temperature (℃): 19.7, Liquid temperature (℃): 19.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/ 802.11a CH157- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/ 802.11a CH157- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

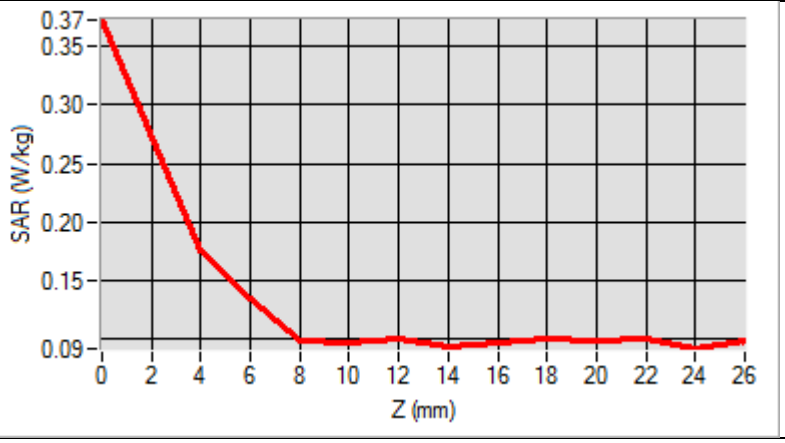
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5800MHz
Channels	CH157
Signal	Crest factor: 1.02

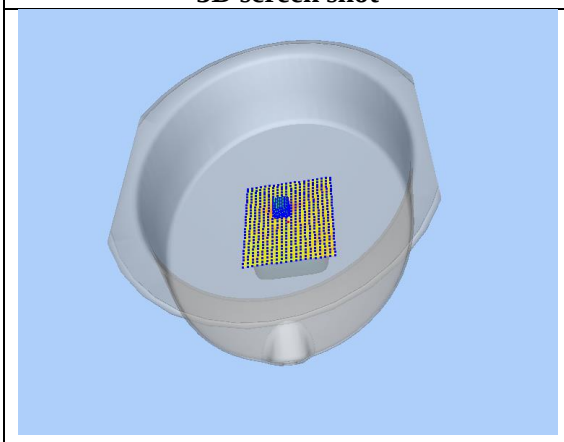
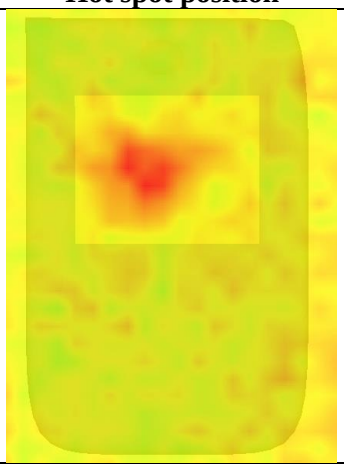
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-9.00, Y=24.00
SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.122718
SAR 1g (W/Kg)	0.167972

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.3725	0.1762	0.1347	0.0988	0.0973	0.1003	0.0935	0.0976	0.1000	0.0991	0.1014	0.0923



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 17, 2024**
802.11a CH165- Back
DUT: Smart Diagnostic System; Type: P701

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 98%; Conv.F=1.37; Frequency: 5825MHz; Medium parameters used: f = 5800 MHz; σ= 5.26mho/m; εr =35.69; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

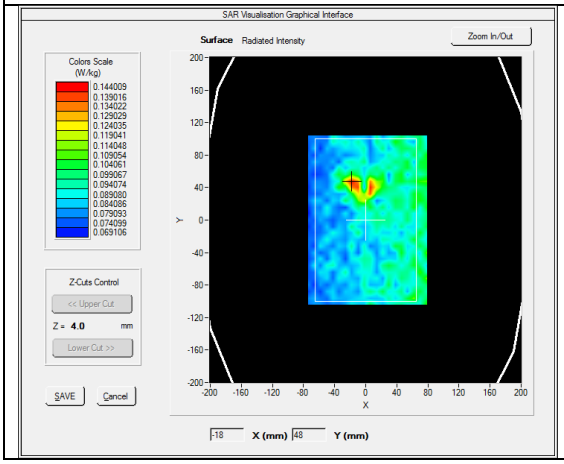
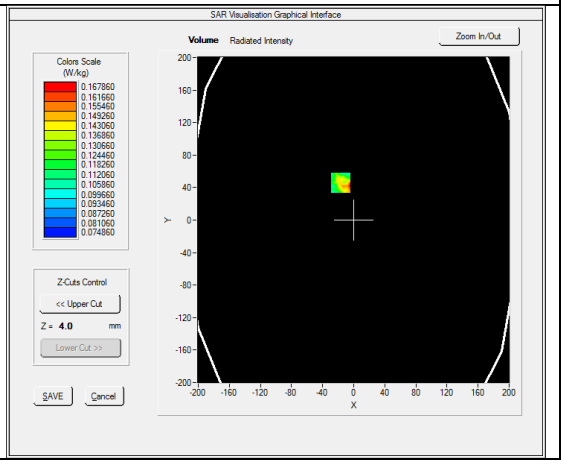
Ambient temperature (℃): 19.7, Liquid temperature (℃): 19.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

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

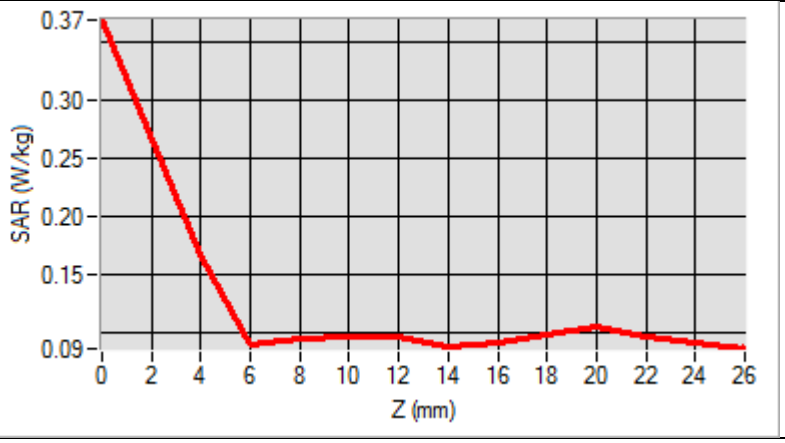
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5800MHz
Channels	CH165
Signal	Crest factor: 1.02

