SAR Test Report

Report No.: AGC16740241101FH01

FCC ID	:	WQ8-DV2377
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM
BRAND NAME	:	AUTEL
MODEL NAME	:	MaxiSys Ultra S2, MaxiSys Ultra EV S2, MaxiSys Ultra S2&ADAS, MaxiSys Ultra EV S2&ADAS, MaxiSys Ultra S2 ADAS
APPLICANT	:	Autel Intelligent Technology Corp., Ltd.
DATE OF ISSUE	:	Dec. 19, 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	/	Dec. 19, 2024	Valid	Initial Release

Test Report	
Applicant Name	Autel Intelligent Technology Corp., Ltd.
Applicant Address	Floor 2, Caihong Keji Building, 36 Hi-tech North Six Road, Songpingshan Community, Xili, Nanshan, Shenzhen 518055, China
Manufacturer Name	Autel Intelligent Technology Corp., Ltd.
Manufacturer Address	Floor 2, Caihong Keji Building, 36 Hi-tech North Six Road, Songpingshan Community, Xili, Nanshan, Shenzhen 518055, China
Factory Name	Autel Intelligent Technology Corp., Ltd. Guangming Branch
Factory Address	7F&6F, East Wing, Building 2, and 6F of Electronical Building, Yanxiang Industrial Zone, Gaoxin Rd, Dongzhou Community of Guangming New District, Shenzhen
Product Designation	NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM
Brand Name	AUTEL
Test Model	MaxiSys Ultra S2
Series Model(s)	MaxiSys Ultra EV S2, MaxiSys Ultra S2&ADAS, MaxiSys Ultra EV S2&ADAS, MaxiSys Ultra S2 ADAS
Different Description	The model name and software function configuration are different.
EUT Voltage	DC 3.85V 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	Nov. 04, 2024
Test Date	Dec. 05, 2024 to Dec. 07, 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.

Prepared By — Jack Gui (Project Engineer) Dec. 19, 2024

Reviewed By — Calvin Liu (Reviewer) Dec. 19, 2024

Approved By — Angela Li (Authorized Officer) Dec. 19, 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 (with 5mm separation)			SAR Test Limit (W/kg)
	ANT1	ANT2	ANT1+ANT2	
Module AP6398P				
2.4 GHz WIFI-802.11b	1.113	0.725	/	1.6
2.4 GHz WIFI-802.11n20	0.801	0.645	1.446	
5.2 GHz(U-NII-1) WIFI-802.11a	0.820	1.165	/	
5.2 GHz(U-NII-1) WIFI-802.11n20	0.774	0.855	1.486	
5.8GHz (U-NII-3) WIFI-802.11a	1.169	1.129	/	
5.8GHz (U-NII-3) WIFI-802.11n40	0.891	0.810	1.427	
Module WCN6856				
2.4 GHz WIFI-802.11b	0.177	0.431	/	1.6
2.4 GHz WIFI-802.11ax20	0.142	0.374	0.516	
5.2 GHz(U-NII-1) WIFI-802.11a	0.590	0.821	/	
5.2 GHz(U-NII-1) WIFI-802.11ax80	0.522	0.729	1.251	
5.8GHz (U-NII-3) WIFI-802.11a	0.601	0.740	/	
5.8GHz (U-NII-3) WIFI-802.11ax20	0.591	0.604	1.195	
5.9GHz (U-NII-3) WIFI-802.11a	0.581	0.707	/	
5.9GHz (U-NII-3) WIFI-802.11ax80	0.494	0.507	1.001	
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

2. GENERAL INFORMATION

2.1. EUT Description

General Information			
Product Designation	NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM		
Test Model	MaxiSys Ultra S2		
Hardware Version	DV2377_MAIN_V2		
Software Version	V01.01.00		
Device Category	Portable		
RF Exposure Environment	Uncontrolled		
Antenna Type	Internal		
Bluetooth			
Operation Frequency	2402~2480MHz		
Antenna Gain	4.2dBi		
Bluetooth Version	V5.3		
Type of modulation	**BR/EDR**: GFSK, Π/4-DQPSK, 8-DPSK; **BLE:** GFSK		
Peak Power	**BR/EDR**: -2.459dBm; **BLE:** -1.129dBm		
2.4GHz WIFI			
WIFI Specification	☐802.11a ☒802.11b ☒802.11g ☒802.11n(20) ☒802.11n(40)		
Operation Frequency	2412~2462MHz		
Average Power	Module AP6398P	ANT1	11b:14.27dBm,11g:13.87dBm,11n(20):13.80dBm
		ANT2	11b:13.76dBm,11g:13.57dBm,11n(20):13.71dBm
		MIMO	11n(20):16.71dBm
	Module WCN6856	ANT1	11b:13.40dBm, 11g:12.09dBm, 11n(20):12.06dBm, 11n(40):11.67dBm; 11ax(20):12.15dBm, 11ax(40):11.58dBm;
		ANT2	11b:13.76dBm,11g:12.71dBm,11n(20):12.62dBm,11n(40): 12.26dBm; 11ax(20):12.72dBm,11ax(40):12.04dBm;
		MIMO	11n(20): 15.36Bm, 11n(40):14.99dBm, 11ax(20):15.45dBm, 11ax(40): 14.80dBm;
Antenna Gain	Module AP6398P	ANT1	4.1dBi
		ANT2	3.9dBi
	Module WCN6856	ANT1	4.2dBi
		ANT2	4.0dBi

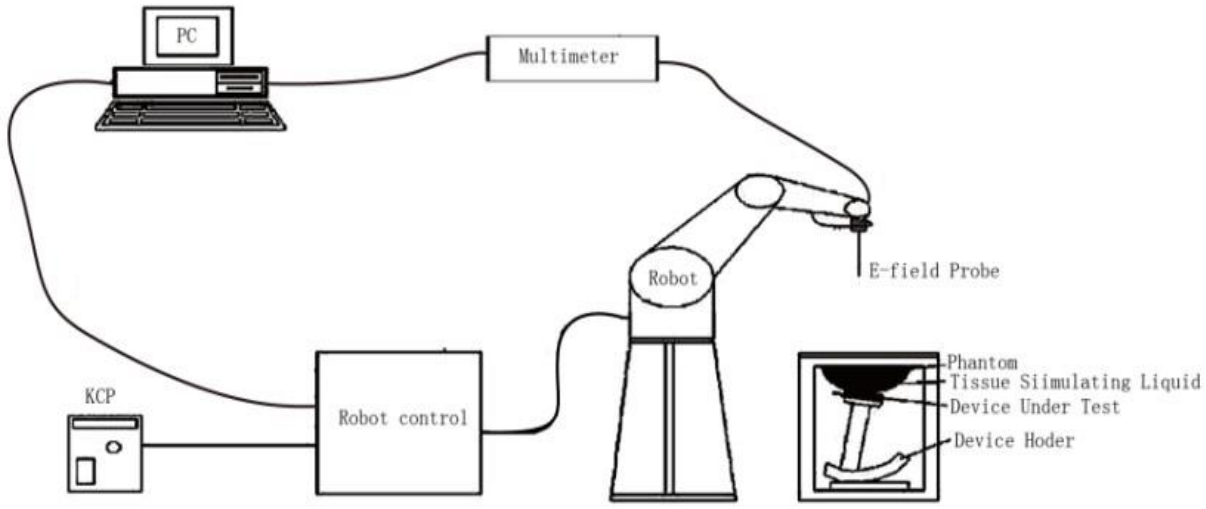
5GHz WIFI			
WIFI Specification	☒802.11a ☒802.11n20 ☒802.11ac20 ☒802.11ax20 ☒802.11n40 ☒802.11ac40 ☒802.11ax40 ☒802.11ac80 ☒802.11ax80 ☒802.11ax160		
Operation Frequency	U-NII-1: 5180MHz~5240MHz; U-NII-3: 5745MHz~5825MHz; U-NII-4: 5845MHz~5885MHz;		
Type of modulation	802.11a/n:(64-QAM, 16-QAM, QPSK, BPSK) OFDM 802.11ac :(256-QAM, 64-QAM, 16-QAM, QPSK, BPSK) OFDM 802.11ax :(1024-QAM, 256-QAM, 64-QAM, 16-QAM, QPSK, BPSK) OFDMA		
EIRP	Module AP6398P	ANT1	U-NII-1: 13.55dBm; U-NII-3: 13.62dBm;
		ANT2	U-NII-1: 13.43dBm; U-NII-3: 13.36dBm;
		MIMO	U-NII-1: 15.36dBm; U-NII-3: 15.85dBm;
	Module WCN6856	ANT1	U-NII-1: 14.69dBm; U-NII-3: 13.96dBm; U-NII-4: 13.33dBm;
		ANT2	U-NII-1: 14.06dBm; U-NII-3: 13.81dBm; U-NII-4: 13.43dBm;
		MIMO	U-NII-1: 16.59dBm; U-NII-3: 15.89dBm; U-NII-4: 15.44dBm;
Antenna Gain	Module AP6398P	ANT1	U-NII-1: 1.8dBi, U-NII-3: 2.9dBi;
		ANT2	U-NII-1: 2.0dBi, U-NII-3: 3.1dBi;
	Module WCN6856	ANT1	U-NII-1: 2.0dBi, U-NII-3: 3.0dBi;
		ANT2	U-NII-1: 1.9dBi, U-NII-3: 2.8dBi;
Battery	Brand name: AUTEL Model No. : DV2377 Voltage and Capacitance: 3.85V & 20000mAh		

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.

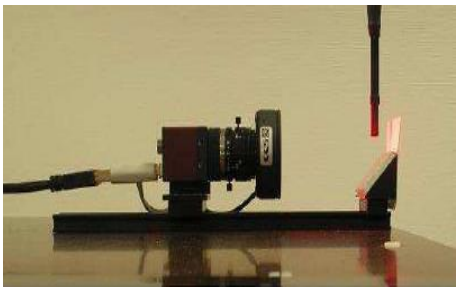
Isotropic E-Field Probe Specification

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%.	

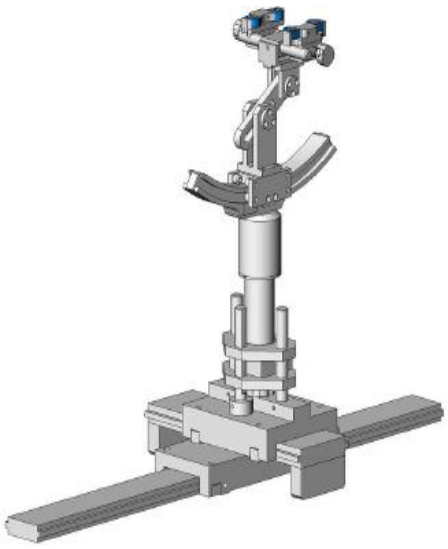
3.3. Robot

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. ELLI39 Phantom

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:

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

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

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

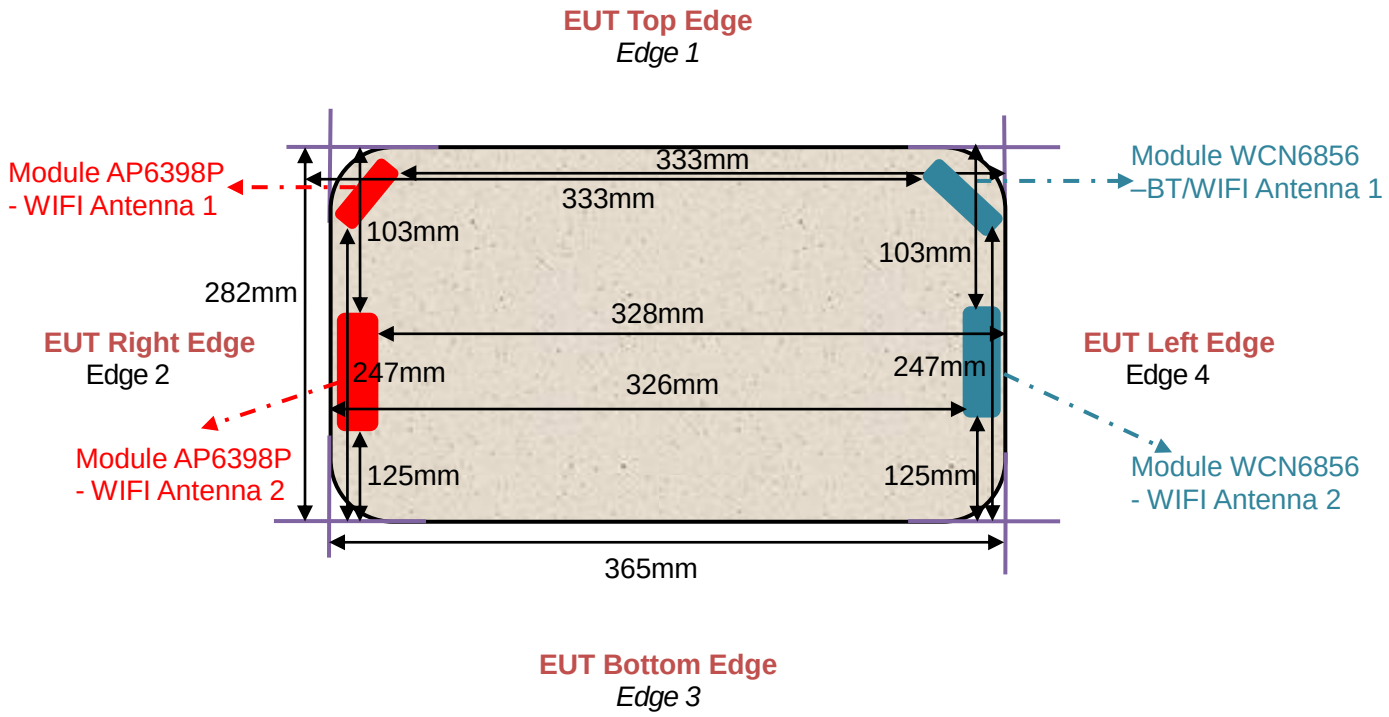
Test Configuration and setting:

The device support 2.4GHz, 5G WIFI and Bluetooth;

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

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

Antenna Location: (the back view)



SAR Test Exclusion Consideration for Adjacent Edges

Per KDB 447498 D01 cl. 4.3.1:

a) For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0 for1-g SAR, and ≤ 7.5 for 10-g extremity SAR.

b) For 100 MHz to 6 GHz and test separation distances > 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

2) {[Power allowed at numeric threshold for 50 mm in step a)] + [(test separation distance – 50 mm)•10]} mW, for > 1500 MHz and ≤ 6 GHz

1-g SAR test exclusion thresholds for Module AP6398P					
ANT1					
Test Mode / Test position		Edge 1 (11mm)	Edge 2 (11mm)	Edge 3 (247mm)	Edge 4 (333mm)
2.4G WIFI	SAR test exclusion thresholds(mW)	21.25	21.25	2066.58	2926.58
	SAR Max. Avg. Burst Power(mW)	26.73	26.73	26.73	26.73
	SAR required (Yes/No)	YES	YES	NO	NO
5.2 WIFI	SAR test exclusion thresholds(mW)	14.50	14.50	2035.91	2895.91
	SAR Max. Avg. Burst Power(mW)	22.65	22.65	22.65	22.65
	SAR required (Yes/No)	YES	YES	NO	NO
5.8 WIFI	SAR test exclusion thresholds(mW)	13.72	13.72	2032.36	2892.36
	SAR Max. Avg. Burst Power(mW)	23.01	23.01	23.01	23.01
	SAR required (Yes/No)	YES	YES	NO	NO
ANT2					
Test Mode / Test position		Edge 1 (103mm)	Edge 2 (12mm)	Edge 3 (125mm)	Edge 4 (328mm)
2.4G WIFI	SAR test exclusion thresholds(mW)	626.58	23.18	846.58	2876.58
	SAR Max. Avg. Burst Power(mW)	23.77	23.77	23.77	23.77
	SAR required (Yes/No)	NO	YES	NO	NO
5.2 WIFI	SAR test exclusion thresholds(mW)	595.91	15.82	815.91	2845.91
	SAR Max. Avg. Burst Power(mW)	22.03	22.03	22.03	22.03
	SAR required (Yes/No)	NO	YES	NO	NO
5.8 WIFI	SAR test exclusion thresholds(mW)	592.36	14.97	812.36	2842.36
	SAR Max. Avg. Burst Power(mW)	21.68	21.68	21.68	21.68
	SAR required (Yes/No)	NO	YES	NO	NO

1-g SAR test exclusion thresholds for Module WCN6856					
ANT1					
Test Mode \ Test position		Edge 1 (11mm)	Edge 2 (333mm)	Edge 3 (247mm)	Edge 4 (11mm)
2.4G WIFI	SAR test exclusion thresholds(mW)	21.25	2926.58	2066.58	21.25
	SAR Max. Avg. Burst Power(mW)	21.88	21.88	21.88	21.88
	SAR required (Yes/No)	YES	NO	NO	YES
5.2 WIFI	SAR test exclusion thresholds(mW)	14.42	2895.53	2035.53	14.42
	SAR Max. Avg. Burst Power(mW)	29.44	29.44	29.44	29.44
	SAR required (Yes/No)	YES	NO	NO	YES
5.8 WIFI	SAR test exclusion thresholds(mW)	13.77	2892.58	2032.58	13.77
	SAR Max. Avg. Burst Power(mW)	24.89	24.89	24.89	24.89
	SAR required (Yes/No)	YES	NO	NO	YES
5.9 WIFI	SAR test exclusion thresholds(mW)	13.65	2892.04	2032.04	13.65
	SAR Max. Avg. Burst Power(mW)	21.53	21.53	21.53	21.53
	SAR required (Yes/No)	YES	NO	NO	YES
ANT2					
Test Mode \ Test position		Edge 1 (103mm)	Edge 2 (326mm)	Edge 3 (125mm)	Edge 4 (12mm)
2.4G WIFI	SAR test exclusion thresholds(mW)	626.58	2856.58	846.58	23.18
	SAR Max. Avg. Burst Power(mW)	23.77	23.77	23.77	23.77
	SAR required (Yes/No)	NO	NO	NO	YES
5.2 WIFI	SAR test exclusion thresholds(mW)	595.53	2825.53	815.53	15.73
	SAR Max. Avg. Burst Power(mW)	25.47	25.47	25.47	25.47
	SAR required (Yes/No)	NO	NO	NO	YES
5.8 WIFI	SAR test exclusion thresholds(mW)	592.15	2822.15	812.15	14.92
	SAR Max. Avg. Burst Power(mW)	24.04	24.04	24.04	24.04
	SAR required (Yes/No)	NO	NO	NO	YES
5.9 WIFI	SAR test exclusion thresholds(mW)	591.83	2821.83	811.83	14.84
	SAR Max. Avg. Burst Power(mW)	22.03	22.03	22.03	22.03
	SAR required (Yes/No)	NO	NO	NO	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 monohex ylether
2450 Head	71.88	0.16	0.0	7.99	0.0	19.97	0.0
5000 Head	65.52	0.0	0.0	0.0	0.0	17.24	17.24

5.2. Tissue Dielectric Parameters for Head and Body Phantoms

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

Target Frequency (MHz)	head		body	
	εr	σ (S/m)	εr	σ (S/m)
300	45.3	0.87	45.3	0.87
450	43.5	0.87	43.5	0.87
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 (±10%)		Tissue Temp [°C]	Test time
		εr39.2(35.28-43.12)	δ[s/m]1.80(1.62-1.98)		
Head	2412	40.73	1.73	19.1	Dec. 05, 2024
	2437	39.26	1.76		
	2450	38.74	1.78		
	2462	37.62	1.80		

Tissue Stimulant Measurement for 5200MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 36.0(32.4-39.6)	δ[s/m] 4.66(4.194 -5.126)		
Head	5180	36.72	4.60	20.8	Dec. 06, 2024
	5200	35.68	4.61		
	5210	34.13	4.66		
	5240	33.86	4.69		

Tissue Stimulant Measurement for 5800MHz					
	Fr. (MHz)	Dielectric Parameters (±10%)		Tissue Temp [°C]	Test time
		εr 35.3 (31.77-38.83)	δ[s/m] 5.27 (4.743-5.797)		
Head	5745	36.69	5.18	20.5	Dec. 07, 2024
	5755	36.03	5.22		
	5785	35.91	5.25		
	5795	35.62	5.28		
	5800	34.96	5.31		
	5825	33.82	5.36		
	5855	33.62	5.39		
	5865	32.97	5.41		
	5885	32.64	5.44		
	5865	31.98	5.47		

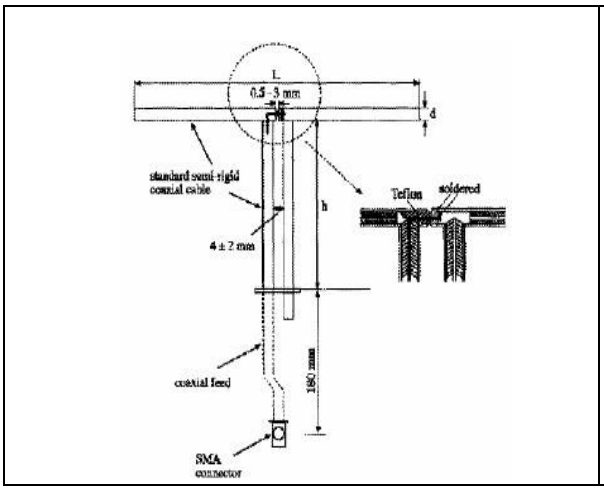
6. SAR SYSTEM CHECK PROCEDURE

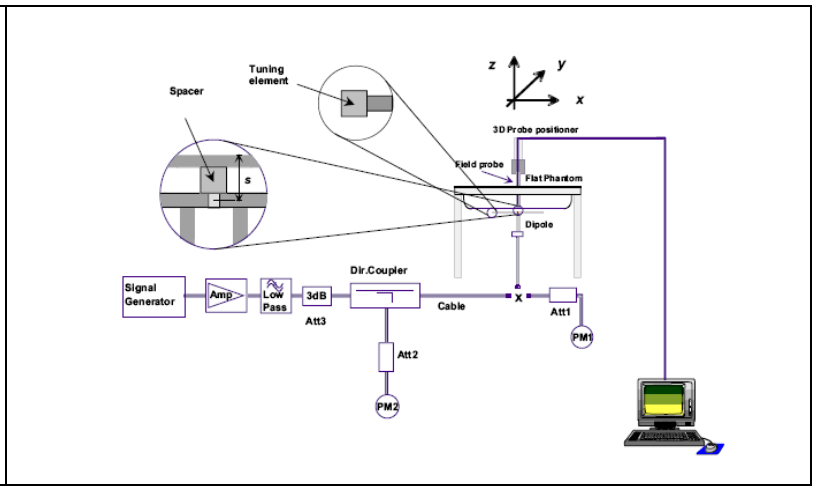
6.1. SAR System Check Procedures

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.

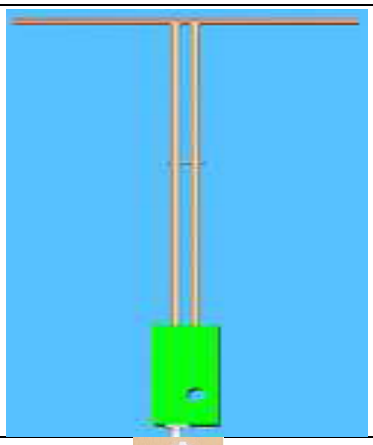
Each SATIMO system is equipped with one or more system check kits. These units, together with the predefined measurement procedures within the SATIMO software, enable the user to conduct the system check and system validation. System kit includes a dipole, and dipole device holder.

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	59.04	26.37	19.1	Dec. 05, 2024
5200	73.43	21.83	66.087-80.773	19.647-24.013	70.20	23.60	20.8	Dec. 06, 2024
5800	75.69	22.44	68.121-83.259	20.196-24.684	74.60	22.80	20.5	Dec. 07, 2024

Note:
(1) We use a CW signal of 15dBm or 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

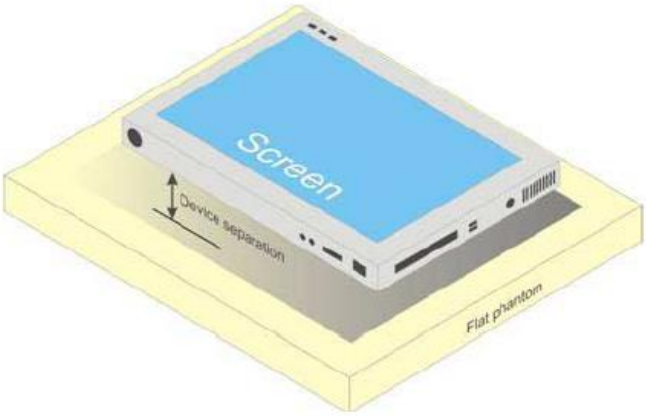
This EUT was tested in **Body back, Body front, Edge 1 (Top), Edge 2 (Right) and Edge 4 (Left).**

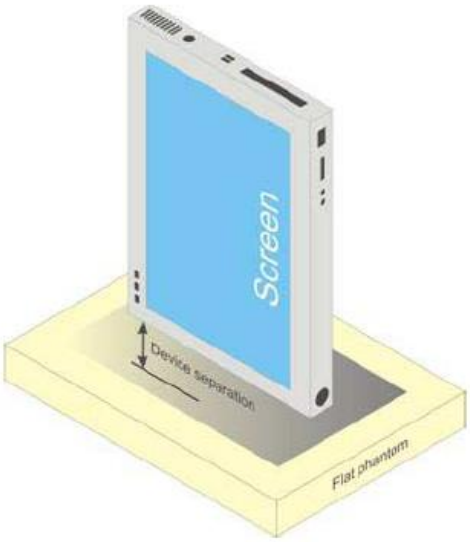
7.1. Body Worn Position

(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 **5mm.**





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	V5.3.15.8	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. 08, 2024	Nov. 07, 2025
Thermometer	DigiMate/TP677	3811930452	N/A	June 06, 2024	June 05, 2025

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

11. MEASUREMENT UNCERTAINTY

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

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

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

12. CONDUCTED POWER MEASUREMENT

2.4GHz WIFI

Mode	Data Rate (Mbps)	Channel	Frequency (MHz)	Average Power [dBm] -ANT1	Average Power [dBm] -ANT2	Average Power [dBm] -MIMO
Module AP6398P						
802.11b	1	1	2412	**14.27**	**13.76**	N/A
		6	2437	14.26	13.18	N/A
		11	2462	14.16	12.15	N/A
802.11g	6	1	2412	13.66	13.57	N/A
		6	2437	13.87	13.06	N/A
		11	2462	13.56	12.18	N/A
802.11n(20)	MCS0	1	2412	13.69	13.71	**16.71**
		6	2437	13.80	13.02	16.44
		11	2462	13.38	12.10	15.80
Module WCN6856						
802.11b	1	1	2412	**13.40**	**13.76**	N/A
		6	2437	12.44	12.83	N/A
		11	2462	12.49	13.04	N/A
802.11g	6	1	2412	12.09	12.71	N/A
		6	2437	11.50	11.78	N/A
		11	2462	11.59	12.10	N/A
802.11n(20)	MCS0	1	2412	12.06	12.62	15.36
		6	2437	11.47	11.79	14.64
		11	2462	11.44	11.95	14.71
802.11n(40)	MCS0	1	2412	11.67	12.26	14.99
		6	2437	11.67	12.20	14.95
		11	2462	11.63	12.07	14.87
802.11ax(20)	MCS0	1	2412	12.15	12.72	**15.45**
		6	2437	11.56	11.77	14.68
		11	2462	11.49	12.01	14.77
802.11ax(40)	MCS0	1	2412	11.53	12.04	14.80
		6	2437	11.57	12.03	14.82
		11	2462	11.58	11.85	14.73

Bluetooth_V5.3 (BR/EDR)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK	0	2402	-2.557
	39	2441	**-2.459**
	78	2480	-3.544
π /4-DQPSK	0	2402	-3.039
	39	2441	-2.967
	78	2480	-4.042
8-DPSK	0	2402	-2.746
	39	2441	-2.578
	78	2480	-3.685

Bluetooth_V5.3 (BLE)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
GFSK 1M	0	2402	**-1.212**
	19	2440	-1.857
	39	2480	-2.855
GFSK 2M	0	2402	**-1.129**
	19	2440	-1.904
	39	2480	-2.717

BR&EDR:

The result for RF exposure evaluation SAR=(0.568mW /5mm) .[√2.441(GHz)]=0.177<3.0 for 1-g SAR

BLE:

The result for RF exposure evaluation SAR=(0.771mW /5mm) .[√2.402(GHz)]=0.239<3.0 for 1-g SAR.

CONCLUSION

The SAR evaluation of BT is not required.

5GHz WIFI-Module AP6398P

Mode	channel	Frequency	Average Power (dBm)-ANT1							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	**13.55**	13.35	13.15	13.10	12.94	12.76	12.61	12.60
	40	5200	13.33	13.19	13.03	13.01	12.83	12.71	12.69	12.52
	48	5240	13.32	13.15	13.02	12.83	12.75	12.57	12.55	12.46
	149	5745	13.42	13.39	13.35	13.16	13.01	12.98	12.96	12.88
	157	5785	**13.62**	13.60	13.59	13.50	13.34	13.24	13.08	12.92
	165	5825	13.52	13.42	13.26	13.24	13.18	13.02	12.83	12.67
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (20)	36	5180	12.53	12.50	12.46	12.32	12.17	12.11	12.02	11.93
	40	5200	12.35	12.22	12.14	12.09	11.96	11.81	11.66	11.65
	48	5240	12.41	12.39	12.19	12.01	11.92	11.86	11.79	11.69
	149	5745	12.55	12.53	12.38	12.31	12.19	12.11	11.91	11.79
	157	5785	12.38	12.29	12.17	12.04	11.87	11.84	11.71	11.71
	165	5825	12.45	12.34	12.21	12.05	11.87	11.87	11.83	11.77
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (40)	38	5190	12.32	12.12	11.97	11.80	11.75	11.58	11.52	11.37
	46	5230	11.95	11.87	11.70	11.59	11.49	11.39	11.22	11.21
	151	5755	12.88	12.76	12.66	12.64	12.46	12.33	12.20	12.09
	159	5795	12.39	12.23	12.10	11.98	11.82	11.72	11.58	11.51
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (20)	36	5180	12.36	12.30	12.28	12.12	12.07	11.95	11.86	11.83
	40	5200	12.17	12.05	11.98	11.84	11.67	11.61	11.61	11.55
	48	5240	12.18	12.06	12.02	11.96	11.90	11.90	11.79	11.74
	149	5745	12.57	12.54	12.41	12.38	12.38	12.36	12.34	12.29
	157	5785	12.26	12.12	11.99	11.84	11.78	11.65	11.56	11.47
	165	5825	12.26	12.17	12.11	11.98	11.94	11.89	11.83	11.72
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (40)	38	5190	12.02	11.93	11.82	11.73	11.64	11.58	11.53	11.37
	46	5230	12.03	12.01	11.89	11.70	11.58	11.46	11.35	11.16
	151	5755	12.68	12.63	12.60	12.53	12.33	12.22	12.14	12.11
	159	5795	12.48	12.35	12.18	12.03	11.88	11.76	11.62	11.53
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (80)	42	5210	11.31	11.30	11.15	11.09	11.00	10.97	10.79	10.70
	155	5775	11.97	11.91	11.77	11.59	11.47	11.47	11.41	11.33

Mode	channel	Frequency	Average Power (dBm)-ANT2							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	**13.43**	13.28	13.23	13.07	12.95	12.83	12.64	12.57
	40	5200	13.12	13.05	12.94	12.90	12.88	12.78	12.75	12.73
	48	5240	12.89	12.79	12.61	12.52	12.40	12.29	12.21	12.12
	149	5745	13.21	13.16	13.11	12.95	12.85	12.65	12.65	12.56
	157	5785	**13.36**	13.23	13.23	13.04	13.02	12.82	12.72	12.70
	165	5825	13.17	13.00	12.93	12.79	12.66	12.57	12.55	12.44
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (20)	36	5180	12.17	12.02	11.97	11.83	11.64	11.60	11.51	11.42
	40	5200	11.94	11.83	11.70	11.59	11.50	11.38	11.27	11.26
	48	5240	11.71	11.54	11.51	11.44	11.31	11.14	11.09	11.00
	149	5745	12.38	12.26	12.21	12.13	12.06	11.98	11.82	11.78
	157	5785	12.30	12.11	12.01	11.83	11.75	11.61	11.56	11.44
	165	5825	12.23	12.04	11.99	11.90	11.86	11.67	11.50	11.37
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (40)	38	5190	11.69	11.67	11.52	11.45	11.38	11.28	11.10	11.01
	46	5230	11.47	11.46	11.28	11.25	11.06	11.04	10.99	10.97
	151	5755	12.80	12.72	12.65	12.56	12.49	12.46	12.29	12.17
	159	5795	12.64	12.59	12.45	12.35	12.33	12.26	12.16	12.15
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (20)	36	5180	12.18	12.08	12.03	12.02	11.84	11.70	11.55	11.36
	40	5200	12.01	12.01	11.92	11.81	11.78	11.62	11.60	11.52
	48	5240	11.65	11.55	11.38	11.38	11.19	11.18	11.01	10.99
	149	5745	12.13	11.95	11.77	11.70	11.57	11.50	11.49	11.40
	157	5785	12.17	12.01	11.90	11.77	11.67	11.48	11.43	11.37
	165	5825	12.17	11.99	11.94	11.87	11.86	11.72	11.62	11.49
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (40)	38	5190	11.62	11.46	11.30	11.24	11.23	11.22	11.07	10.89
	46	5230	11.51	11.38	11.20	11.10	10.91	10.82	10.75	10.59
	151	5755	12.68	12.68	12.59	12.56	12.47	12.30	12.10	12.09
	159	5795	12.58	12.40	12.38	12.31	12.30	12.29	12.24	12.04
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (80)	42	5210	10.93	10.79	10.73	10.56	10.38	10.36	10.25	10.15
	155	5775	11.65	11.56	11.48	11.32	11.20	11.07	10.99	10.89

