

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

Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

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

**Test Laboratory: AGC Lab**  
**LTE Band 17 Mid-Body-Back with all accessories (1 RB#0)**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 14, 2024**

Communication System: LTE; Communication System Band: LTE Band 17; Duty Cycle:1:1; Conv.F=1.95;  
 Frequency: 710 MHz; Medium parameters used:  $f = 750$  MHz;  $\sigma=0.90$  mho/m;  $\epsilon_r =43.26$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section  
 Ambient temperature (°C): 20.6, Liquid temperature (°C): 20.2

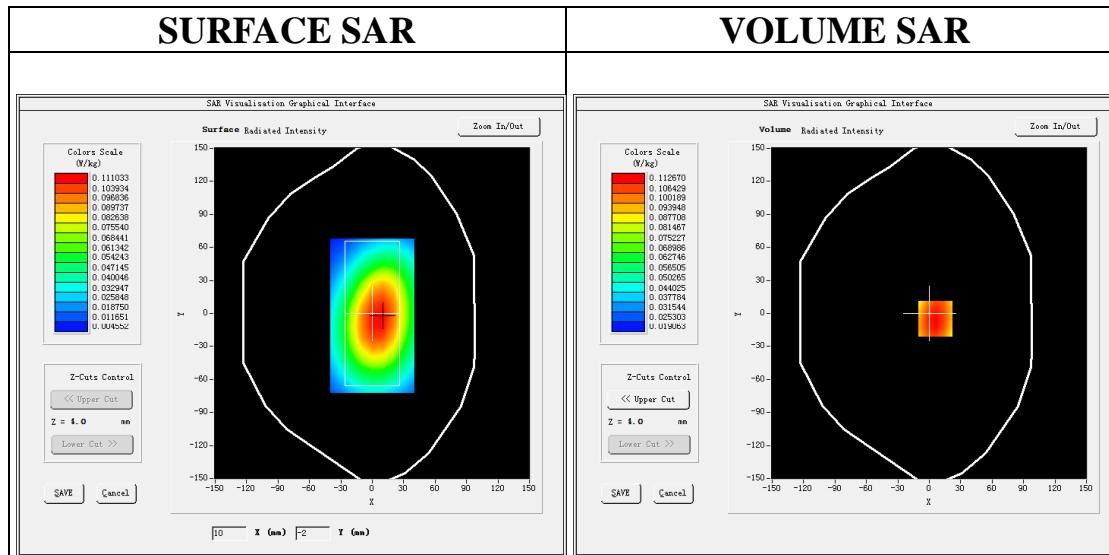
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ LTE Band 17 Mid-Body-Back with all accessories/Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/ LTE Band 17 Mid-Body-Back with all accessories/Zoom Scan:** Measurement grid: dx=8mm,dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>Zoom Scan</b>	5x5x7,dx=8mm dy=8mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body-Back with all accessories
<b>Band</b>	LTE Band 17
<b>Channels</b>	Middle
<b>Signal</b>	OFDM (Crest factor: 1.0)



**Maximum location: X=6.00, Y=-5.00**  
**SAR Peak: 0.14 W/kg**

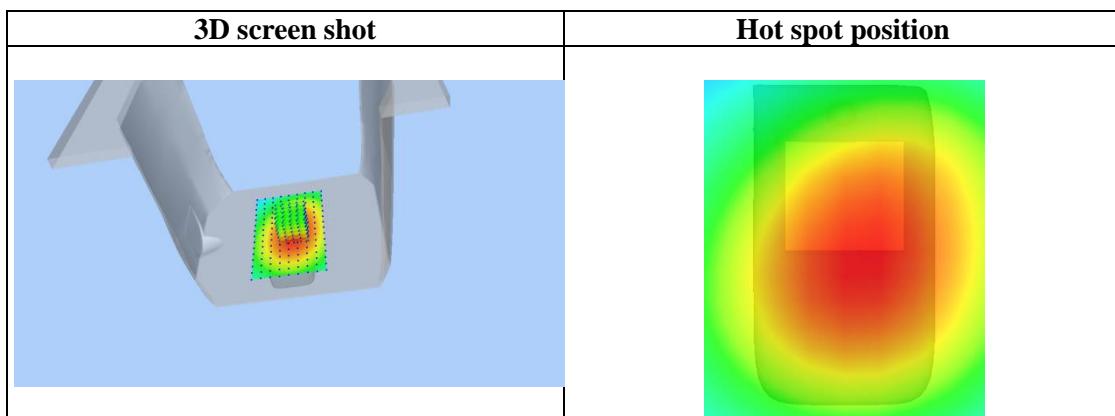
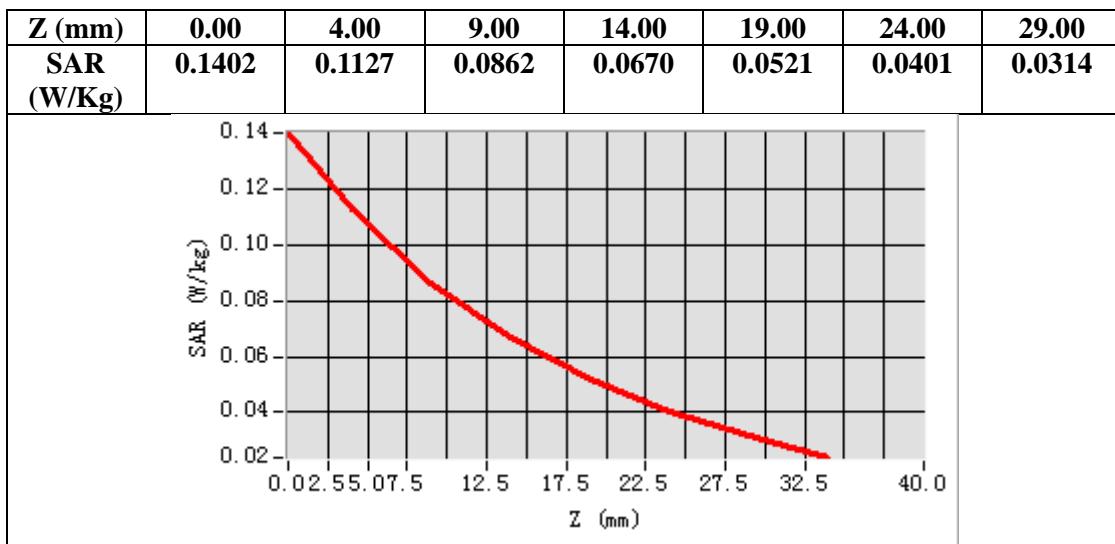
<b>SAR 10g (W/Kg)</b>	0.082058
<b>SAR 1g (W/Kg)</b>	0.111579

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**Test Laboratory: AGC Lab**  
**LTE Band 38 Mid-Face Up 2.5cm (1RB#0)**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 09, 2024**

Communication System: LTE; Communication System Band: LTE Band 38; Duty Cycle:1:1.58; Conv.F=2.13  
 Frequency: 2595MHz; Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 39.63$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section  
 Ambient temperature (°C): 21.2, Liquid temperature (°C): 20.9

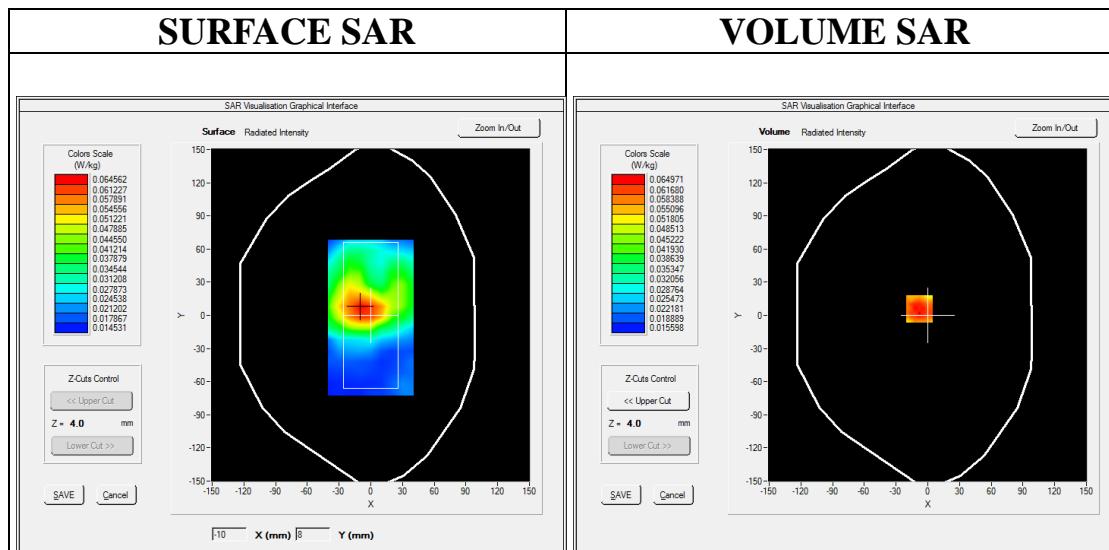
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ LTE BAND 38 Mid-Face Up 2.5cm /Area Scan:** Measurement grid: dx=10mm, y=10mm

**Configuration/ LTE BAND 38 Mid-Face Up 2.5cm /Zoom Scan:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>ZoomScan</b>	7x7x7,dx=5mm dy=5mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Face Up 2.5cm
<b>Band</b>	LTE BAND 38
<b>Channels</b>	Middle
<b>Signal</b>	Crest factor: 1.58