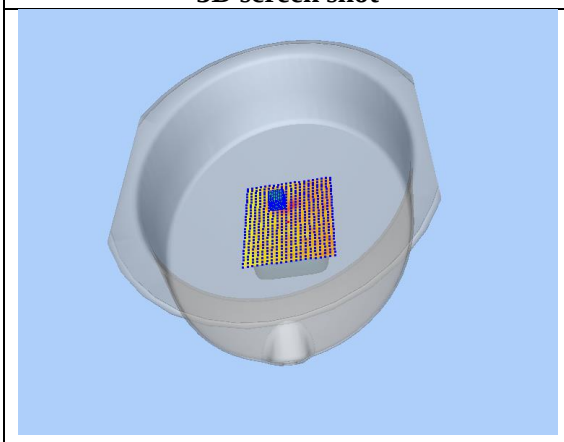
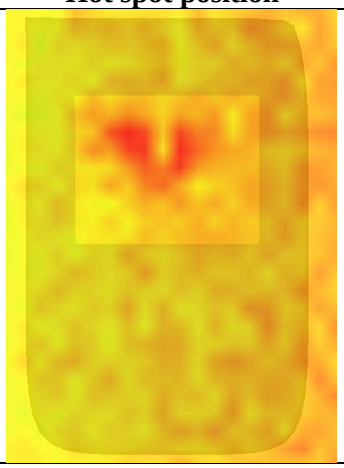
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-17.00, Y=46.00
SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.113266
SAR 1g (W/Kg)	0.148454

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.3694	0.1679	0.0905	0.0948	0.0978	0.0973	0.0887	0.0912	0.0990	0.1048	0.0969	0.0918



3D screen shot	Hot spot position
	

P711
2.4GHz 802.11b
Test Laboratory: AGC Lab **Date: Oct. 18, 2024**
802.11b High- Edge 1 (Top)
DUT: Smart Diagnostic System; Type: P711

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 99%; Conv.F=2.16; Frequency: 2437 MHz; Medium parameters used: f = 2450 MHz; σ= 1.76mho/m; εr =39.62; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

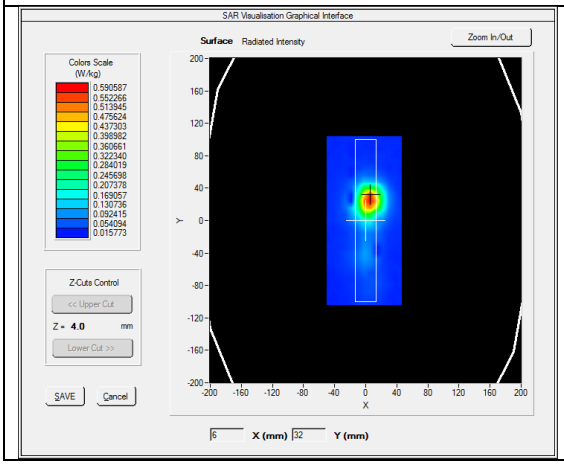
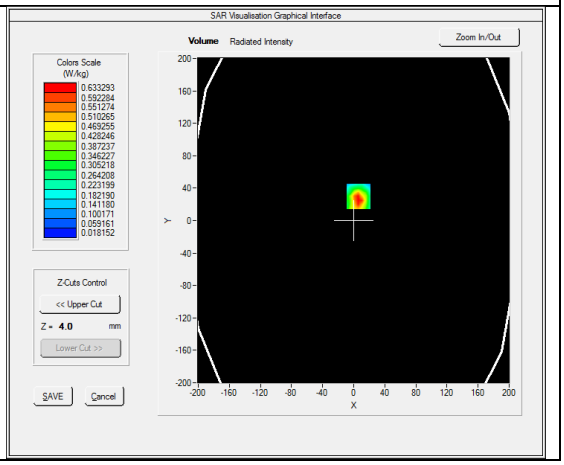
Ambient temperature (℃):21.2, Liquid temperature (℃): 20.9

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11b High- Edge 1 (Top)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11b High- Edge 1 (Top)/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

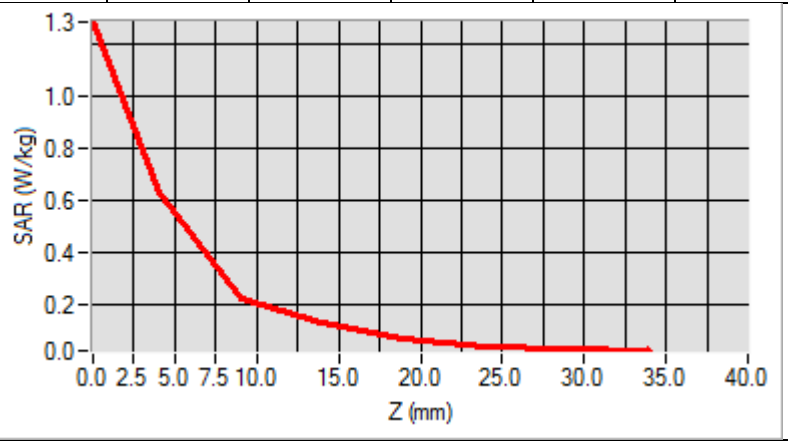
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Edge 1 (Top)
Band	2450MHz
Channels	High
Signal	Crest factor: 1.01

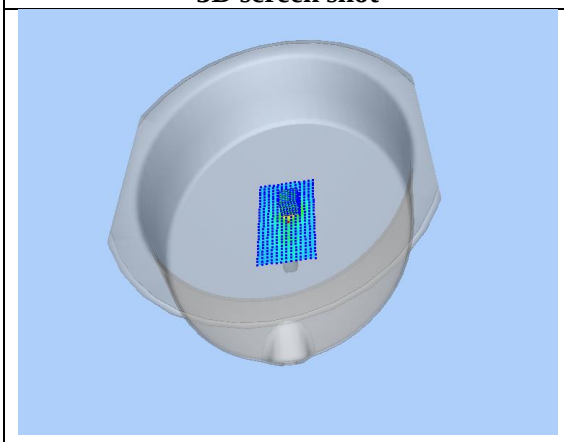
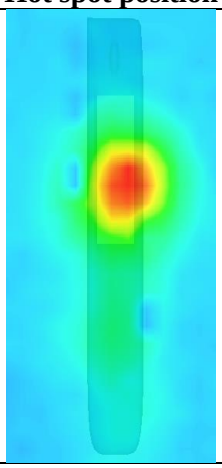
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=30.00
SAR Peak: 1.34 W/kg