Mode	channel	Frequency	Average Power (dBm)-MIMO							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	40	5200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	48	5240	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	149	5745	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	157	5785	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	165	5825	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (20)	36	5180	**15.36**	15.28	15.23	15.09	14.92	14.87	14.78	14.69
	40	5200	15.16	15.04	14.94	14.86	14.75	14.61	14.48	14.47
	48	5240	15.08	15.00	14.87	14.74	14.64	14.53	14.46	14.37
	149	5745	15.48	15.41	15.31	15.23	15.14	15.06	14.88	14.80
	157	5785	15.35	15.21	15.10	14.95	14.82	14.74	14.65	14.59
	165	5825	15.35	15.20	15.11	14.99	14.88	14.78	14.68	14.58
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (40)	38	5190	15.03	14.91	14.76	14.64	14.58	14.44	14.33	14.20
	46	5230	14.73	14.68	14.51	14.43	14.29	14.23	14.12	14.10
	151	5755	**15.85**	15.75	15.67	15.61	15.49	15.41	15.26	15.14
	159	5795	15.53	15.42	15.29	15.18	15.09	15.01	14.89	14.85
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (20)	36	5180	15.28	15.20	15.17	15.08	14.97	14.84	14.72	14.61
	40	5200	15.10	15.04	14.96	14.84	14.74	14.63	14.62	14.55
	48	5240	14.93	14.82	14.72	14.69	14.57	14.57	14.43	14.39
	149	5745	15.37	15.27	15.11	15.06	15.00	14.96	14.95	14.88
	157	5785	15.23	15.08	14.96	14.82	14.74	14.58	14.51	14.43
	165	5825	15.23	15.09	15.04	14.94	14.91	14.82	14.74	14.62
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (40)	38	5190	14.83	14.71	14.58	14.50	14.45	14.41	14.32	14.15
	46	5230	14.79	14.72	14.57	14.42	14.27	14.16	14.07	13.89
	151	5755	15.69	15.67	15.61	15.56	15.41	15.27	15.13	15.11
	159	5795	15.54	15.39	15.29	15.18	15.11	15.04	14.95	14.80
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (80)	42	5210	14.13	14.06	13.96	13.84	13.71	13.69	13.54	13.44
	155	5775	14.82	14.75	14.64	14.47	14.35	14.28	14.22	14.13

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Mode	channel	Frequency	Average Power (dBm)-ANT1							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	14.49	14.42	14.25	14.06	14.02	13.95	13.80	13.77
	40	5200	14.55	14.37	14.35	14.18	14.11	13.93	13.87	13.77
	48	5240	**14.69**	14.55	14.45	14.30	14.10	14.09	14.00	13.98
	149	5745	**13.96**	13.82	13.71	13.58	13.50	13.37	13.28	13.10
	157	5785	13.93	13.78	13.71	13.59	13.47	13.36	13.34	13.34
	165	5825	13.92	13.92	13.85	13.77	13.71	13.59	13.48	13.46
	167	5845	**13.33**	13.17	13.14	13.14	13.01	13.00	12.85	12.80
	173	5865	13.26	13.23	13.19	13.03	12.92	12.81	12.76	12.74
	177	5885	13.32	13.14	13.04	12.95	12.84	12.66	12.51	12.47
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (20)	36	5180	13.29	13.17	13.10	12.96	12.89	12.70	12.65	12.65
	40	5200	13.37	13.18	13.15	13.00	12.91	12.72	12.70	12.54
	48	5240	13.48	13.44	13.40	13.22	13.20	13.02	12.88	12.76
	149	5745	12.73	12.55	12.41	12.31	12.20	12.02	11.83	11.69
	157	5785	12.67	12.47	12.27	12.21	12.11	12.10	12.06	11.91
	165	5825	12.79	12.59	12.41	12.33	12.18	12.12	12.02	11.85
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (40)	38	5190	13.55	13.50	13.34	13.21	13.12	12.94	12.87	12.69
	46	5230	13.67	13.55	13.42	13.32	13.13	12.94	12.87	12.76
	151	5755	13.04	12.89	12.74	12.64	12.63	12.54	12.41	12.22
	159	5795	12.88	12.75	12.66	12.53	12.51	12.43	12.31	12.30
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (20)	36	5180	13.27	13.11	12.92	12.86	12.82	12.77	12.67	12.61
	40	5200	13.34	13.16	12.99	12.81	12.70	12.56	12.45	12.36
	48	5240	13.51	13.48	13.43	13.23	13.03	12.93	12.93	12.90
	149	5745	12.73	12.59	12.41	12.26	12.14	11.97	11.93	11.85
	157	5785	12.72	12.58	12.49	12.47	12.41	12.27	12.10	12.00
	165	5825	12.80	12.68	12.59	12.49	12.32	12.29	12.21	12.07
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (40)	38	5190	13.57	13.54	13.44	13.33	13.17	12.98	12.90	12.75
	46	5230	13.69	13.59	13.43	13.34	13.22	13.09	12.89	12.84
	151	5755	13.05	13.00	12.83	12.79	12.68	12.68	12.58	12.50
	159	5795	12.86	12.67	12.53	12.39	12.23	12.15	11.98	11.83
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (80)	42	5210	13.61	13.52	13.42	13.40	13.22	13.13	13.04	12.87
	155	5775	12.86	12.75	12.68	12.55	12.45	12.32	12.15	12.14
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (20)	36	5180	13.40	13.33	13.16	12.97	12.86	12.72	12.66	12.64
	40	5200	13.45	13.29	13.23	13.06	12.98	12.86	12.71	12.64

	48	5240	13.61	13.49	13.38	13.26	13.25	13.25	13.22	13.21
	149	5745	12.78	12.62	12.48	12.42	12.33	12.24	12.15	11.95
	157	5785	12.75	12.58	12.49	12.46	12.38	12.22	12.04	11.91
	165	5825	12.88	12.81	12.62	12.45	12.39	12.37	12.26	12.09
	167	5845	12.22	12.14	12.00	11.90	11.76	11.64	11.59	11.50
	173	5865	12.15	12.11	11.98	11.89	11.84	11.71	11.53	11.43
	177	5885	12.22	12.10	12.08	11.90	11.88	11.78	11.71	11.57
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (40)	38	5190	13.47	13.47	13.30	13.28	13.28	13.19	13.06	13.02
	46	5230	13.62	13.58	13.56	13.37	13.27	13.19	13.07	12.93
	151	5755	12.94	12.82	12.74	12.62	12.52	12.44	12.37	12.23
	159	5795	12.75	12.58	12.54	12.38	12.32	12.16	12.02	12.00
	167	5835	12.24	12.06	11.95	11.90	11.85	11.70	11.56	11.37
	175	5875	12.15	12.11	11.97	11.90	11.75	11.66	11.64	11.64
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (80)	42	5210	13.68	13.65	13.55	13.41	13.33	13.18	13.17	13.10
	155	5775	12.97	12.92	12.73	12.57	12.51	12.37	12.36	12.29
	171	5855	12.50	12.36	12.27	12.26	12.09	11.90	11.85	11.71
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (160)	163	5815	12.28	12.27	12.14	12.03	11.96	11.90	11.85	11.75

Mode	channel	Frequency	Average Power (dBm)-ANT2							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	13.85	13.82	13.79	13.62	13.44	13.39	13.25	13.14
	40	5200	13.77	13.63	13.51	13.32	13.13	12.94	12.92	12.83
	48	5240	**14.06**	13.99	13.92	13.90	13.72	13.65	13.58	13.43
	149	5745	13.37	13.37	13.25	13.07	13.02	12.95	12.85	12.75
	157	5785	13.45	13.41	13.23	13.09	13.07	12.96	12.92	12.83
	165	5825	**13.81**	13.65	13.47	13.41	13.39	13.35	13.34	13.23
	167	5845	13.10	12.96	12.87	12.70	12.52	12.33	12.25	12.16
	173	5865	13.08	13.02	13.02	12.92	12.74	12.57	12.57	12.56
	177	5885	**13.43**	13.32	13.28	13.17	13.05	13.02	12.83	12.65
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (20)	36	5180	13.04	13.02	12.97	12.79	12.77	12.70	12.52	12.41
	40	5200	12.98	12.96	12.91	12.74	12.71	12.56	12.46	12.43
	48	5240	13.10	13.00	12.81	12.81	12.75	12.68	12.54	12.50
	149	5745	12.19	12.16	12.11	11.91	11.86	11.74	11.57	11.47
	157	5785	12.26	12.12	11.98	11.87	11.71	11.53	11.39	11.27
	165	5825	12.78	12.76	12.67	12.64	12.52	12.35	12.29	12.13
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11n (40)	38	5190	13.26	13.12	13.06	12.92	12.90	12.73	12.58	12.51
	46	5230	13.36	13.20	13.00	12.94	12.92	12.79	12.66	12.53
	151	5755	12.50	12.47	12.47	12.44	12.27	12.24	12.10	11.90
	159	5795	12.47	12.43	12.31	12.19	12.00	11.96	11.77	11.68
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (20)	36	5180	13.01	12.99	12.93	12.74	12.58	12.46	12.33	12.28
	40	5200	12.95	12.90	12.78	12.68	12.62	12.49	12.36	12.24
	48	5240	13.03	13.00	12.86	12.79	12.72	12.58	12.55	12.48
	149	5745	12.11	12.10	11.95	11.87	11.73	11.54	11.46	11.43
	157	5785	12.23	12.14	11.96	11.79	11.66	11.58	11.49	11.30
	165	5825	12.78	12.69	12.64	12.58	12.56	12.52	12.44	12.35
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (40)	38	5190	13.25	13.19	13.04	13.02	12.87	12.75	12.67	12.59
	46	5230	13.33	13.20	13.10	12.93	12.91	12.76	12.61	12.41
	151	5755	12.49	12.44	12.27	12.19	11.99	11.93	11.86	11.72
	159	5795	12.49	12.45	12.28	12.20	12.17	12.13	12.03	11.85
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ac (80)	42	5210	13.33	13.17	13.00	12.91	12.73	12.69	12.53	12.48
	155	5775	12.38	12.26	12.09	11.90	11.87	11.78	11.71	11.62
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (20)	36	5180	13.14	12.97	12.94	12.93	12.84	12.83	12.65	12.52
	40	5200	13.09	13.00	12.87	12.78	12.76	12.72	12.64	12.47
	48	5240	13.20	13.06	12.94	12.85	12.85	12.81	12.66	12.55

	149	5745	12.22	12.20	12.19	12.02	11.93	11.91	11.87	11.75
	157	5785	12.33	12.19	12.17	12.10	12.09	12.03	11.93	11.82
	165	5825	12.87	12.74	12.72	12.56	12.54	12.41	12.36	12.22
	167	5845	12.08	12.00	11.90	11.89	11.73	11.53	11.47	11.41
	173	5865	12.01	11.96	11.80	11.70	11.58	11.51	11.49	11.33
	177	5885	12.37	12.27	12.21	12.16	12.08	12.05	11.95	11.84
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (40)	38	5190	13.19	13.05	12.97	12.90	12.88	12.80	12.61	12.43
	46	5230	13.30	13.16	13.03	13.03	12.89	12.71	12.55	12.51
	151	5755	12.39	12.30	12.29	12.27	12.13	12.12	12.08	11.92
	159	5795	12.40	12.32	12.26	12.22	12.13	11.98	11.86	11.67
	167	5835	12.09	11.92	11.83	11.65	11.64	11.48	11.38	11.28
	175	5875	12.11	11.95	11.77	11.61	11.43	11.41	11.31	11.31
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (80)	42	5210	13.47	13.41	13.28	13.10	13.08	12.92	12.86	12.66
	155	5775	12.53	12.41	12.26	12.20	12.09	12.09	12.01	11.92
	171	5855	12.36	12.21	12.02	11.85	11.67	11.49	11.30	11.26
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (160)	163	5815	11.79	11.69	11.64	11.45	11.43	11.40	11.37	11.34

Mode	channel	Frequency	Average Power (dBm)-MIMO							
			Data Rate(bps)							
			6M	9M	12M	18M	24M	36M	48M	54M
802.11a	36	5180	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	40	5200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	48	5240	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	149	5745	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	157	5785	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	165	5825	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	167	5845	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	173	5865	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	177	5885	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (20)	36	5180	16.18	16.11	16.05	15.89	15.84	15.71	15.60	15.54
	40	5200	16.19	16.08	16.04	15.88	15.82	15.65	15.59	15.50
	48	5240	16.30	16.24	16.13	16.03	15.99	15.86	15.72	15.64
	149	5745	15.48	15.37	15.27	15.12	15.04	14.89	14.71	14.59
	157	5785	15.48	15.31	15.14	15.05	14.92	14.83	14.75	14.61
	165	5825	15.80	15.69	15.55	15.50	15.36	15.25	15.17	15.00
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11n (40)	38	5190	16.42	16.32	16.21	16.08	16.02	15.85	15.74	15.61
	46	5230	16.53	16.39	16.23	16.14	16.04	15.88	15.78	15.66
	151	5755	15.79	15.70	15.62	15.55	15.46	15.40	15.27	15.07
	159	5795	15.69	15.60	15.50	15.37	15.27	15.21	15.06	15.01
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (20)	36	5180	16.15	16.06	15.94	15.81	15.71	15.63	15.51	15.46
	40	5200	16.16	16.04	15.90	15.76	15.67	15.54	15.42	15.31
	48	5240	16.29	16.26	16.16	16.03	15.89	15.77	15.75	15.71
	149	5745	15.44	15.36	15.20	15.08	14.95	14.77	14.71	14.66
	157	5785	15.49	15.38	15.24	15.15	15.06	14.95	14.82	14.67
	165	5825	15.80	15.70	15.63	15.55	15.45	15.42	15.34	15.22
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (40)	38	5190	16.42	16.38	16.25	16.19	16.03	15.88	15.80	15.68
	46	5230	16.52	16.41	16.28	16.15	16.08	15.94	15.76	15.64
	151	5755	15.79	15.74	15.57	15.51	15.36	15.33	15.25	15.14
	159	5795	15.69	15.57	15.42	15.31	15.21	15.15	15.02	14.85
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ac (80)	42	5210	16.48	16.36	16.23	16.17	15.99	15.93	15.80	15.69
	155	5775	15.64	15.52	15.41	15.25	15.18	15.07	14.95	14.90
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
802.11ax (20)	36	5180	16.28	16.16	16.06	15.96	15.86	15.79	15.67	15.59
	40	5200	16.28	16.16	16.06	15.93	15.88	15.80	15.69	15.57
	48	5240	16.42	16.29	16.18	16.07	16.06	16.05	15.96	15.90

	149	5745	15.52	15.43	15.35	15.23	15.14	15.09	15.02	14.86
	157	5785	15.56	15.40	15.34	15.29	15.25	15.14	15.00	14.88
	165	5825	**15.89**	15.79	15.68	15.52	15.48	15.40	15.32	15.17
	167	5845	15.16	15.08	14.96	14.91	14.76	14.60	14.54	14.47
	173	5865	15.09	15.05	14.90	14.81	14.72	14.62	14.52	14.39
	177	5885	15.31	15.20	15.16	15.04	14.99	14.93	14.84	14.72
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (40)	38	5190	16.34	16.28	16.15	16.10	16.09	16.01	15.85	15.75
	46	5230	16.47	16.39	16.31	16.21	16.09	15.97	15.83	15.74
	151	5755	15.68	15.58	15.53	15.46	15.34	15.29	15.24	15.09
	159	5795	15.59	15.46	15.41	15.31	15.24	15.08	14.95	14.85
	167	5835	15.18	15.00	14.90	14.79	14.76	14.60	14.48	14.34
	175	5875	15.14	15.04	14.88	14.77	14.60	14.55	14.49	14.49
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (80)	42	5210	**16.59**	16.54	16.43	16.27	16.22	16.06	16.03	15.90
	155	5775	15.77	15.68	15.51	15.40	15.32	15.24	15.20	15.12
	171	5855	**15.44**	15.30	15.16	15.07	14.90	14.71	14.59	14.50
			MCS0	**MCS1**	**MCS2**	**MCS3**	**MCS4**	**MCS5**	**MCS6**	**MCS7**
802.11ax (160)	163	5815	15.05	15.00	14.91	14.76	14.71	14.67	14.63	14.56

13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

1. Lab use the head liquid with a separation of 5mm at flat phantom to test;

2. 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 248227 D01 v02r02 Chapter 5.2.2,when SAR measurement is required for 2.4GHz 802.11g/n OFDM configurations, the measurement and test reducing procedures for OFDM are applied. SAR is not required for the following 2.4 GHz OFDM conditions.

   (1) When KDB Publication 447498 D01 SAR test exclusion applies to the OFDM configuration.

   (2) When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is≤1.2 W/kg,

4. Per KDB 248227 D01 v02r02 Chapter 5.3.4, SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. The initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, the procedures in 5.3.2 are applied to determine the test configuration. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.

   (1) When SAR test exclusion provisions of KDB Publication 447498 D01 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.

   (2) When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified 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;

5. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:
Maximum Scaling SAR =tested SAR (Max.) ×[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 (%): 44.6					
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT 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**
Module AP6398P-ANT1									
Body back	DTS	6	2437	-0.07	0.233	14.30	14.26	0.235	1.6
Body front	DTS	6	2437	-0.04	0.215	14.30	14.26	0.217	1.6
Edge 1 (Top)	DTS	1	2412	0.02	0.978	14.30	14.27	0.985	1.6
Edge 1 (Top)	DTS	6	2437	-0.03	0.814	14.30	14.26	0.822	1.6
Edge 1 (Top)	DTS	11	2462	-0.10	**1.078**	14.30	14.16	**1.113**	1.6
Edge 2 (Right)	DTS	6	2437	0.33	0.067	14.30	14.26	0.068	1.6
Module AP6398P-ANT2									
Body back	DTS	6	2437	-0.20	0.245	13.80	13.18	0.283	1.6
Body front	DTS	6	2437	0.16	0.325	13.80	13.18	0.375	1.6
Edge 2 (Right)	DTS	1	2412	-0.07	0.482	13.80	13.76	0.486	1.6
Edge 2 (Right)	DTS	6	2437	-0.13	0.451	13.80	13.18	0.520	1.6
Edge 2 (Right)	DTS	11	2462	0.06	**0.496**	13.80	12.15	**0.725**	1.6
Module WCN6856-ANT1									
Body back	DTS	6	2437	-0.11	0.119	13.50	12.44	0.152	1.6
Body front	DTS	6	2437	0.08	0.122	13.50	12.44	0.156	1.6
Edge 1 (Top)	DTS	6	2437	0.13	0.126	13.50	12.44	0.161	1.6
Edge 4 (Left)	DTS	1	2412	-0.01	0.132	13.50	13.40	0.135	1.6
Edge 4 (Left)	DTS	6	2437	0.16	0.135	13.50	12.44	0.172	1.6
Edge 4 (Left)	DTS	11	2462	-0.11	**0.140**	13.50	12.49	**0.177**	1.6
Module WCN6856-ANT2									
Body back	DTS	6	2437	-0.03	0.203	13.80	12.83	0.254	1.6
Body front	DTS	6	2437	-0.31	0.305	13.80	12.83	0.381	1.6
Edge 4 (Left)	DTS	1	2412	0.13	0.354	13.80	13.76	0.357	1.6
Edge 4 (Left)	DTS	6	2437	-0.23	0.342	13.80	12.83	0.428	1.6
Edge 4 (Left)	DTS	11	2462	-0.09	**0.362**	13.80	13.04	**0.431**	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 is 5mm.
- Plots are only shown for the bold markered worst case SAR results.

SAR MEASUREMENT									
Depth of Liquid (cm):>15				Relative Humidity (%): 44.6					
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM									
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**
Test Mode: 2.4GHz 802.11n20									
Module AP6398P-ANT1									
Body back	DTS	6	2437	-0.22	0.202	13.90	13.80	0.207	1.6
Body front	DTS	6	2437	-0.23	0.113	13.90	13.80	0.116	1.6
Edge 1 (Top)	DTS	1	2412	0.32	0.724	13.90	13.69	0.760	1.6
Edge 1 (Top)	DTS	6	2437	-0.18	**0.783**	13.90	13.80	**0.801**	1.6
Edge 1 (Top)	DTS	11	2462	0.32	0.706	13.90	13.38	0.796	1.6
Edge 2 (Right)	DTS	6	2437	-0.07	0.043	13.90	13.80	0.044	1.6
Module AP6398P-ANT2									
Body back	DTS	6	2437	-0.21	0.181	13.80	13.02	0.217	1.6
Body front	DTS	6	2437	-0.10	0.278	13.80	13.02	0.333	1.6
Edge 2 (Right)	DTS	1	2412	0.29	0.412	13.80	13.71	0.421	1.6
Edge 2 (Right)	DTS	6	2437	-0.07	0.334	13.80	13.02	0.400	1.6
Edge 2 (Right)	DTS	11	2462	-0.31	**0.436**	13.80	12.10	**0.645**	1.6
Test Mode: 2.4GHz 802.11ax20									
Module WCN6856-ANT1									
Body back	DTS	6	2437	-0.13	0.095	12.20	11.56	0.110	1.6
Body front	DTS	6	2437	-0.11	0.040	12.20	11.56	0.046	1.6
Edge 1 (Top)	DTS	6	2437	-0.21	0.103	12.20	11.56	0.119	1.6
Edge 4 (Left)	DTS	1	2412	0.03	0.115	12.20	12.15	0.116	1.6
Edge 4 (Left)	DTS	6	2437	-0.01	0.118	12.20	11.56	0.137	1.6
Edge 4 (Left)	DTS	11	2462	0.13	**0.121**	12.20	11.49	**0.142**	1.6
Module WCN6856-ANT2									
Body back	DTS	6	2437	-0.19	0.173	12.80	11.77	0.219	1.6
Body front	DTS	6	2437	-0.30	0.270	12.80	11.77	0.342	1.6
Edge 4 (Left)	DTS	1	2412	-0.21	0.282	12.80	12.72	0.287	1.6
Edge 4 (Left)	DTS	6	2437	-0.22	0.287	12.80	11.77	0.364	1.6
Edge 4 (Left)	DTS	11	2462	0.21	**0.312**	12.80	12.01	**0.374**	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 is 5mm.
- Plots are only shown for the bold markered worst case SAR results.

SAR MEASUREMENT				
Depth of Liquid (cm):>15				
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM				
Position	**Scaled SAR (1g) (W/kg)-ANT1**	**Scaled SAR (1g) (W/kg)-ANT2**	**Scaled SAR (1g) (W/kg)-MIMO**	**Limit W/kg**
Test Mode:2.4GHz 802.11n20				
Module AP6398P-MIMO				
Body back	0.207	0.217	0.424	1.6
Body front	0.116	0.333	0.449	1.6
Edge 2 (Right)	0.801	0.645	**1.446**	1.6
Test Mode: 2.4GHz 802.11ax20				
Module WCN6856-MIMO				
Body back	0.110	0.219	0.329	1.6
Body front	0.046	0.342	0.388	1.6
Edge 2 (Right)	0.142	0.374	**0.516**	1.6

SAR MEASUREMENT								
Depth of Liquid (cm):>15			Relative Humidity (%): 56.4					
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT 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)**
Module AP6398P-ANT1								
Body back	36	5180	-0.10	0.660	13.60	13.55	0.668	1.6
Body back	40	5200	0.08	**0.771**	13.60	13.33	**0.820**	1.6
Body back	48	5240	-0.33	0.675	13.60	13.32	0.720	1.6
Body front	40	5200	-0.06	0.517	13.60	13.33	0.550	1.6
Edge 1 (Top)	40	5200	0.16	0.681	13.60	13.33	0.725	1.6
Edge 2 (Right)	40	5200	-0.20	0.215	13.60	13.33	0.229	1.6
Module AP6398P-ANT2								
Body back	40	5200	0.26	0.784	13.50	13.12	0.856	1.6
Body front	36	5180	-0.23	0.910	13.50	13.43	0.925	1.6
Body front	40	5200	0.25	0.914	13.50	13.12	0.998	1.6
Body front	48	5240	-0.28	**1.012**	13.50	12.89	**1.165**	1.6
Edge 2 (Right)	40	5200	-0.17	0.690	13.50	13.12	0.753	1.6
Module WCN6856-ANT1								
Body back	40	5200	-0.32	0.297	14.70	14.55	0.307	1.6
Body front	40	5200	0.04	0.562	14.70	14.55	0.582	1.6
Edge 1 (Top)	40	5200	-0.32	0.565	14.70	14.55	0.585	1.6
Edge 4 (Left)	36	5180	-0.22	0.557	14.70	14.49	0.585	1.6
Edge 4 (Left)	40	5200	-0.13	**0.570**	14.70	14.55	**0.590**	1.6
Edge 4 (Left)	48	5240	0.13	0.411	14.70	14.69	0.412	1.6
Module WCN6856-ANT2								
Body back	40	5200	-0.21	0.445	14.10	13.77	0.480	1.6
Body front	36	5180	0.24	**0.775**	14.10	13.85	**0.821**	1.6
Body front	40	5200	-0.26	0.706	14.10	13.77	0.762	1.6
Body front	48	5240	-0.24	0.707	14.10	14.06	0.714	1.6
Edge 4 (Left)	40	5200	0.17	0.640	14.10	13.77	0.691	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 is 5mm.
- Plots are only shown for the bold markered worst case SAR results

SAR MEASUREMENT								
Depth of Liquid (cm):>15			Relative Humidity (%): 56.4					
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM								
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)**
Test Mode: 5.2GHz 802.11n20								
Module AP6398P-ANT1								
Body back	36	5180	-0.09	0.524	12.60	12.53	0.533	1.6
Body back	40	5200	-0.10	**0.731**	12.60	12.35	**0.774**	1.6
Body back	48	5240	0.05	0.565	12.60	12.41	0.590	1.6
Body front	40	5200	-0.09	0.452	12.60	12.35	0.479	1.6
Edge 1 (Top)	40	5200	-0.33	0.632	12.60	12.35	0.669	1.6
Edge 2 (Right)	40	5200	0.13	0.150	12.60	12.35	0.159	1.6
Module AP6398P-ANT2								
Body back	40	5200	-0.18	0.671	12.20	11.94	0.712	1.6
Body front	36	5180	-0.16	0.761	12.20	12.17	0.766	1.6
Body front	40	5200	-0.28	0.755	12.20	11.94	0.802	1.6
Body front	48	5240	-0.10	**0.764**	12.20	11.71	**0.855**	1.6
Edge 2 (Right)	40	5200	0.08	0.642	12.20	11.94	0.682	1.6
Test Mode: 5.2GHz 802.11ax80								
Module WCN6856-ANT1								
Body back	42	5210	-0.09	0.271	13.70	13.68	0.272	1.6
Body front	42	5210	-0.32	0.518	13.70	13.68	0.520	1.6
Edge 1 (Top)	42	5210	0.12	0.451	13.70	13.68	0.453	1.6
Edge 4 (Left)	42	5210	-0.15	**0.520**	13.70	13.68	**0.522**	1.6
Module WCN6856-ANT2								
Body back	42	5210	-0.25	0.376	13.50	13.47	0.379	1.6
Body front	42	5210	-0.10	**0.724**	13.50	13.47	**0.729**	1.6
Edge 4 (Left)	42	5210	-0.29	0.602	13.50	13.47	0.606	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 is 5mm.
- Plots are only shown for the bold markered worst case SAR results

SAR MEASUREMENT				
Depth of Liquid (cm):>15				
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM				
Position	**Scaled SAR (1g) (W/kg)-ANT1**	**Scaled SAR (1g) (W/kg)-ANT2**	**Scaled SAR (1g) (W/kg)-MIMO**	**Limit W/kg**
Test Mode: 5.2 GHz-802.11n20				
Module AP6398P-MIMO				
Body back	0.774	0.712	**1.486**	1.6
Body front	0.479	0.855	1.334	1.6
Edge 2 (Right)	0.159	0.682	0.841	1.6
Test Mode: 5.2 GHz-802.11ax80				
Module WCN6856-MIMO				
Body back	0.272	0.379	0.651	1.6
Body front	0.522	0.729	**1.251**	1.6
Edge 4 (Left)	0.520	0.606	1.126	1.6

SAR MEASUREMENT								
Depth of Liquid (cm):>15			Relative Humidity (%): 58.7					
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT 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)**
Module AP6398P-ANT1								
Body back	5745	149	-0.33	1.065	13.70	13.42	1.136	1.6
Body back	5785	157	-0.19	0.978	13.70	13.62	0.996	1.6
Body back	5825	165	0.20	**1.122**	13.70	13.52	**1.169**	1.6
Body front	5785	157	-0.04	0.603	13.70	13.62	0.614	1.6
Edge 1 (Top)	5745	149	0.24	0.847	13.70	13.42	0.903	1.6
Edge 1 (Top)	5785	157	-0.14	0.904	13.70	13.62	0.921	1.6
Edge 1 (Top)	5825	165	-0.08	0.851	13.70	13.52	0.887	1.6
Edge 2 (Right)	5785	157	0.20	0.110	13.70	13.62	0.112	1.6
Module AP6398P-ANT2								
Body back	5785	157	-0.09	0.594	13.40	13.36	0.599	1.6
Body front	5745	149	-0.28	1.044	13.40	13.21	1.091	1.6
Body front	5785	157	0.32	1.048	13.40	13.36	1.058	1.6
Body front	5825	165	-0.08	**1.071**	13.40	13.17	**1.129**	1.6
Edge 2 (Right)	5785	157	-0.27	0.644	13.40	13.36	0.650	1.6
Module WCN6856-ANT1								
Body back	5785	157	-0.05	0.476	14.00	13.93	0.484	1.6
Body front	5745	149	0.26	0.551	14.00	13.96	0.556	1.6
Body front	5785	157	-0.24	**0.591**	14.00	13.93	**0.601**	1.6
Body front	5825	165	-0.10	0.570	14.00	13.92	0.581	1.6
Edge 1 (Top)	5785	157	0.06	0.521	14.00	13.93	0.529	1.6
Edge 4 (Left)	5785	157	-0.33	0.438	14.00	13.93	0.445	1.6
Module WCN6856-ANT2								
Body back	5785	157	-0.27	0.383	13.90	13.45	0.425	1.6
Body front	5745	149	0.07	0.565	13.90	13.37	0.638	1.6
Body front	5785	157	-0.21	**0.667**	13.90	13.45	**0.740**	1.6
Body front	5825	165	-0.29	0.590	13.90	13.81	0.602	1.6
Edge 4 (Left)	5785	157	0.18	0.597	13.90	13.45	0.662	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 is 5mm.
- Plots are only shown for the bold markered worst case SAR results

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 58.7				
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM								
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)**
Test Mode: 5.8GHz 802.11n40								
Module AP6398P-ANT1								
Body back	151	5755	-0.18	0.765	12.90	12.88	0.769	1.6
Body back	159	5795	0.22	**0.792**	12.90	12.39	**0.891**	1.6
Body front	151	5755	-0.11	0.572	12.90	12.88	0.575	1.6
Edge 1 (Top)	151	5755	0.16	0.858	12.90	12.88	0.862	1.6
Edge 2 (Right)	151	5755	-0.06	0.087	12.90	12.88	0.087	1.6
Module AP6398P-ANT2								
Body back	151	5755	-0.12	0.524	12.90	12.80	0.536	1.6
Body front	151	5755	0.18	0.742	12.90	12.80	0.759	1.6
Body front	159	5795	-0.01	**0.763**	12.90	12.64	**0.810**	1.6
Edge 2 (Right)	151	5755	0.20	0.502	12.90	12.80	0.514	1.6
Test Mode: 5.8GHz 802.11ax20								
Module WCN6856-ANT1								
Body back	5785	157	-0.24	0.335	12.90	12.75	0.347	1.6
Body front	5745	149	0.33	0.502	12.90	12.78	0.516	1.6
Body front	5785	157	-0.02	**0.571**	12.90	12.75	**0.591**	1.6
Body front	5825	165	-0.08	0.525	12.90	12.88	0.527	1.6
Edge 1 (Top)	5785	157	-0.21	0.501	12.90	12.75	0.519	1.6
Edge 4 (Left)	5785	157	0.05	0.334	12.90	12.75	0.346	1.6
Module WCN6856-ANT2								
Body back	5785	157	-0.18	0.322	12.90	12.33	0.367	1.6
Body front	5745	149	0.27	0.483	12.90	12.22	0.565	1.6
Body front	5785	157	-0.07	**0.530**	12.90	12.33	**0.604**	1.6
Body front	5825	165	-0.06	0.523	12.90	12.87	0.527	1.6
Edge 4 (Left)	5785	157	0.16	0.510	12.90	12.33	0.582	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 is 5mm.
- Plots are only shown for the bold markered worst case SAR results

SAR MEASUREMENT				
Depth of Liquid (cm):>15				
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM				
Position	**Scaled SAR (1g) (W/kg)-ANT1**	**Scaled SAR (1g) (W/kg)-ANT2**	**Scaled SAR (1g) (W/kg)-MIMO**	**Limit W/kg**
Test Mode: 5.8 GHz-802.11n40				
Module AP6398P-MIMO				
Body back	0.891	0.536	**1.427**	1.6
Body front	0.575	0.810	1.385	1.6
Edge 2 (Right)	0.087	0.514	0.601	1.6
Test Mode: 5.8 GHz-802.11ax20				
Module WCN6856-MIMO				
Body back	0.347	0.367	0.714	1.6
Body front	0.591	0.604	**1.195**	1.6
Edge 4 (Left)	0.346	0.582	0.928	1.6

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 58.7				
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM								
Test Mode: 5.9GHz 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)**
Module WCN6856-ANT1								
Body back	173	5865	-0.25	0.402	13.40	13.26	0.415	1.6
Body front	167	5845	-0.02	0.516	13.40	13.33	0.524	1.6
Body front	173	5865	0.31	**0.563**	13.40	13.26	**0.581**	1.6
Body front	177	5885	-0.05	0.538	13.40	13.32	0.548	1.6
Edge 1 (Top)	173	5865	0.31	0.502	13.40	13.26	0.518	1.6
Edge 4 (Left)	173	5865	0.30	0.411	13.40	13.26	0.424	1.6
Module WCN6856-ANT2								
Body back	173	5865	-0.06	0.352	13.50	13.08	0.388	1.6
Body front	167	5845	0.07	0.533	13.50	13.10	0.584	1.6
Body front	173	5865	-0.18	**0.642**	13.50	13.08	**0.707**	1.6
Body front	177	5885	-0.21	0.561	13.50	13.43	0.570	1.6
Edge 4 (Left)	173	5865	0.03	0.557	13.50	13.08	0.614	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 is 5mm.
- Plots are only shown for the bold markered worst case SAR results

SAR MEASUREMENT								
Depth of Liquid (cm):>15				Relative Humidity (%): 58.7				
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM								
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)**
Test Mode: 5.9GHz 802.11ax80								
Module WCN6856-ANT1								
Body back	171	5855	-0.03	0.322	12.60	12.50	0.330	1.6
Body front	171	5855	0.04	**0.483**	12.60	12.50	**0.494**	1.6
Edge 1 (Top)	171	5855	-0.10	0.462	12.60	12.50	0.473	1.6
Edge 4 (Left)	171	5855	0.23	0.302	12.60	12.50	0.309	1.6
Module WCN6856-ANT2								
Body back	171	5855	0.05	0.310	12.40	12.36	0.313	1.6
Body front	171	5855	-0.17	**0.502**	12.40	12.36	**0.507**	1.6
Edge 4 (Left)	171	5855	-0.09	0.493	12.40	12.36	0.498	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 is 5mm.
- Plots are only shown for the bold markered worst case SAR results

SAR MEASUREMENT				
Depth of Liquid (cm):>15				
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM				
Position	**Scaled SAR (1g) (W/kg)-ANT1**	**Scaled SAR (1g) (W/kg)-ANT2**	**Scaled SAR (1g) (W/kg)-MIMO**	**Limit W/kg**
Test Mode: 5.9 GHz-802.11ax80				
Module WCN6856-MIMO				
Body back	0.330	0.313	0.643	1.6
Body front	0.494	0.507	**1.001**	1.6
Edge 4 (Left)	0.309	0.498	0.807	1.6