**Maximum location: X=-8.00, Y=6.00**  
**SAR Peak: 0.12 W/kg**

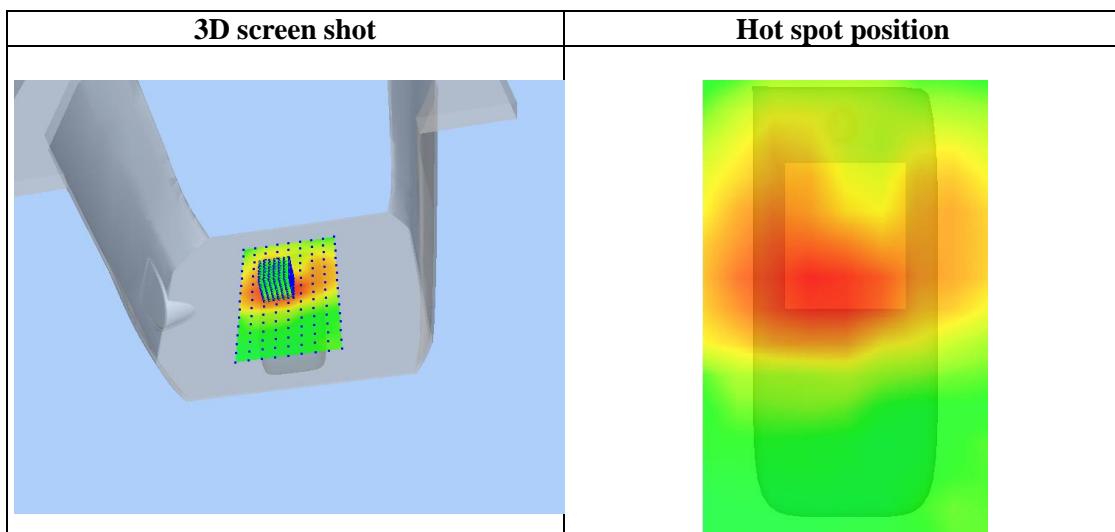
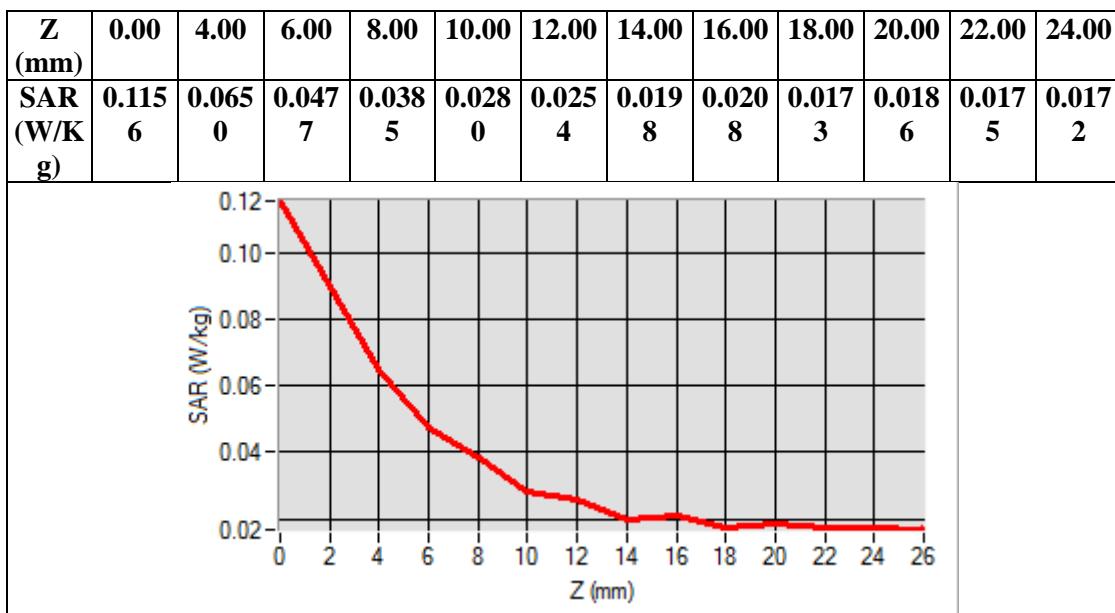
<b>SAR 10g (W/Kg)</b>	0.038427
<b>SAR 1g (W/Kg)</b>	0.061834

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**Test Laboratory: AGC Lab**  
**LTE Band 38 Mid-Body-Back with all accessories (1RB#0)**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 09, 2024**

Communication System: LTE; Communication System Band: LTE Band 38; Duty Cycle:1:1.58; Conv.F=2.13  
 Frequency: 2595MHz; Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 39.63$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section  
 Ambient temperature (°C): 21.2, Liquid temperature (°C): 20.9

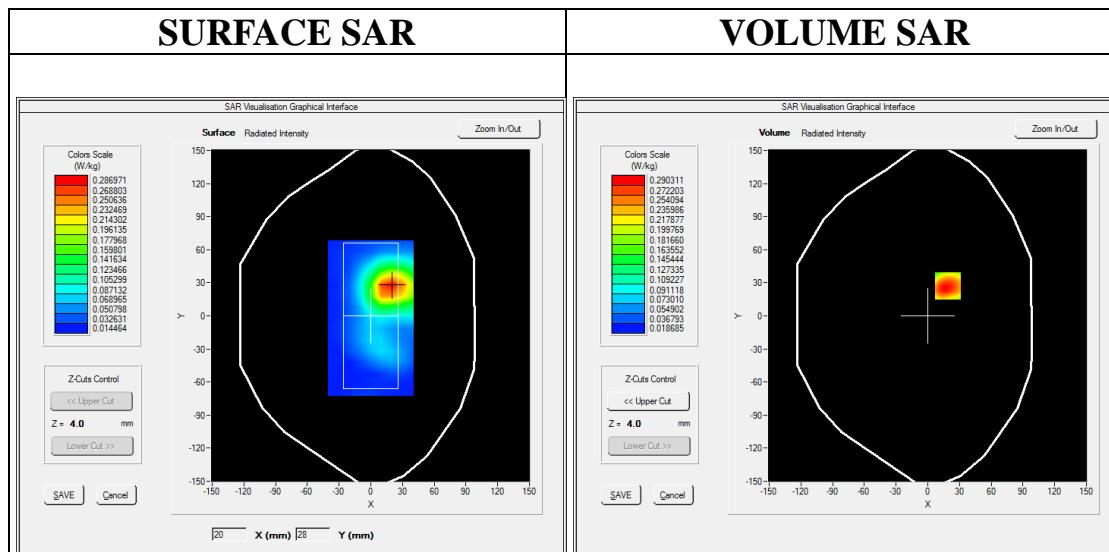
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ LTE BAND 38 Mid-Body-Back with all accessories /Area Scan:** Measurement grid: dx=10mm, y=10mm

**Configuration/ LTE BAND 38 Mid-Body-Back with all accessories /Zoom Scan:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>ZoomScan</b>	7x7x7,dx=5mm dy=5mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body-Back with all accessories
<b>Band</b>	LTE BAND 38
<b>Channels</b>	Middle
<b>Signal</b>	Crest factor: 1.58



**Maximum location: X=19.00, Y=27.00**  
**SAR Peak: 0.52 W/kg**

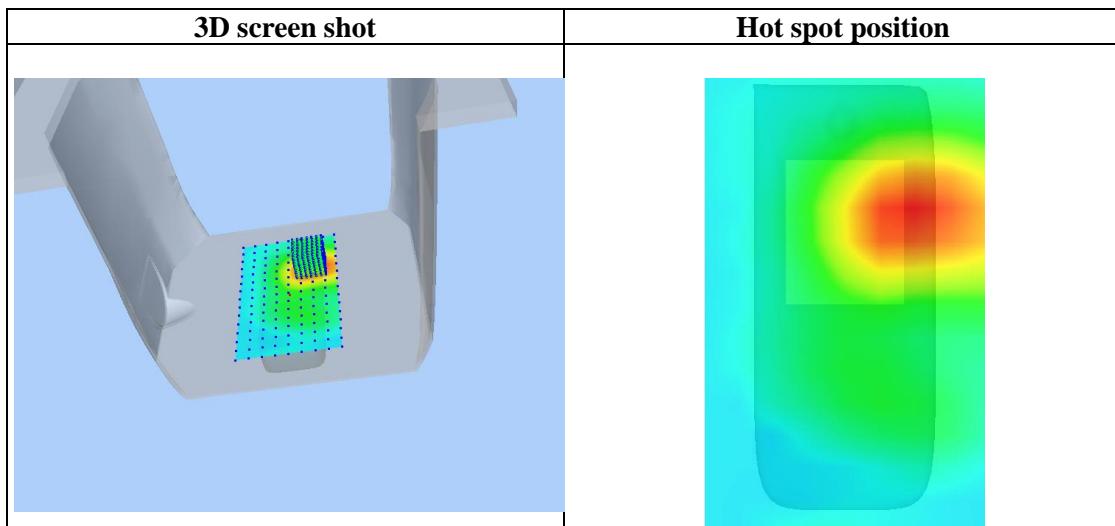
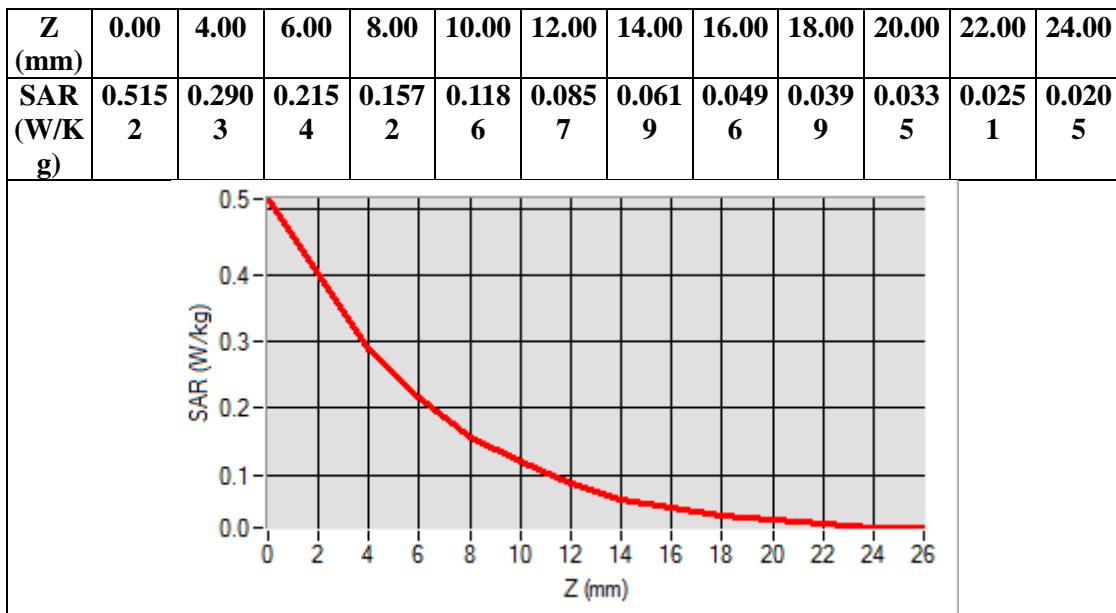
<b>SAR 10g (W/Kg)</b>	0.141080
<b>SAR 1g (W/Kg)</b>	0.277134

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**Test Laboratory: AGC Lab**
**LTE Band 40- Lower Side Mid-Face Up 2.5cm (1 RB#0)**
**DUT: 4G LTE IP Radio; Type: IP-66**
**Date: Mar. 15, 2024**

 Communication System: LTE; Communication System Band: LTE Band 40-Upper Side; Duty Cycle:1:1.58;  
 Conv.F=2.33

 Frequency: 2310 MHz; Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.68$  mho/m;  $\epsilon_r = 38.10$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.5

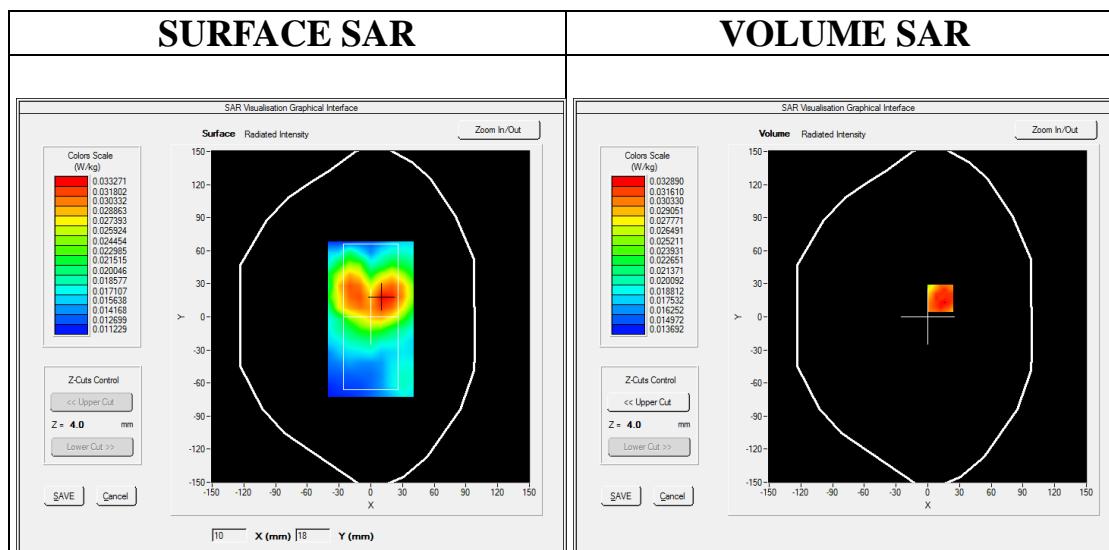
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ LTE Band 40- Lower Side Mid-Face Up 2.5cm/Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/ LTE Band 40- Lower Side Mid-Face Up 2.5cm/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>Zoom Scan</b>	7x7x7,dx=5mm dy=5mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Face Up 2.5cm
<b>Band</b>	LTE Band 40- Lower Side
<b>Channels</b>	Middle
<b>Signal</b>	Crest factor: 1.58