SAR 10g (W/Kg)	0.275028
SAR 1g (W/Kg)	0.620432

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.2822	0.6333	0.2245	0.1340	0.0704	0.0396	0.0276



3D screen shot	Hot spot position
	

5.2GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 15, 2024**
802.11a CH36- Back
DUT: Smart Diagnostic System; Type: P711

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 97%; Conv.F=1.53; Frequency: 5180MHz; Medium parameters used: f = 5250 MHz; σ= 4.43mho/m; εr =36.72; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

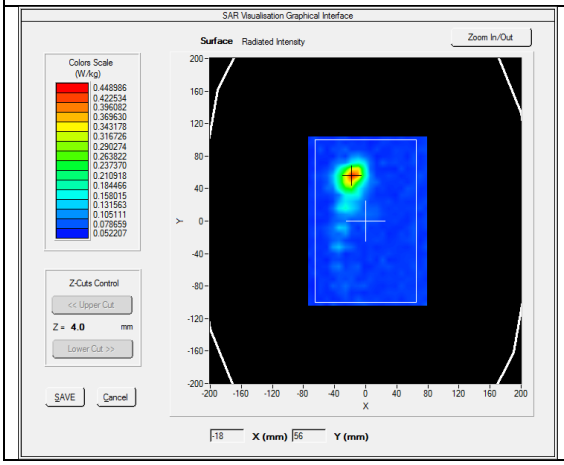
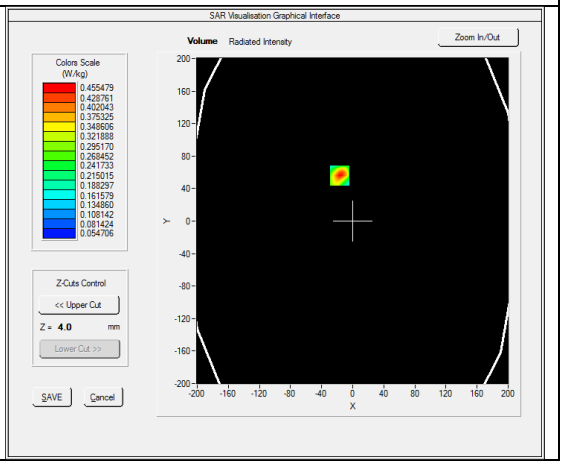
Ambient temperature (℃): 20.6, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11a CH36- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH36- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

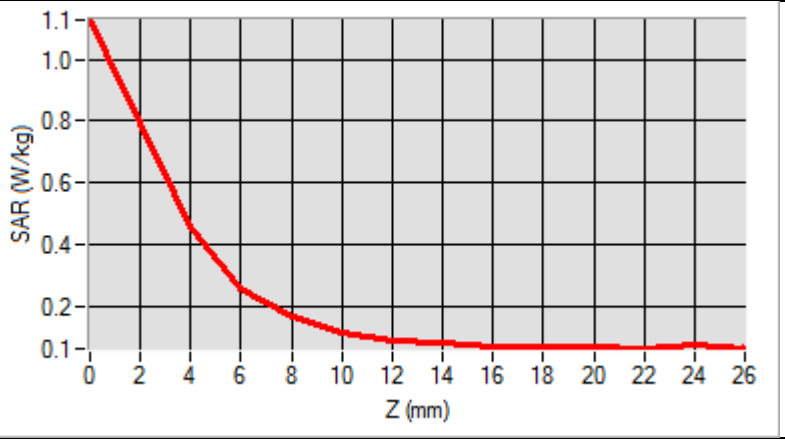
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5200MHz
Channels	CH36
Signal	Crest factor: 1.03

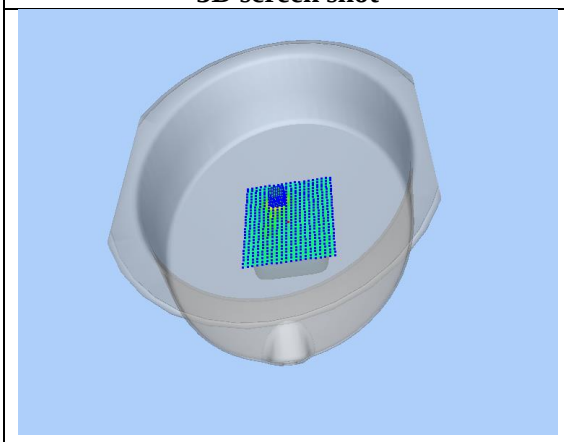
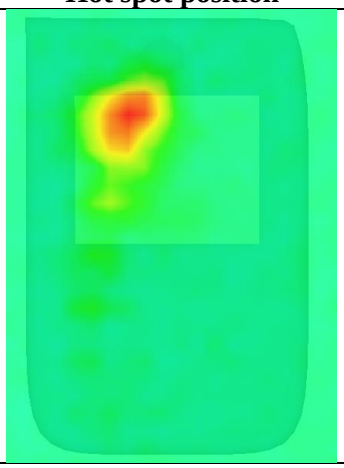
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-17.00, Y=56.00
SAR Peak: 1.14 W/kg

SAR 10g (W/Kg)	0.199548
SAR 1g (W/Kg)	0.451682

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	1.1277	0.4555	0.2535	0.1658	0.1147	0.0871	0.0778	0.0704	0.0672	0.0666	0.0613	0.0718



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 15, 2024**
802.11a CH48- Back
DUT: Smart Diagnostic System; Type: P711

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 97%; Conv.F=1.53; Frequency: 5240MHz; Medium parameters used: f = 5250 MHz; σ= 4.51mho/m; εr =34.66; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