Repeated SAR									
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM									
Position	**Ch.**	**Fr. (MHz)**	**Power Drift (<±5%)**	**Once SAR (1g) (W/kg)**	**Power Drift (<±5%)**	**Twice SAR (1g) (W/kg)**	**Power Drift (<±5%)**	**Third SAR (1g) (W/kg)**	**Limit W/kg**
Test Mode: **Module AP6398P-ANT1-**2.4GHz 802.11b &5.8GHz 802.11a									
Edge 1 (Top)	11	2462	-0.09	1.075	--	--	--	--	1.6
Body back	5825	165	0.10	1.126	--	--	--	--	1.6
Test Mode: **Module AP6398P-ANT2-**5.2GHz 802.11a&5.8GHz 802.11a									
Body front	48	5240	0.03	1.014	--	--	--	--	1.6
Body front	5825	165	-0.12	1.000	--	--	--	--	1.6

The second repeated SAR judge reference							
Product: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM							
Band	**Position**	**Ch.**	**Fr. (MHz)**	**Orignal SAR (1g) (W/kg)**	**First SAR (1g) (W/kg)**	**Ratio**	**Limit**
Test Mode: **Module AP6398P-ANT1-**2.4GHz 802.11b &5.8GHz 802.11a							
2.4GHz 802.11b	Edge 1 (Top)	11	2462	1.078	1.075	1.003	＜1.2
5.8GHz 802.11a	Body back	5825	165	1.122	1.126	1.004	＜1.2
Test Mode: **Module AP6398P-ANT2-**5.2GHz 802.11a&5.8GHz 802.11a							
5.2GHz 802.11a	Body front	48	5240	1.012	1.014	1.002	＜1.2
5.8GHz 802.11a	Body front	5825	165	1.071	1.000	1.071	＜1.2

APPENDIX A. SAR SYSTEM CHECK DATA

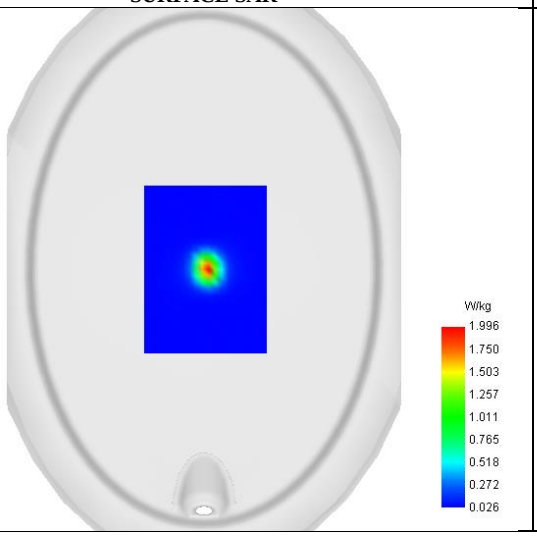
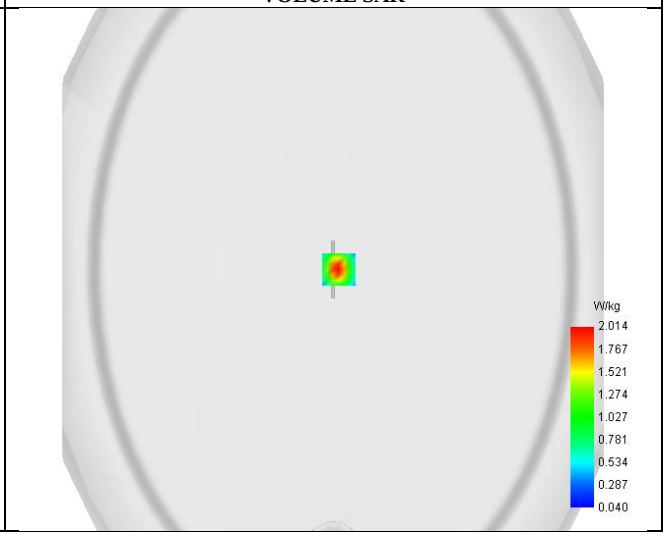
Test Laboratory: AGC Lab **Date: Dec. 05, 2024**
System Check Head 2450 MHz
DUT: Dipole 2450 MHz Type: SID 2450
Communication System: CW; Communication System Band: D2450 (2450.0 MHz); Duty Cycle: 1:1; Conv.F=2.16
Frequency: 2450 MHz; Medium parameters used: f = 2450 MHz; σ =1.78 mho/m; εr =38.74; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=15dBm

Ambient temperature (℃): 19.2, Liquid temperature (℃): 19.1

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 V5.3.15.8

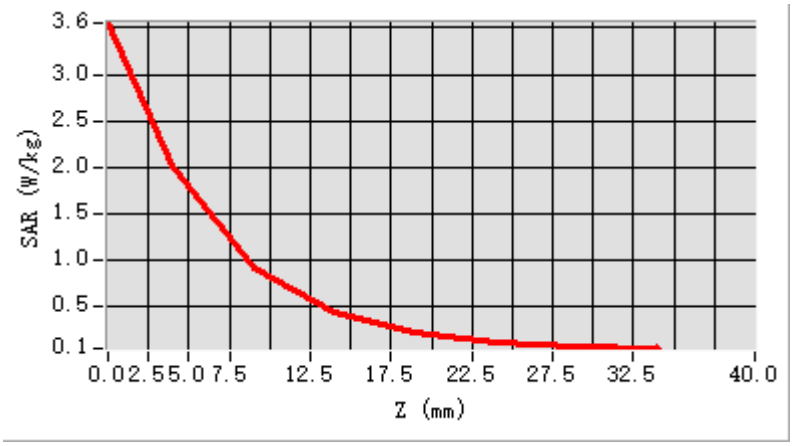
Configuration/System Check 2450 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 2450 MHz Head/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm

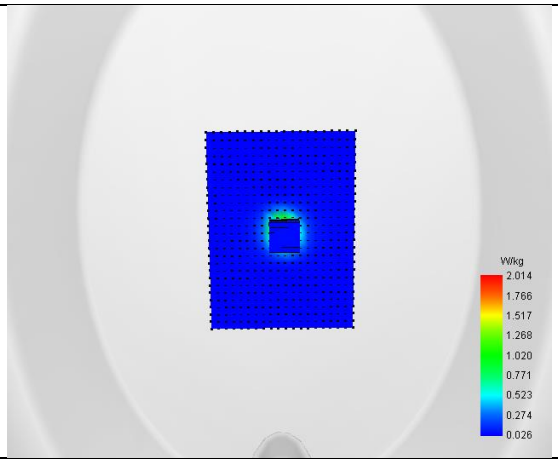
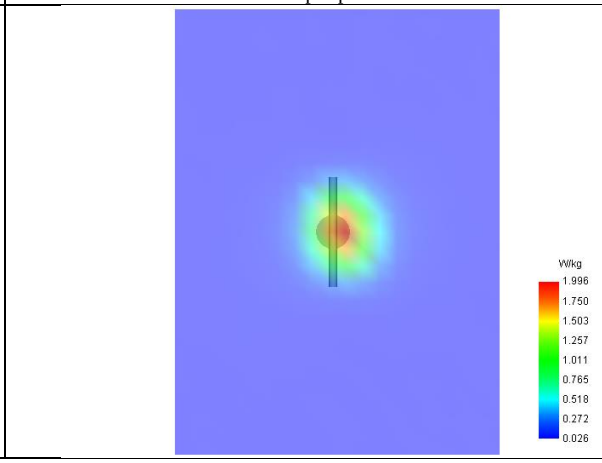
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=0.00 ; SAR Peak: 3.52 W/kg

SAR 10g (W/Kg)	0.834
SAR 1g (W/Kg)	1.867
Variation (%)	-4.750
Horizontal validation criteria: minimum distance (mm)	14.142136
Vertical validation criteria: SAR ratio M2/M1 (%)	45.637160

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	3.554	2.014	0.919	0.436	0.218	0.122	0.076



3D screen shot	Hot spot position
	

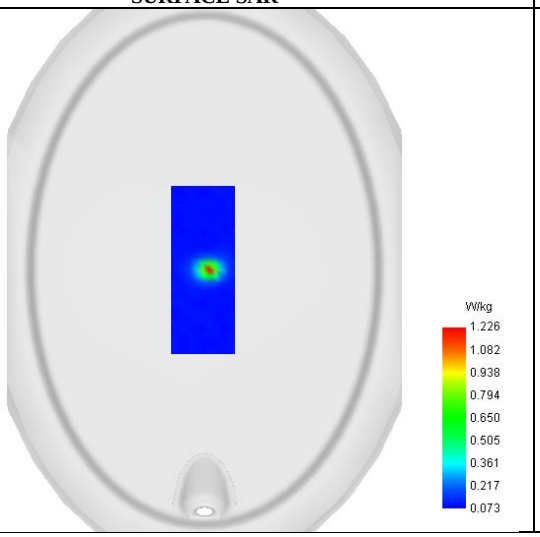
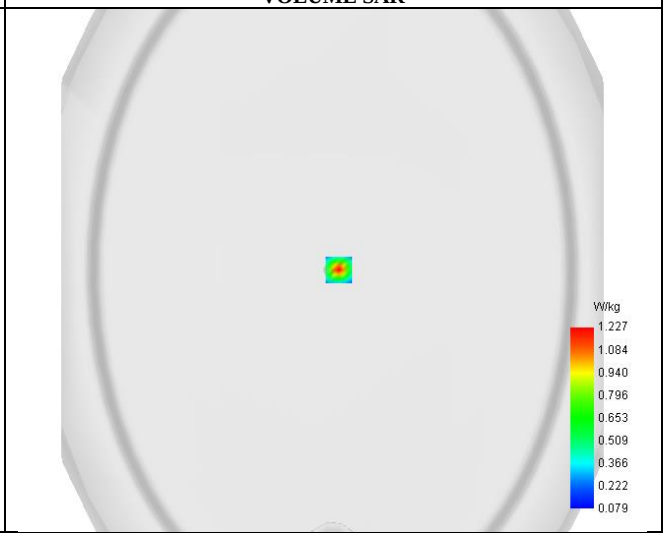
Test Laboratory: AGC Lab **Date: Dec. 06, 2024**
System Check Head 5200 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.53
Frequency: 5200 MHz; Medium parameters used: f = 5250 MHz; σ =4.61 mho/m; εr =35.68; ρ= 1000 kg/m^3 ;
Phantom section: Flat Section; Input Power=10dBm

Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.8

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 V5.3.15.8

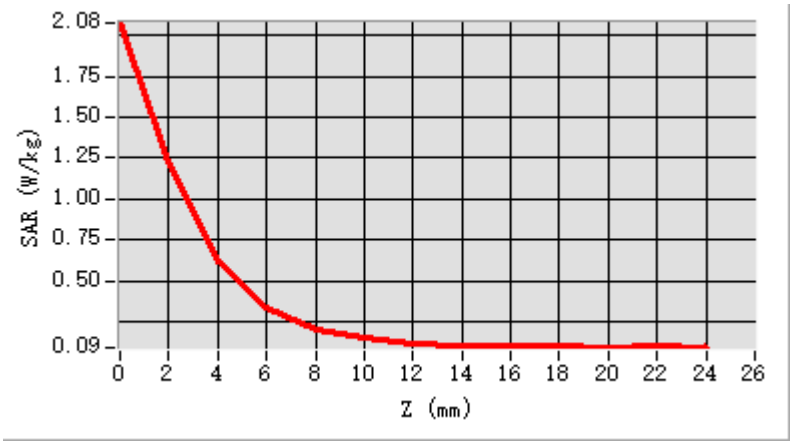
Configuration/System Check 5200 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5200 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

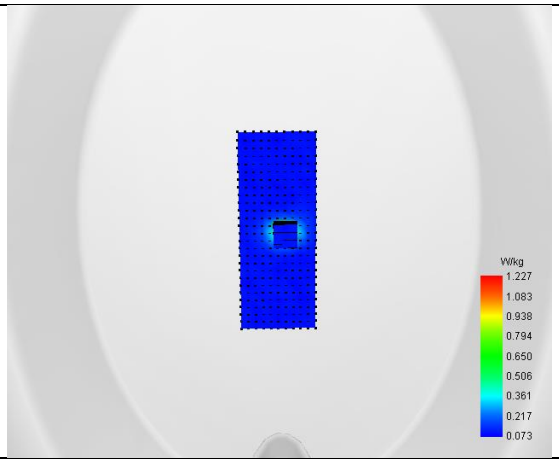
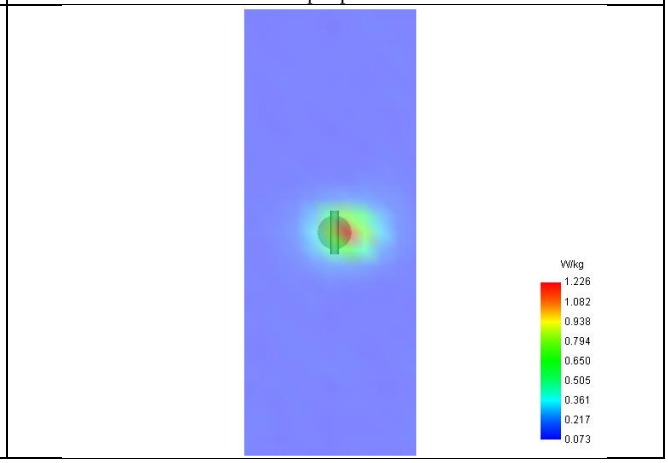
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=0.00 ; SAR Peak: 2.24 W/kg

SAR 10g (W/Kg)	0.236
SAR 1g (W/Kg)	0.702
Variation (%)	-3.690
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	49.868847

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)	2.079	1.227	0.612	0.335	0.196	0.150	0.114	0.101	0.105	0.100	0.094	0.105



3D screen shot	Hot spot position
	

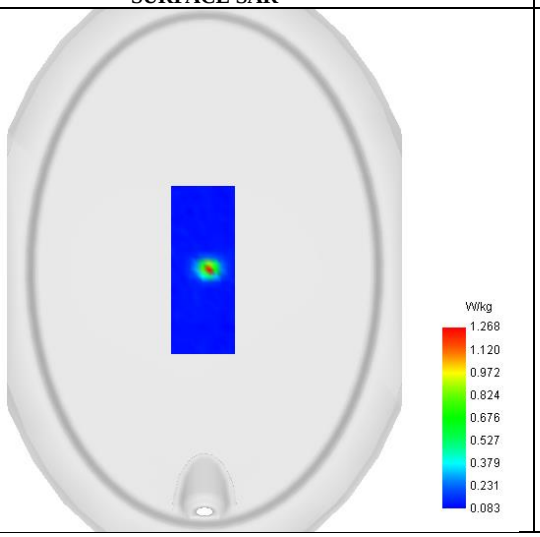
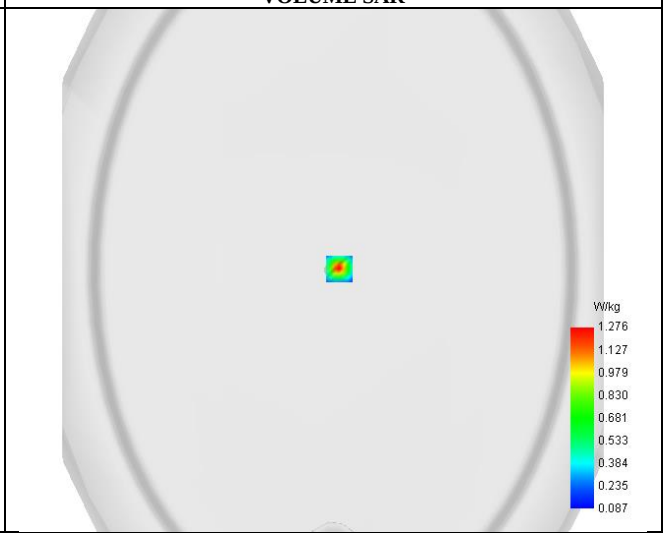
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
System Check Head 5800 MHz
DUT: Dipole 5000MHz Type: SID5000
Communication System: CW; Communication System Band: D5000 (5000.0 MHz); Duty Cycle: 1:1; Conv.F=1.37
Frequency: 5800 MHz; Medium parameters used: f = 5750 MHz; σ =5.31 mho/m; εr =34.96; ρ= 1000 kg/m³ ;
Phantom section: Flat Section; Input Power=10dBm

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

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

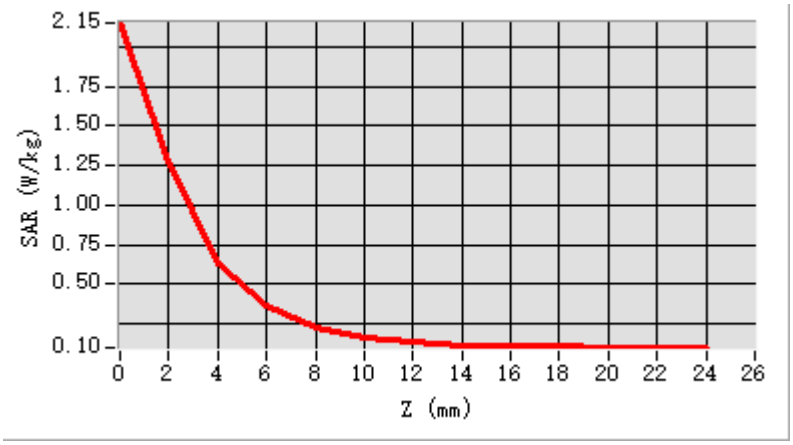
Configuration/System Check 5800 MHz Head/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/System Check 5800 MHz Head/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

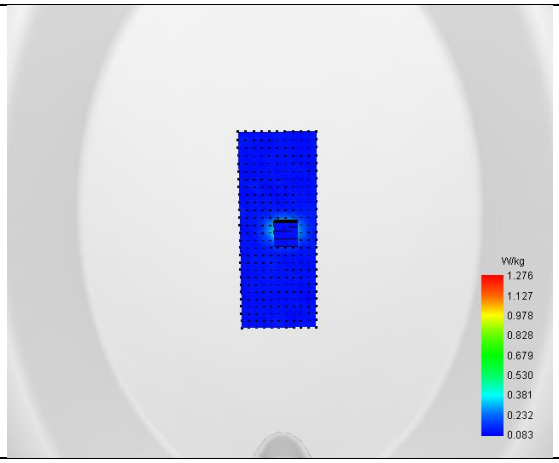
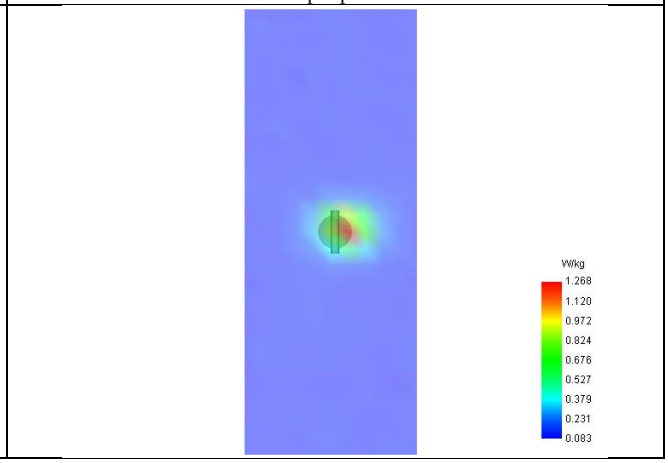
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=1.00 ; SAR Peak: 2.39 W/kg

SAR 10g (W/Kg)	0.228
SAR 1g (W/Kg)	0.746
Variation (%)	-10.220
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.980031

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)	2.150	1.276	0.638	0.364	0.228	0.164	0.135	0.114	0.115	0.118	0.101	0.102



3D screen shot	Hot spot position
	

APPENDIX B. SAR MEASUREMENT DATA

2.4GHz WIFI- Module AP6398P-ANT1-802.11b
Test Laboratory: AGC Lab **Date: Dec. 05, 2024**
802.11b High- Edge 1 (Top)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

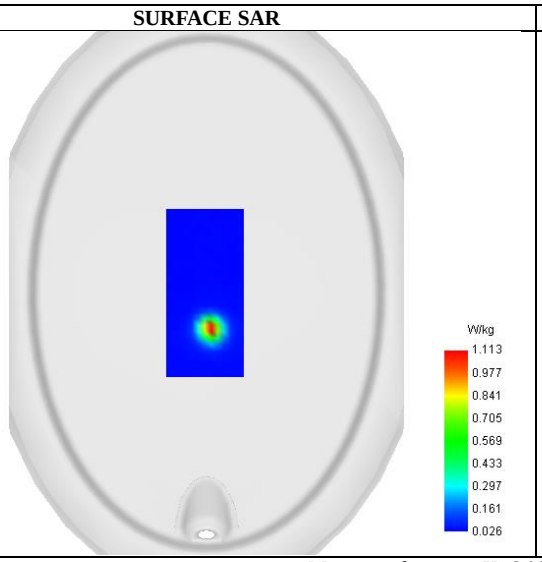
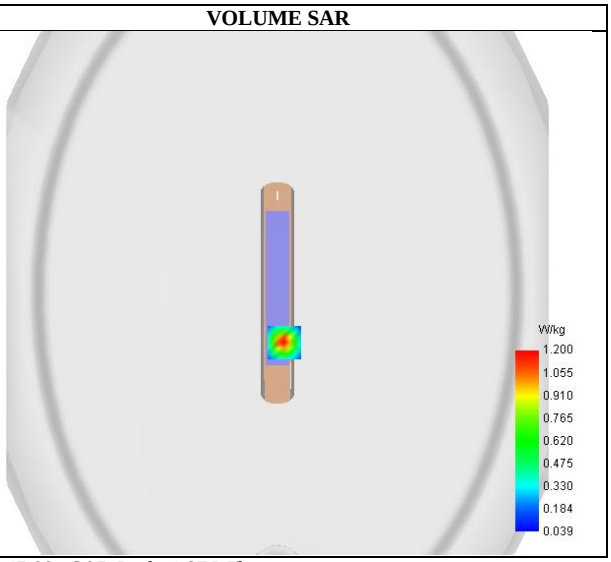
Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 99%; Conv.F=2.16; Frequency: 2462 MHz; Medium parameters used: f = 2450 MHz; σ= 1.80mho/m; εr =37.62; ρ= 1000 kg/m^3 ; Phantom section: Flat Section
Ambient temperature (℃):19.2, Liquid temperature (℃): 19.1

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 V5.3.15.8

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;

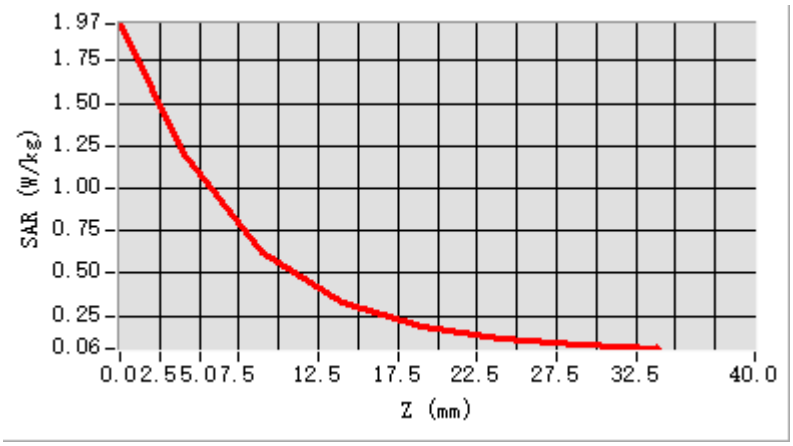
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Edge 1 (Top)
Band	2450MHz
Channels	High
Signal	Crest factor: 1.0

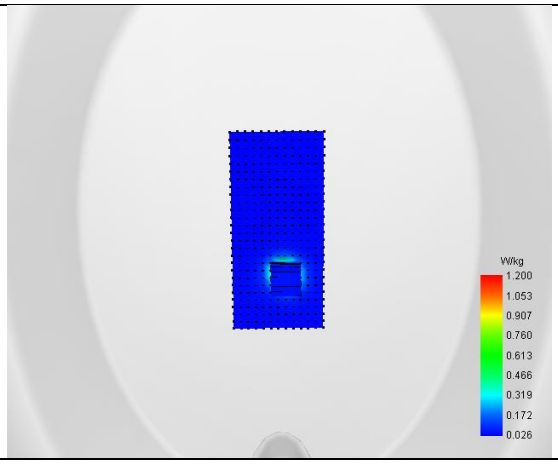
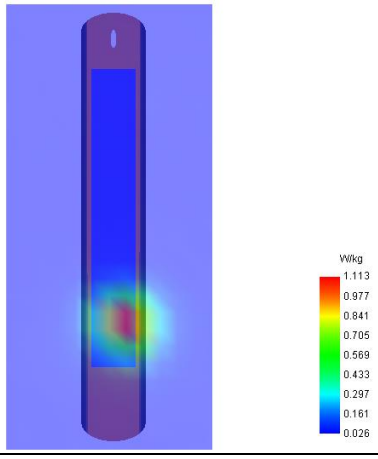
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=-45.00 ; SAR Peak: 1.97 W/kg

SAR 10g (W/Kg)	0.487
SAR 1g (W/Kg)	1.078
Variation (%)	3.110
Horizontal validation criteria: minimum distance (mm)	11.180340
Vertical validation criteria: SAR ratio M2/M1 (%)	51.740583

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.966	1.200	0.621	0.330	0.182	0.112	0.076



3D screen shot	Hot spot position
	

2.4GHz WIFI- Module AP6398P-ANT2-802.11b
Test Laboratory: AGC Lab **Date: Dec. 05, 2024**
802.11b High- Edge 2 (Right)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

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= 1.80mho/m; εr =37.62; ρ= 1000 kg/m³ ; Phantom section: Flat Section

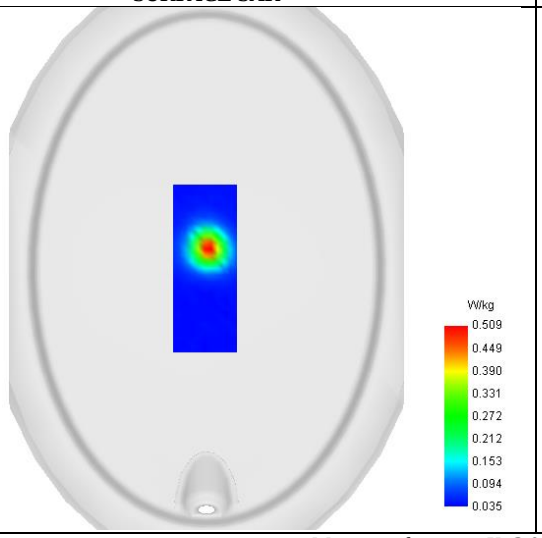
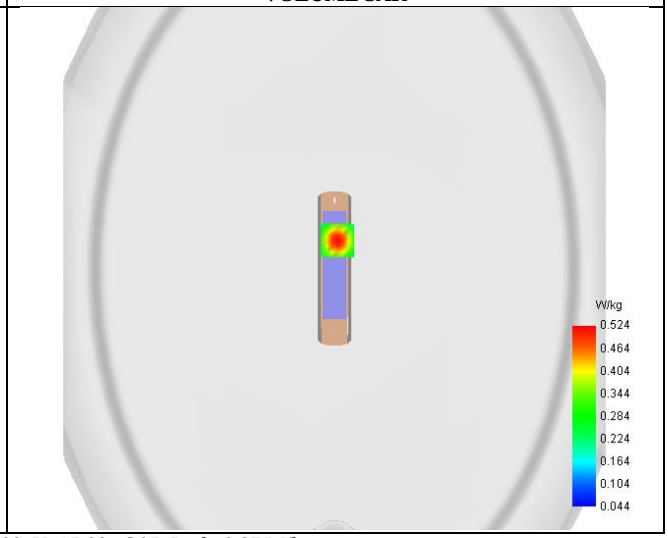
Ambient temperature (℃):19.2, Liquid temperature (℃): 19.1

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 V5.3.15.8

Configuration/802.11b High- Edge 2 (Right)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11b High- Edge 2 (Right)/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

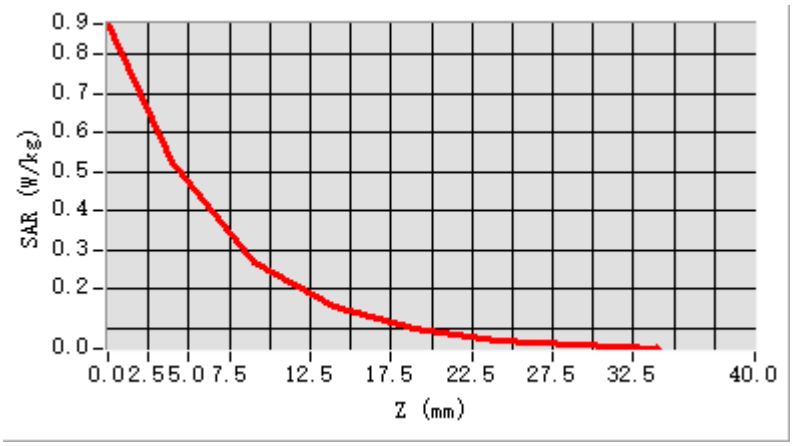
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Edge 2 (Right)
Band	2450MHz
Channels	High
Signal	Crest factor: 1.0

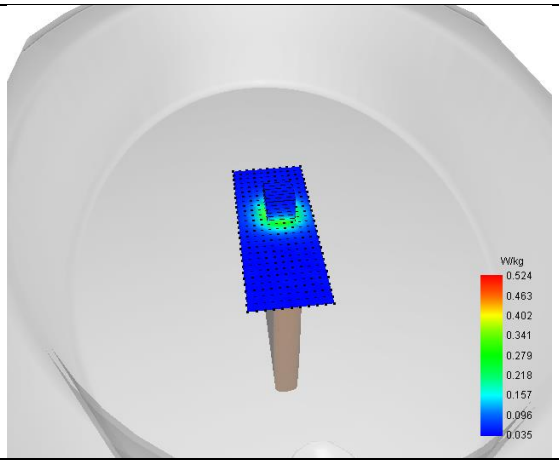
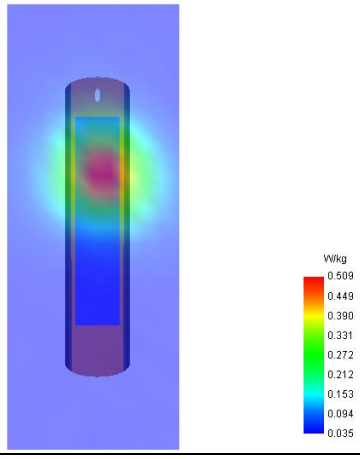
SURFACE SAR	VOLUME SAR
	

Maximum location: X=3.00, Y=25.00 ; SAR Peak: 0.87 W/kg

SAR 10g (W/Kg)	0.264
SAR 1g (W/Kg)	0.496
Variation (%)	-3.110
Horizontal validation criteria: minimum distance (mm)	18.027756
Vertical validation criteria: SAR ratio M2/M1 (%)	51.051572

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.878	0.524	0.268	0.154	0.096	0.068	0.056



3D screen shot	Hot spot position
	

2.4GHz WIFI- Module WCN6856-ANT1-802.11b
Test Laboratory: AGC Lab **Date: Dec. 05, 2024**
802.11b High- Edge 4 (Left)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=2.16; Frequency: 2462 MHz; Medium parameters used: f = 2450 MHz; σ= 1.80mho/m; εr =37.62; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

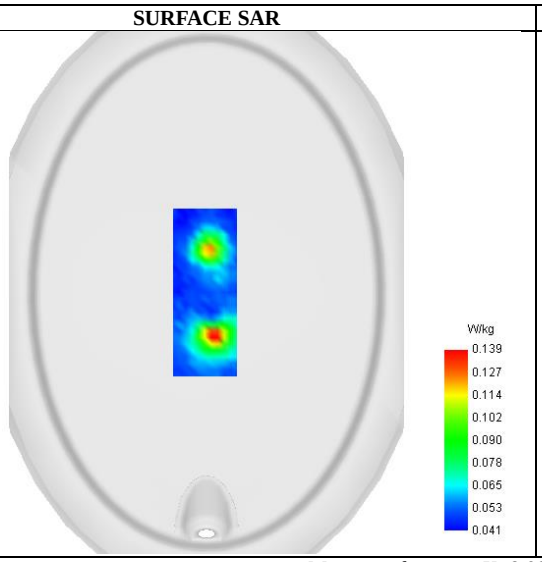
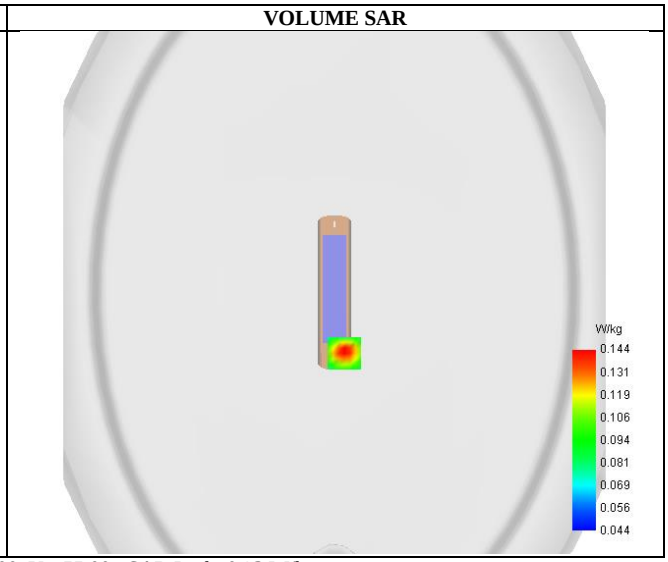
Ambient temperature (℃):19.2, Liquid temperature (℃): 19.1

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 V5.3.15.8

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

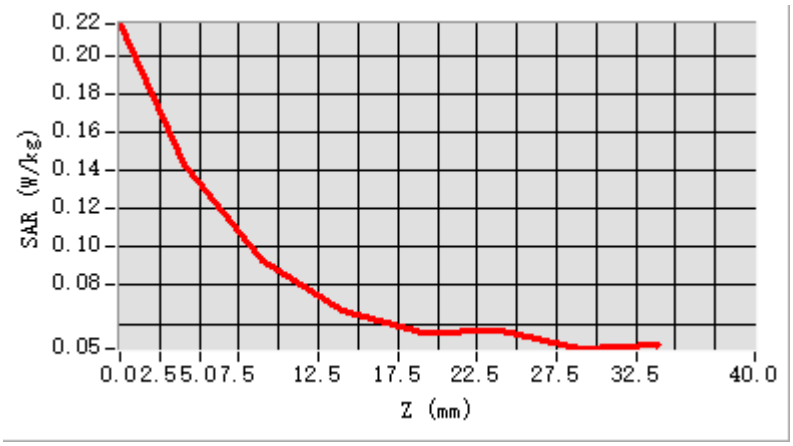
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Edge 4 (Left)
Band	2450MHz
Channels	High
Signal	Crest factor: 1.0