**Maximum location: X=12.00, Y=17.00**
**SAR Peak: 0.05 W/kg**

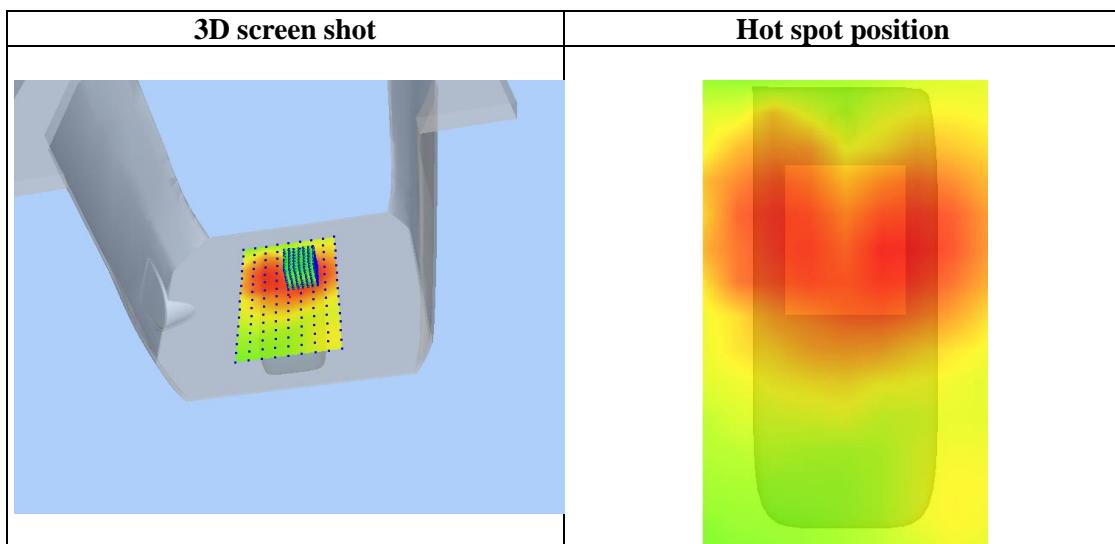
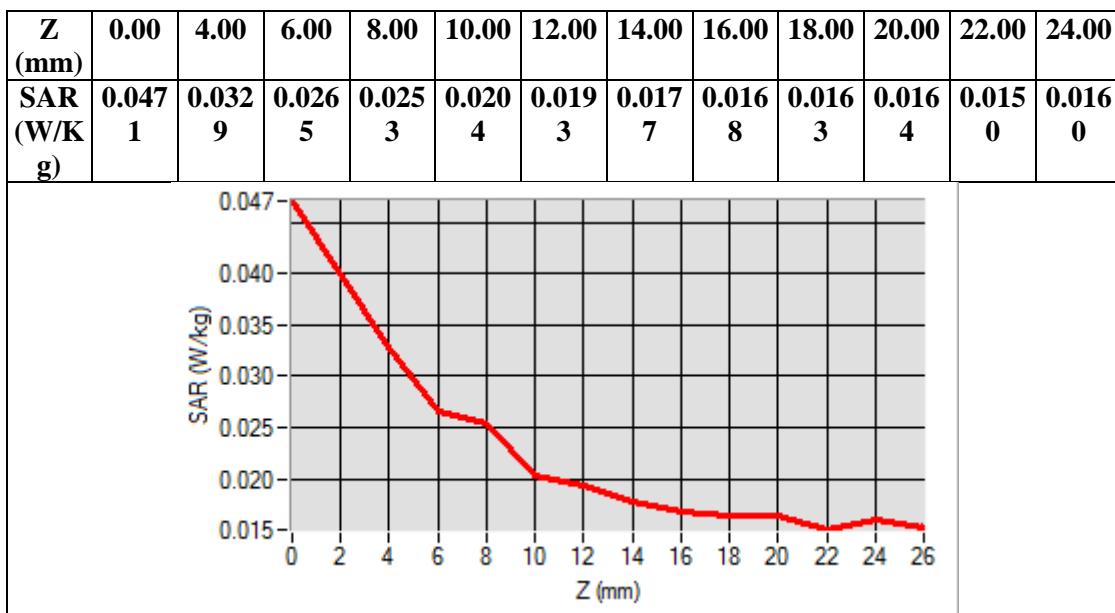
<b>SAR 10g (W/Kg)</b>	0.023460
<b>SAR 1g (W/Kg)</b>	0.031314

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**Test Laboratory: AGC Lab**
**Date: Mar. 15, 2024**
**LTE Band 40- Lower Side Mid-Body-Back with all accessories (1 RB#0)**
**DUT: 4G LTE IP Radio; Type: IP-66**

 Communication System: LTE; Communication System Band: LTE Band 40-Upper Side; Duty Cycle:1:1.58;  
 Conv.F=2.33

 Frequency: 2310 MHz; Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.68$  mho/m;  $\epsilon_r = 38.10$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;

Phantom section: Flat Section

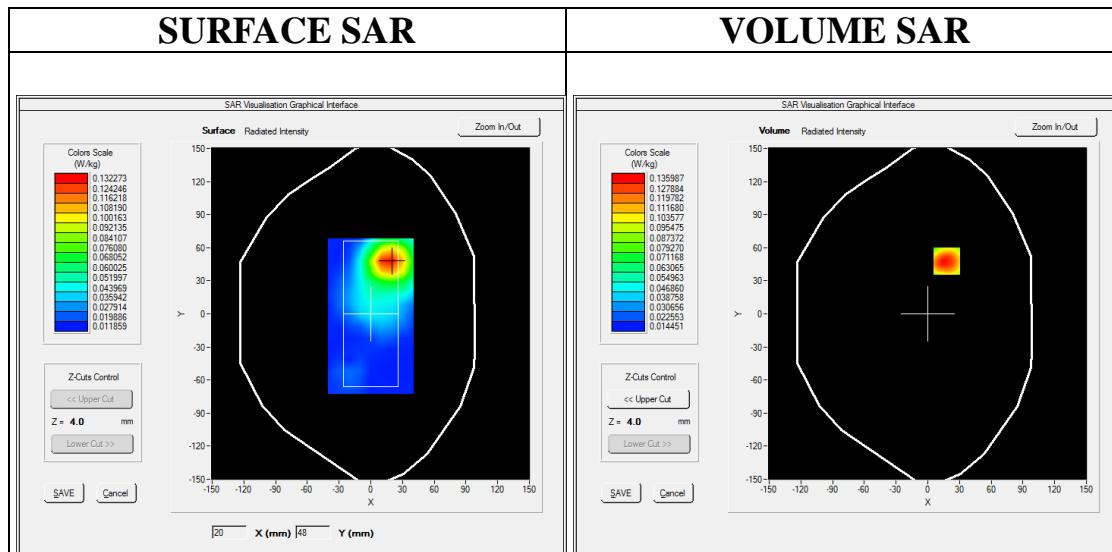
Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ LTE Band 40- Lower Side Mid-Body-Back with all accessories/Area Scan:** Measurement grid:  
 $dx=8mm$ ,  $dy=8mm$ 
**Configuration/ LTE Band 40- Lower Side Mid-Body-Back with all accessories/Zoom Scan:** Measurement grid:  
 $dx=8mm$ ,  $dy=8mm$ ,  $dz=5mm$ ;

<b>Area Scan</b>	surf_sam_plan.txt, $h= 5.00$ mm
<b>Zoom Scan</b>	$7x7x7, dx=5mm dy=5mm dz=5mm$
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body-Back with all accessories
<b>Band</b>	LTE Band 40- Lower Side
<b>Channels</b>	Middle
<b>Signal</b>	Crest factor: 1.58


**Maximum location: X=18.00, Y=48.00**
**SAR Peak: 0.23 W/kg**

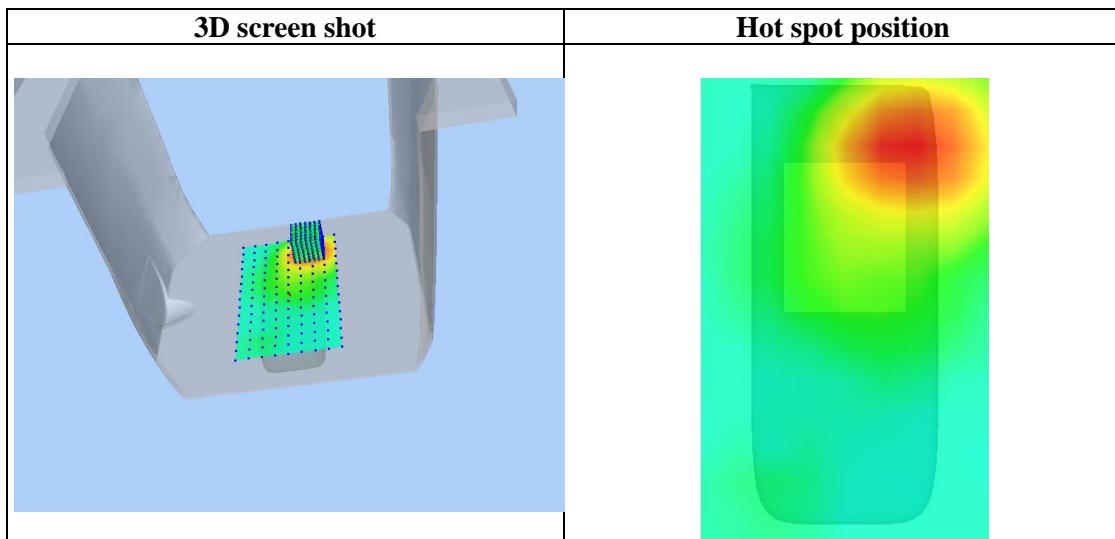
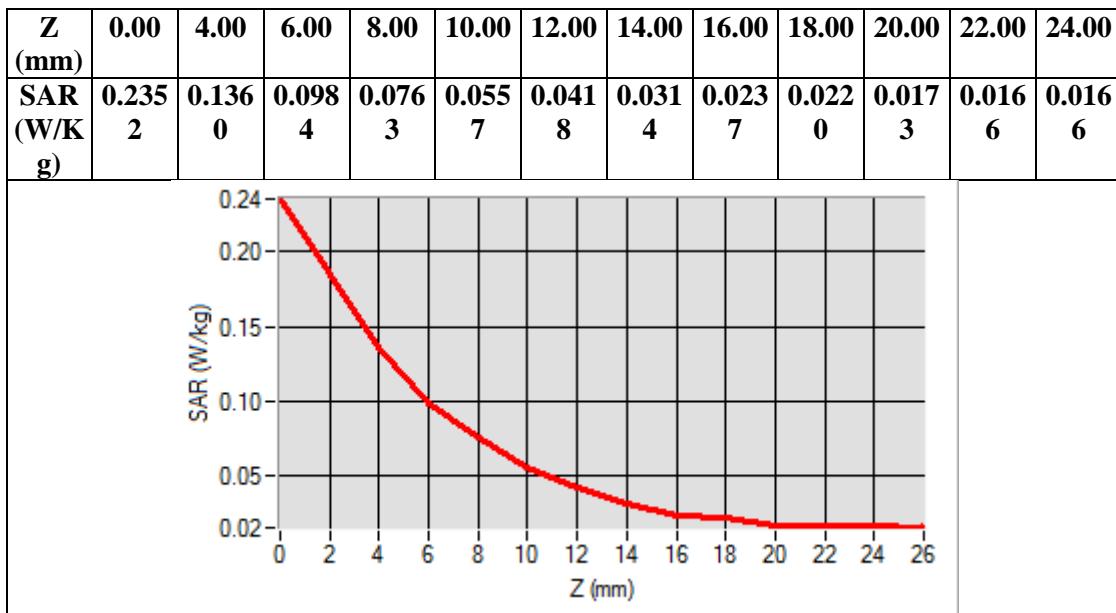
<b>SAR 10g (W/Kg)</b>	0.066726
<b>SAR 1g (W/Kg)</b>	0.126928