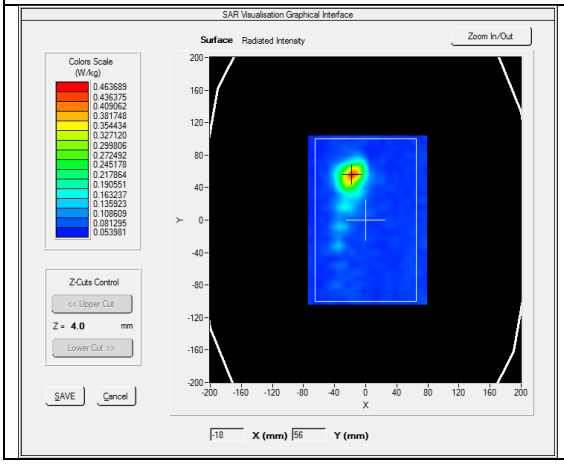
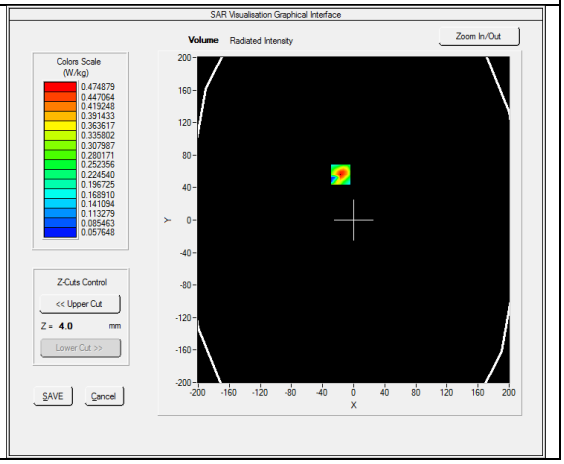
Ambient temperature (℃): 20.6, Liquid temperature (℃): 20.3

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11a CH48- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH48- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

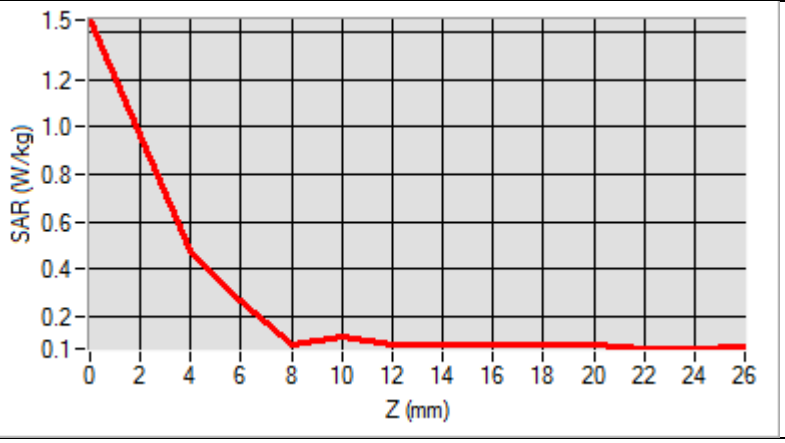
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5200MHz
Channels	CH48
Signal	Crest factor: 1.03

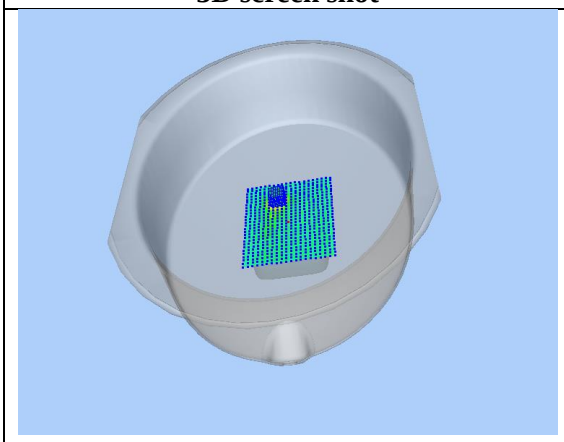
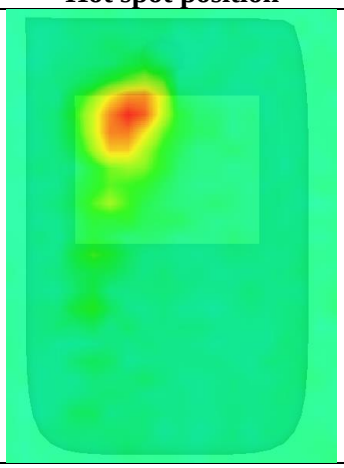
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-17.00, Y=56.00
SAR Peak: 1.40 W/kg

SAR 10g (W/Kg)	0.200373
SAR 1g (W/Kg)	0.473540

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	1.4511	0.4749	0.2634	0.0808	0.1151	0.0833	0.0830	0.0815	0.0839	0.0757	0.0664	0.0628



3D screen shot	Hot spot position
	

5.3GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 16, 2024**
802.11a CH52- Back
DUT: Smart Diagnostic System; Type: P711

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 94%; Conv.F=1.53; Frequency: 5260MHz; Medium parameters used: f = 5250 MHz; σ= 4.73mho/m; εr =36.72; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

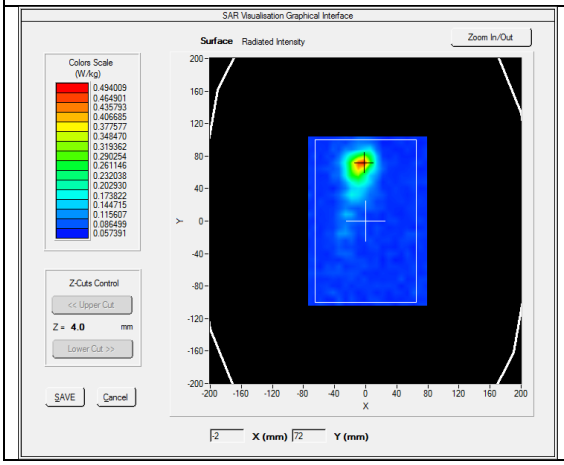
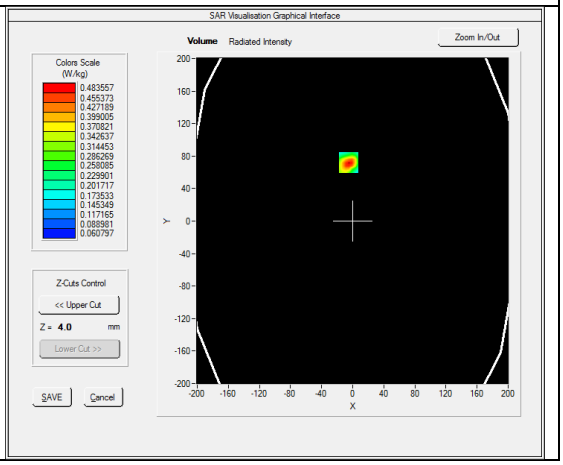
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.2