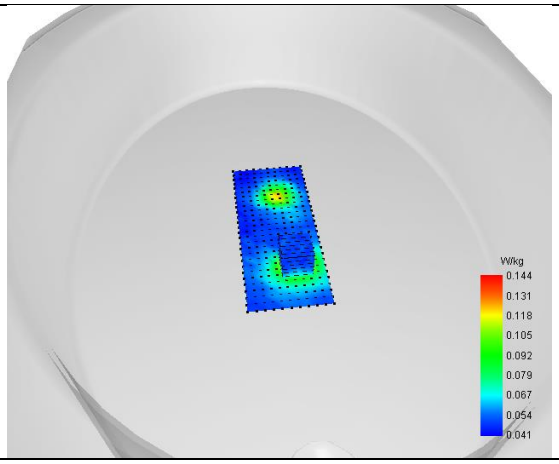
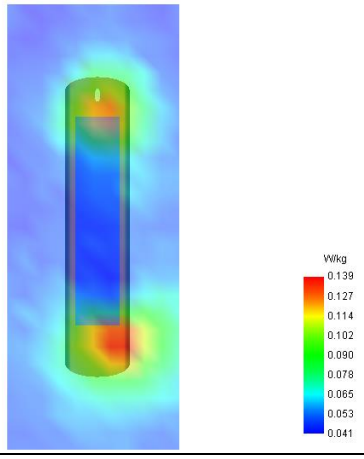
SURFACE SAR	VOLUME SAR
	

Maximum location: X=9.00, Y=-55.00 ; SAR Peak: 0.23 W/kg

SAR 10g (W/Kg)	0.088
SAR 1g (W/Kg)	0.140
Variation (%)	-7.250
Horizontal validation criteria: minimum distance (mm)	21.213203
Vertical validation criteria: SAR ratio M2/M1 (%)	64.907345

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.217	0.144	0.093	0.067	0.055	0.056	0.047



3D screen shot	Hot spot position
	

2.4GHz WIFI- Module WCN6856-ANT2-802.11b
Test Laboratory: AGC Lab **Date: Dec. 05, 2024**
802.11b High- Edge 4 (Left)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=2.16; Frequency: 2462 MHz; Medium parameters used: f = 2450 MHz; σ= 1.80mho/m; εr =37.62; ρ= 1000 kg/m³ ; Phantom section: Flat Section

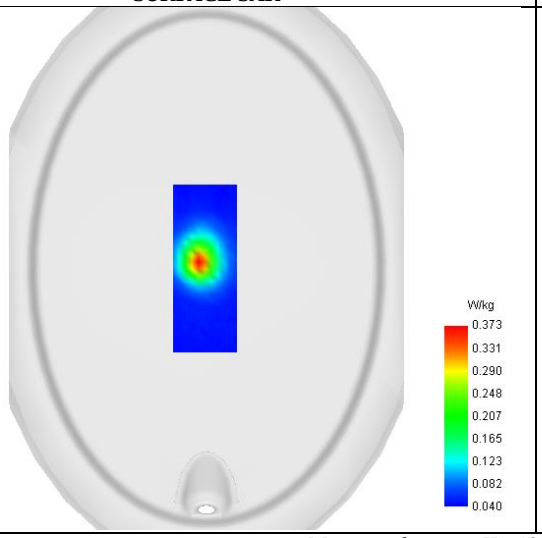
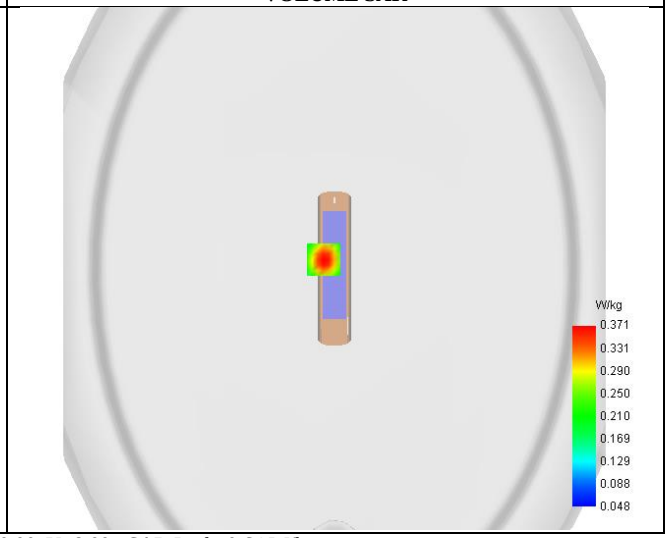
Ambient temperature (℃):19.2, Liquid temperature (℃): 19.1

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 V5.3.15.8

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

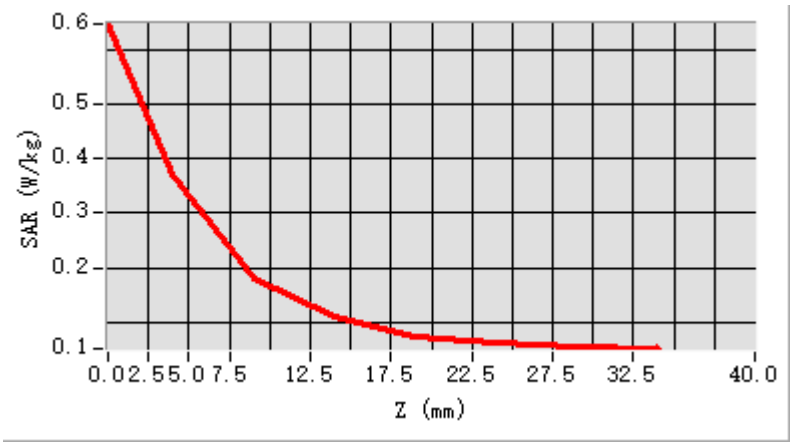
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Edge 4 (Left)
Band	2450MHz
Channels	High
Signal	Crest factor: 1.0

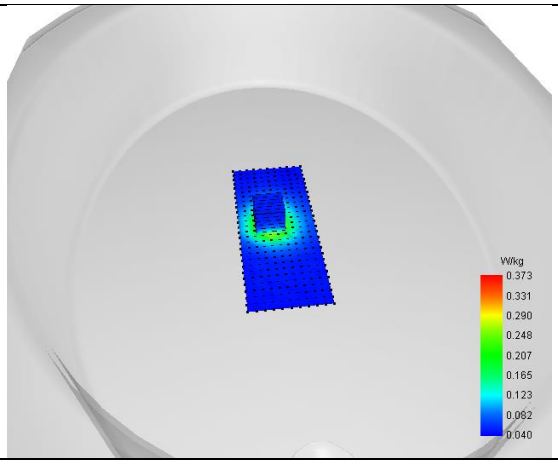
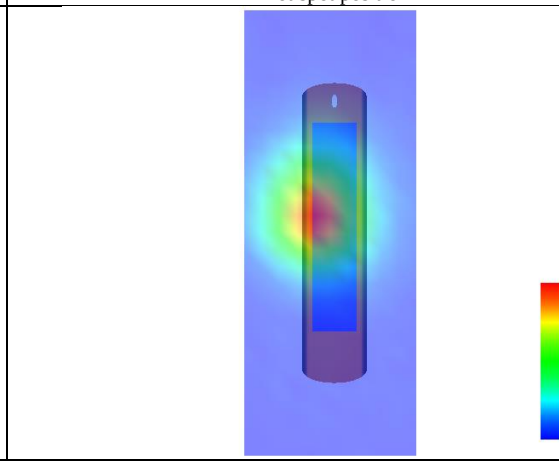
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-10.00, Y=8.00 ; SAR Peak: 0.64 W/kg

SAR 10g (W/Kg)	0.195
SAR 1g (W/Kg)	0.362
Variation (%)	-3.160
Horizontal validation criteria: minimum distance (mm)	21.213203
Vertical validation criteria: SAR ratio M2/M1 (%)	48.751457

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.647	0.371	0.181	0.110	0.073	0.064	0.054



3D screen shot	Hot spot position
	

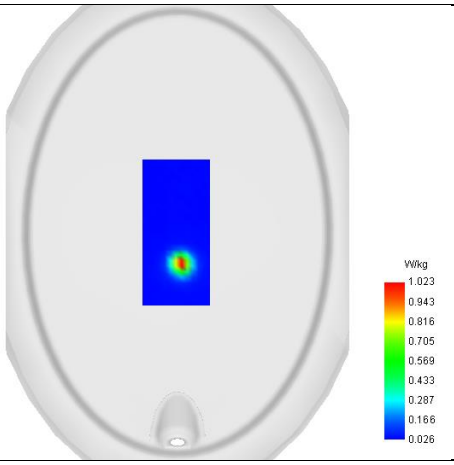
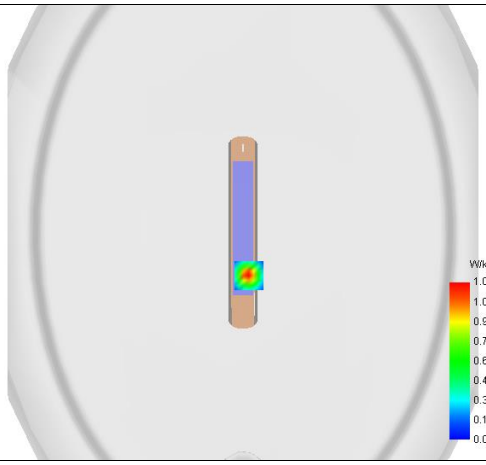
2.4GHz WIFI- Module AP6398P-ANT1-802.11n20
Test Laboratory: AGC Lab **Date: Dec. 05, 2024**
802.11n20 Mid- Edge 1 (Top)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11n20; Duty Cycle: 99%; Conv.F=2.16; Frequency: 2437 MHz; Medium parameters used: f = 2450 MHz; σ= 1.76mho/m; εr =39.26; ρ= 1000 kg/m^3 ; Phantom section: Flat Section
Ambient temperature (℃):19.2, Liquid temperature (℃): 19.1

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 V5.3.15.8

Configuration/802.11n20 Mid - Edge 1 (Top)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n20 Mid - Edge 1 (Top)/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

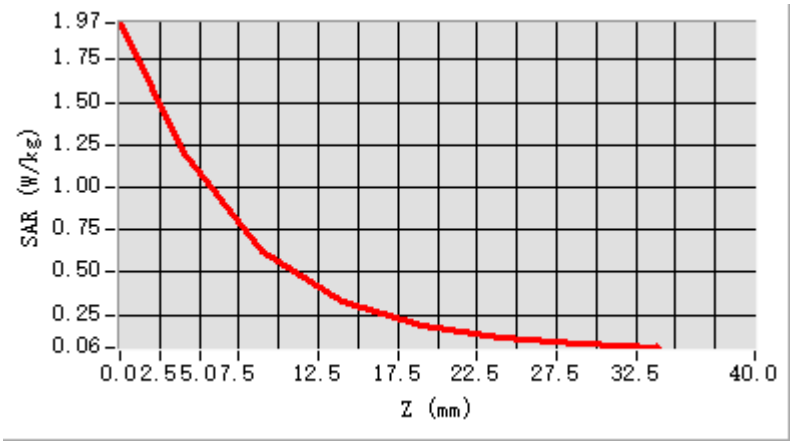
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Edge 1 (Top)
Band	2450MHz
Channels	Middle
Signal	Crest factor: 1.0

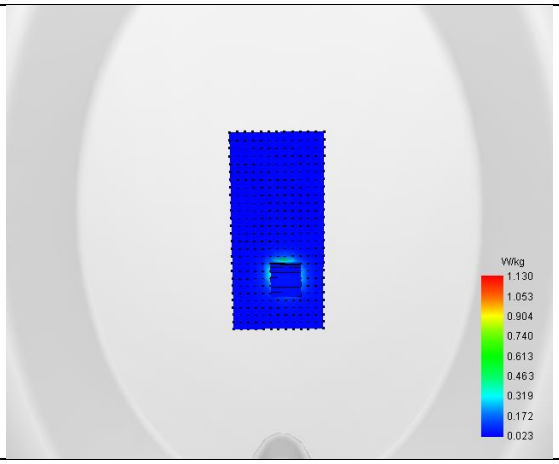
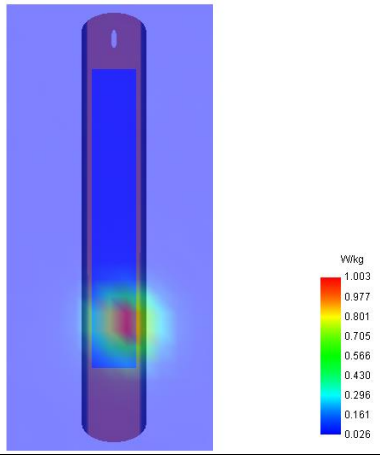
SURFACE SAR	VOLUME SAR
	

Maximum location: X=6.00, Y=-45.00 ; SAR Peak: 1.97 W/kg

SAR 10g (W/Kg)	0.381
SAR 1g (W/Kg)	0.783
Variation (%)	3.110
Horizontal validation criteria: minimum distance (mm)	11.181251
Vertical validation criteria: SAR ratio M2/M1 (%)	51.740024

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.942	1.200	0.6114	0.330	0.181	0.112	0.072



3D screen shot	Hot spot position
	

2.4GHz WIFI- Module AP6398P-ANT2-802.11n20
Test Laboratory: AGC Lab **Date: Dec. 05, 2024**
802.11n20 High- Edge 2 (Right)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11n20; Duty Cycle: 99%; Conv.F=2.16; Frequency: 2462 MHz; Medium parameters used: f = 2450 MHz; σ= 1.80mho/m; εr =37.62; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

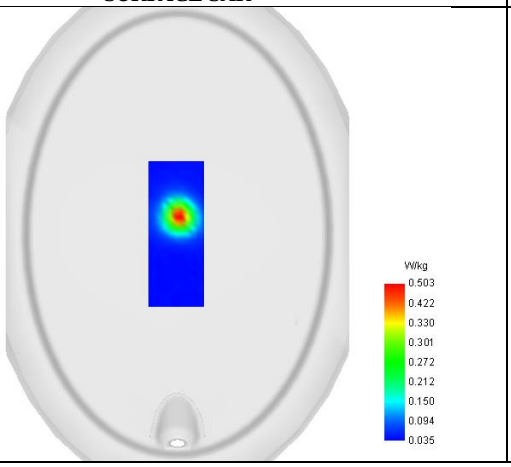
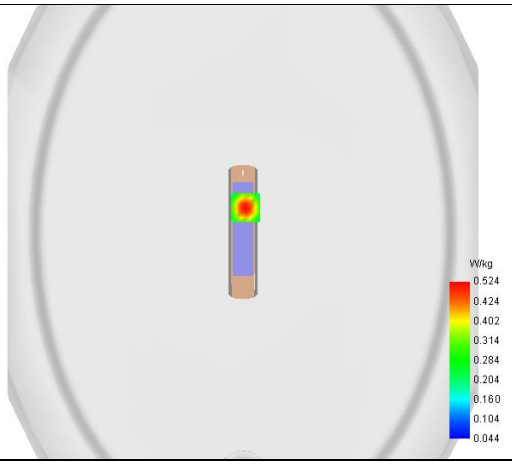
Ambient temperature (℃):19.2, Liquid temperature (℃): 19.1

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 V5.3.15.8

Configuration/802.11n20 High- Edge 2 (Right)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n20 High- Edge 2 (Right)/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

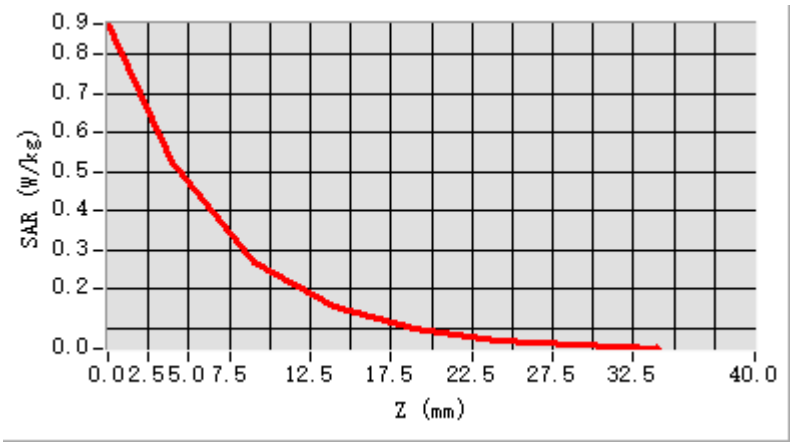
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Edge 2 (Right)
Band	2450MHz
Channels	High
Signal	Crest factor: 1.0

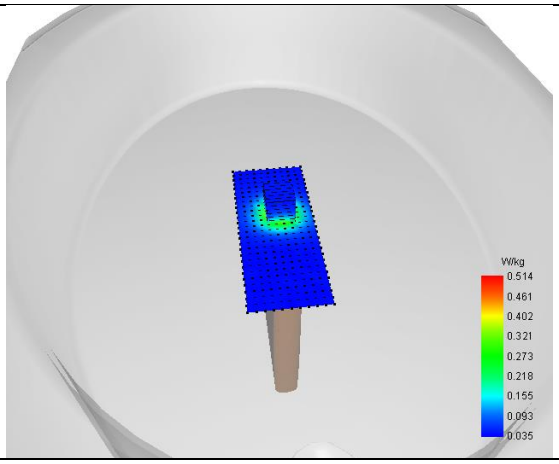
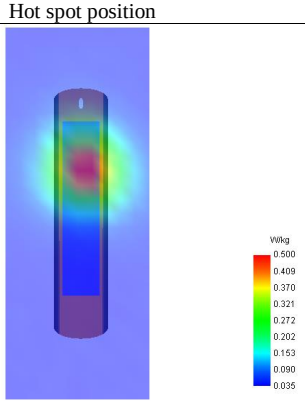
SURFACE SAR	VOLUME SAR
	

Maximum location: X=3.00, Y=25.00 ; SAR Peak: 0.87 W/kg

SAR 10g (W/Kg)	0.251
SAR 1g (W/Kg)	0.436
Variation (%)	-3.110
Horizontal validation criteria: minimum distance (mm)	18.02601
Vertical validation criteria: SAR ratio M2/M1 (%)	51.050162

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.862	0.514	0.235	0.142	0.082	0.064	0.052



3D screen shot	Hot spot position
	

2.4GHz WIFI- Module WCN6856-ANT1-802.11ax20
Test Laboratory: AGC Lab **Date: Dec. 05, 2024**
802.11ax20 High- Edge 4 (Left)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11ax20; Duty Cycle: 1:1; Conv.F=2.16; Frequency: 2462 MHz; Medium parameters used: f = 2450 MHz; σ= 1.80mho/m; εr =37.62; ρ= 1000 kg/m³ ; Phantom section: Flat Section

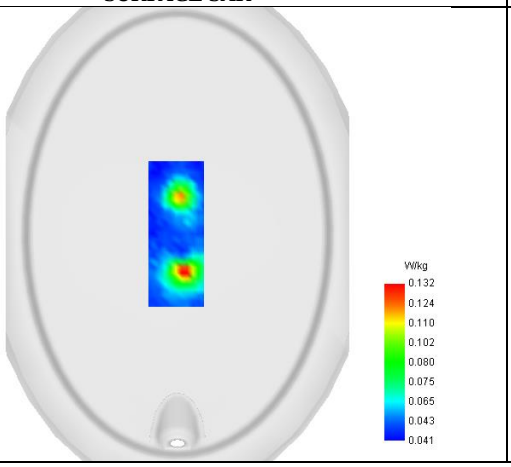
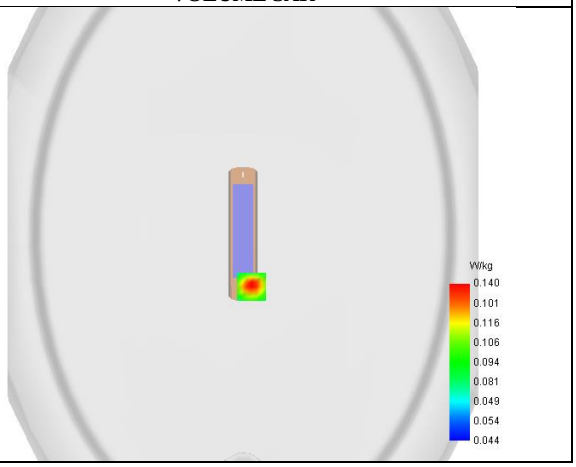
Ambient temperature (℃):19.2, Liquid temperature (℃): 19.1

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 V5.3.15.8

Configuration/802.11ax20 High- Edge 4 (Left)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11ax20 High- Edge 4 (Left)/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 4 (Left)
Band	2450MHz
Channels	High
Signal	Crest factor: 1.0

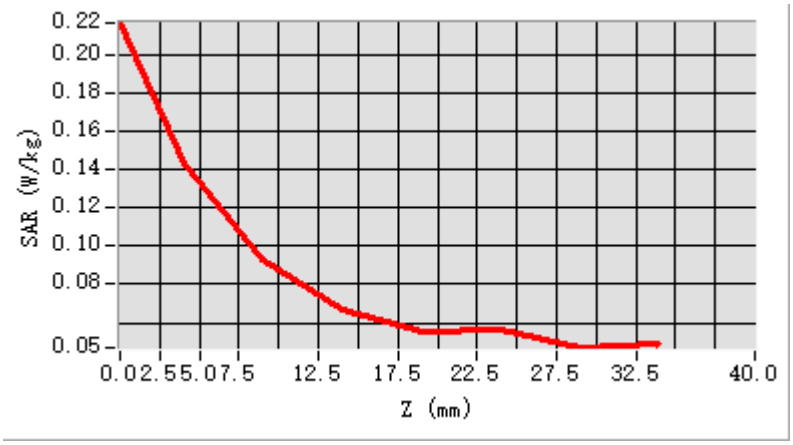
SURFACE SAR	VOLUME SAR
	

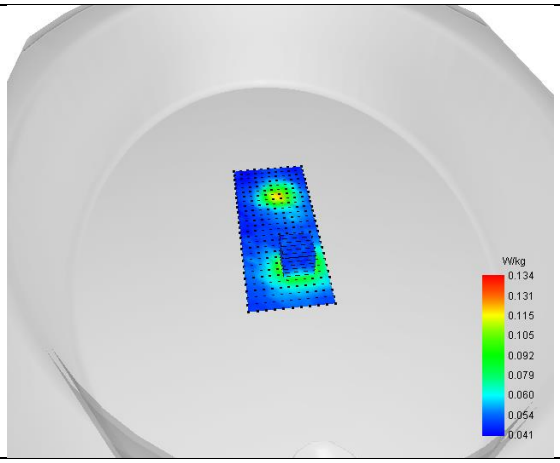
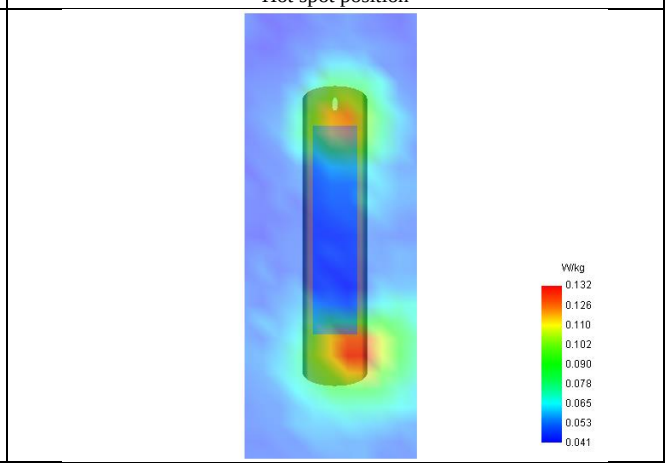
Maximum location: X=9.00, Y=-55.00 ; SAR Peak: 0.23 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.076
SAR 1g (W/Kg)	0.121
Variation (%)	-7.250
Horizontal validation criteria: minimum distance (mm)	21.2110152
Vertical validation criteria: SAR ratio M2/M1 (%)	64.905183

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.214	0.142	0.092	0.064	0.051	0.055	0.042



3D screen shot	Hot spot position
	

2.4GHz WIFI- Module WCN6856-ANT2-802.11ax20
Test Laboratory: AGC Lab **Date: Dec. 05, 2024**
802.11ax20 High- Edge 4 (Left)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11ax20; Duty Cycle: 1:1; Conv.F=2.16; Frequency: 2462 MHz; Medium parameters used: f = 2450 MHz; σ= 1.80mho/m; εr =37.62; ρ= 1000 kg/m³ ; Phantom section: Flat Section

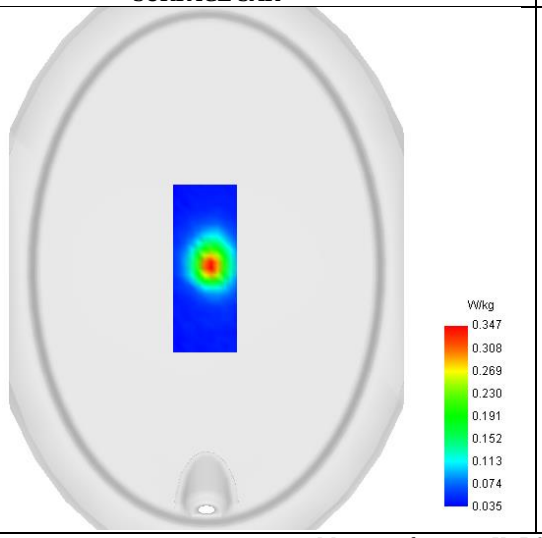
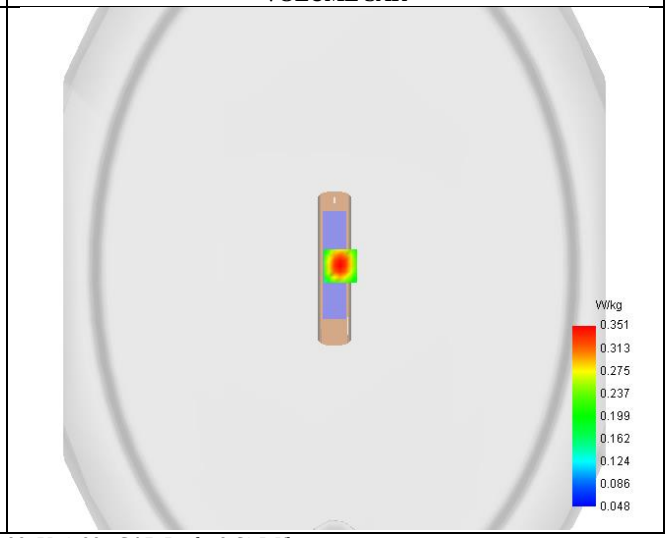
Ambient temperature (℃):19.2, Liquid temperature (℃): 19.1

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 V5.3.15.8

Configuration/802.11ax20 High- Edge 4 (Left)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11ax20 High- Edge 4 (Left)/Zoom Scan: Measurement grid: dx=5mm,dy=5mm, dz=5mm;

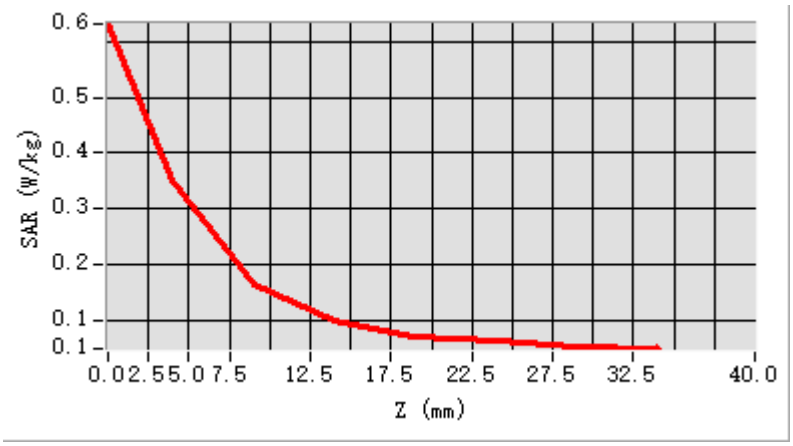
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	ELLI
Device Position	Edge 4 (Left)
Band	2450MHz
Channels	High
Signal	Crest factor: 1.0

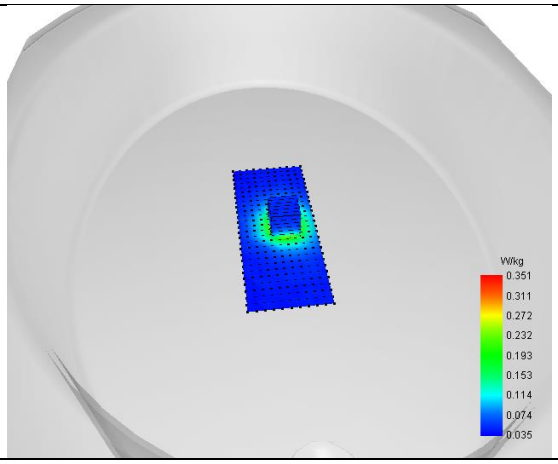
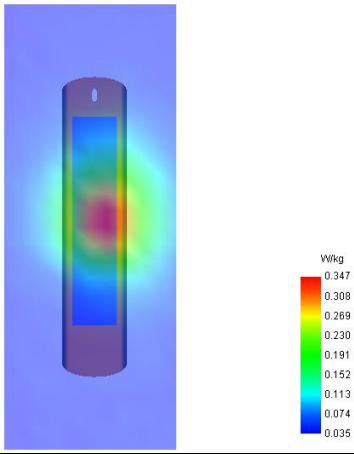
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=2.00 ; SAR Peak: 0.62 W/kg

SAR 10g (W/Kg)	0.135
SAR 1g (W/Kg)	0.312
Variation (%)	5.410
Horizontal validation criteria: minimum distance (mm)	21.211624
Vertical validation criteria: SAR ratio M2/M1 (%)	47.413015

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.624	0.342	0.161	0.102	0.051	0.054	0.047



3D screen shot	Hot spot position
	

5.2GHz WIFI- Module AP6398P-ANT1-802.11a
Test Laboratory: AGC Lab **Date: Dec. 06, 2024**
802.11a CH40-Back
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 93%; Conv.F=1.53; Frequency: 5200MHz; Medium parameters used: f = 5250 MHz; σ= 4.61mho/m; εr =35.68; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

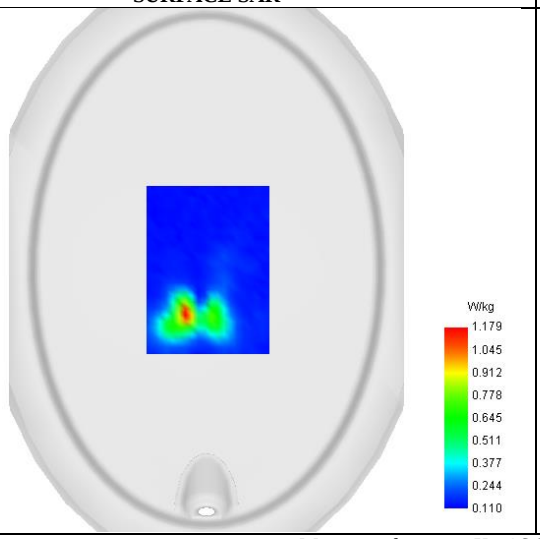
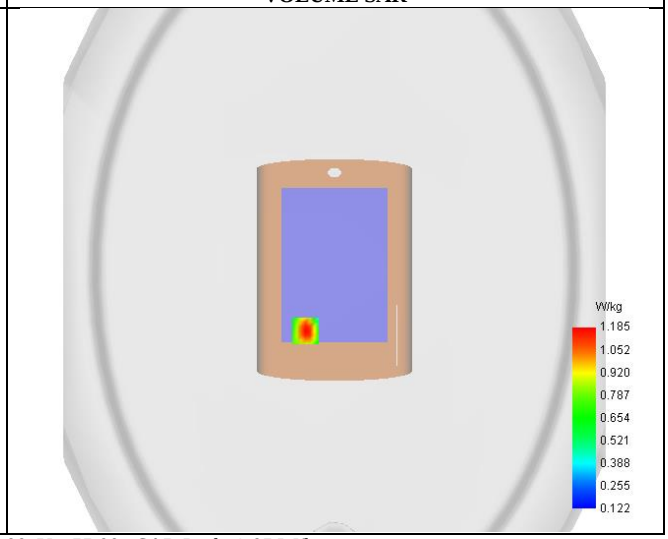
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.8

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 V5.3.15.8

Configuration/802.11a CH40- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH40- 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	CH40
Signal	Crest factor: 1.0

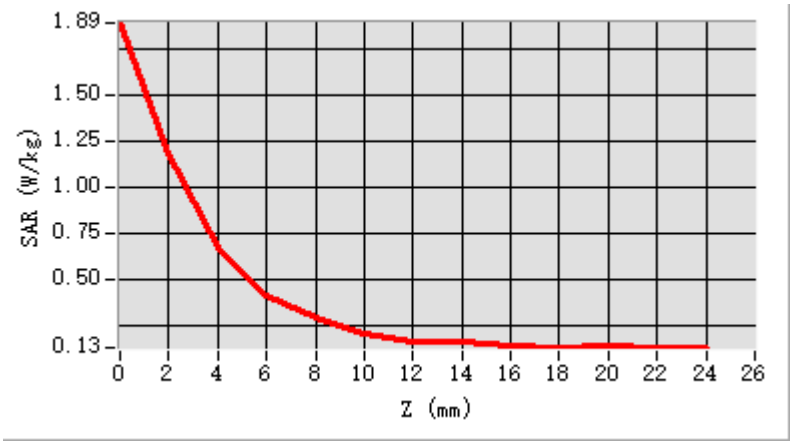
SURFACE SAR	VOLUME SAR
	

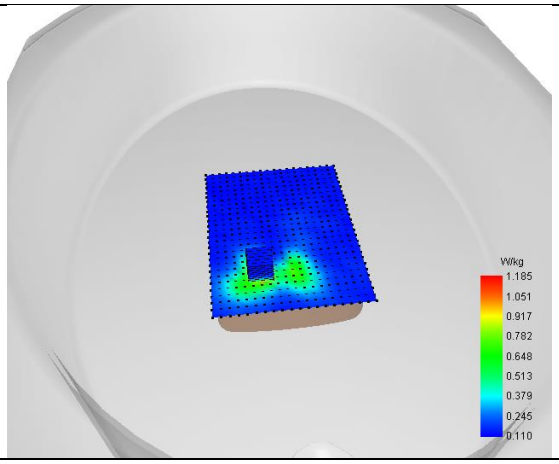
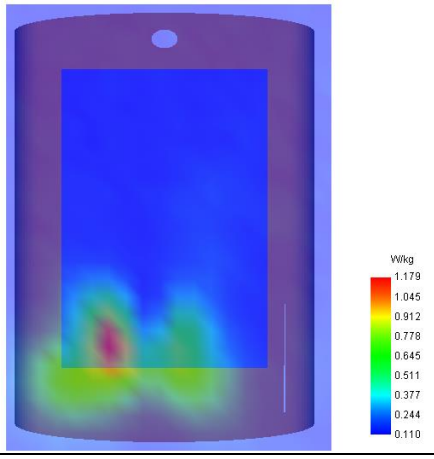
Maximum location: X=-26.00, Y=-55.00 ; SAR Peak: 2.05 W/kg