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**Test Laboratory: AGC Lab**
**Date: Mar. 15, 2024**
**LTE Band 40-Upper Side Mid-Face Up 2.5cm (1 RB#0)**
**DUT: 4G LTE IP Radio; Type: IP-66**

Communication System: LTE; Communication System Band: LTE Band 40-Upper Side; Duty Cycle: 1:1.58; Conv.F=2.33

 Frequency: 2355 MHz; Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.70$  mho/m;  $\epsilon_r = 37.96$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.5

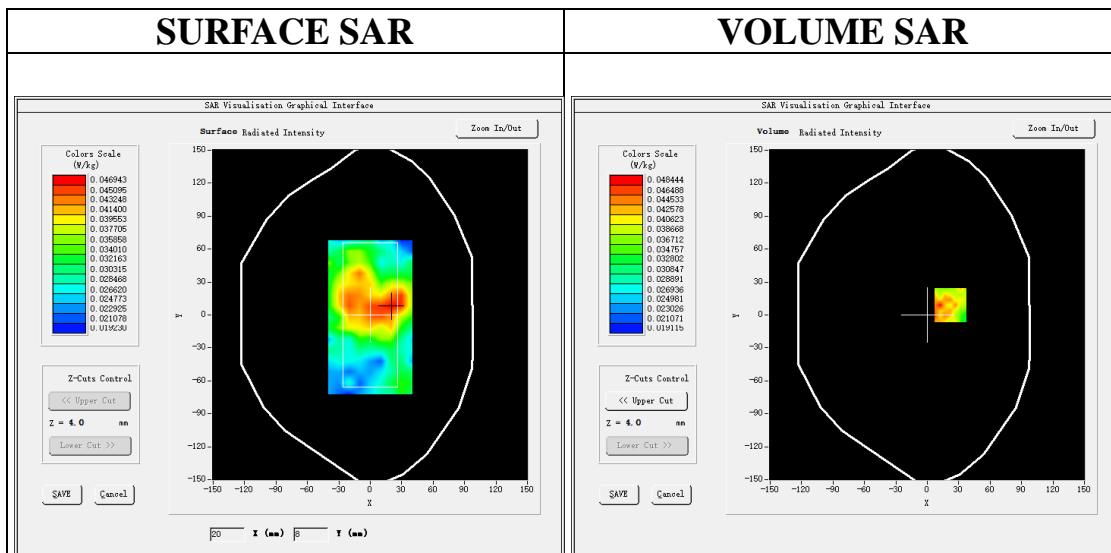
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ LTE Band 40-Upper Side Mid-Face Up 2.5cm/Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/ LTE Band 40-Upper Side Mid-Face Up 2.5cm/Zoom Scan:** Measurement grid: dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>Zoom Scan</b>	7x7x7,dx=5mm dy=5mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Face Up 2.5cm
<b>Band</b>	LTE Band 40-Upper Side
<b>Channels</b>	Middle
<b>Signal</b>	Crest factor: 1.58


**Maximum location: X=22.00, Y=9.00**
**SAR Peak: 0.08 W/kg**

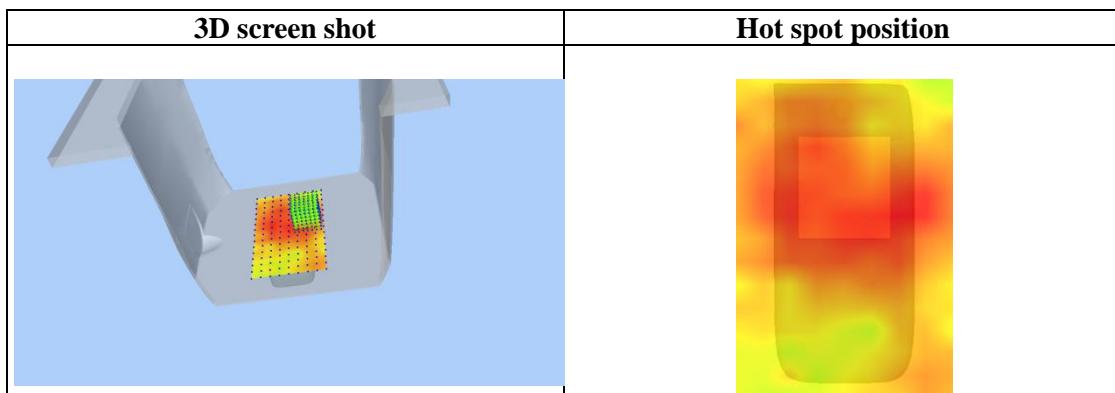
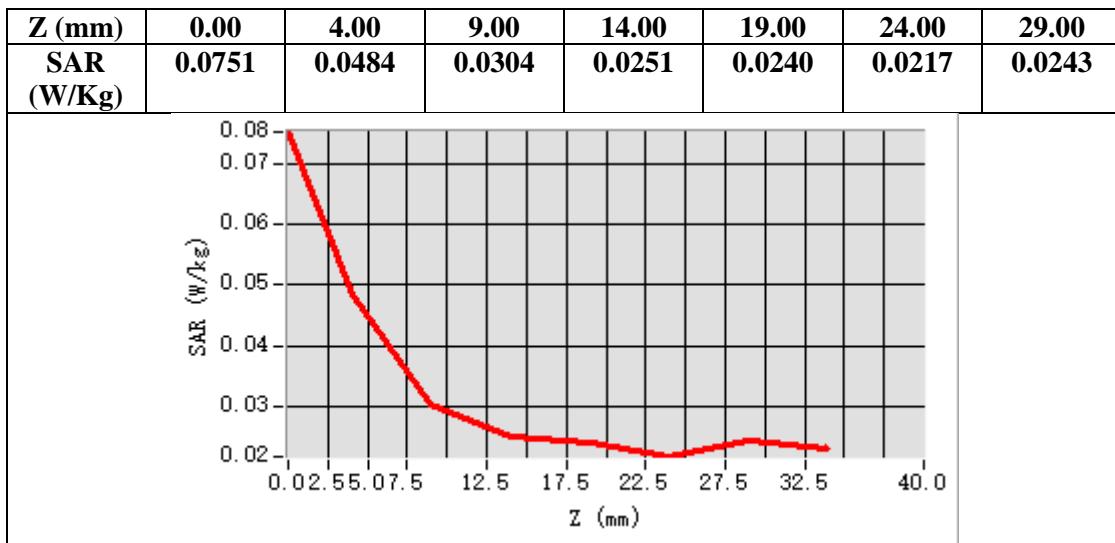
<b>SAR 10g (W/Kg)</b>	0.031912
<b>SAR 1g (W/Kg)</b>	0.043431

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**Test Laboratory: AGC Lab**
**Date: Mar. 15, 2024**
**LTE Band 40-Upper Side Mid-Body-Back with all accessories (1 RB#0)**
**DUT: 4G LTE IP Radio; Type: IP-66**

Communication System: LTE; Communication System Band: LTE Band 40-Upper Side; Duty Cycle: 1:1.58; Conv.F=2.33

 Frequency: 2355 MHz; Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.70$  mho/m;  $\epsilon_r = 37.96$ ;  $\rho = 1000$  kg/m<sup>3</sup>; Phantom section: Flat Section

Ambient temperature (°C): 20.9, Liquid temperature (°C): 20.5

SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

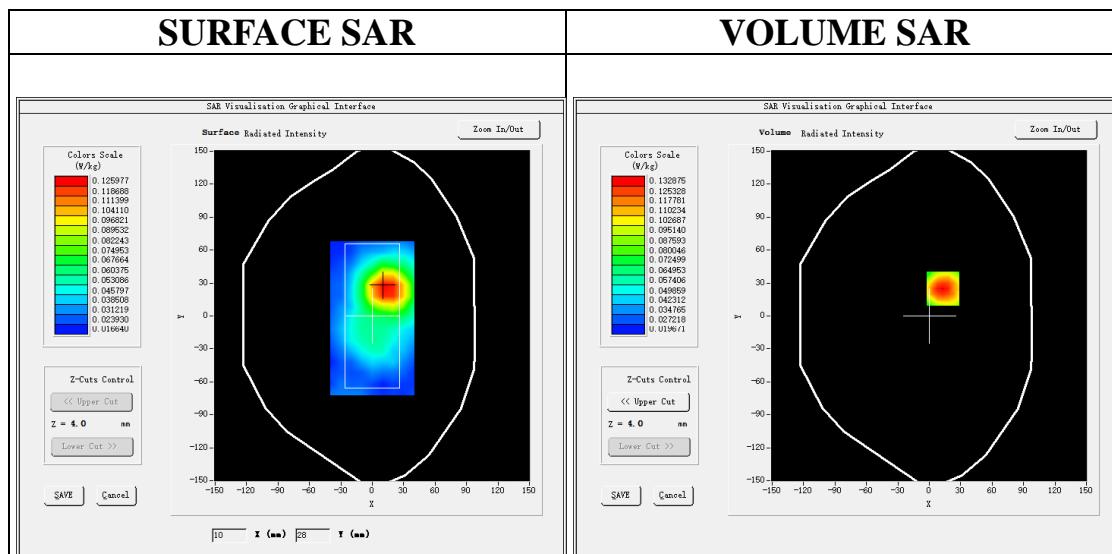
**Configuration/ LTE Band 40-Upper Side Mid-Body-Back with all accessories/Area Scan:** Measurement grid:

dx=8mm, dy=8mm

**Configuration/ LTE Band 40-Upper Side Mid-Body-Back with all accessories/Zoom Scan:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>Zoom Scan</b>	7x7x7,dx=5mm dy=5mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body-Back with all accessories
<b>Band</b>	LTE Band 40-Upper Side
<b>Channels</b>	Middle
<b>Signal</b>	Crest factor: 1.58