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11a CH52- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH52- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

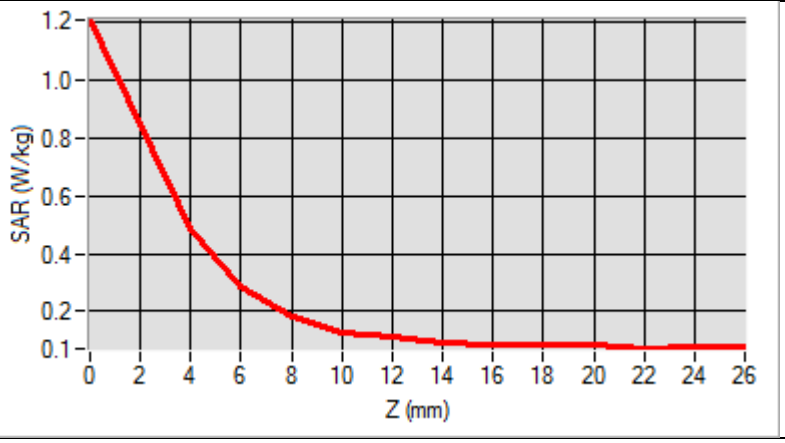
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5300MHz
Channels	CH52
Signal	Crest factor: 1.06

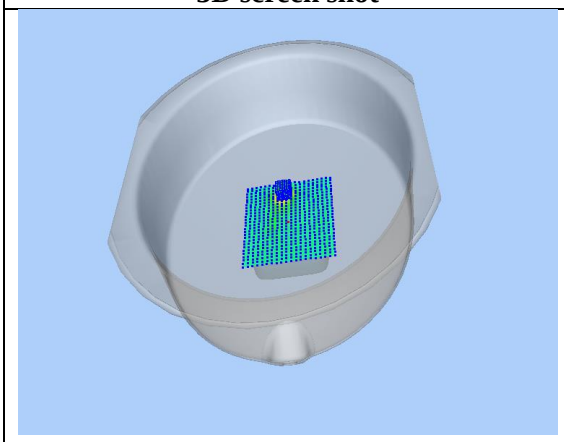
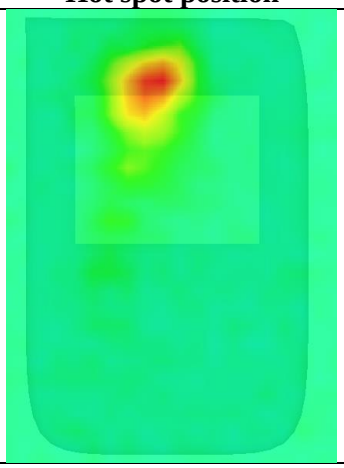
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-5.00, Y=72.00
SAR Peak: 1.22 W/kg

SAR 10g (W/Kg)	0.225534
SAR 1g (W/Kg)	0.490606

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	1.2072	0.4836	0.2852	0.1796	0.1237	0.1097	0.0909	0.0832	0.0818	0.0828	0.0712	0.0783



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 16, 2024**
802.11a CH64- Back
DUT: Smart Diagnostic System; Type: P711

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 94%; Conv.F=1.53; Frequency: 5320MHz; Medium parameters used: f = 5250 MHz; σ= 4.79mho/m; εr =34.95; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

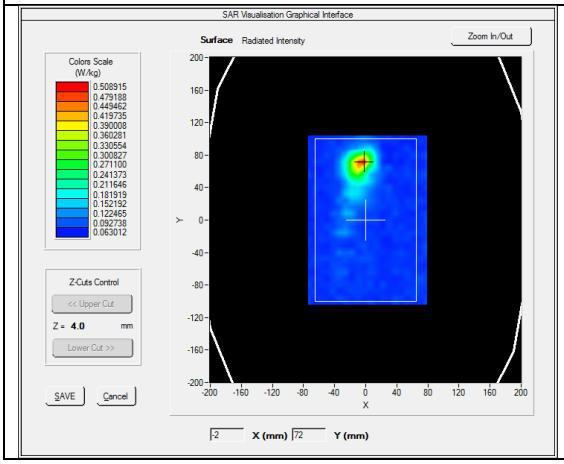
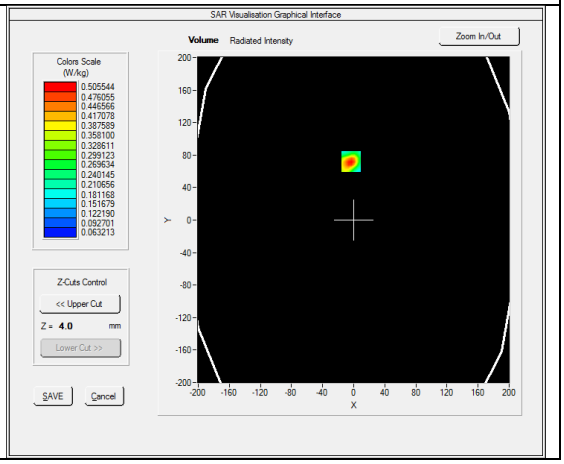
Ambient temperature (℃): 20.5, Liquid temperature (℃): 20.2