SAR 10g (W/Kg)	0.363
SAR 1g (W/Kg)	0.771
Variation (%)	2.070
Horizontal validation criteria: minimum distance (mm)	14.422205

Vertical validation criteria: SAR ratio M2/M1 (%)	56.793092

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.889	1.185	0.673	0.412	0.292	0.210	0.163	0.162	0.141	0.139	0.143	0.133



3D screen shot	Hot spot position
	

5.2GHz WIFI- Module AP6398P-ANT2-802.11a
Test Laboratory: AGC Lab **Date: Dec. 06, 2024**
802.11a CH48- Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 93%; Conv.F=1.53; Frequency: 5240MHz; Medium parameters used: f = 5250 MHz; σ= 4.69mho/m; εr =33.86; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

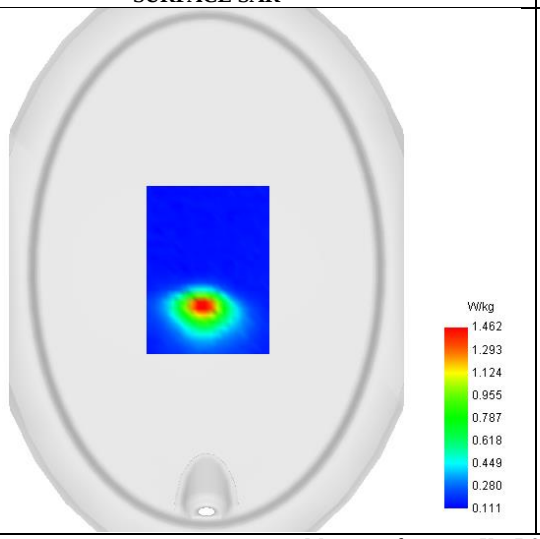
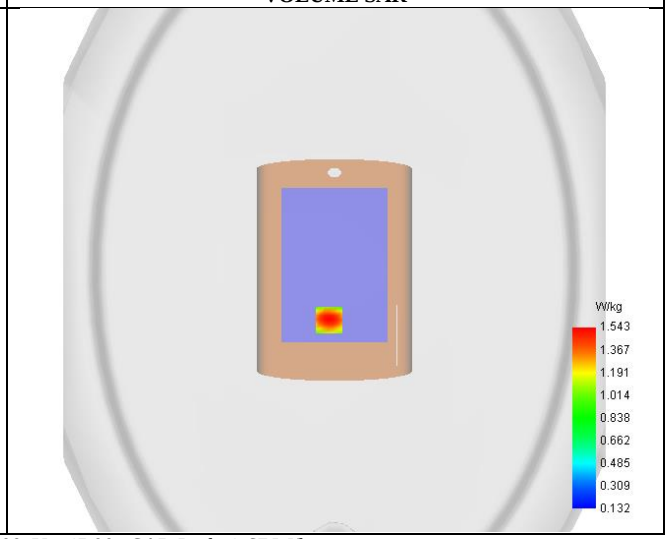
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.8

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 V5.3.15.8

Configuration/802.11a CH48- Front/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH48- Front/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	Front
Band	5200MHz
Channels	CH48
Signal	Crest factor: 1.0

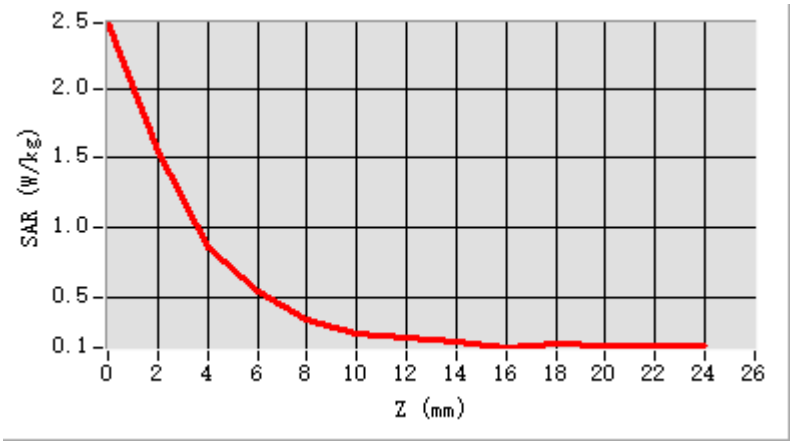
SURFACE SAR	VOLUME SAR
	

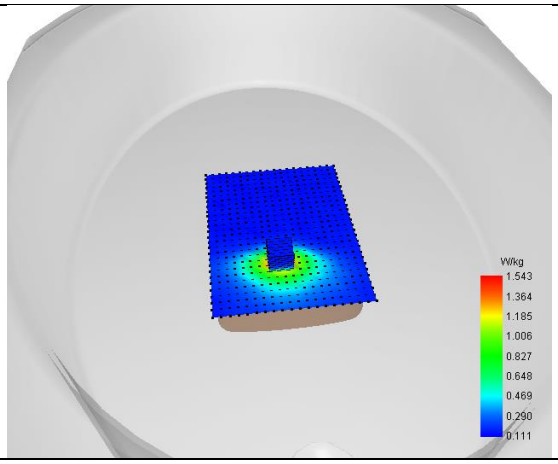
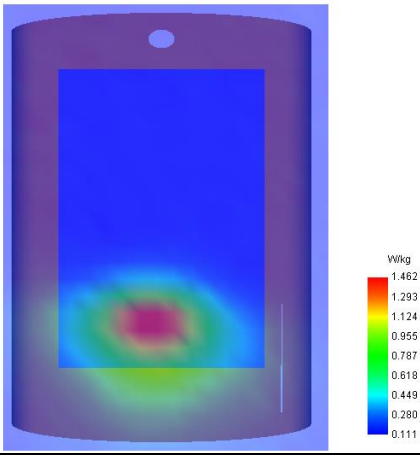
Maximum location: X=-5.00, Y=-45.00 ; SAR Peak: 2.67 W/kg

SAR 10g (W/Kg)	0.490
SAR 1g (W/Kg)	1.012
Variation (%)	-2.490
Horizontal validation criteria: minimum distance (mm)	16.970563

Vertical validation criteria: SAR ratio M2/M1 (%)	55.633575

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)	2.470	1.543	0.859	0.538	0.345	0.242	0.209	0.177	0.141	0.165	0.156	0.152



3D screen shot	Hot spot position
	

5.2GHz WIFI- Module WCN6856-ANT1-802.11a
Test Laboratory: AGC Lab **Date: Dec. 06, 2024**
802.11a CH40- Edge 4 (Left)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.53; Frequency: 5200MHz; Medium parameters used: f = 5250 MHz; σ= 4.61mho/m; εr =35.68; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

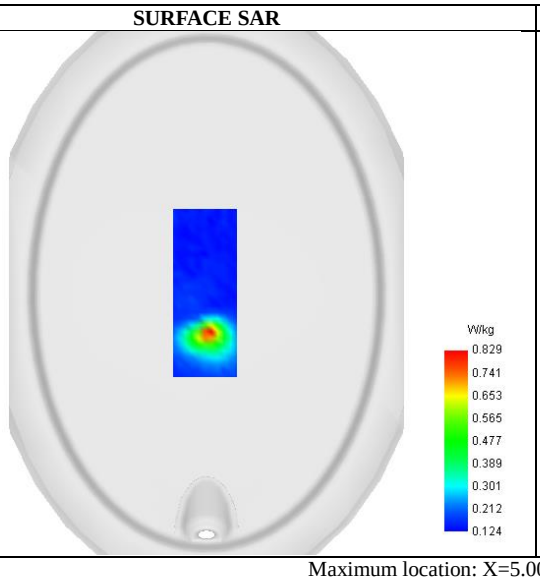
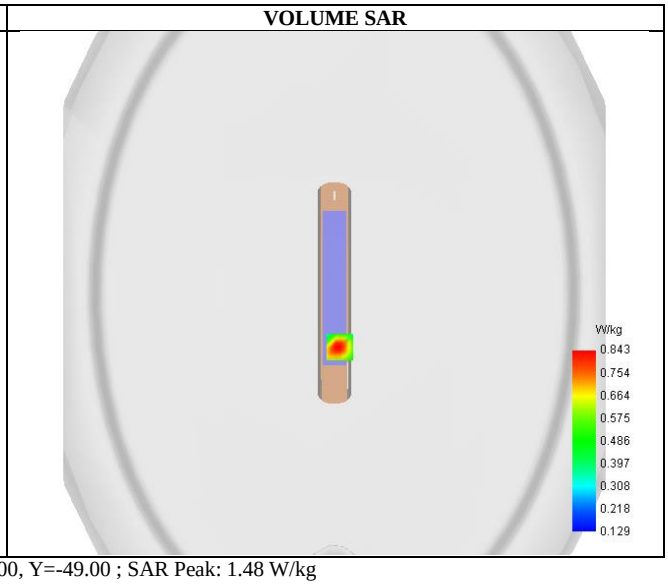
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.8

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 V5.3.15.8

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

Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Edge 4 (Left)
Band	5200MHz
Channels	CH40
Signal	Crest factor: 1.0

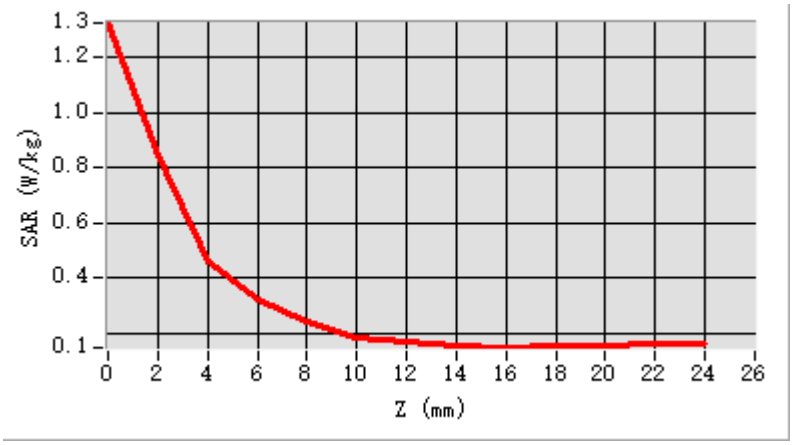
SURFACE SAR	VOLUME SAR
	

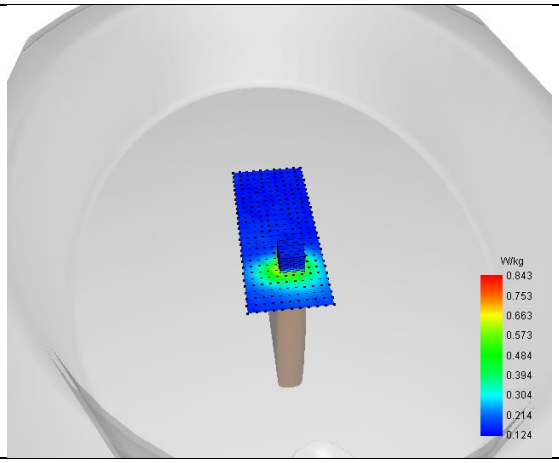
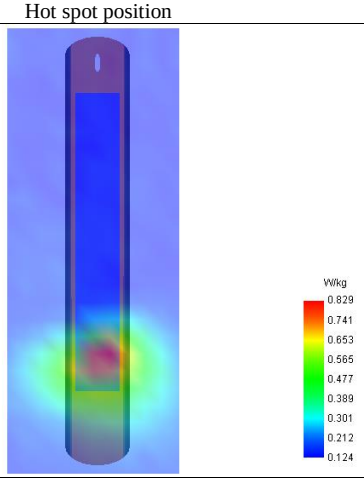
Maximum location: X=5.00, Y=-49.00 ; SAR Peak: 1.48 W/kg

SAR 10g (W/Kg)	0.281
SAR 1g (W/Kg)	0.570
Variation (%)	-7.030
Horizontal validation criteria: minimum distance (mm)	12.649111

Vertical validation criteria: SAR ratio M2/M1 (%)	56.539656

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.325	0.843	0.462	0.322	0.240	0.183	0.170	0.153	0.148	0.158	0.156	0.162



3D screen shot	Hot spot position
	

5.2GHz WIFI- Module WCN6856-ANT2-802.11a
Test Laboratory: AGC Lab **Date: Dec. 06, 2024**
802.11a CH36- Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.53; Frequency: 5180MHz; Medium parameters used: f = 5250 MHz; σ= 4.60mho/m; εr =36.72; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

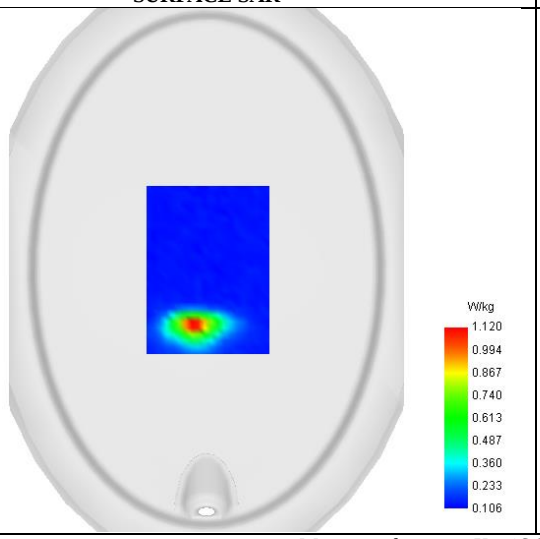
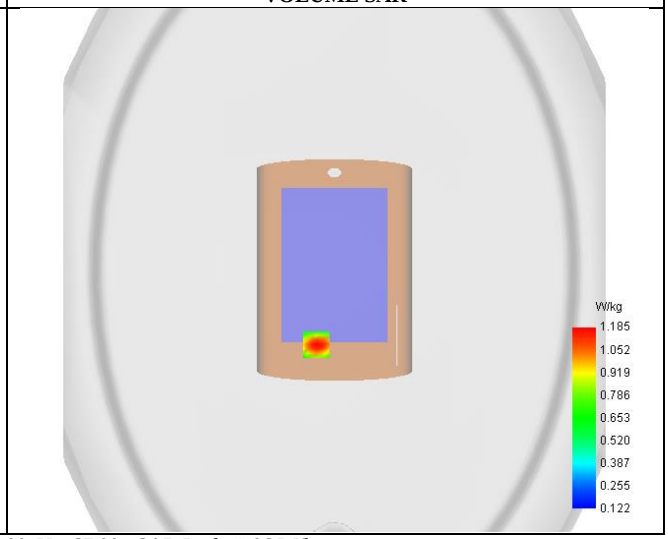
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.8

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 V5.3.15.8

Configuration/802.11a CH36- Front/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a CH36- Front/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	Front
Band	5200MHz
Channels	CH36
Signal	Crest factor: 1.0

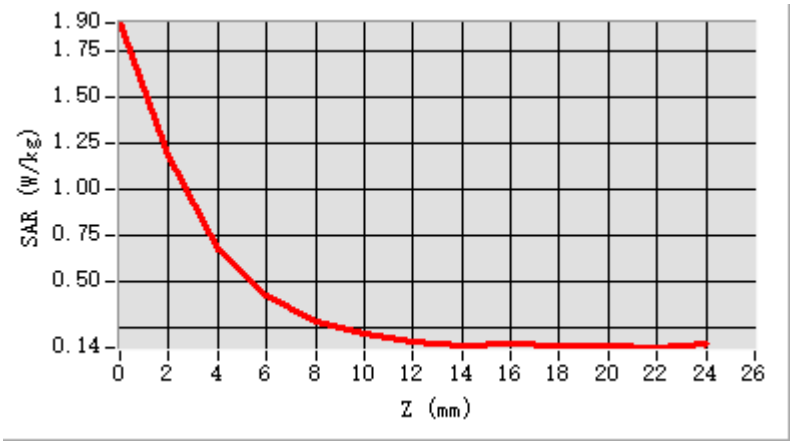
SURFACE SAR	VOLUME SAR
	

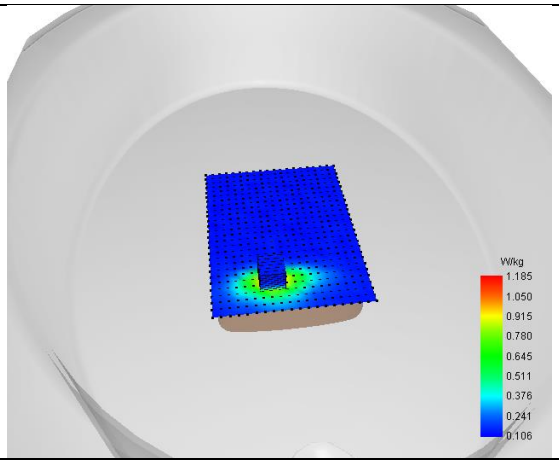
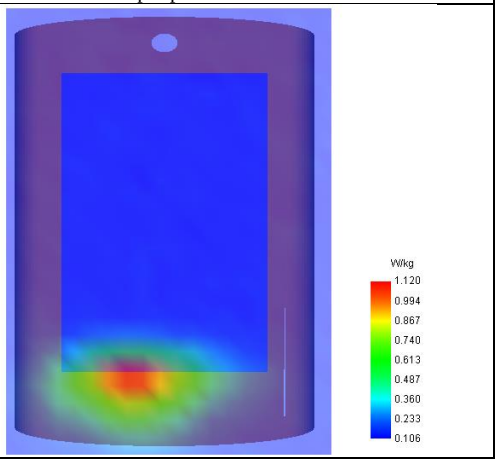
Maximum location: X=-16.00, Y=-67.00 ; SAR Peak: 2.06 W/kg

SAR 10g (W/Kg)	0.378
SAR 1g (W/Kg)	0.775
Variation (%)	-10.760
Horizontal validation criteria: minimum distance (mm)	12.649111

Vertical validation criteria: SAR ratio M2/M1 (%)	56.485534

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.899	1.185	0.669	0.417	0.276	0.217	0.166	0.151	0.155	0.152	0.145	0.138



3D screen shot	Hot spot position
	

5.2GHz WIFI- Module AP6398P-ANT1-802.11n20
Test Laboratory: AGC Lab **Date: Dec. 06, 2024**
802.11n20 CH40-Back
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11n20; Duty Cycle: 93%; Conv.F=1.53; Frequency: 5200MHz; Medium parameters used: f = 5250 MHz; σ= 4.61mho/m; εr =35.68; ρ= 1000 kg/m³ ; Phantom section: Flat Section

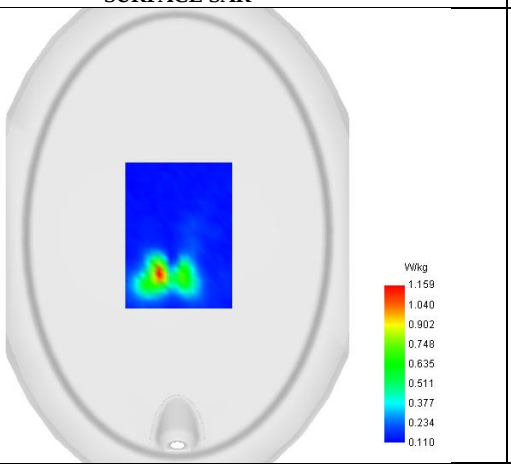
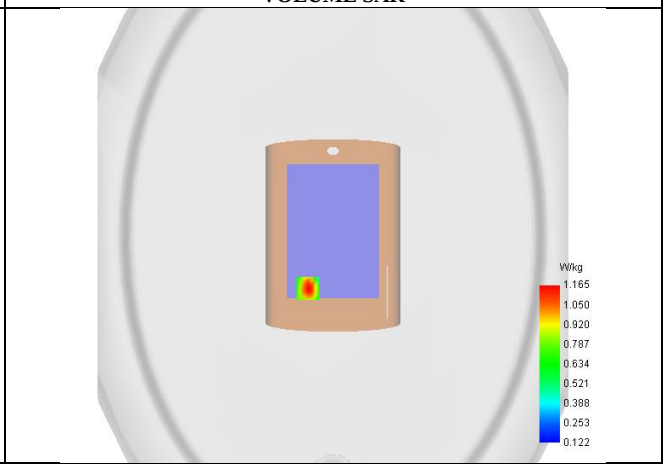
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.8

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 V5.3.15.8

Configuration/802.11n20 CH40- Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n20 CH40- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

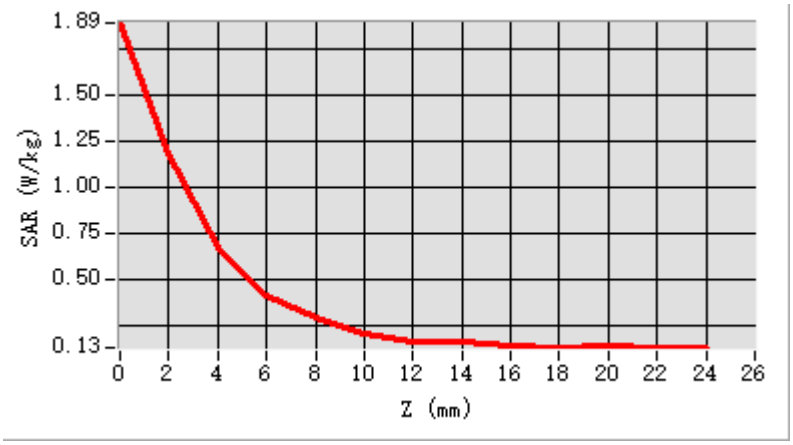
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5200MHz
Channels	CH40
Signal	Crest factor: 1.0

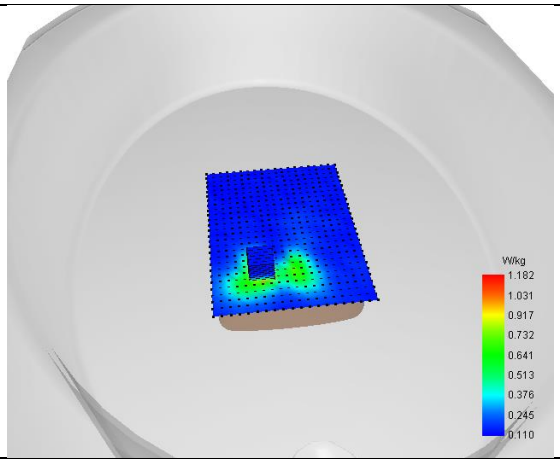
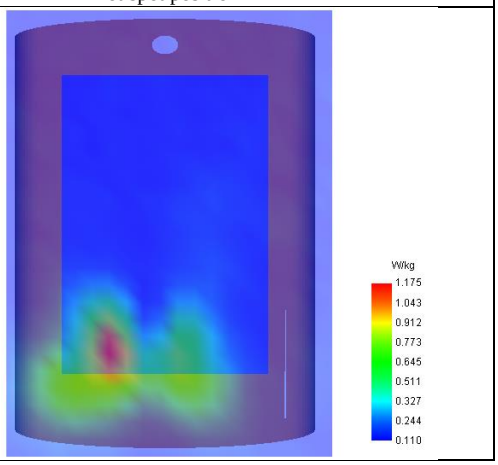
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-26.00, Y=-55.00 ; SAR Peak: 2.05 W/kg

SAR 10g (W/Kg)	0.363
SAR 1g (W/Kg)	0.731
Variation (%)	2.092
Horizontal validation criteria: minimum distance (mm)	14.423051
Vertical validation criteria: SAR ratio M2/M1 (%)	56.795108

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.875	1.185	0.662	0.415	0.283	0.211	0.154	0.165	0.141	0.132	0.143	0.127



3D screen shot	Hot spot position
	

5.2GHz WIFI- Module AP6398P-ANT2-802.11n20
Test Laboratory: AGC Lab **Date: Dec. 06, 2024**
802.11n20 CH48- Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11n20; Duty Cycle: 93%; Conv.F=1.53; Frequency: 5240MHz; Medium parameters used: f = 5250 MHz; σ= 4.69mho/m; εr =33.86; ρ= 1000 kg/m³ ; Phantom section: Flat Section

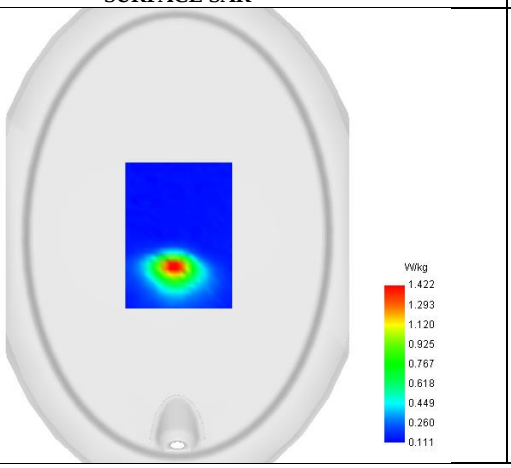
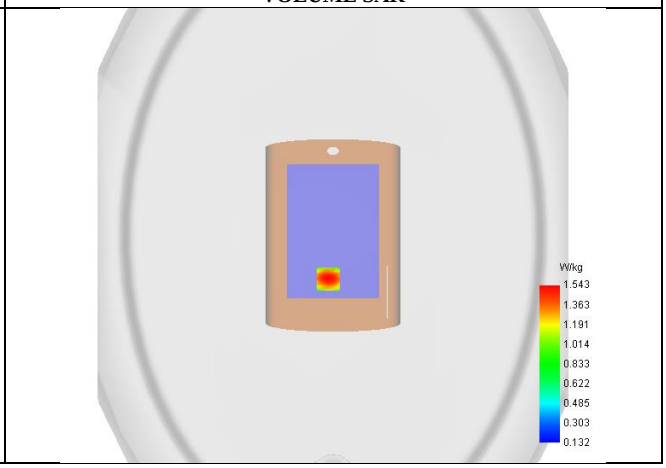
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.8

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 V5.3.15.8

Configuration/802.11n20 CH48- Front/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n20 CH48- Front/Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

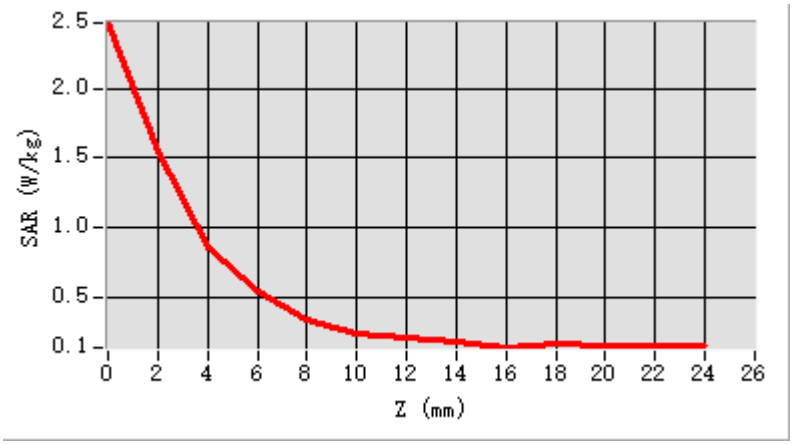
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Front
Band	5200MHz
Channels	CH48
Signal	Crest factor: 1.0

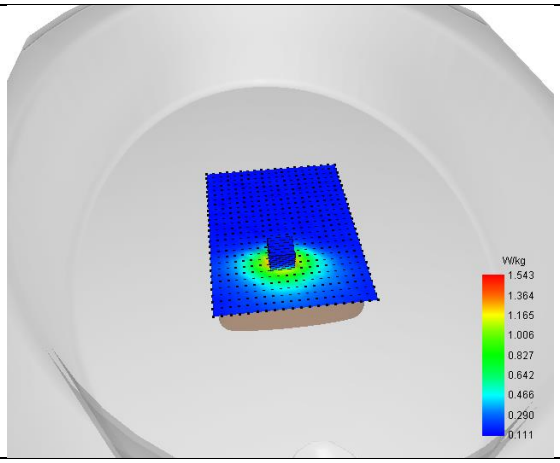
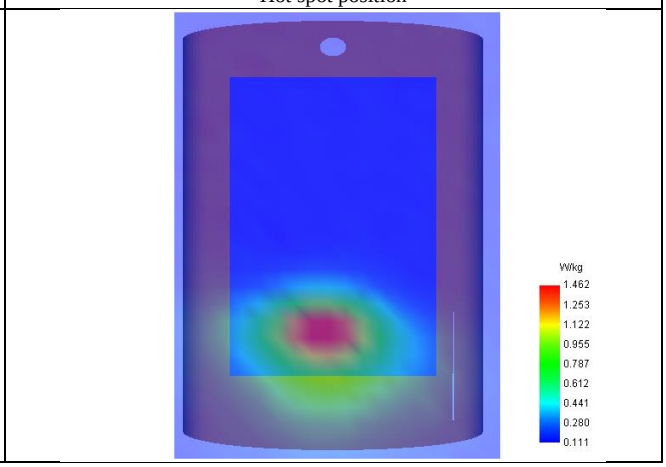
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-5.00, Y=-45.00 ; SAR Peak: 2.67 W/kg

SAR 10g (W/Kg)	0.288
SAR 1g (W/Kg)	0.764
Variation (%)	-2.495
Horizontal validation criteria: minimum distance (mm)	16.970152
Vertical validation criteria: SAR ratio M2/M1 (%)	55.634105

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)	2.495	1.535	0.842	0.522	0.321	0.225	0.201	0.152	0.155	0.141	0.152	0.135



3D screen shot	Hot spot position
	

5.2GHz WIFI- Module WCN6856-ANT1-802.11ax80
Test Laboratory: AGC Lab **Date: Dec. 06, 2024**
802.11ax80 CH42- Edge 4 (Left)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11ax80; Duty Cycle: 1:1; Conv.F=1.53; Frequency: 5210MHz; Medium parameters used: f = 5250 MHz; σ= 4.66mho/m; εr =34.13; ρ= 1000 kg/m³ ; Phantom section: Flat Section

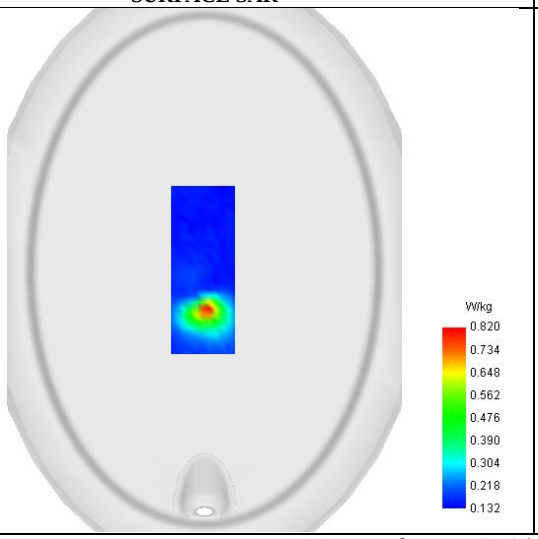
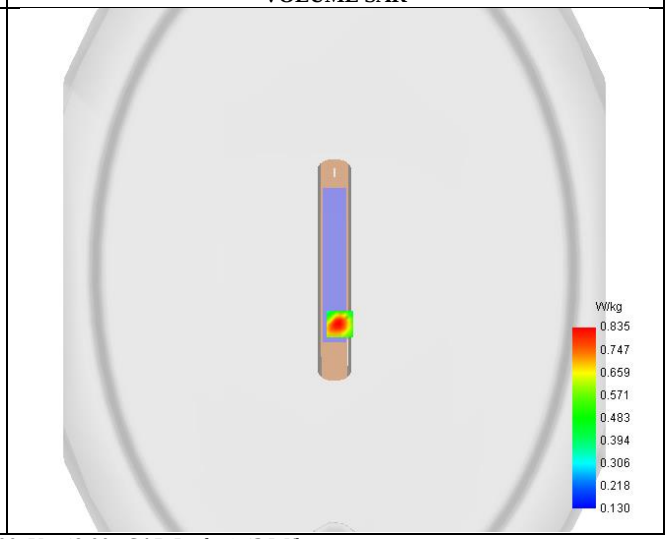
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.8

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 V5.3.15.8

Configuration/802.11ax80 CH42- Edge 4 (Left)/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11ax80 CH42- Edge 4 (Left)/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	Edge 4 (Left)
Band	5200MHz
Channels	CH42
Signal	Crest factor: 1.0

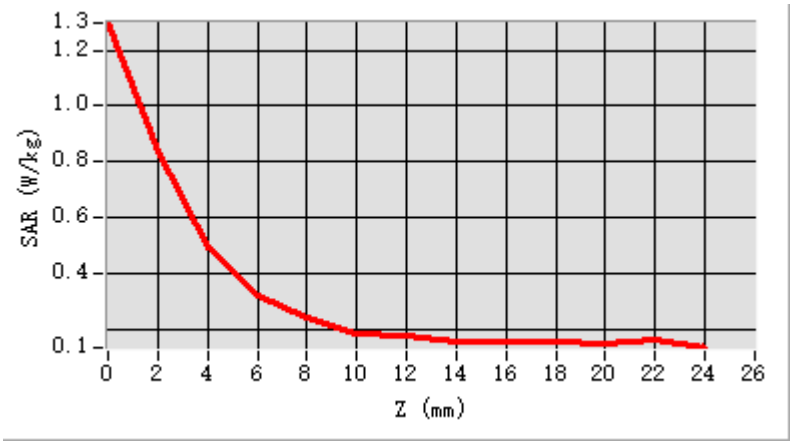
SURFACE SAR	VOLUME SAR
	

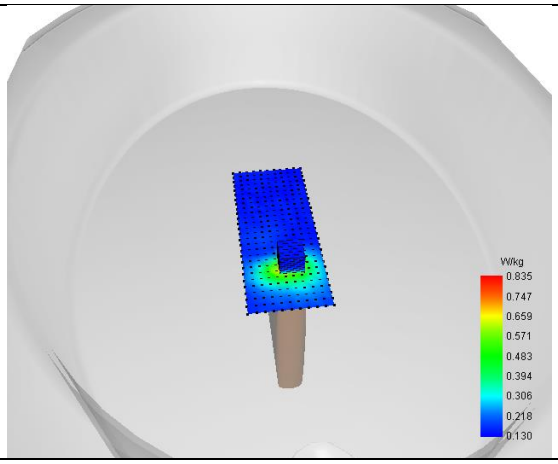
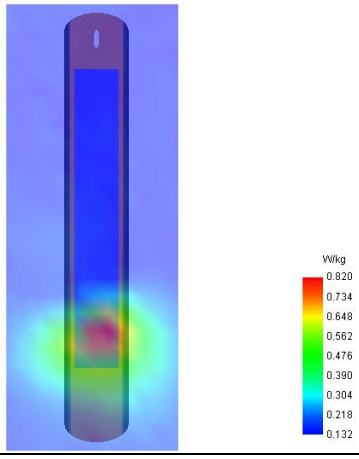
Maximum location: X=5.00, Y=-49.00 ; SAR Peak: 1.43 W/kg