**Maximum location: X=13.00, Y=25.00**
**SAR Peak: 0.22 W/kg**

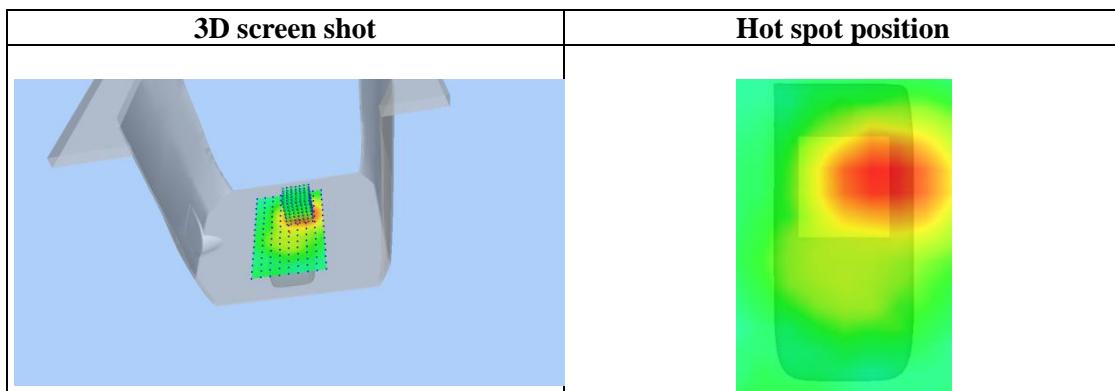
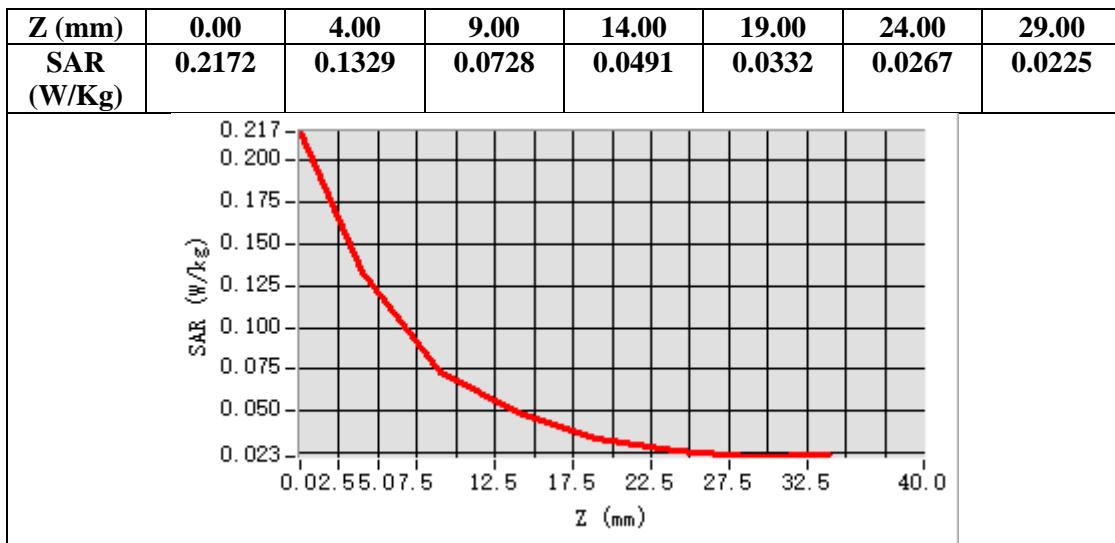
<b>SAR 10g (W/Kg)</b>	0.075209
<b>SAR 1g (W/Kg)</b>	0.128596

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**Test Laboratory: AGC Lab**  
**LTE Band 66 Mid-Face Up 2.5cm (1 RB#0)**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 16, 2024**

Communication System: LTE; Communication System Band: LTE Band 66; Duty Cycle:1:1; Conv.F=2.17;  
 Frequency:1755 MHz; Medium parameters used:  $f = 1750$  MHz;  $\sigma=1.40$  mho/m;  $\epsilon_r = 40.69$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section  
 Ambient temperature (°C): 21.7, Liquid temperature (°C): 21.1

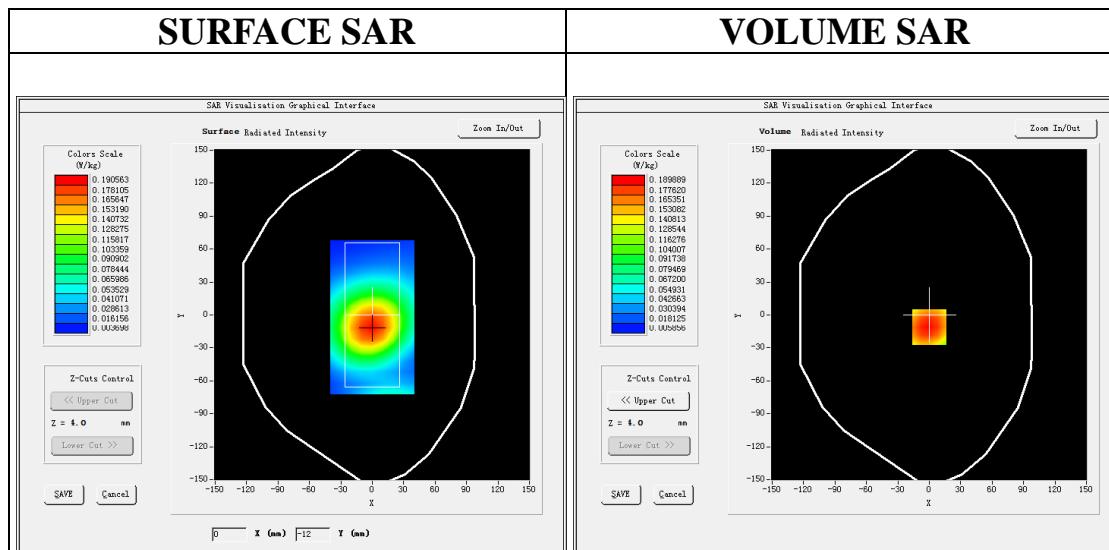
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ LTE Band 66 Mid-Face Up 2.5cm/Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/ LTE Band 66 Mid-Face Up 2.5cm/Zoom Scan:** Measurement grid: dx=8mm,dy=8mm, dz=5m;

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>Zoom Scan</b>	5x5x7,dx=8mm dy=8mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Face Up 2.5cm
<b>Band</b>	LTE Band 66
<b>Channels</b>	Middle
<b>Signal</b>	OFDM (Crest factor: 1.0)



**Maximum location: X=0.00, Y=-11.00**  
**SAR Peak: 0.28 W/kg**

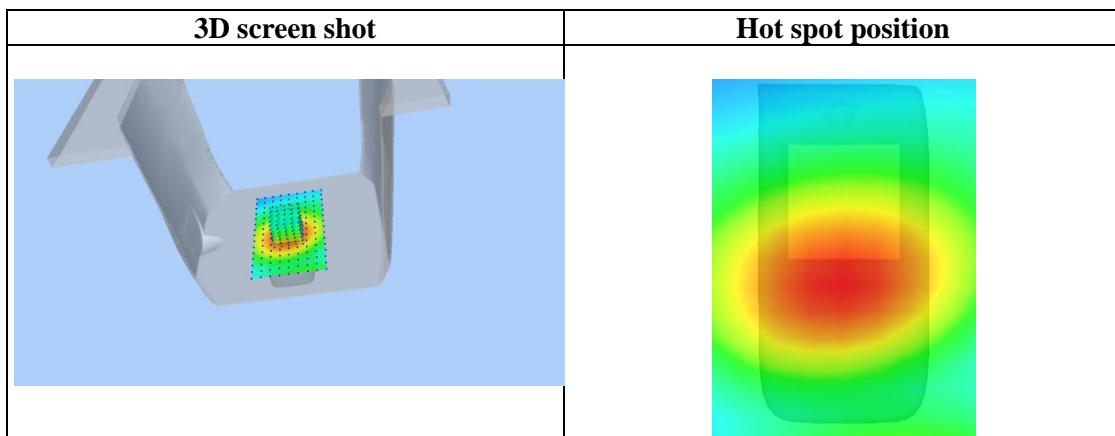
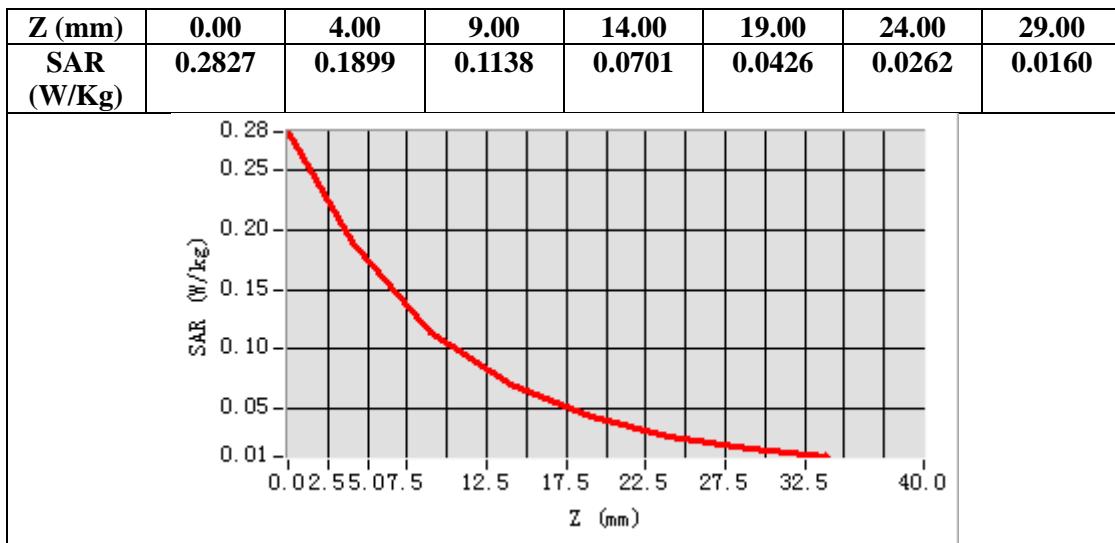
<b>SAR 10g (W/Kg)</b>	0.110960
<b>SAR 1g (W/Kg)</b>	0.183463

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**Test Laboratory: AGC Lab**  
**LTE Band 66 Mid-Body-Back with all accessories (1 RB#0)**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 16, 2024**

Communication System: LTE; Communication System Band: LTE Band 66; Duty Cycle:1:1; Conv.F=2.17;  
 Frequency:1755 MHz; Medium parameters used:  $f = 1750$  MHz;  $\sigma=1.40$  mho/m;  $\epsilon_r = 40.69$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section  
 Ambient temperature (°C): 21.7, Liquid temperature (°C): 21.1

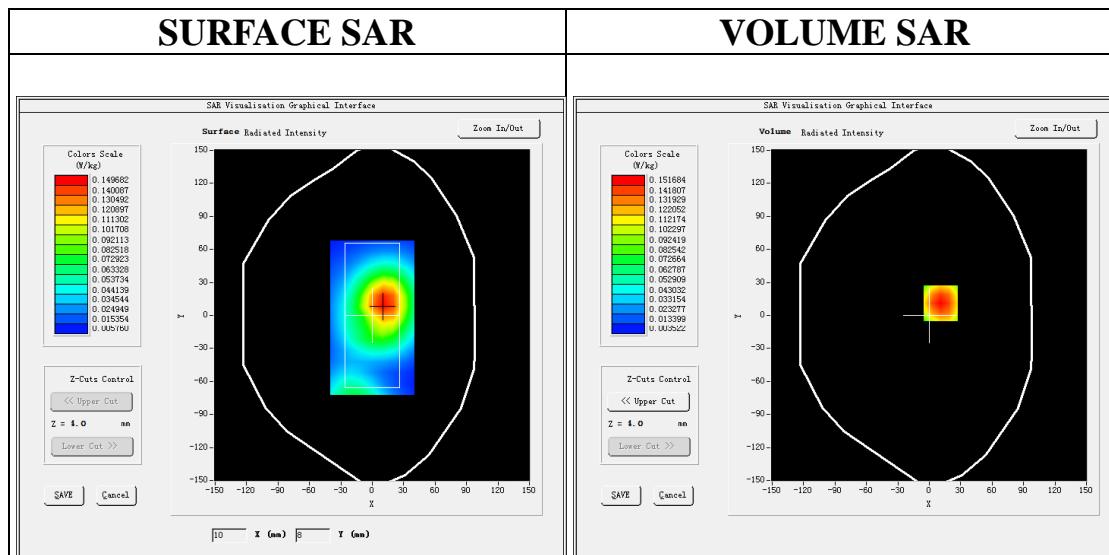
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ LTE Band 66 Mid-Body-Back with all accessories/Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/ LTE Band 66 Mid-Body-Back with all accessories/Zoom Scan:** Measurement grid: dx=8mm,dy=8mm, dz=5m;