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

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

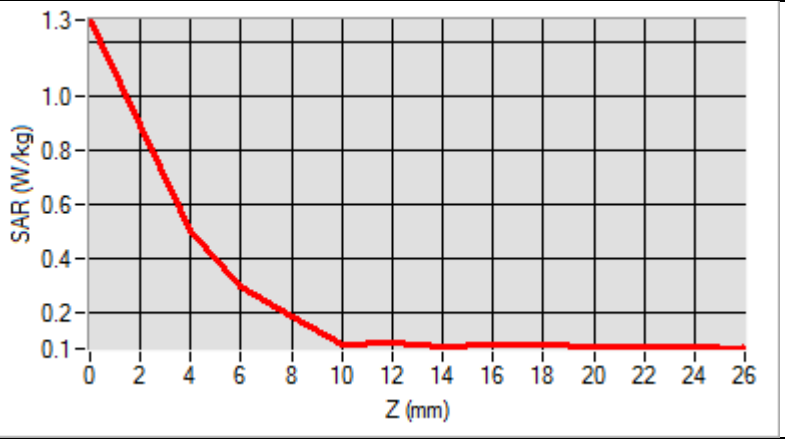
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5300MHz
Channels	CH64
Signal	Crest factor: 1.06

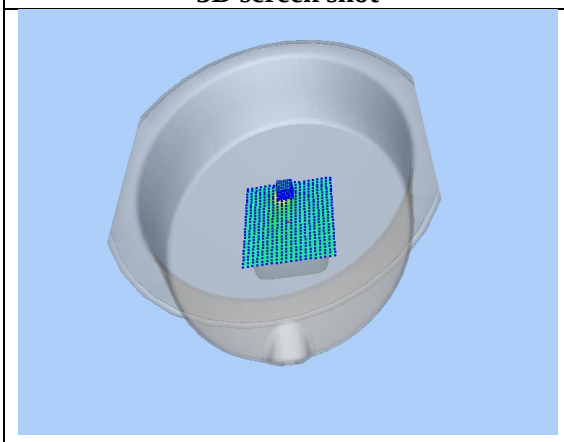
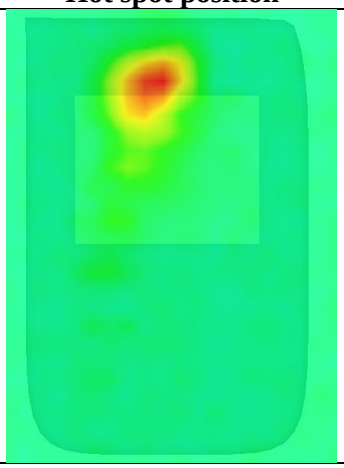
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-3.00, Y=72.00
SAR Peak: 1.28 W/kg

SAR 10g (W/Kg)	0.226687
SAR 1g (W/Kg)	0.505644

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	1.2815	0.5055	0.3012	0.1883	0.0857	0.0946	0.0764	0.0811	0.0810	0.0742	0.0765	0.0766



3D screen shot	Hot spot position
	

5.6GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 19, 2024**
802.11n20 CH116- Back
DUT: Smart Diagnostic System; Type: P711

Communication System: Wi-Fi; Communication System Band: 802.11n20; Duty Cycle: 98%; Conv.F=1.24; Frequency: 5580MHz; Medium parameters used: f = 5600 MHz; σ= 5.16mho/m; εr =35.76; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

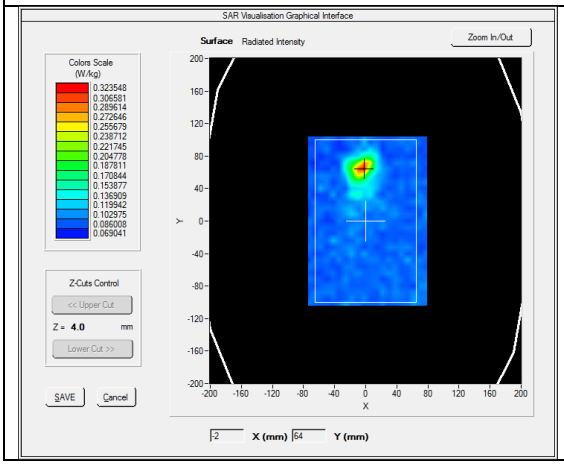
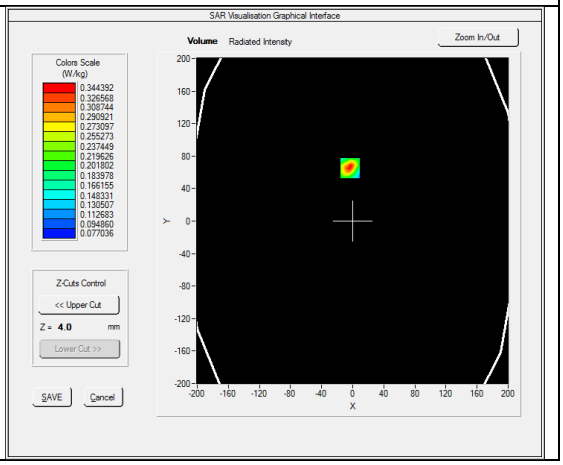
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11n20 CH116- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n20 CH116- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

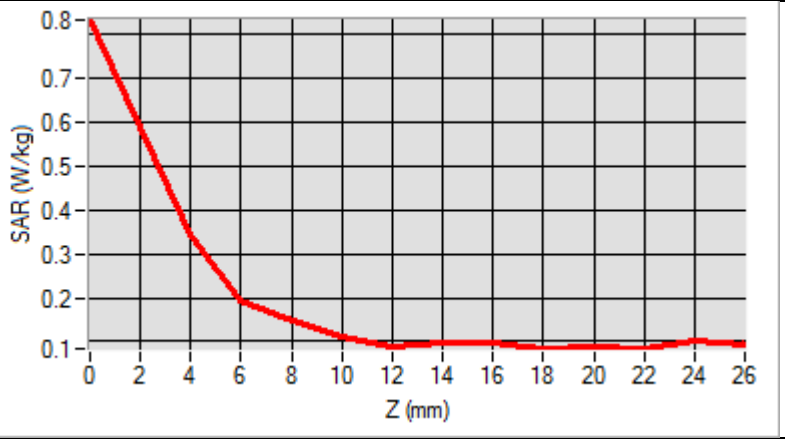
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5600MHz
Channels	CH116
Signal	Crest factor: 1.02