SAR 10g (W/Kg)	0.242
SAR 1g (W/Kg)	0.520
Variation (%)	-6.581
Horizontal validation criteria: minimum distance (mm)	14.420415

Vertical validation criteria: SAR ratio M2/M1 (%)	58.706149

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.306	0.844	0.496	0.312	0.245	0.181	0.172	0.162	0.157	0.155	0.135	0.142



3D screen shot	Hot spot position
	

5.2GHz WIFI- Module WCN6856-ANT2-802.11ax80
Test Laboratory: AGC Lab **Date: Dec. 06, 2024**
802.11ax80 CH42- Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11ax80; Duty Cycle: 1:1; Conv.F=1.53; Frequency: 5210MHz; Medium parameters used: f = 5250 MHz; σ= 4.66mho/m; εr =34.13; ρ= 1000 kg/m³ ; Phantom section: Flat Section

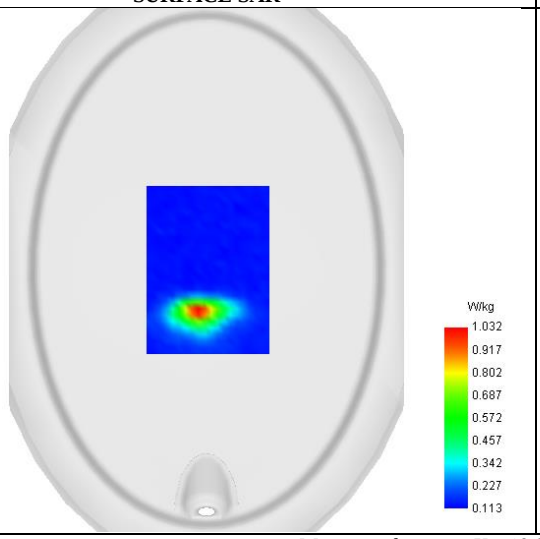
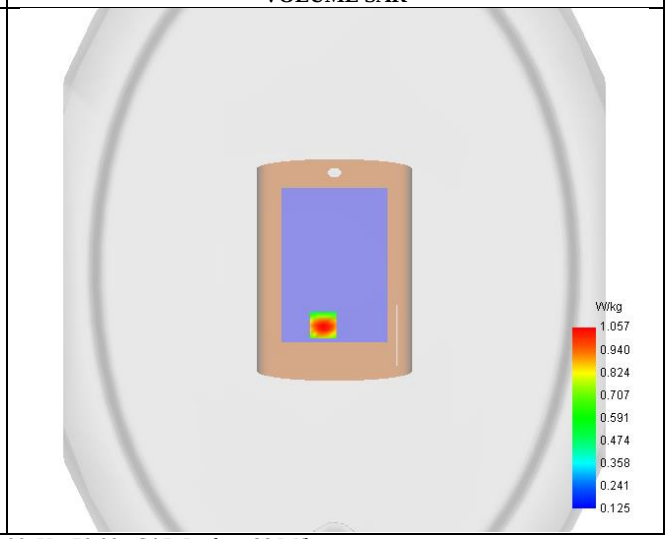
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.8

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 V5.3.15.8

Configuration/802.11ax80 CH42- Front/Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11ax80 CH42- Front/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	Front
Band	5200MHz
Channels	CH42
Signal	Crest factor: 1.0

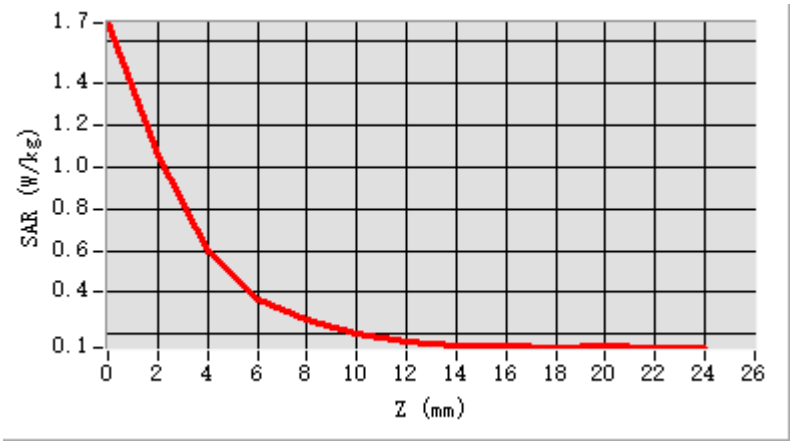
SURFACE SAR	VOLUME SAR
	

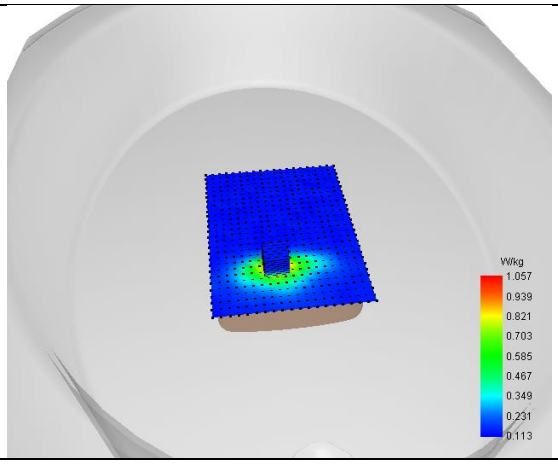
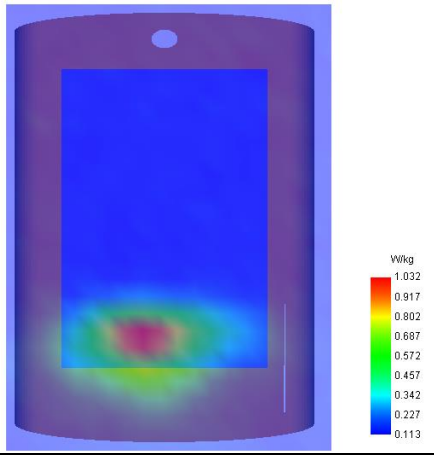
Maximum location: X=-10.00, Y=-50.00 ; SAR Peak: 1.88 W/kg

SAR 10g (W/Kg)	0.356
SAR 1g (W/Kg)	0.724
Variation (%)	0.070
Horizontal validation criteria: minimum distance (mm)	12.649849

Vertical validation criteria: SAR ratio M2/M1 (%)	55.912151

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.691	1.064	0.602	0.3855	0.271	0.205	0.167	0.155	0.145	0.142	0.134	0.129



3D screen shot	Hot spot position
	

5.8GHz WIFI- Module AP6398P-ANT1-802.11a
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11a High-Back
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 93%; Conv.F=1.37; Frequency: 5825MHz; Medium parameters used: f = 5750 MHz; σ= 5.36mho/m; εr =33.82; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

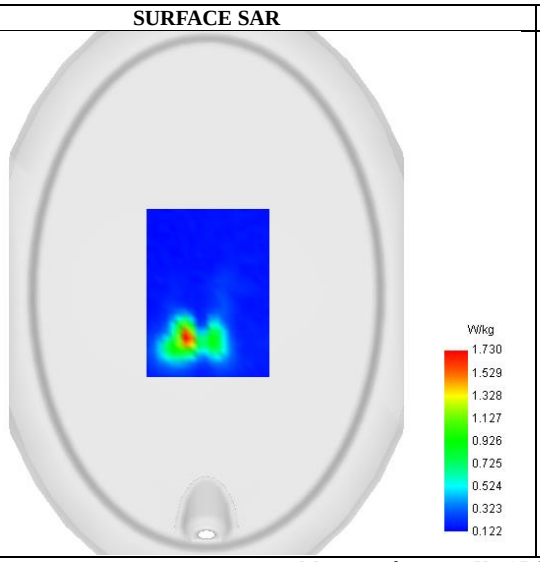
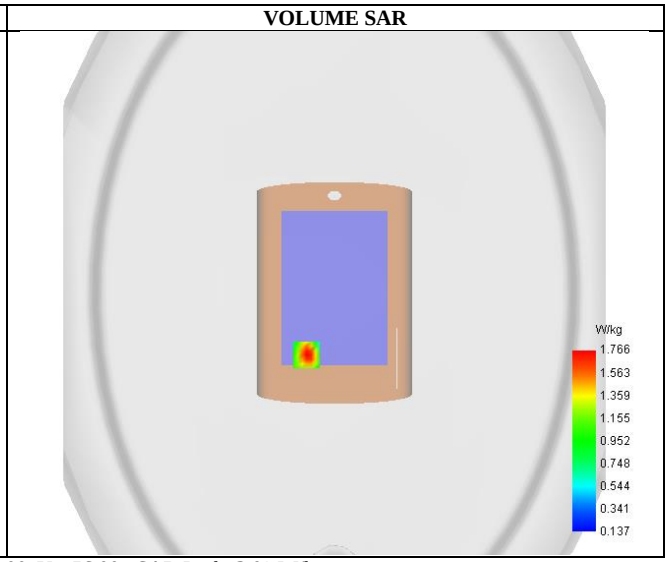
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11a High - Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a High - 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	High
Signal	Crest factor: 1.0

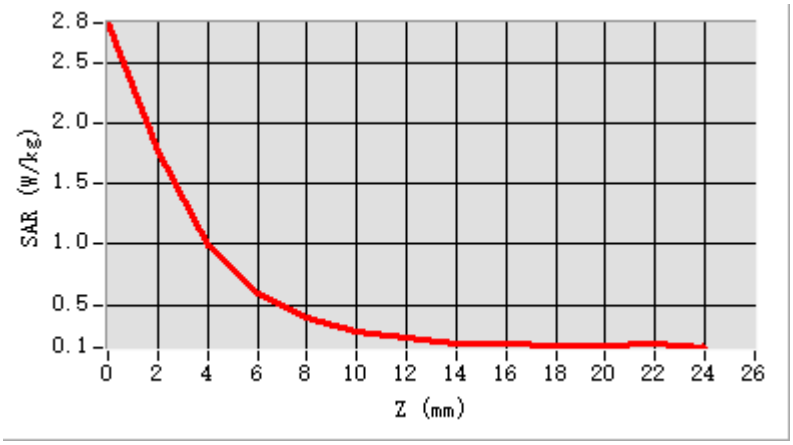
SURFACE SAR	VOLUME SAR
	

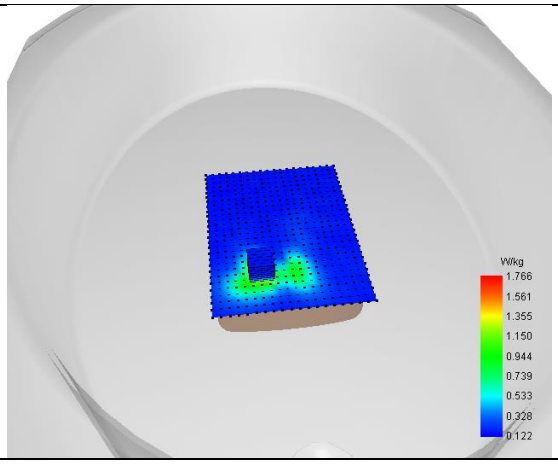
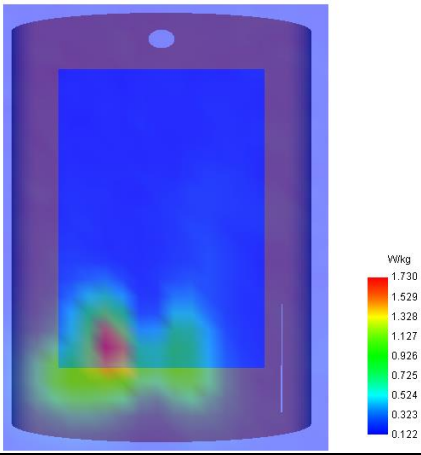
Maximum location: X=-25.00, Y=-56.00 ; SAR Peak: 3.02 W/kg

SAR 10g (W/Kg)	0.512
SAR 1g (W/Kg)	1.122
Variation (%)	-3.750
Horizontal validation criteria: minimum distance (mm)	12.649111

Vertical validation criteria: SAR ratio M2/M1 (%)	56.006908

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)	2.828	1.766	0.989	0.591	0.399	0.273	0.227	0.180	0.177	0.169	0.163	0.171



3D screen shot	Hot spot position
	

5.8GHz WIFI- Module AP6398P-ANT2-802.11a
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11a High-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 93%; Conv.F=1.37; Frequency: 5825MHz; Medium parameters used: f = 5750 MHz; σ= 5.36mho/m; εr =33.82; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

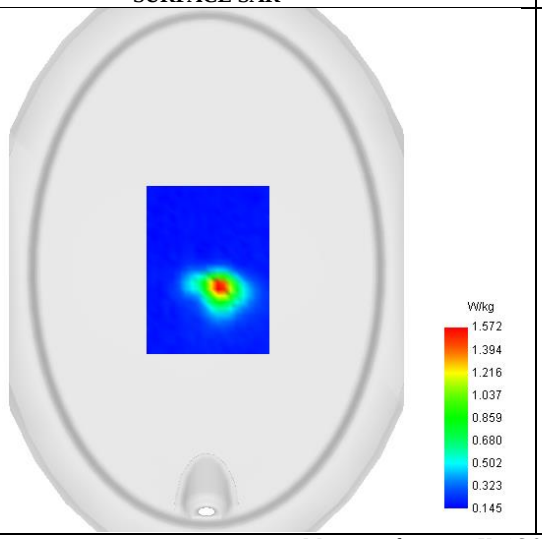
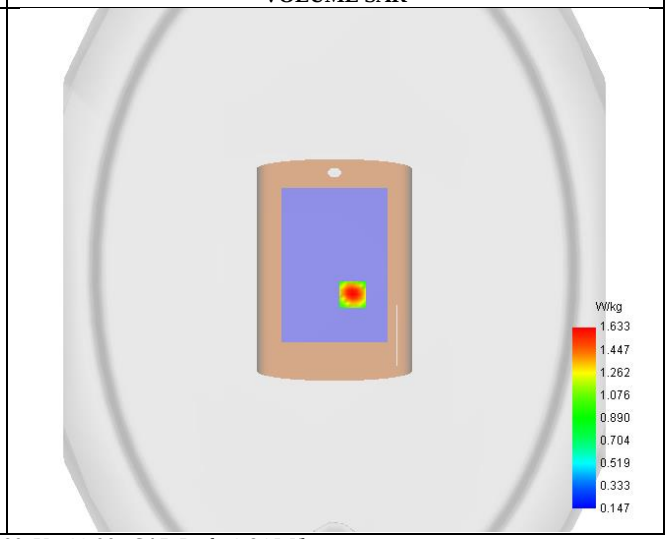
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11a High - Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a High - Front /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	Front
Band	5800MHz
Channels	High
Signal	Crest factor: 1.0

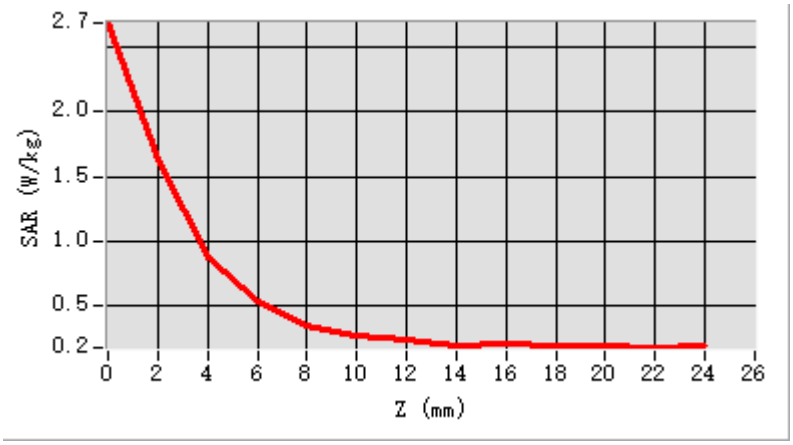
SURFACE SAR	VOLUME SAR
	

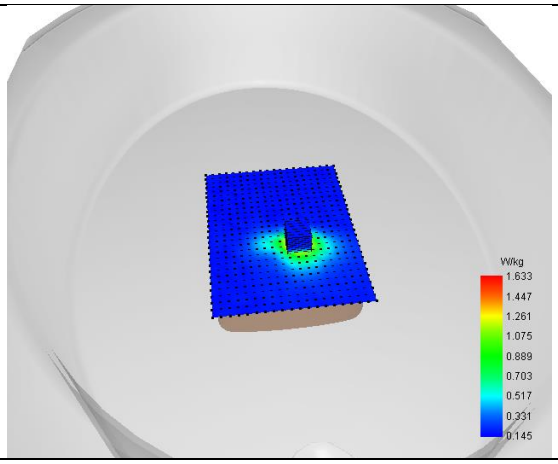
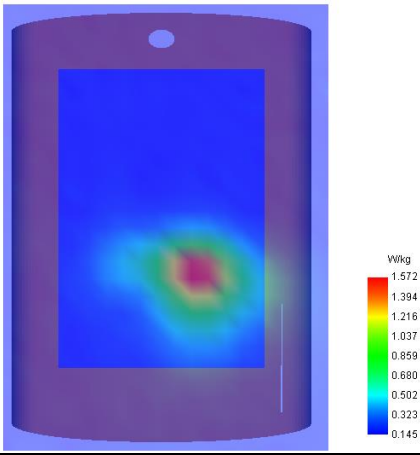
Maximum location: X=16.00, Y=-22.00 ; SAR Peak: 2.94 W/kg

SAR 10g (W/Kg)	0.506
SAR 1g (W/Kg)	1.071
Variation (%)	-4.280
Horizontal validation criteria: minimum distance (mm)	16.970563

Vertical validation criteria: SAR ratio M2/M1 (%)	53.139954

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)	2.690	1.633	0.868	0.525	0.342	0.267	0.228	0.188	0.194	0.188	0.183	0.171



3D screen shot	Hot spot position
	

5.8GHz WIFI- Module WCN6856-ANT1-802.11a
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11a Mid-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.37; Frequency: 5785MHz; Medium parameters used: f = 5750 MHz; σ= 5.25mho/m; εr =35.91; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

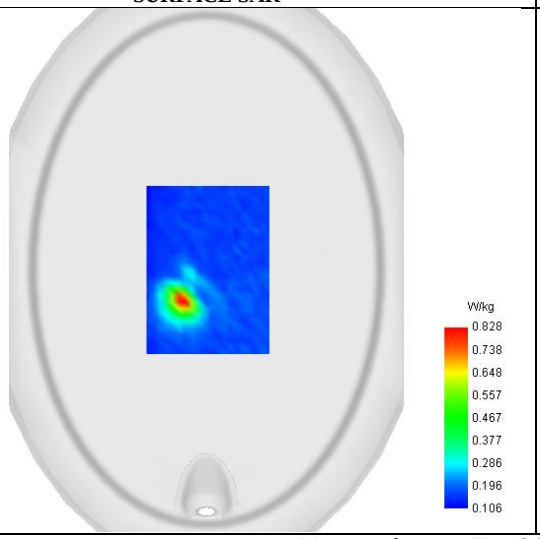
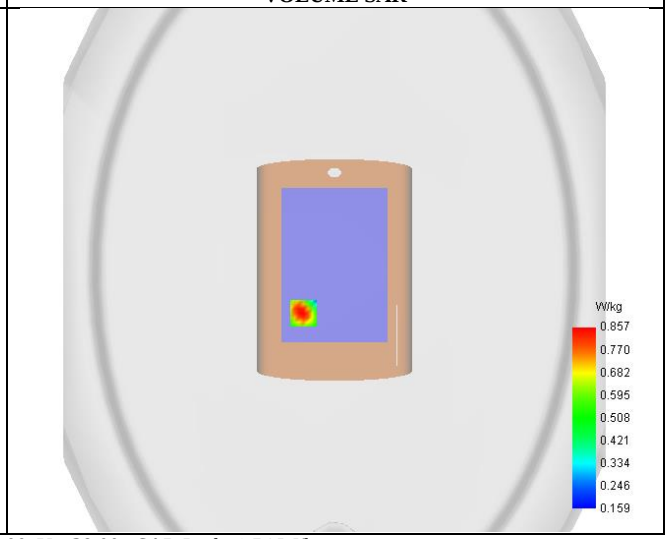
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11a Mid -Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a Mid -Front /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	Front
Band	5800MHz
Channels	Middle
Signal	Crest factor: 1.0

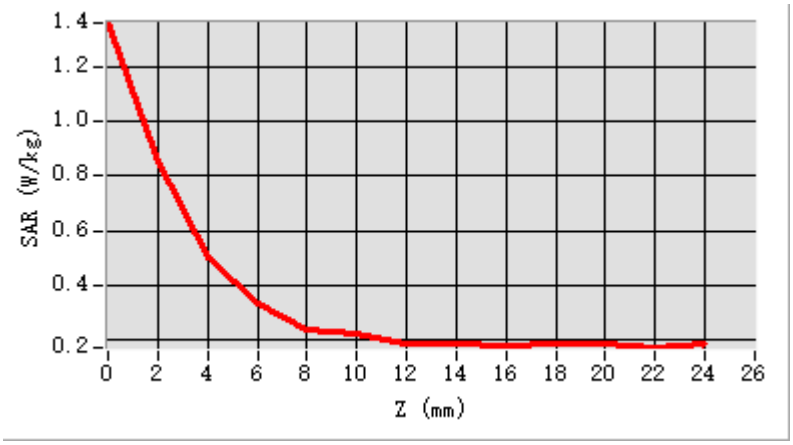
SURFACE SAR	VOLUME SAR
	

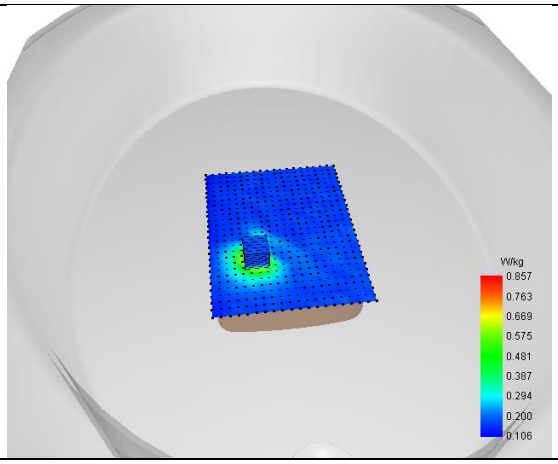
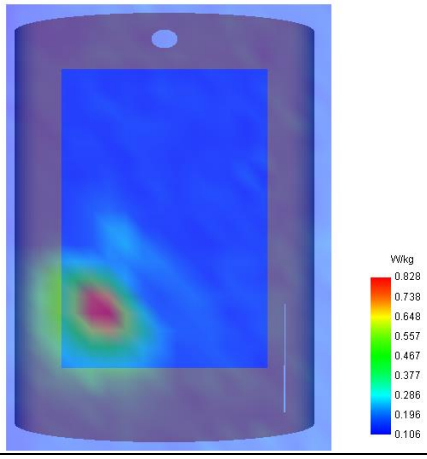
Maximum location: X=-28.00, Y=-39.00 ; SAR Peak: 1.54 W/kg

SAR 10g (W/Kg)	0.303
SAR 1g (W/Kg)	0.591
Variation (%)	34.210
Horizontal validation criteria: minimum distance (mm)	14.422205

Vertical validation criteria: SAR ratio M2/M1 (%)	58.394385

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.360	0.857	0.500	0.337	0.236	0.228	0.189	0.188	0.183	0.185	0.187	0.173



3D screen shot	Hot spot position
	

5.8GHz WIFI- Module WCN6856-ANT2-802.11a
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11a Mid-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.37; Frequency: 5785MHz; Medium parameters used: f = 5750 MHz; σ= 5.25mho/m; εr =35.91; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

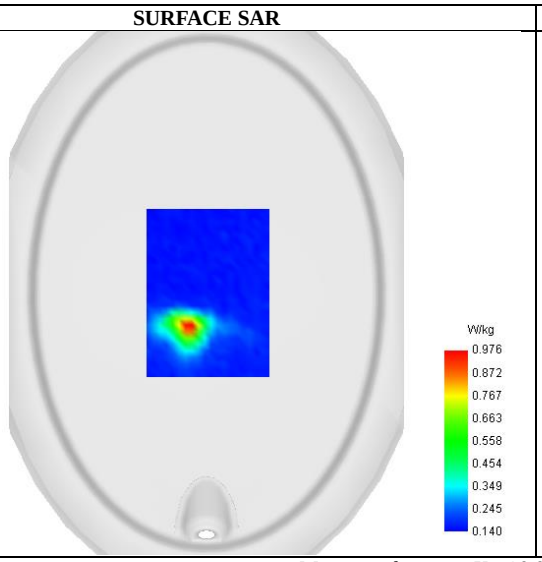
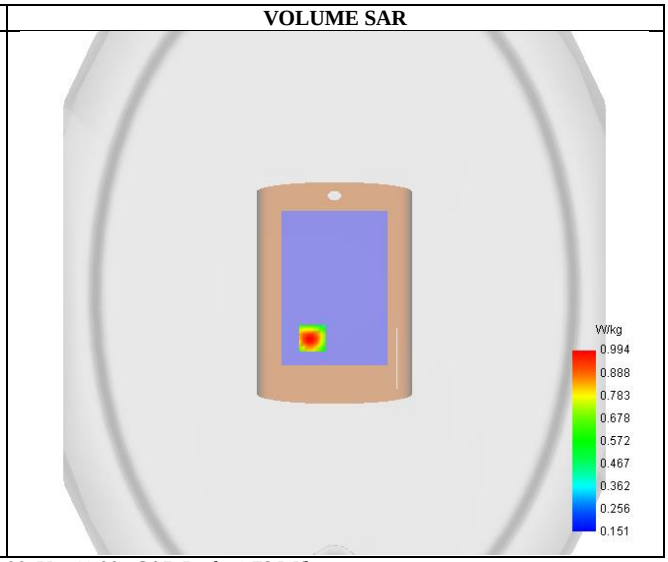
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11a Mid -Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a Mid -Front /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	Front
Band	5800MHz
Channels	Middle
Signal	Crest factor: 1.0

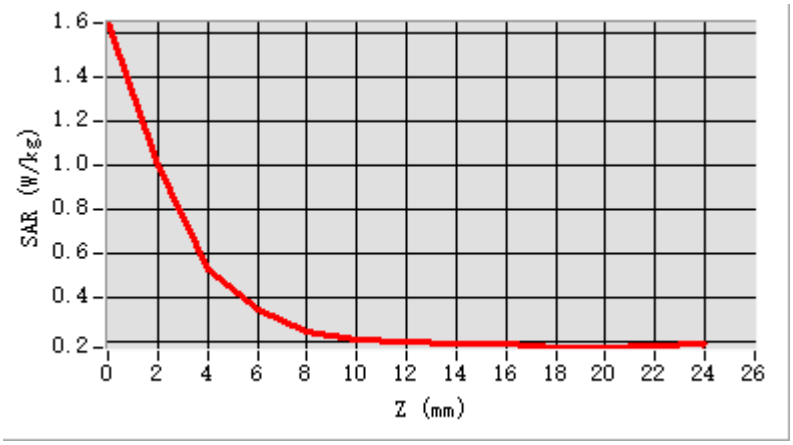
SURFACE SAR	VOLUME SAR
	

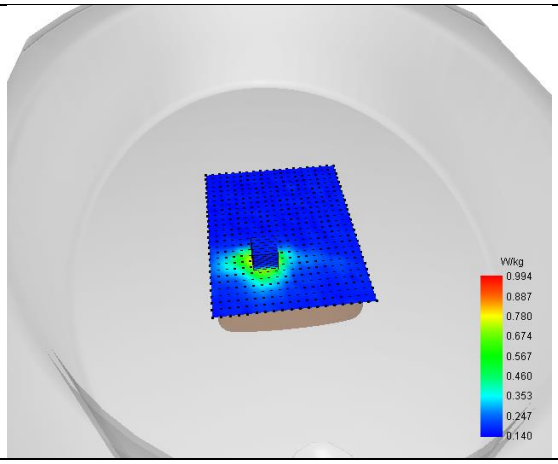
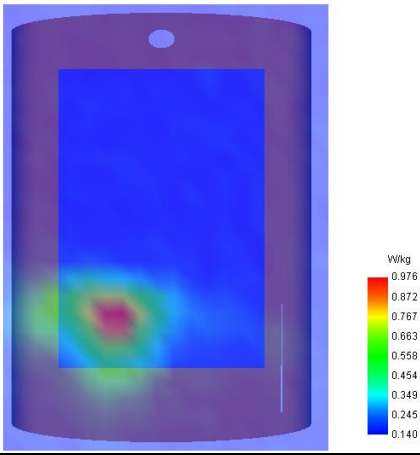
Maximum location: X=-20.00, Y=-41.00 ; SAR Peak: 1.78 W/kg

SAR 10g (W/Kg)	0.332
SAR 1g (W/Kg)	0.667
Variation (%)	4.230
Horizontal validation criteria: minimum distance (mm)	20.000000

Vertical validation criteria: SAR ratio M2/M1 (%)	54.271402

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.645	0.994	0.527	0.342	0.242	0.205	0.196	0.187	0.184	0.173	0.169	0.179



3D screen shot	Hot spot position
	

5.8GHz WIFI- Module AP6398P-ANT1-802.11n40
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11n40 CH159-Back
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11n40; Duty Cycle: 93%; Conv.F=1.37; Frequency: 5795MHz; Medium parameters used: f = 5750 MHz; σ= 5.28mho/m; εr =35.62; ρ= 1000 kg/m³ ; Phantom section: Flat Section

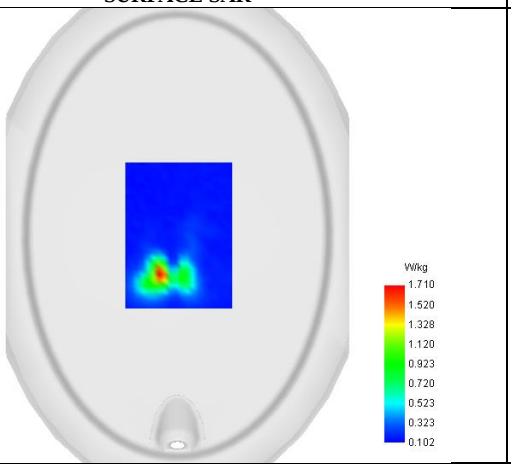
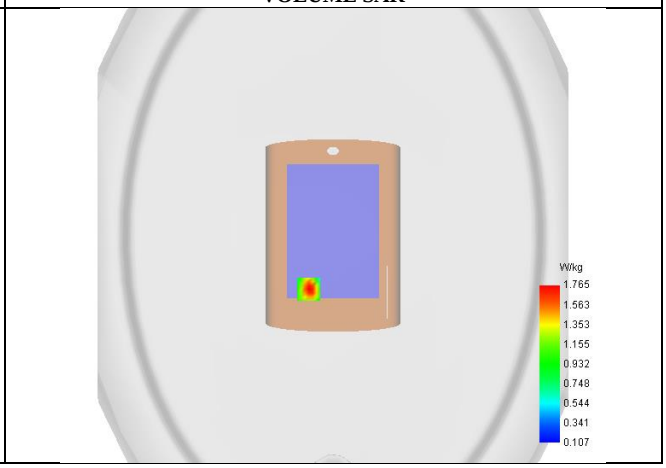
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11n40 CH159 - Back /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n40 CH159- Back /Zoom Scan: Measurement grid: dx=4mm,dy=4mm, dz=2mm

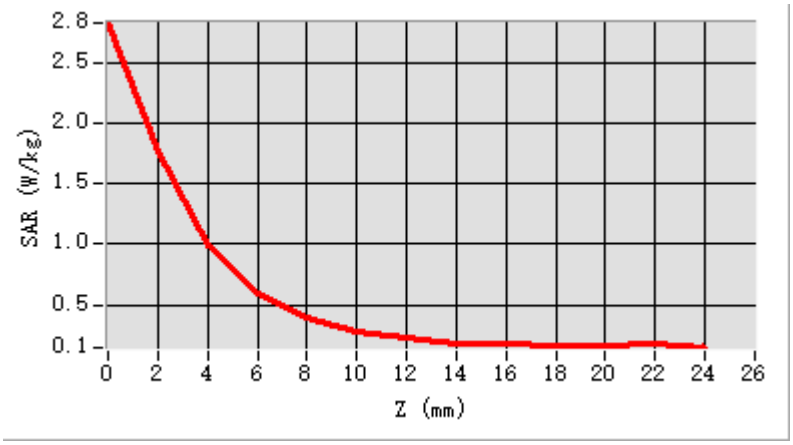
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5800MHz
Channels	CH159
Signal	Crest factor: 1.0

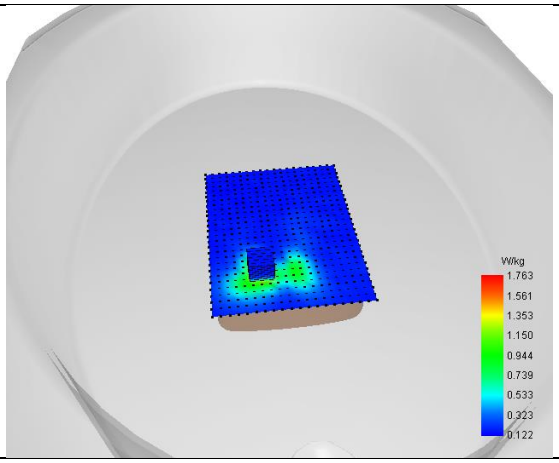
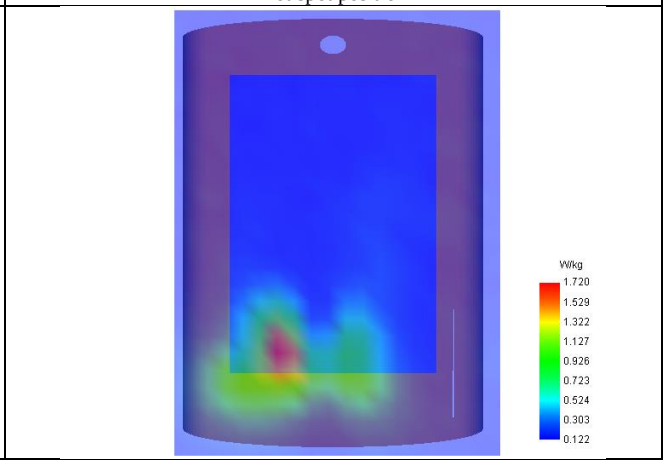
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-25.00, Y=-56.00 ; SAR Peak: 3.02 W/kg

SAR 10g (W/Kg)	0.363
SAR 1g (W/Kg)	0.792
Variation (%)	-3.731
Horizontal validation criteria: minimum distance (mm)	12.646251
Vertical validation criteria: SAR ratio M2/M1 (%)	56.001524

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)	2.810	1.732	0.959	0.542	0.361	0.254	0.227	0.1711	0.165	0.151	0.143	0.152