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>Zoom Scan</b>	5x5x7,dx=8mm dy=8mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body-Back with all accessories
<b>Band</b>	LTE Band 66
<b>Channels</b>	Middle
<b>Signal</b>	OFDM (Crest factor: 1.0)



**Maximum location: X=11.00, Y=11.00**  
**SAR Peak: 0.23 W/kg**

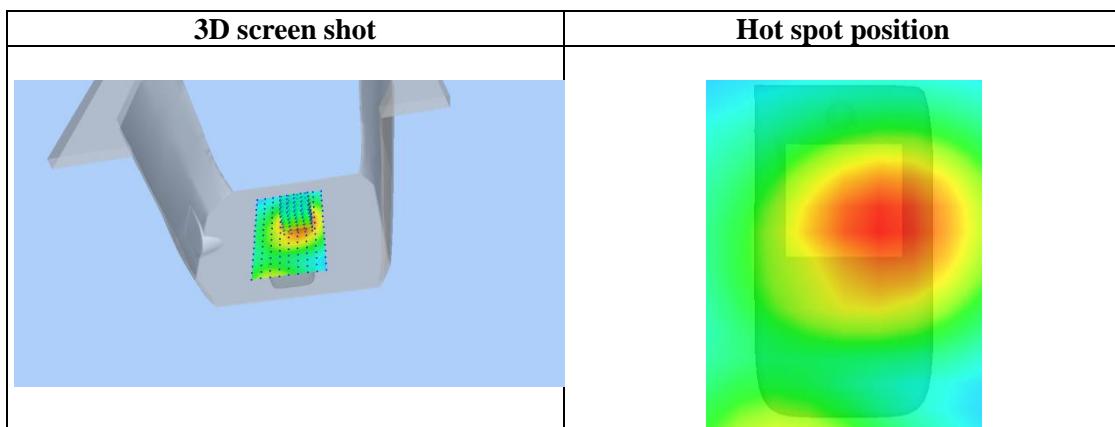
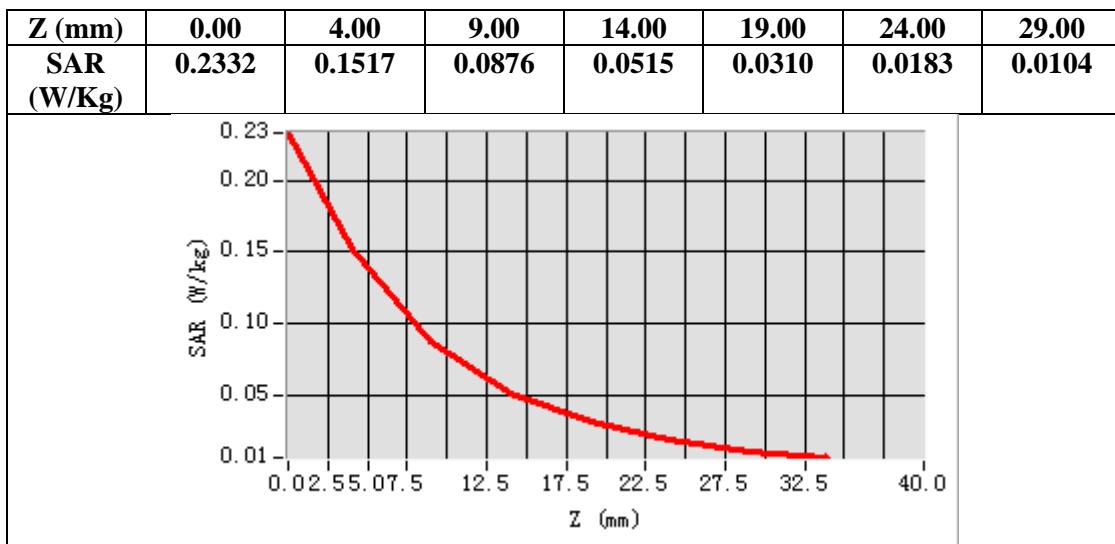
<b>SAR 10g (W/Kg)</b>	0.084513
<b>SAR 1g (W/Kg)</b>	0.146312

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**Test Laboratory: AGC Lab**  
**LTE Band 71 Mid-Face Up 2.5cm (1 RB#0)**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 14, 2024**

Communication System: LTE; Communication System Band: LTE Band 71; Duty Cycle:1:1; Conv.F=1.95;  
 Frequency: 683 MHz; Medium parameters used:  $f = 750$  MHz;  $\sigma=0.87$  mho/m;  $\epsilon_r =43.82$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section  
 Ambient temperature (°C): 20.6, Liquid temperature (°C): 20.2

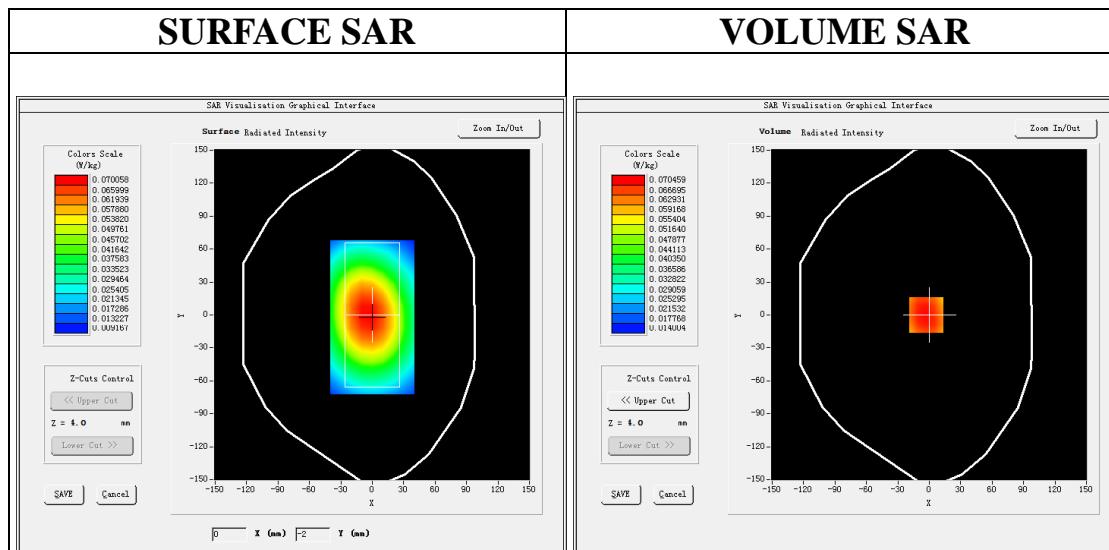
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ LTE Band 71 Mid-Face Up 2.5cm/Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/ LTE Band 71 Mid-Face Up 2.5cm/Zoom Scan:** Measurement grid: dx=8mm,dy=8mm, dz=5m;

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>Zoom Scan</b>	5x5x7,dx=8mm dy=8mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Face Up 2.5cm
<b>Band</b>	LTE Band 71
<b>Channels</b>	Middle
<b>Signal</b>	OFDM (Crest factor: 1.0)



**Maximum location: X=-3.00, Y=0.00**

**SAR Peak: 0.09 W/kg**

<b>SAR 10g (W/Kg)</b>	0.053632
<b>SAR 1g (W/Kg)</b>	0.071283

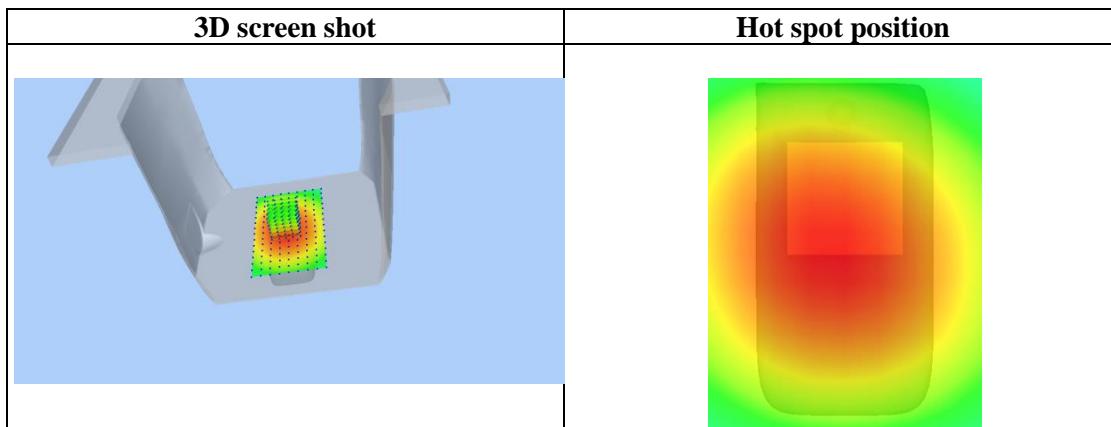
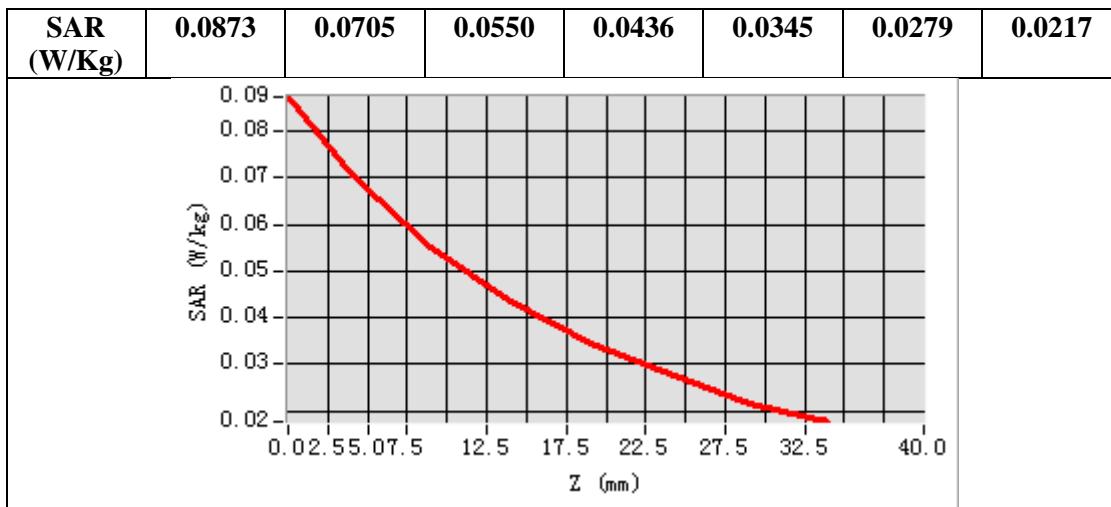
<b>Z (mm)</b>	<b>0.00</b>	<b>4.00</b>	<b>9.00</b>	<b>14.00</b>	<b>19.00</b>	<b>24.00</b>	<b>29.00</b>
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**Test Laboratory: AGC Lab**  
**LTE Band 71 Mid-Body-Back with all accessories (1 RB#0)**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 14, 2024**