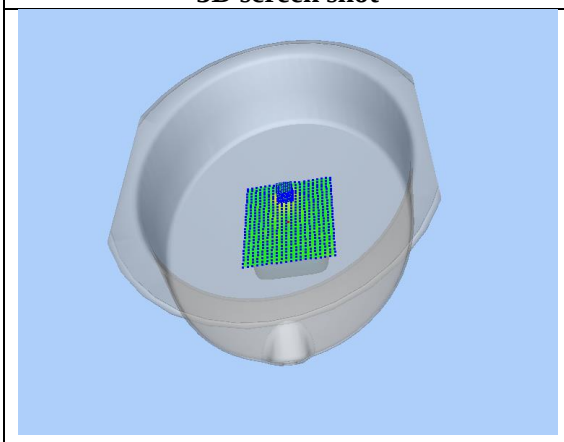
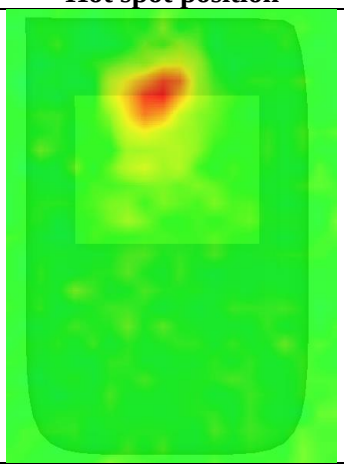
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-3.00, Y=65.00
SAR Peak: 0.91 W/kg

SAR 10g (W/Kg)	0.173121
SAR 1g (W/Kg)	0.343748

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.8333	0.3444	0.1946	0.1493	0.1102	0.0871	0.0965	0.0984	0.0838	0.0895	0.0857	0.1039



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Oct. 19, 2024**
802.11n20 CH140- Back
DUT: Smart Diagnostic System; Type: P711

Communication System: Wi-Fi; Communication System Band: 802.11n20; Duty Cycle: 98%; Conv.F=1.24; Frequency: 5700MHz; Medium parameters used: f = 5600 MHz; σ= 5.21mho/m; εr =34.02; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

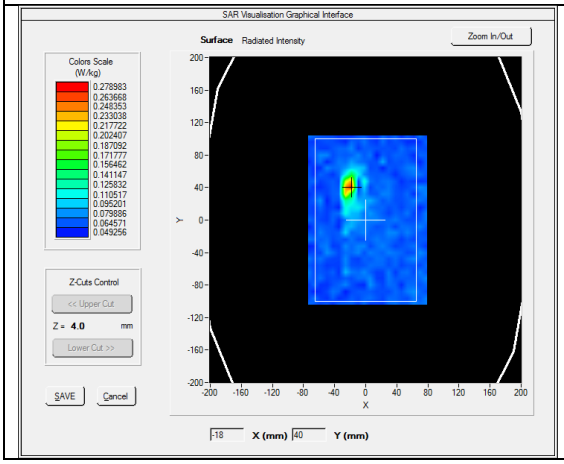
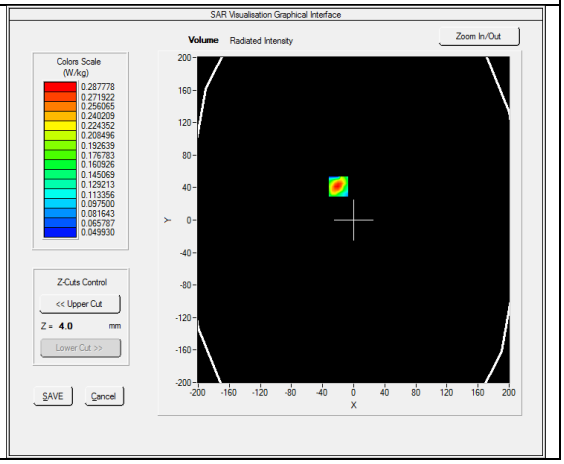
Ambient temperature (℃): 21.9, Liquid temperature (℃): 21.6

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

Configuration/802.11n20 CH140- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n20 CH140- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

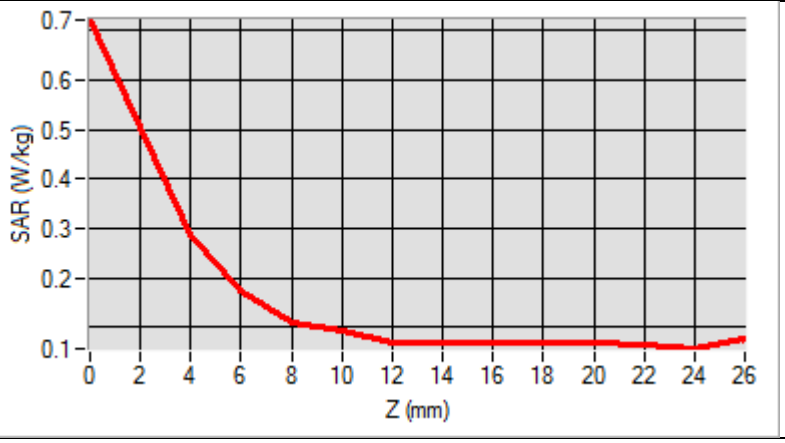
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5600MHz
Channels	CH140
Signal	Crest factor: 1.02

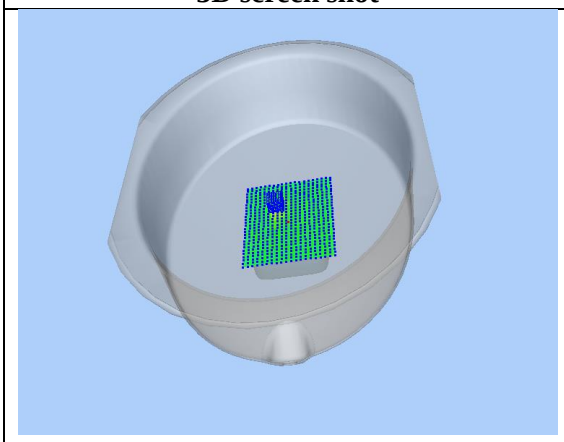
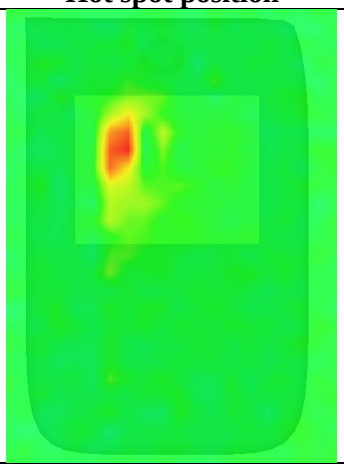
SURFACE SAR	**VOLUME SAR**
	