3D screen shot	Hot spot position
	

5.8GHz WIFI- Module AP6398P-ANT2-802.11n40
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11n40 CH159-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11n40; Duty Cycle: 93%; Conv.F=1.37; Frequency: 5795MHz; Medium parameters used: f = 5750 MHz; σ= 5.28mho/m; εr =35.62; ρ= 1000 kg/m³ ; Phantom section: Flat Section

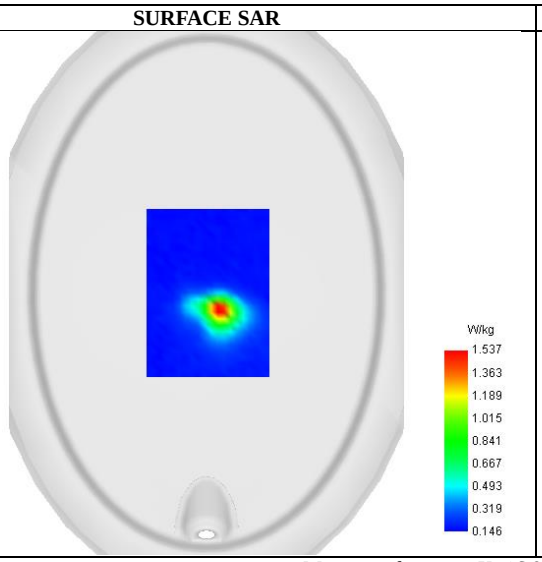
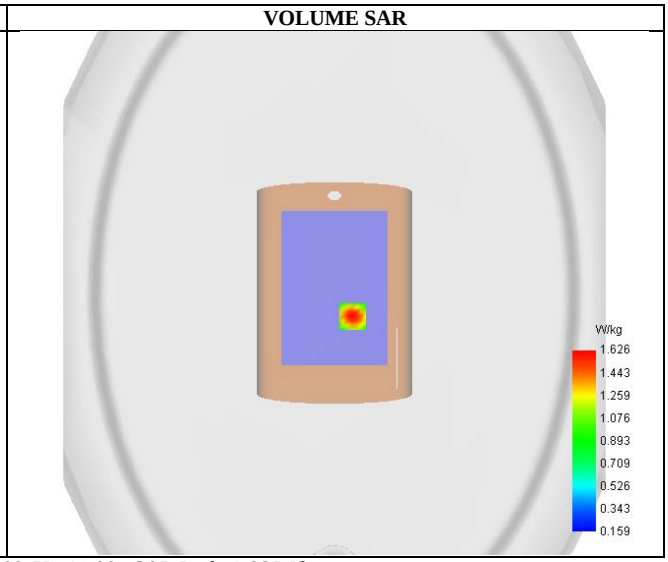
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11n40 CH159- Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11n40 CH159 - Front /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	Front
Band	5800MHz
Channels	CH159
Signal	Crest factor: 1.0

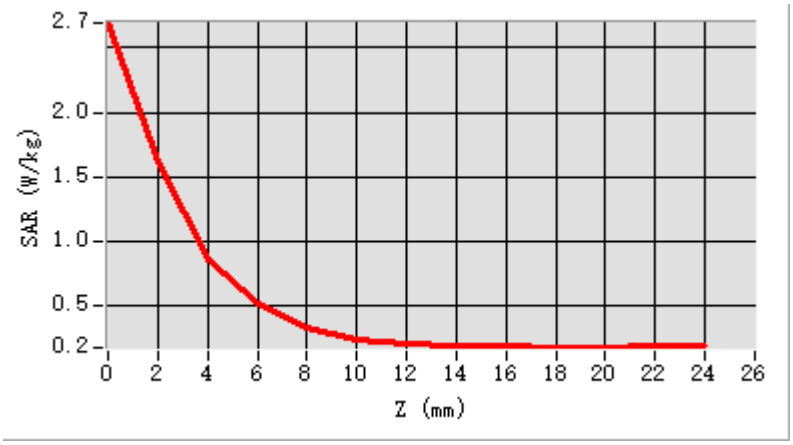
SURFACE SAR	VOLUME SAR
	

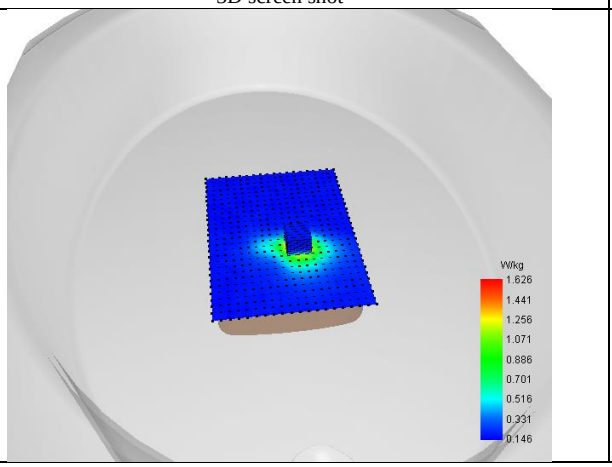
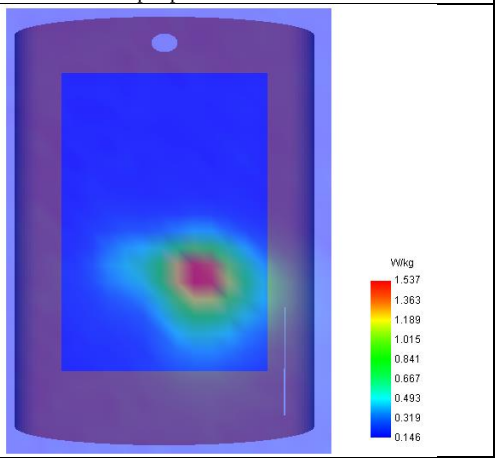
Maximum location: X=16.00, Y=-21.00 ; SAR Peak: 2.86 W/kg

SAR 10g (W/Kg)	0.295
SAR 1g (W/Kg)	0.763
Variation (%)	-3.121
Horizontal validation criteria: minimum distance (mm)	16.965521

Vertical validation criteria: SAR ratio M2/M1 (%)	53.0711559

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)	2.694	1.614	0.852	0.511	0.330	0.242	0.206	0.179	0.182	0.161	0.153	0.172



3D screen shot	Hot spot position
	

5.8GHz WIFI- Module WCN6856-ANT1-802.11ax20
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11ax20 Mid-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11ax20; Duty Cycle: 1:1; Conv.F=1.37; Frequency: 5785MHz; Medium parameters used: f = 5750 MHz; σ= 5.25mho/m; εr =35.91; ρ= 1000 kg/m³ ; Phantom section: Flat Section

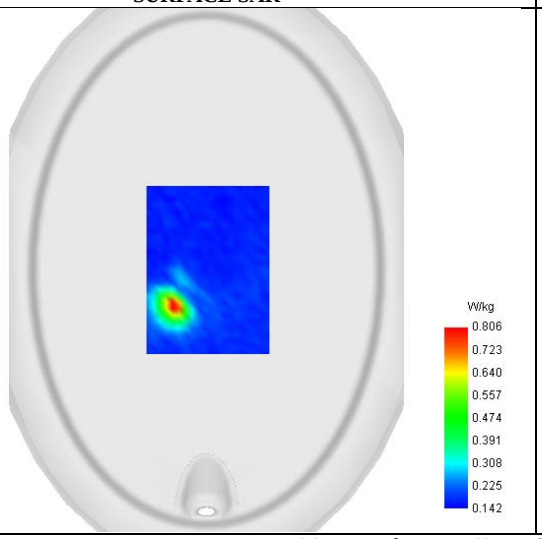
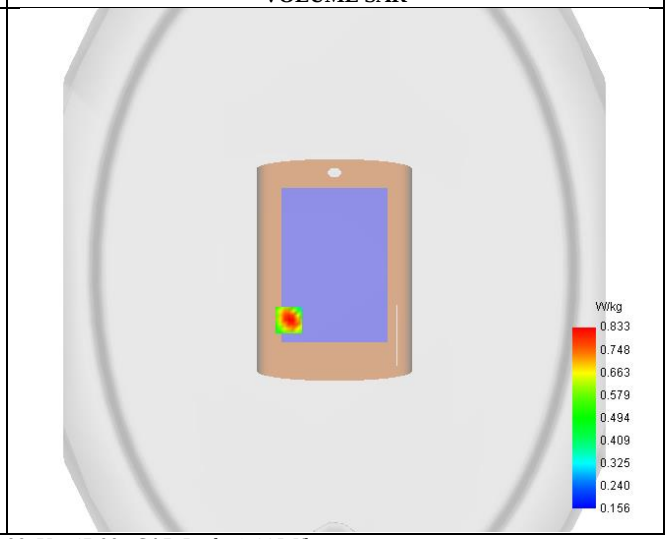
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11ax20 Mid -Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11ax20 Mid -Front /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	Front
Band	5800MHz
Channels	Middle
Signal	Crest factor: 1.0

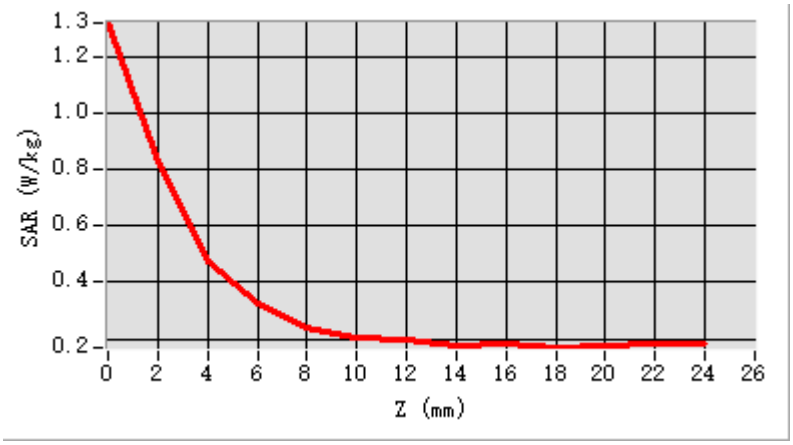
SURFACE SAR	VOLUME SAR
	

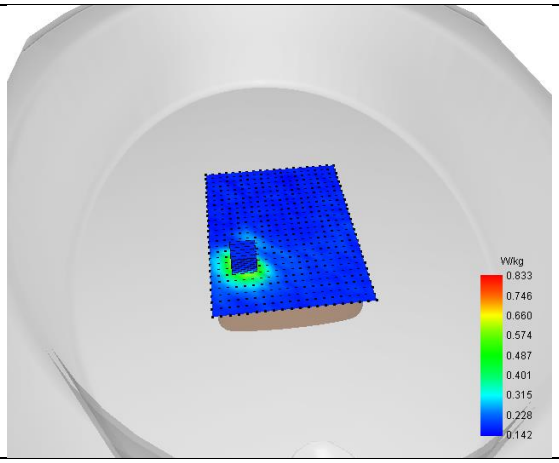
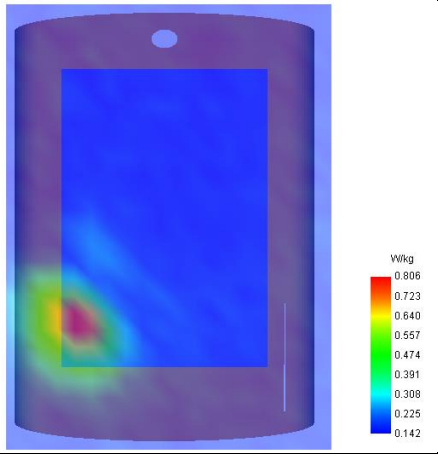
Maximum location: X=-41.00, Y=-45.00 ; SAR Peak: 1.44 W/kg

SAR 10g (W/Kg)	0.308
SAR 1g (W/Kg)	0.571

Variation (%)	4.835
Horizontal validation criteria: minimum distance (mm)	14.423026
Vertical validation criteria: SAR ratio M2/M1 (%)	56.780215

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.322	0.837	0.475	0.325	0.242	0.211	0.194	0.172	0.180	0.160	0.175	0.182



3D screen shot	Hot spot position
	

5.8GHz WIFI- Module WCN6856-ANT2-802.11ax20
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11ax20 Mid-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11ax20; Duty Cycle: 1:1; Conv.F=1.37; Frequency: 5785MHz; Medium parameters used: f = 5750 MHz; σ= 5.25mho/m; εr =35.91; ρ= 1000 kg/m³ ; Phantom section: Flat Section

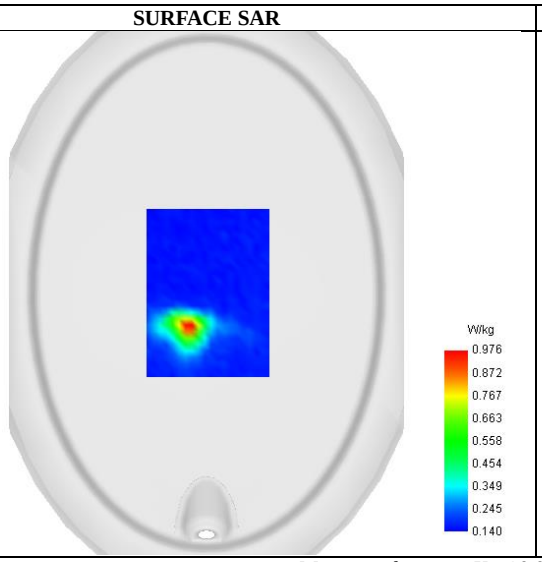
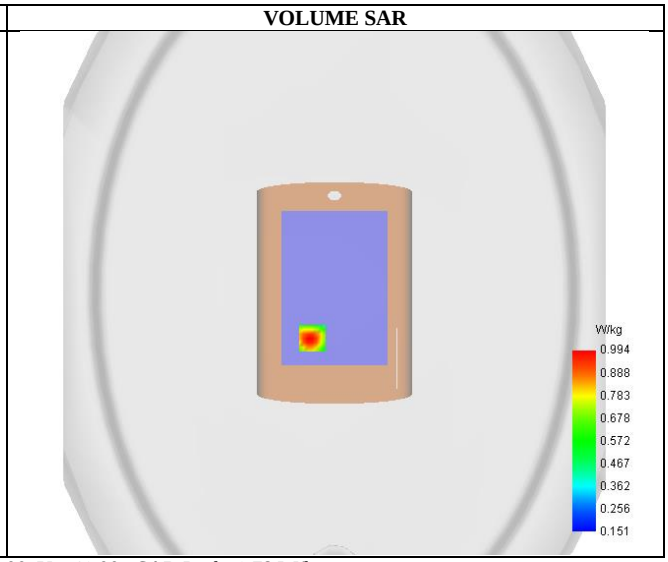
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11ax20 Mid -Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11ax20 Mid -Front /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	Front
Band	5800MHz
Channels	Middle
Signal	Crest factor: 1.0

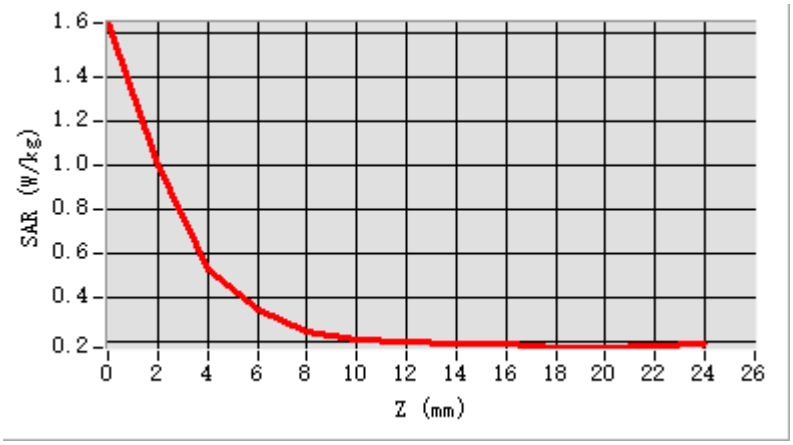
SURFACE SAR	VOLUME SAR
	

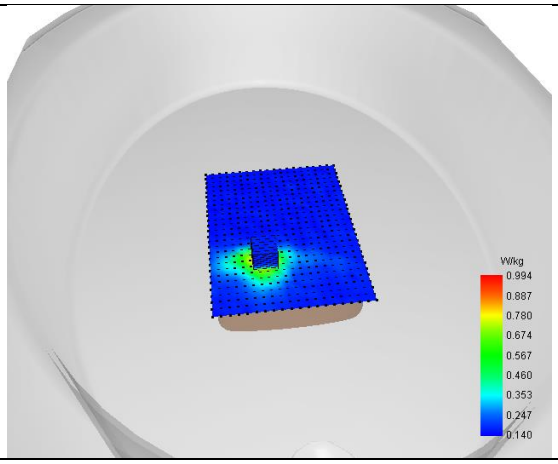
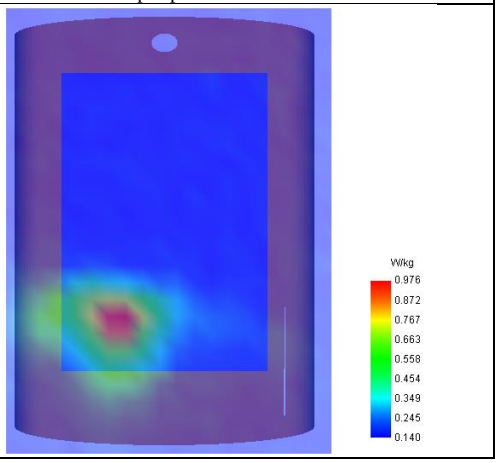
Maximum location: X=-20.00, Y=-41.00 ; SAR Peak: 1.78 W/kg

SAR 10g (W/Kg)	0.282
SAR 1g (W/Kg)	0.530
Variation (%)	4.020
Horizontal validation criteria: minimum distance (mm)	20.000000

Vertical validation criteria: SAR ratio M2/M1 (%)	54.270095

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.642	0.985	0.514	0.342	0.242	0.202	0.191	0.187	0.182	0.165	0.162	0.170



3D screen shot	Hot spot position
	

5.9GHz WIFI- Module WCN6856-ANT1-802.11a
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11a Mid-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.37; Frequency: 5865MHz; Medium parameters used: f = 5750 MHz; σ= 5.41mho/m; εr =32.97; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

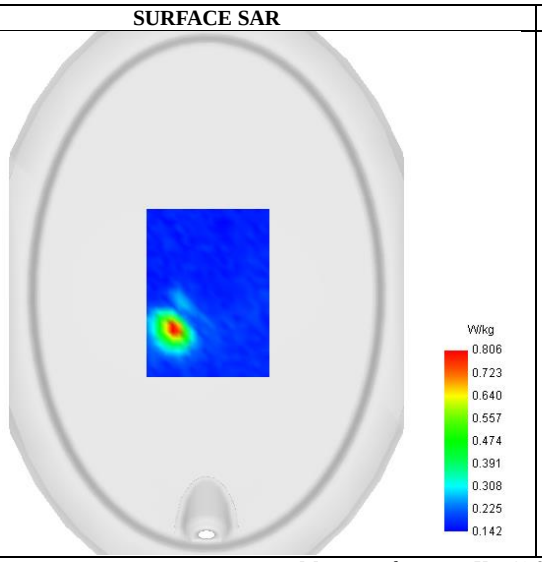
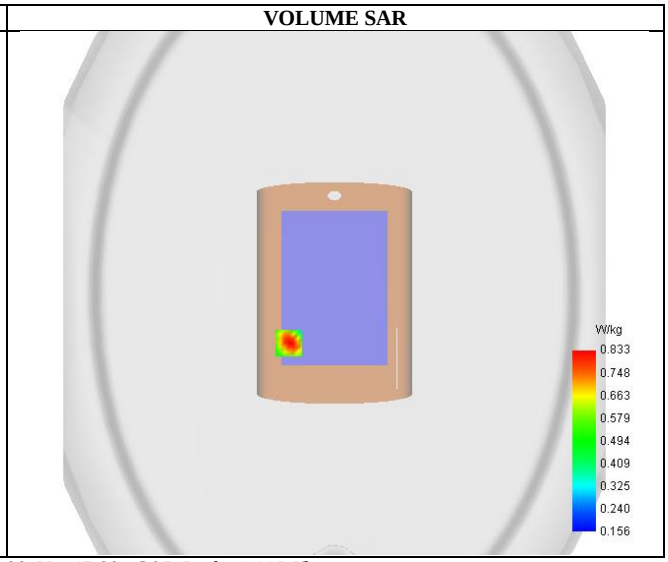
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11a Mid -Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a Mid -Front /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	Front
Band	5900MHz
Channels	Middle
Signal	Crest factor: 1.0

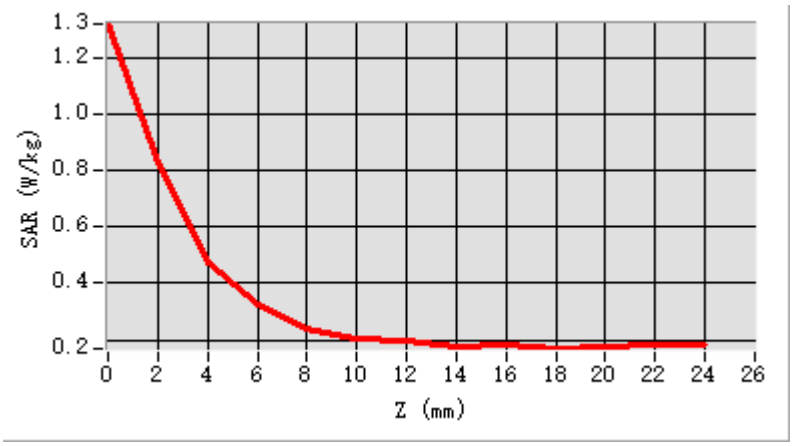
SURFACE SAR	VOLUME SAR
	

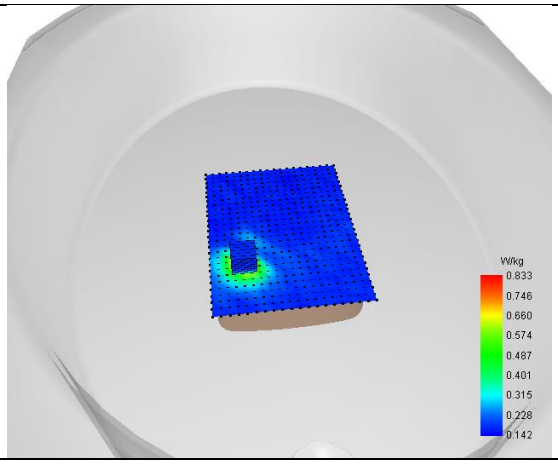
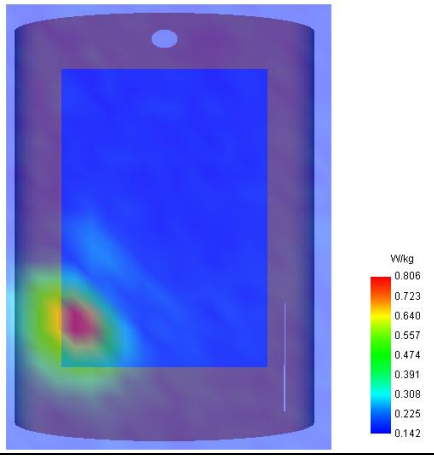
Maximum location: X=-41.00, Y=-45.00 ; SAR Peak: 1.44 W/kg

SAR 10g (W/Kg)	0.298
SAR 1g (W/Kg)	0.563
Variation (%)	4.820

Horizontal validation criteria: minimum distance (mm)	14.421025
Vertical validation criteria: SAR ratio M2/M1 (%)	56.780034

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.306	0.824	0.473	0.314	0.242	0.208	0.194	0.171	0.180	0.162	0.175	0.178



3D screen shot	Hot spot position
	

5.9GHz WIFI- Module WCN6856-ANT2-802.11a
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11a Mid-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 1:1; Conv.F=1.37; Frequency: 5865MHz; Medium parameters used: f = 5750 MHz; σ= 5.41mho/m; εr =32.97; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

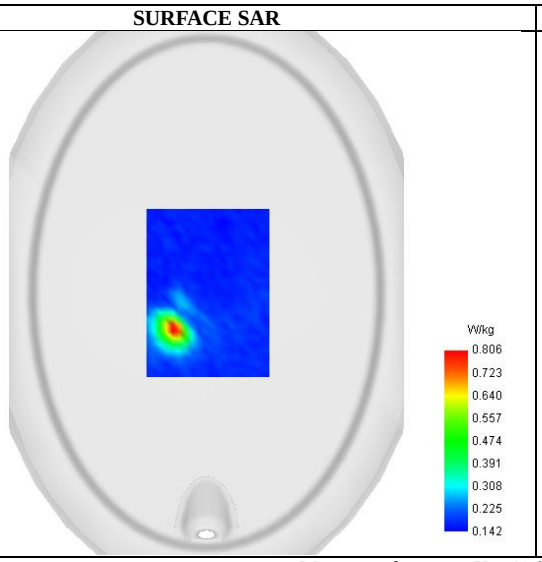
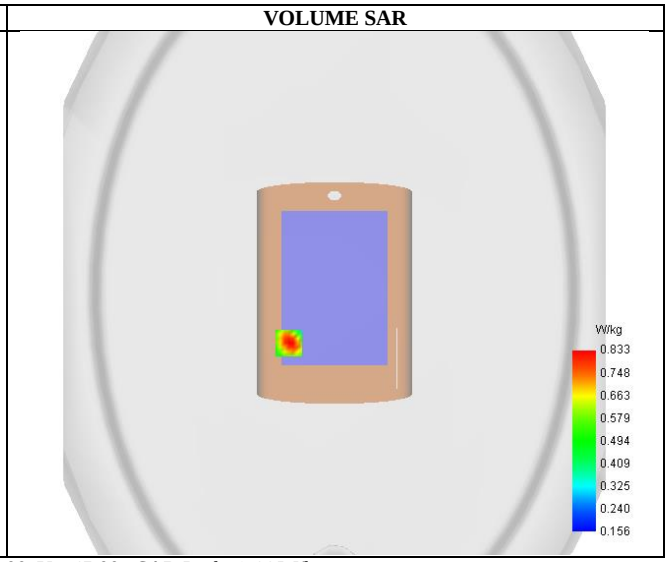
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11a Mid -Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11a Mid -Front /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	Front
Band	5900MHz
Channels	Middle
Signal	Crest factor: 1.0

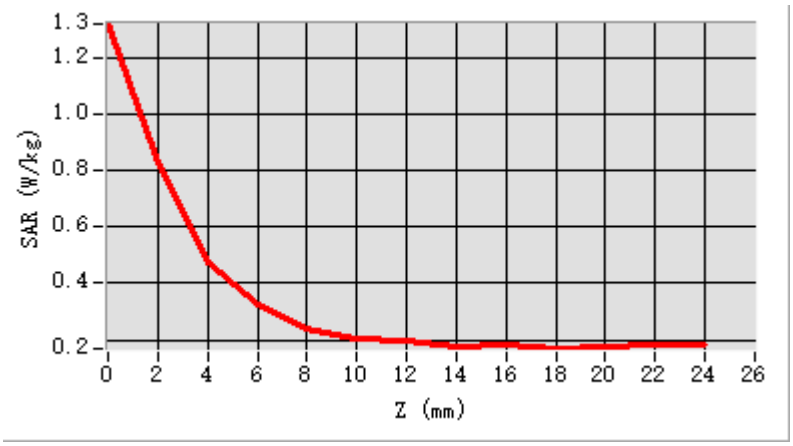
SURFACE SAR	VOLUME SAR
	

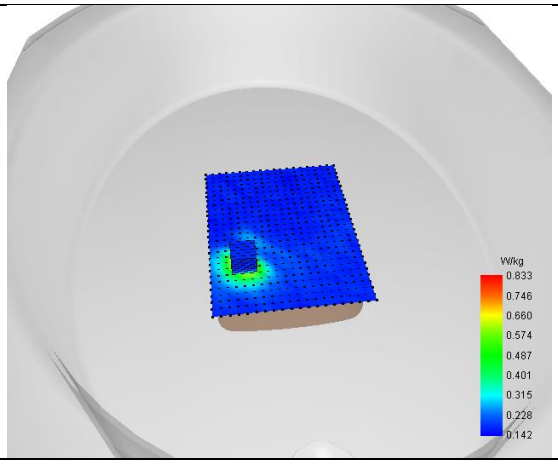
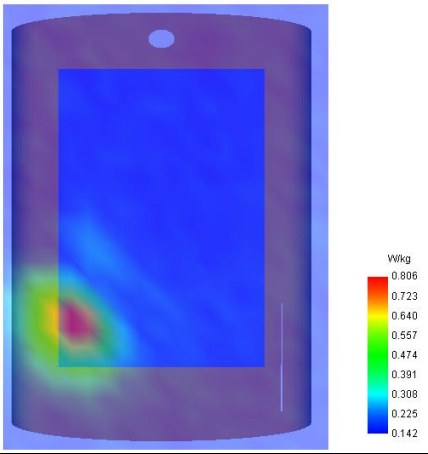
Maximum location: X=-41.00, Y=-45.00 ; SAR Peak: 1.44 W/kg

SAR 10g (W/Kg)	0.311
SAR 1g (W/Kg)	0.642
Variation (%)	4.857

Horizontal validation criteria: minimum distance (mm)	14.423028
Vertical validation criteria: SAR ratio M2/M1 (%)	56.781592

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.324	0.835	0.476	0.328	0.251	0.203	0.194	0.181	0.192	0.164	0.172	0.178



3D screen shot	Hot spot position
	

5.9GHz WIFI- Module WCN6856-ANT1-802.11ax20
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11ax80 Mid-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11ax80; Duty Cycle: 1:1; Conv.F=1.37; Frequency: 5855MHz; Medium parameters used: f = 5750 MHz; σ= 5.39mho/m; εr =33.62; ρ= 1000 kg/m³ ; Phantom section: Flat Section

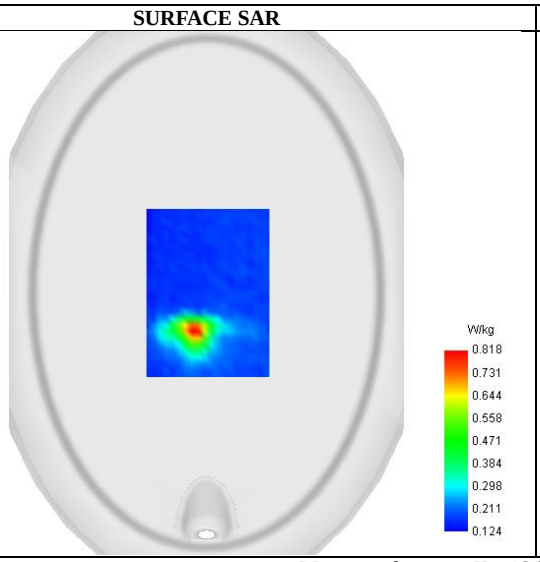
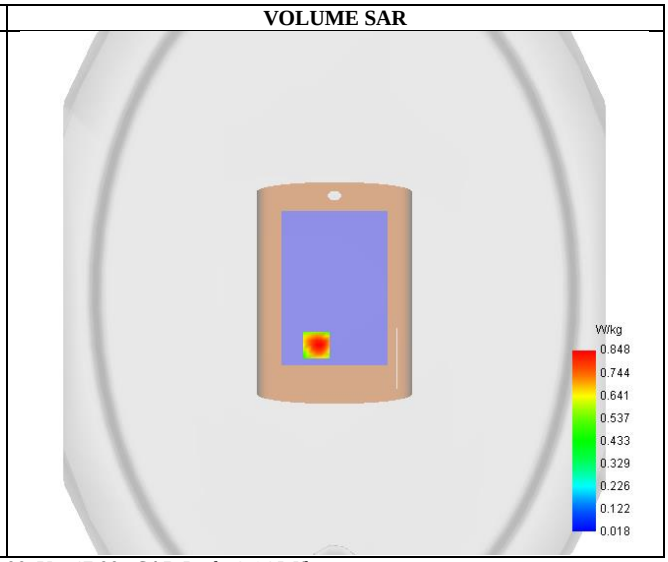
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11ax80 Mid -Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11ax80 Mid -Front /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	Front
Band	5800MHz
Channels	Middle
Signal	Crest factor: 1.0

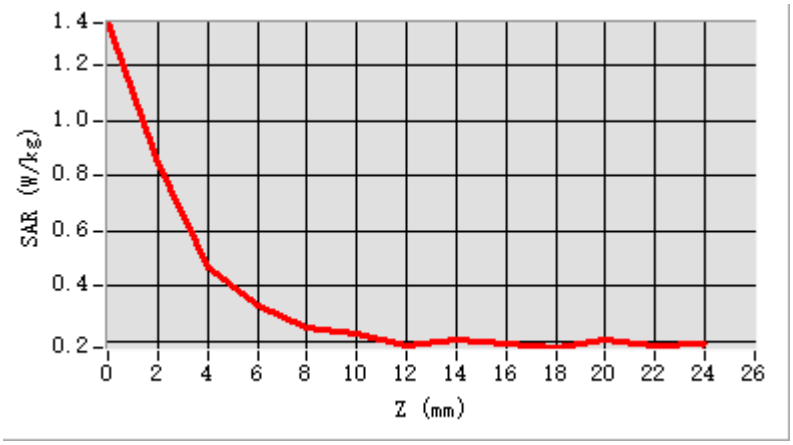
SURFACE SAR	VOLUME SAR
	

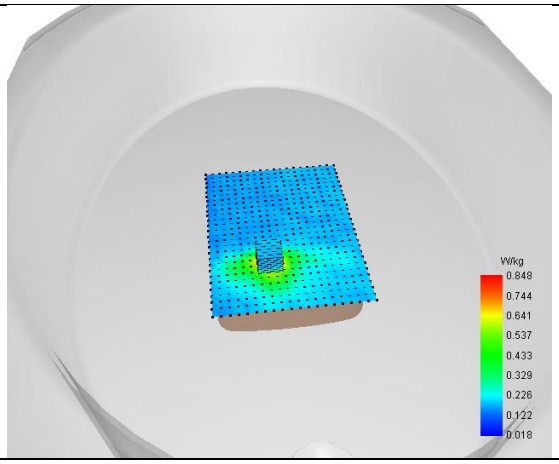
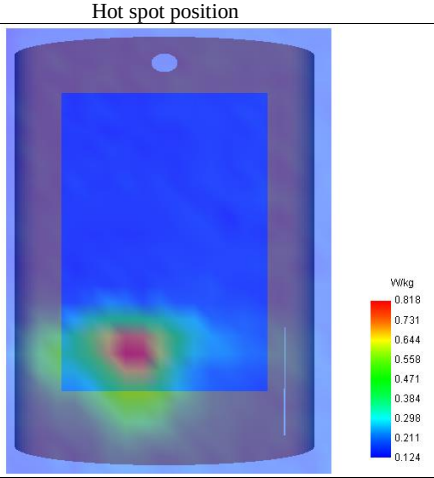
Maximum location: X=-16.00, Y=-47.00 ; SAR Peak: 2.14 W/kg