Communication System: LTE; Communication System Band: LTE Band 71; Duty Cycle:1:1; Conv.F=1.95;  
 Frequency: 683 MHz; Medium parameters used:  $f = 750$  MHz;  $\sigma=0.87$  mho/m;  $\epsilon_r =43.82$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section  
 Ambient temperature (°C): 20.6, Liquid temperature (°C): 20.2

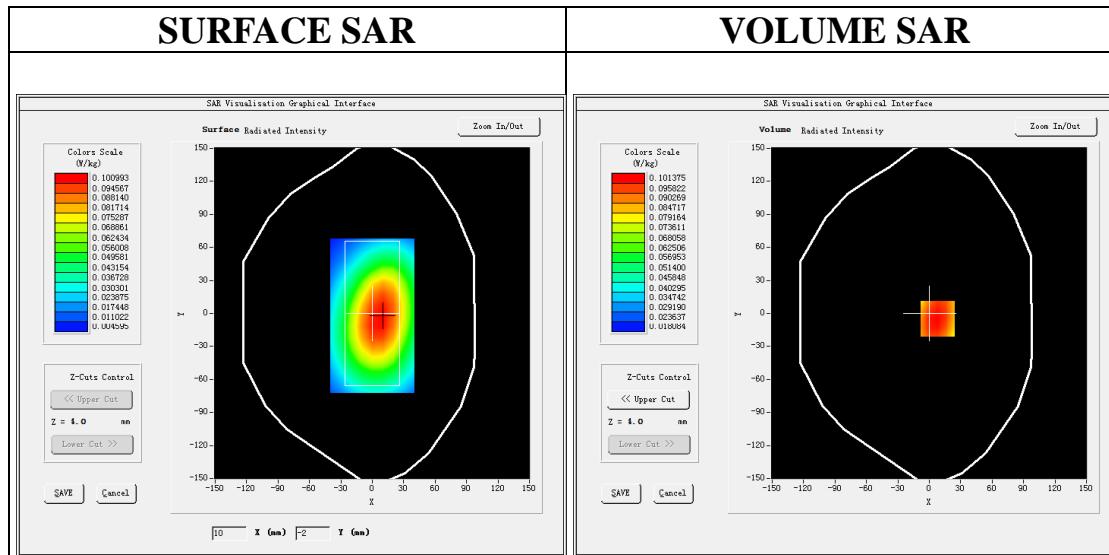
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ LTE Band 71 Mid-Body-Back with all accessories/Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/ LTE Band 71 Mid-Body-Back with all accessories/Zoom Scan:** Measurement grid: dx=8mm,dy=8mm, dz=5m;

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>Zoom Scan</b>	5x5x7,dx=8mm dy=8mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body-Back with all accessories
<b>Band</b>	LTE Band 71
<b>Channels</b>	Middle
<b>Signal</b>	OFDM (Crest factor: 1.0)



**Maximum location: X=8.00, Y=-5.00**  
**SAR Peak: 0.13 W/kg**

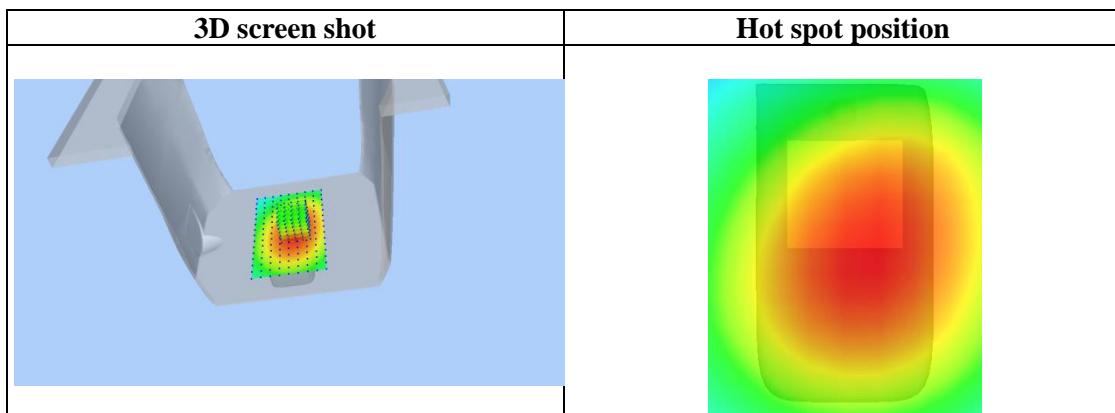
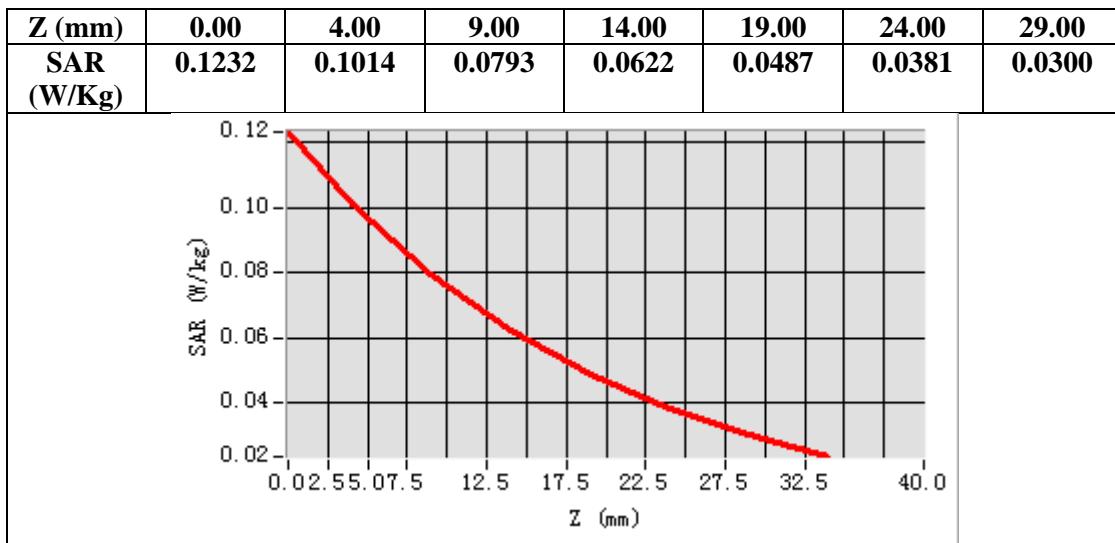
<b>SAR 10g (W/Kg)</b>	0.076235
<b>SAR 1g (W/Kg)</b>	0.102501

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## WIFI MODE

Test Laboratory: AGC Lab

802.11b High- Face Up 2.5cm

DUT: 4G LTE IP Radio; Type: IP-66

Date: Mar. 10, 2024

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=2.29; Frequency: 2462 MHz; Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 37.92$ ;  $\rho = 1000$  kg/m<sup>3</sup> ; Phantom section: Flat Section

Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.6

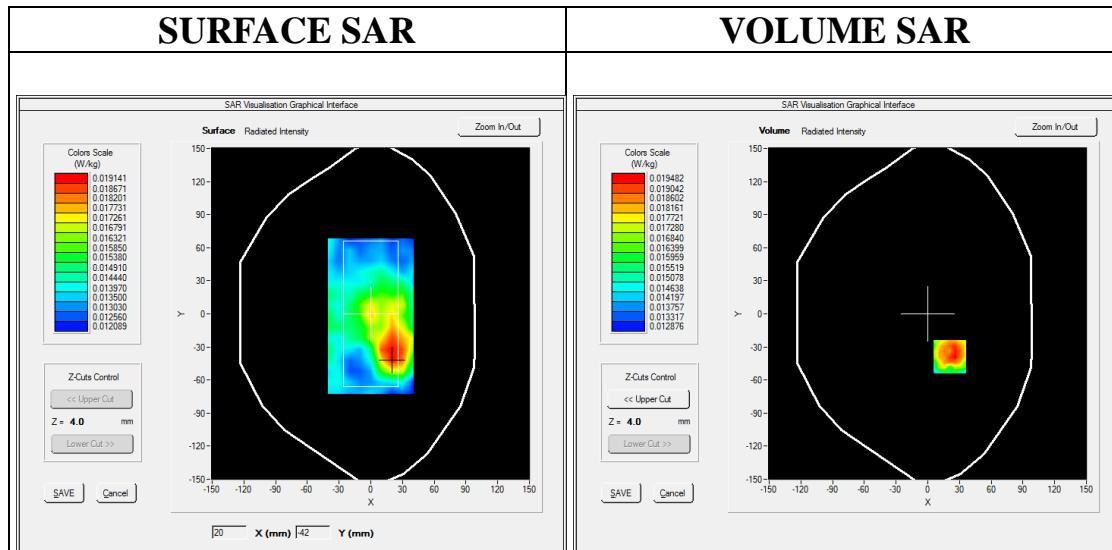
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

Configuration/802.11b High- Face Up 2.5cm /Area Scan: Measurement grid: dx=8mm, dy=8mm

Configuration/802.11b High- Face Up 2.5cm /Zoom Scan: Measurement grid: dx=5mm, dy=5mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>ZoomScan</b>	7x7x7,dx=5mm dy=5mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Face Up 2.5cm
<b>Band</b>	2450MHz
<b>Channels</b>	High
<b>Signal</b>	Crest factor: 1.0



**Maximum location: X=21.00, Y=-39.00**  
**SAR Peak: 0.03 W/kg**

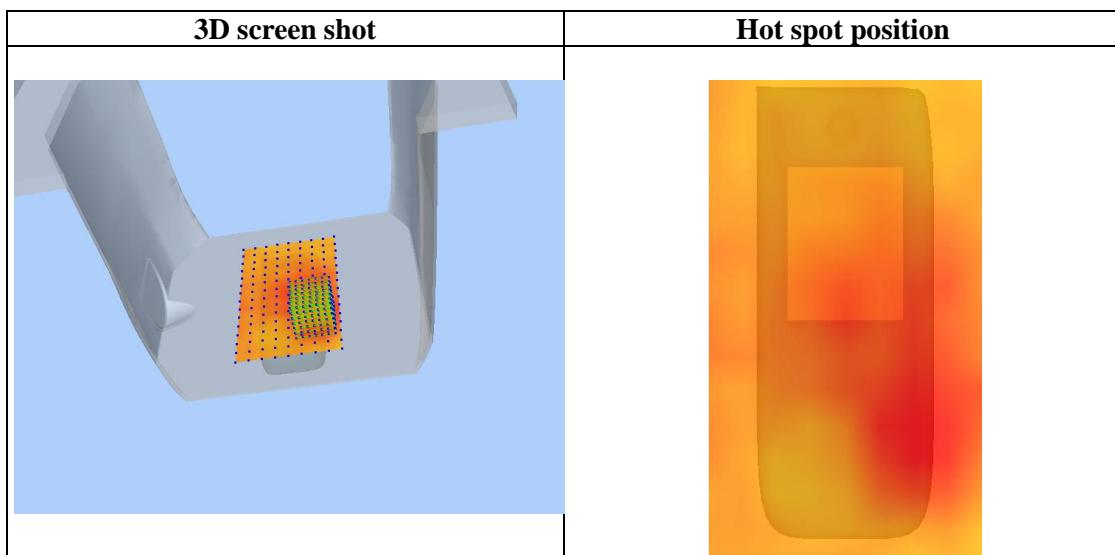
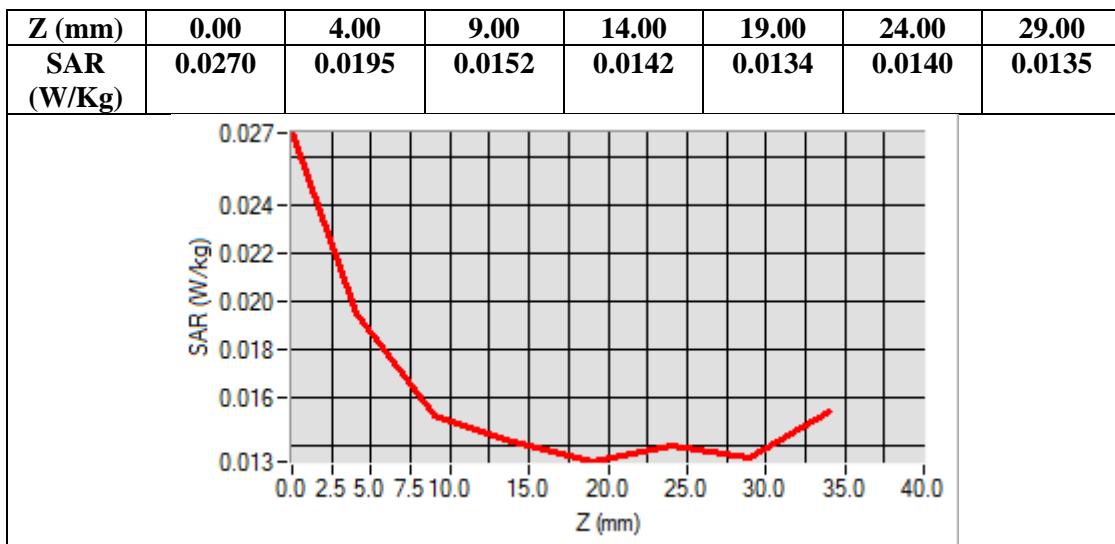
<b>SAR 10g (W/Kg)</b>	0.016051
<b>SAR 1g (W/Kg)</b>	0.019451