Maximum location: X=-20.00, Y=41.00
SAR Peak: 0.74 W/kg

SAR 10g (W/Kg)	0.140331
SAR 1g (W/Kg)	0.289511

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.7223	0.2878	0.1739	0.1095	0.0931	0.0697	0.0666	0.0666	0.0679	0.0693	0.0659	0.0558



3D screen shot	Hot spot position
	

5.8GHz 802.11a
Test Laboratory: AGC Lab **Date: Oct. 17, 2024**
802.11a CH165- Back
DUT: Smart Diagnostic System; Type: P711

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 98%; Conv.F=1.37; Frequency: 5825MHz; Medium parameters used: f = 5800 MHz; σ= 5.26mho/m; εr =35.69; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

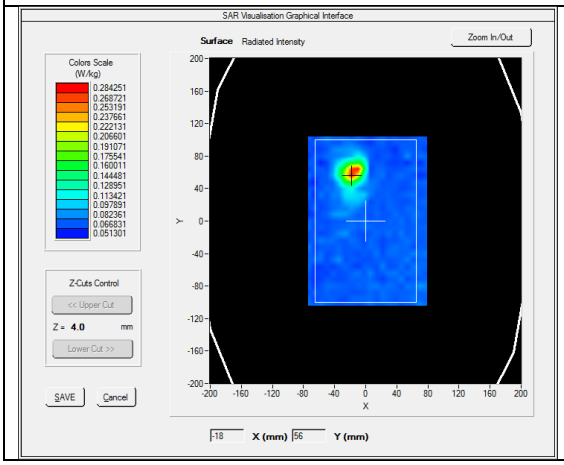
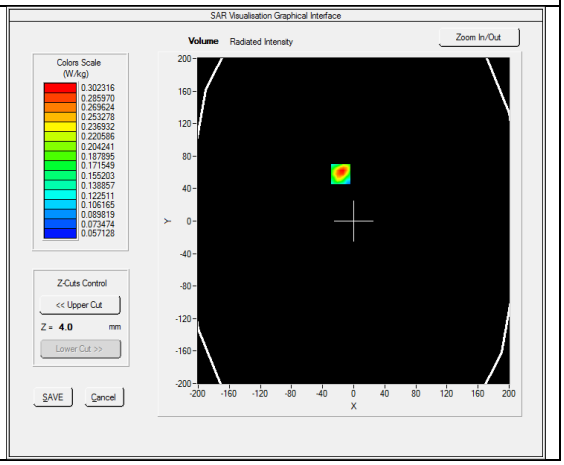
Ambient temperature (℃): 19.7, Liquid temperature (℃): 19.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V4_02_35

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

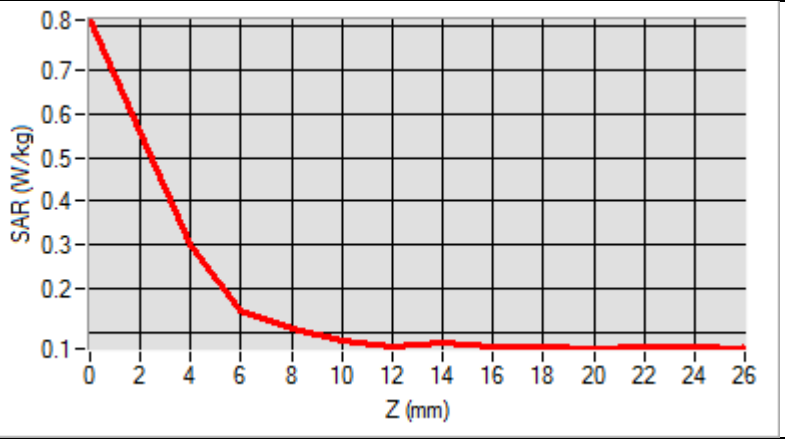
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5800MHz
Channels	CH165
Signal	Crest factor: 1.02

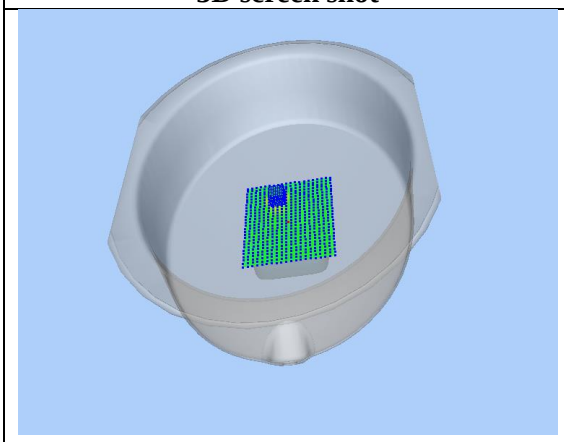
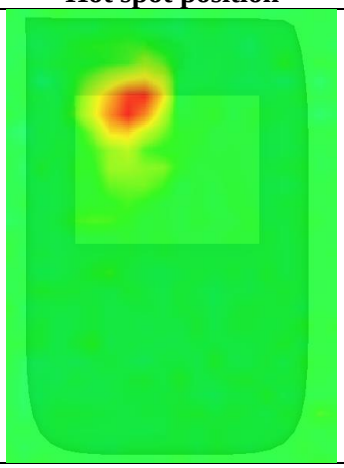
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-17.00, Y=58.00
SAR Peak: 0.77 W/kg

SAR 10g (W/Kg)	0.147828
SAR 1g (W/Kg)	0.299307

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.8132	0.3023	0.1506	0.1080	0.0823	0.0687	0.0781	0.0700	0.0664	0.0637	0.0683	0.0664



3D screen shot	Hot spot position
	

APPENDIX C. TEST SETUP PHOTOGRAPHS

P01V71

Body/Hotspot Back 0mm

Body/Hotspot Front 0mm

Body/Hotspot Edge2(Right) 0mm

Body/Hotspot Edge3(Bottom) 0mm

P701

Body/Hotspot Back 0mm

Body/Hotspot Front 0mm