SAR 10g (W/Kg)	0.226
SAR 1g (W/Kg)	0.483
Variation (%)	16.970
Horizontal validation criteria: minimum distance (mm)	14.423515

Vertical validation criteria: SAR ratio M2/M1 (%)	55.100625

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.356	0.852	0.467	0.331	0.245	0.227	0.188	0.204	0.195	0.175	0.204	0.192



3D screen shot	Hot spot position
	

5.9GHz WIFI- Module WCN6856-ANT2-802.11ax80
Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11ax80 Mid-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11ax80; Duty Cycle: 1:1; Conv.F=1.37; Frequency: 5855MHz; Medium parameters used: f = 5750 MHz; σ= 5.39mho/m; εr =33.62; ρ= 1000 kg/m³ ; Phantom section: Flat Section

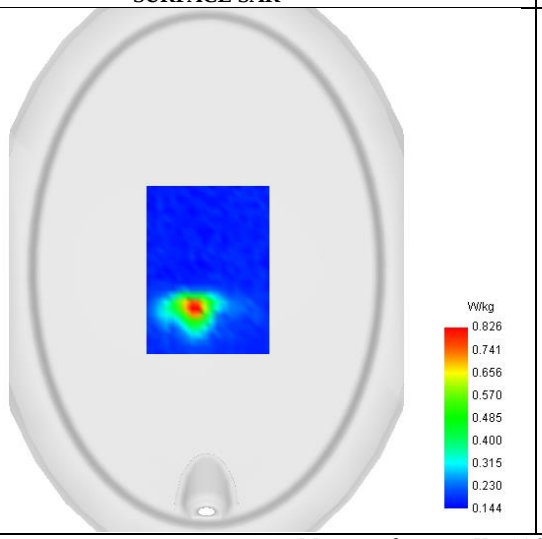
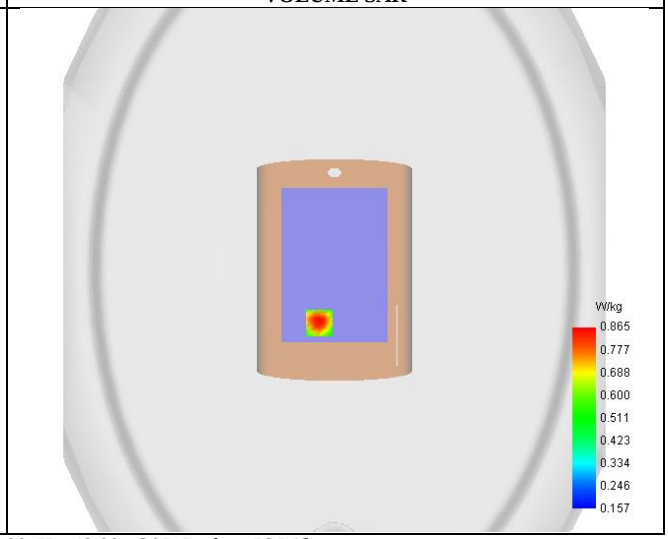
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

Configuration/802.11ax80 Mid -Front /Area Scan: Measurement grid: dx=8mm, dy=8mm
Configuration/802.11ax80 Mid -Front /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	Front
Band	5800MHz
Channels	Middle
Signal	Crest factor: 1.0

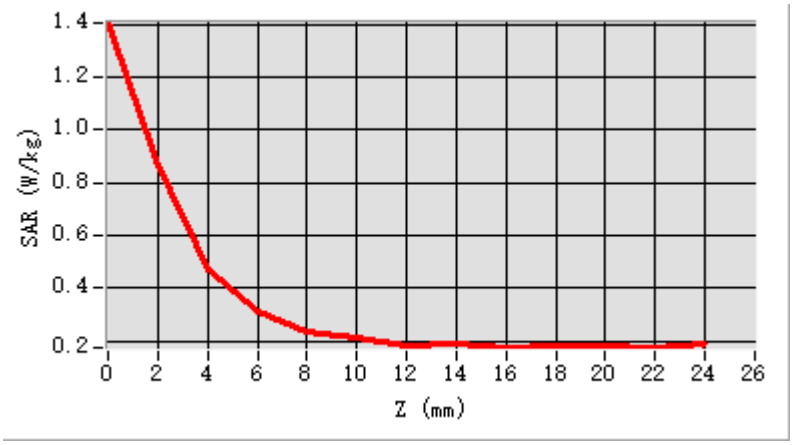
SURFACE SAR	VOLUME SAR
	

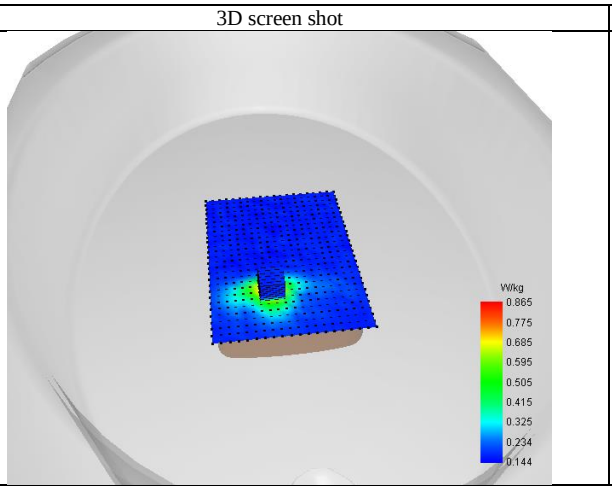
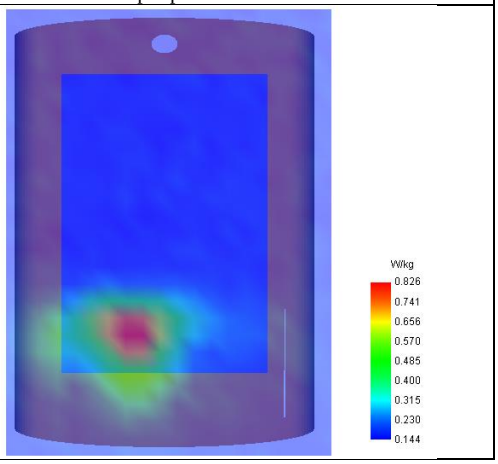
Maximum location: X=-14.00, Y=-48.00 ; SAR Peak: 1.56 W/kg

SAR 10g (W/Kg)	0.279
SAR 1g (W/Kg)	0.502
Variation (%)	-2.940
Horizontal validation criteria: minimum distance (mm)	14.42012

Vertical validation criteria: SAR ratio M2/M1 (%)	56.541952

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.401	0.865	0.442	0.302	0.238	0.202	0.180	0.181	0.173	0.182	0.177	0.168



3D screen shot	Hot spot position
	

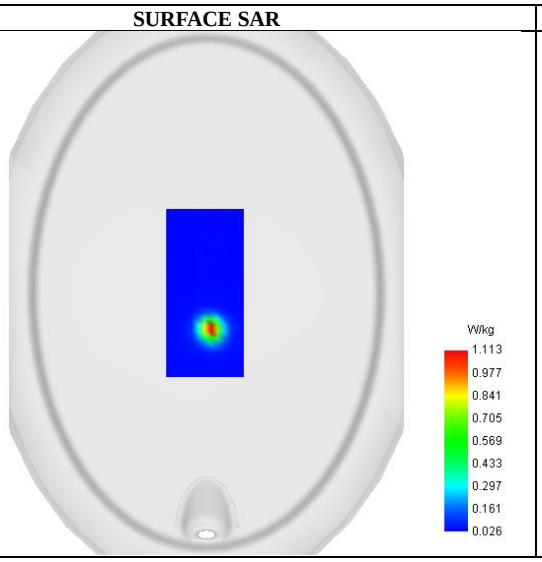
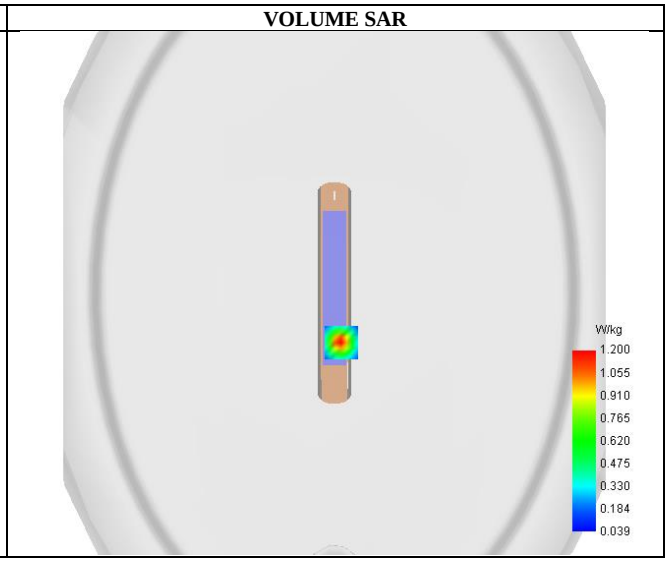
Repeated SAR
Test Laboratory: AGC Lab **Date: Dec. 05, 2024**
802.11b High- Edge 1 (Top)
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

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= 1.80mho/m; εr =37.62; ρ= 1000 kg/m^3 ; Phantom section: Flat Section
Ambient temperature (℃):19.2, Liquid temperature (℃): 19.1

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 V5.3.15.8

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: 1.0

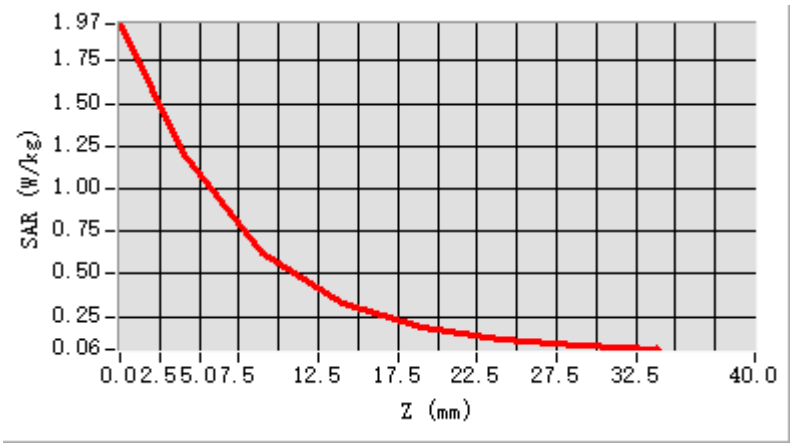
SURFACE SAR	VOLUME SAR
	

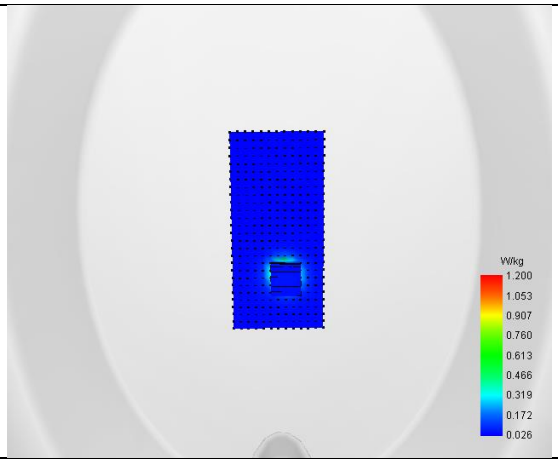
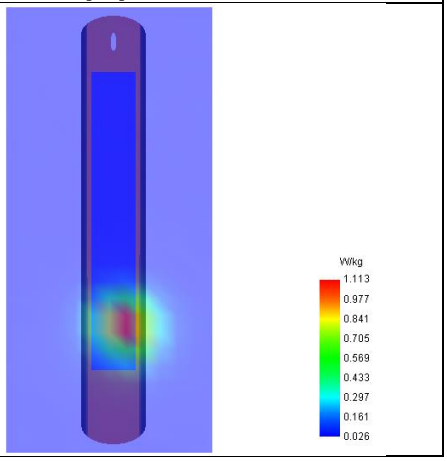
Maximum location: X=6.00, Y=-45.00 ; SAR Peak: 1.97 W/kg

SAR 10g (W/Kg)	0.482
SAR 1g (W/Kg)	1.075
Variation (%)	3.110
Horizontal validation criteria: minimum distance (mm)	11.180281
Vertical validation criteria: SAR ratio M2/M1 (%)	51.713625

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00

SAR (W/Kg)	1.962	1.200	0.621	0.325	0.180	0.112	0.062



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11a High-Back
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 93%; Conv.F=1.37; Frequency: 5825MHz; Medium parameters used: f = 5750 MHz; σ= 5.36mho/m; εr =33.82; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

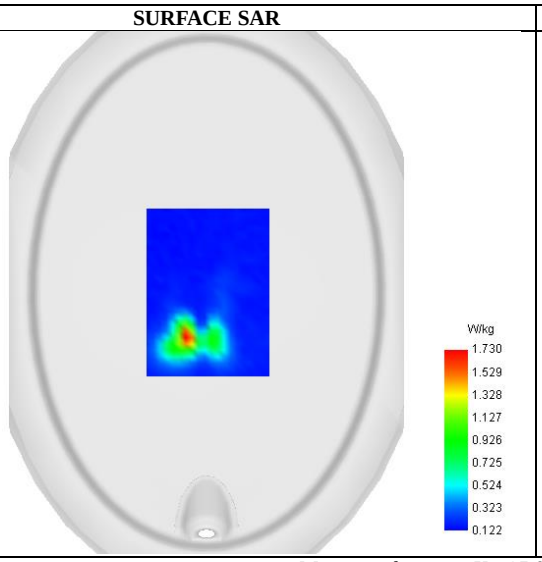
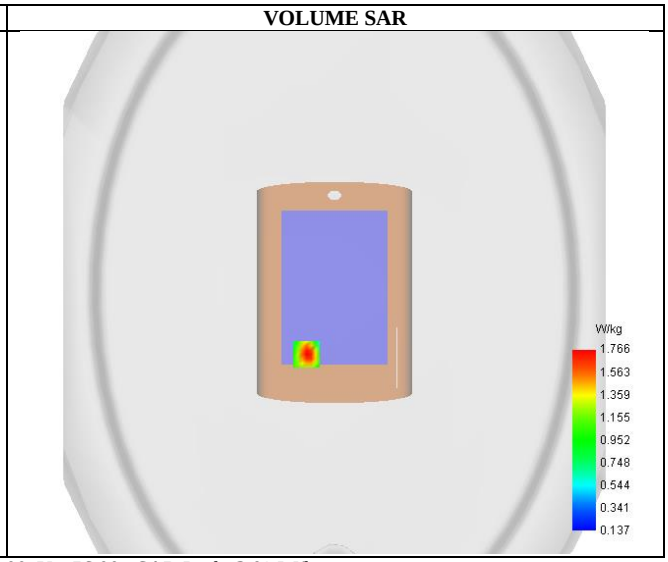
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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

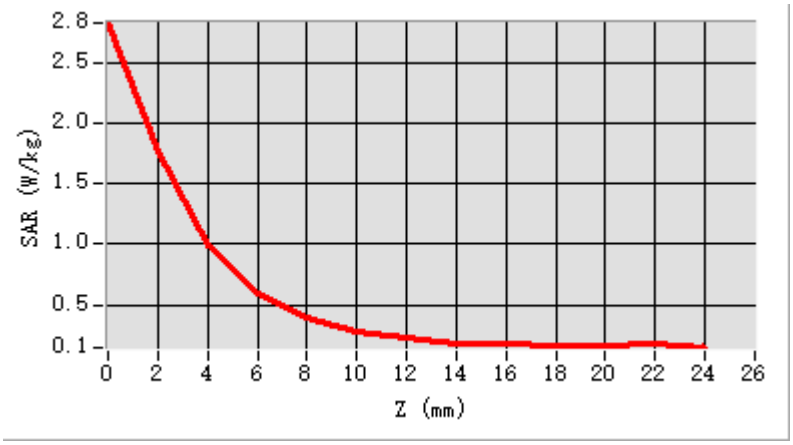
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Back
Band	5800MHz
Channels	High
Signal	Crest factor: 1.0

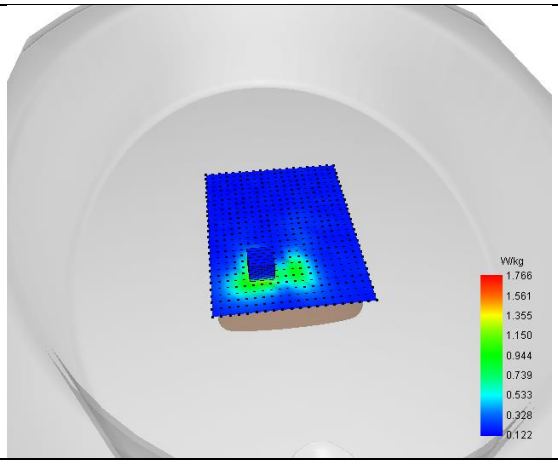
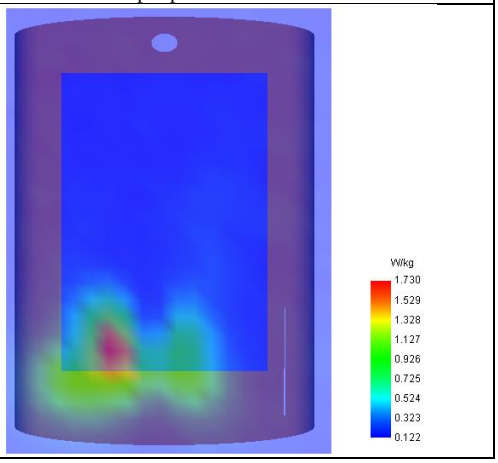
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-25.00, Y=-56.00 ; SAR Peak: 3.02 W/kg

SAR 10g (W/Kg)	0.517
SAR 1g (W/Kg)	1.126
Variation (%)	-3.732
Horizontal validation criteria: minimum distance (mm)	12.648536
Vertical validation criteria: SAR ratio M2/M1 (%)	56.007105

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)	2.824	1.762	0.986	0.591	0.394	0.275	0.227	0.180	0.172	0.169	0.161	0.171



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Dec. 07, 2024**
802.11a High-Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 93%; Conv.F=1.37; Frequency: 5825MHz; Medium parameters used: f = 5750 MHz; σ= 5.36mho/m; εr =33.82; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

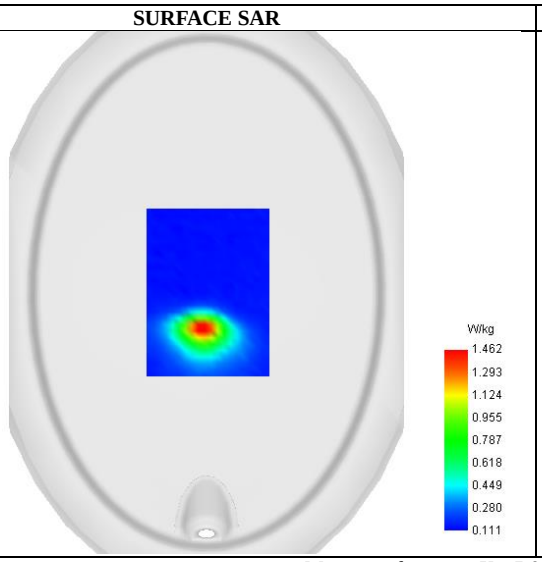
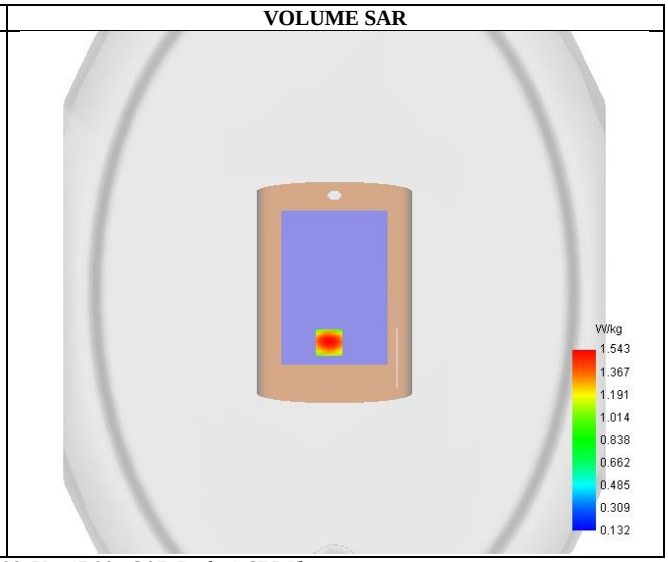
Ambient temperature (℃): 20.9, Liquid temperature (℃): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: Apr. 30, 2024; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELLI39 Phantom
- Measurement SW: OpenSAR V5.3.15.8

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

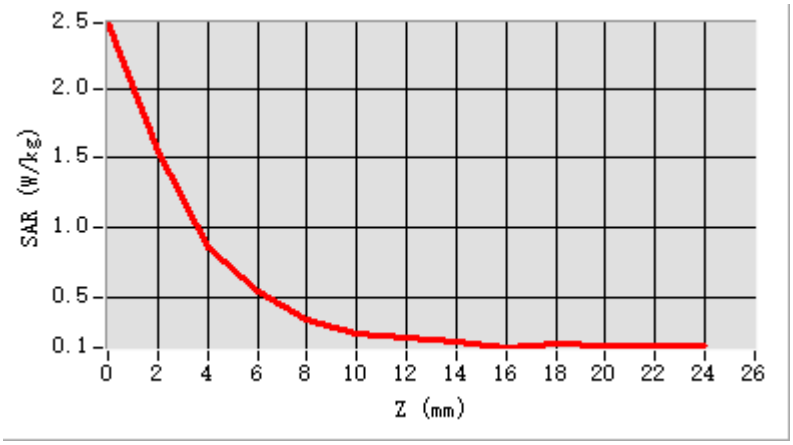
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Front
Band	5800MHz
Channels	High
Signal	Crest factor: 1.0

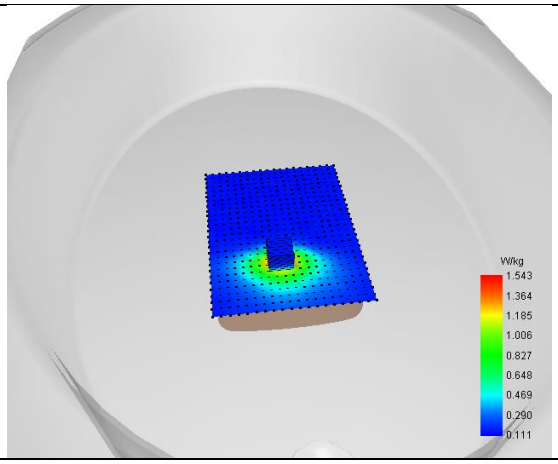
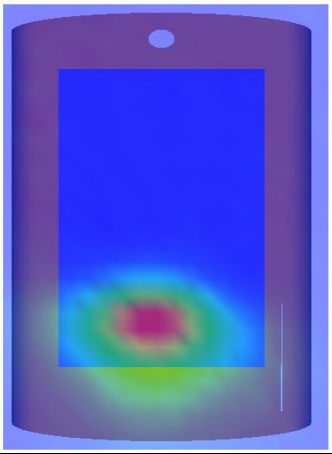
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-5.00, Y=-45.00 ; SAR Peak: 2.67 W/kg

SAR 10g (W/Kg)	0.493
SAR 1g (W/Kg)	1.014
Variation (%)	-2.495
Horizontal validation criteria: minimum distance (mm)	16.970952
Vertical validation criteria: SAR ratio M2/M1 (%)	55.635142

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)	2.472	1.544	0.852	0.538	0.344	0.245	0.202	0.171	0.144	0.162	0.152	0.152



3D screen shot	Hot spot position
	

Test Laboratory: AGC Lab **Date: Dec. 06, 2024**
802.11a CH48- Front
DUT: NEXT LEVEL DIAGNOSTICS & MEASUREMENT SYSTEM; Type: MaxiSys Ultra S2

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 93%; Conv.F=1.53; Frequency: 5240MHz; Medium parameters used: f = 5250 MHz; σ= 4.69mho/m; εr =33.86; ρ= 1000 kg/m^3 ; Phantom section: Flat Section

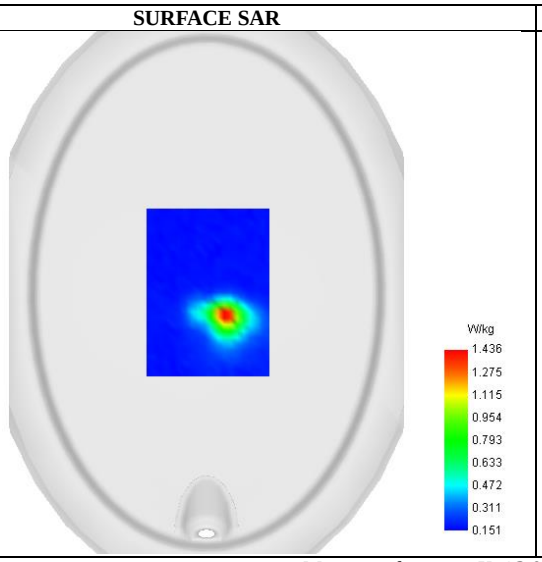
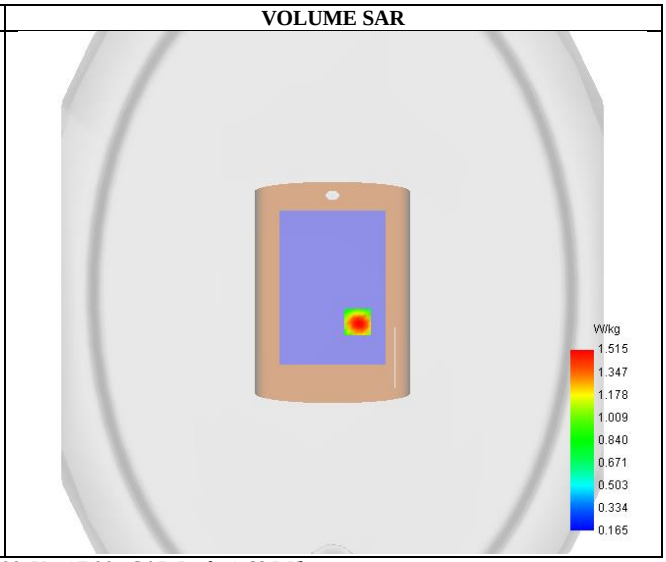
Ambient temperature (℃): 21.2, Liquid temperature (℃): 20.8

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 V5.3.15.8

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

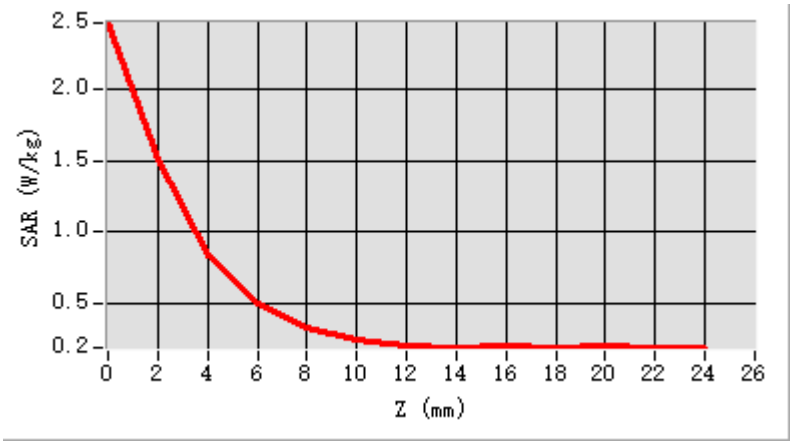
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	7x7x12 dx=4mm dy=4mm dz=2mm
Phantom	ELLI
Device Position	Front
Band	5200MHz
Channels	CH48
Signal	Crest factor: 1.0

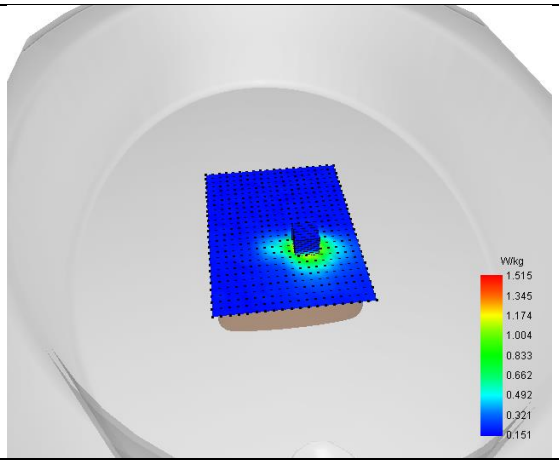
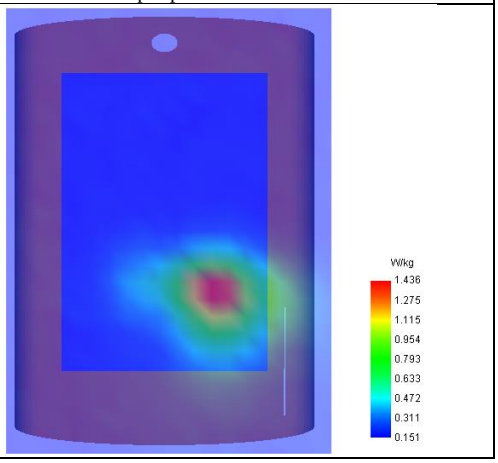
SURFACE SAR	VOLUME SAR
	

Maximum location: X=23.00, Y=-27.00 ; SAR Peak: 2.68 W/kg

SAR 10g (W/Kg)	0.477
SAR 1g (W/Kg)	1.000
Variation (%)	-2.180
Horizontal validation criteria: minimum distance (mm)	16.970563
Vertical validation criteria: SAR ratio M2/M1 (%)	54.764302

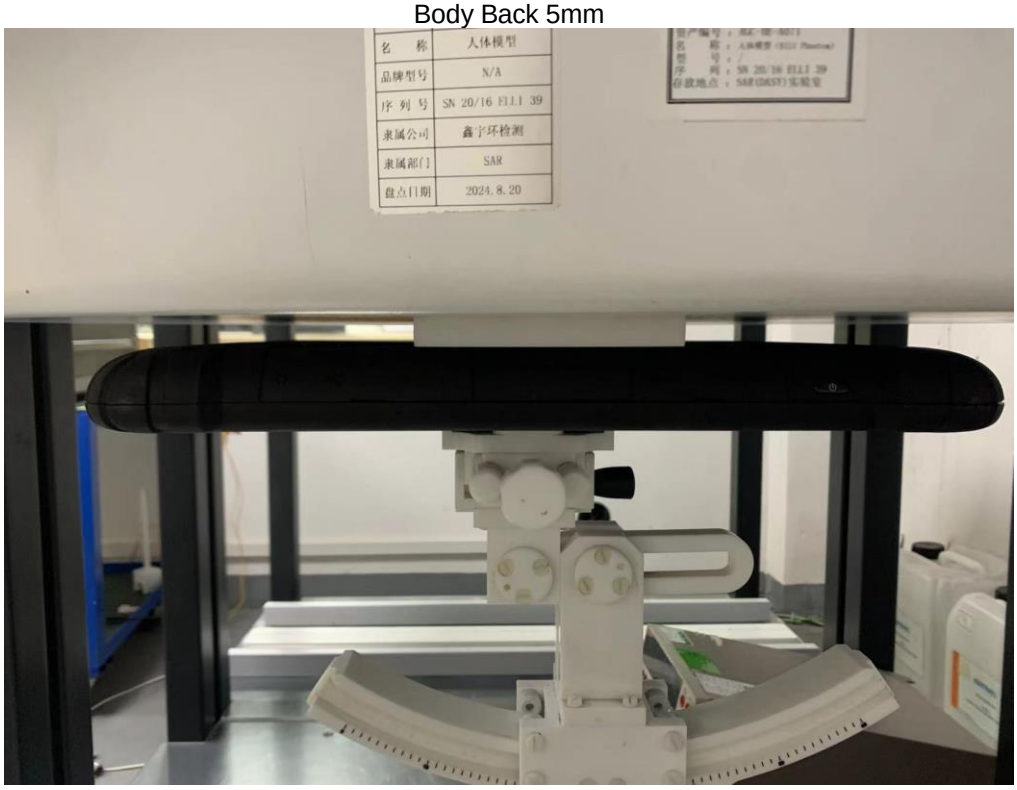
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	2.468	1.515	0.830	0.491	0.332	0.242	0.199	0.188	0.201	0.188	0.200	0.189



3D screen shot	Hot spot position
	

APPENDIX C. TEST SETUP PHOTOGRAPHS

Body Back 5mm



Body Front 5mm

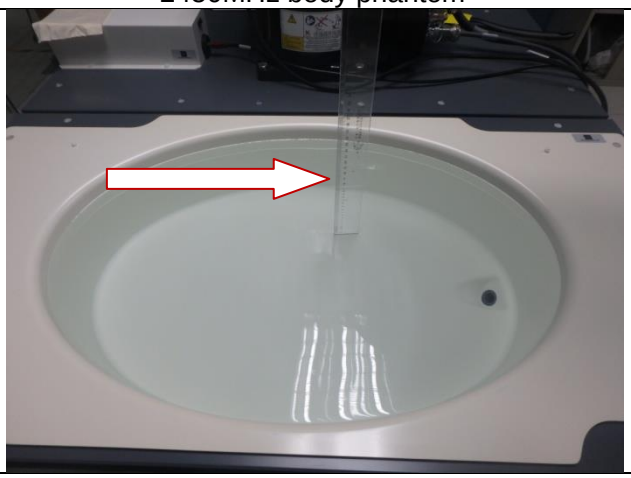
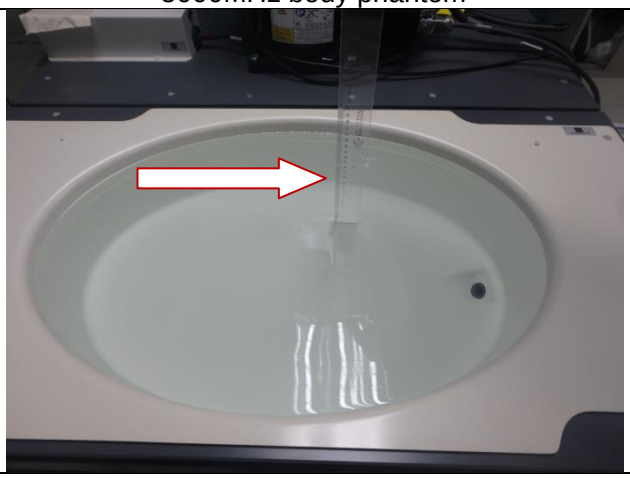
Edge 1 (Top) 5mm

Edge 2 (Right) 5mm

Edge 4 (Left) 5mm

DEPTH OF THE LIQUID IN THE PHANTOM—ZOOM IN

Note：The position used in the measurement were according to IEEE Std. 1528:2013

2450MHz body phantom	5000MHz body phantom
	

APPENDIX D. CALIBRATION DATA

Refer to Attached files.

----END OF REPORT----

Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3.The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.