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**Test Laboratory: AGC Lab**  
**802.11b High- Body-Back with all accessories**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 10, 2024**

Communication System: Wi-Fi; Communication System Band: 802.11b; Duty Cycle: 1:1; Conv.F=2.29;  
 Frequency: 2462 MHz; Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 37.92$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section  
 Ambient temperature (°C): 21.9, Liquid temperature (°C): 21.6

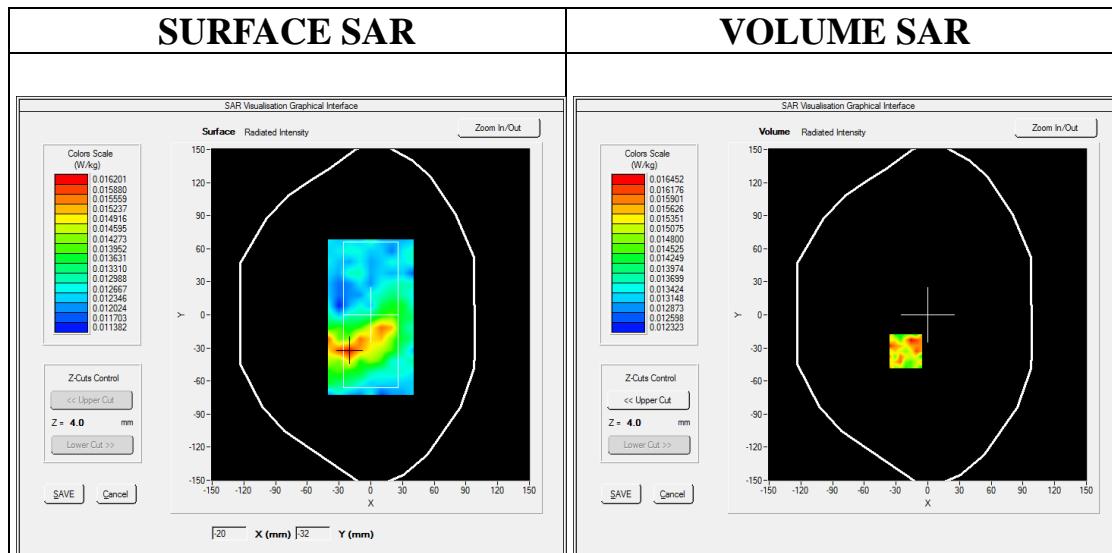
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/802.11b High- Body-Back with all accessories /Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/802.11b High- Body-Back with all accessories /Zoom Scan:** Measurement grid: dx=5mm, dy=5mm, dz=5mm;

<b>Area Scan</b>	surf_sam_plan.txt, h= 5.00 mm
<b>ZoomScan</b>	7x7x7,dx=5mm dy=5mm dz=5mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body-Back with all accessories
<b>Band</b>	2450MHz
<b>Channels</b>	High
<b>Signal</b>	Crest factor: 1.0



**Maximum location: X=-21.00, Y=-33.00**  
**SAR Peak: 0.02 W/kg**

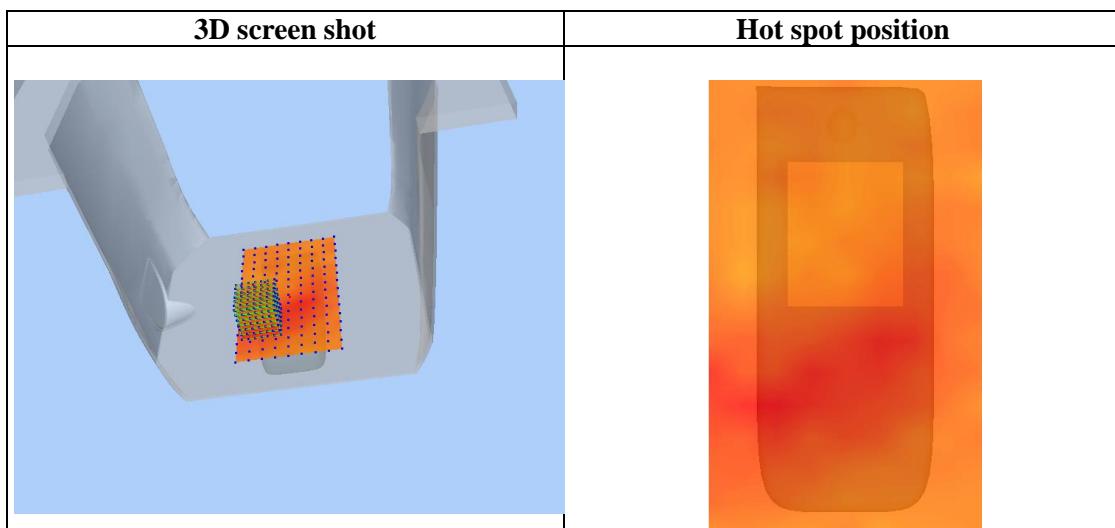
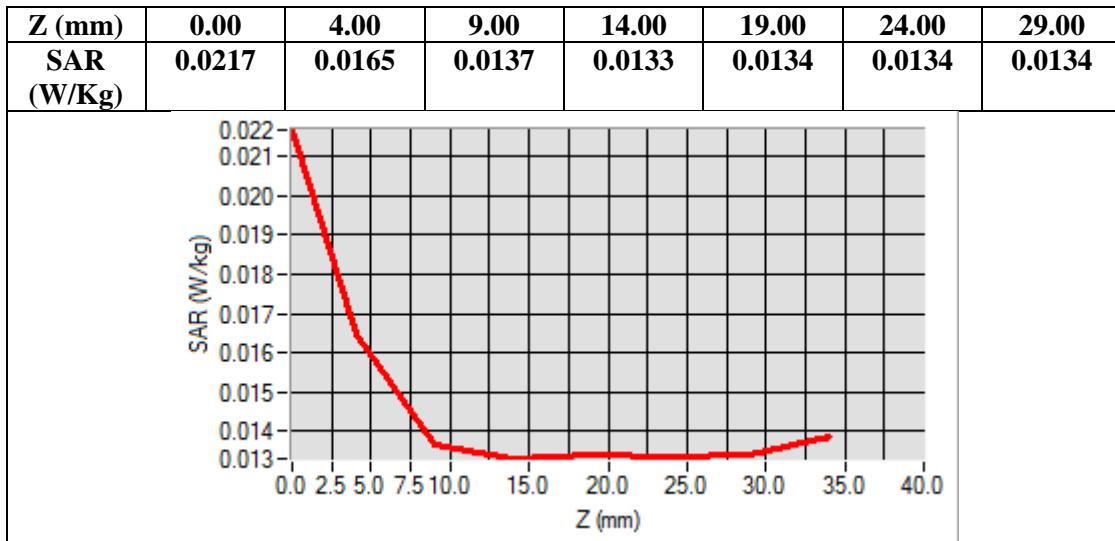
<b>SAR 10g (W/Kg)</b>	0.014373
<b>SAR 1g (W/Kg)</b>	0.015813

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**5.2GHz 802.11a**
**Test Laboratory: AGC Lab**
**802.11a CH48-Face Up 2.5cm**
**DUT: 4G LTE IP Radio; Type: IP-66**
**Date: Mar. 18, 2024**

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle:98%; Conv.F=2.35;  
 Frequency: 5240MHz; Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.65$  mho/m;  $\epsilon_r = 35.43$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

Ambient temperature (°C): 21.4, Liquid temperature (°C): 21.1

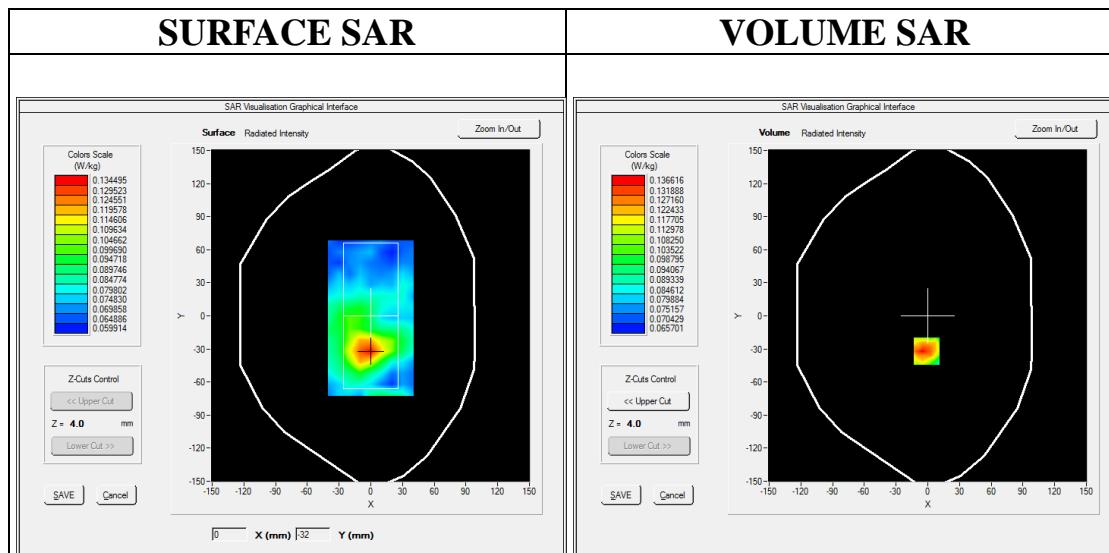
**SATIMO Configuration:**

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/802.11a CH48- Face Up 2.5cm /Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/802.11a CH48- Face Up 2.5cm /Zoom Scan:** Measurement grid: dx=4mm,dy=4mm, dz=2mm

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	7x7x12 dx=4mm dy=4mm dz=2mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Face Up 2.5cm
<b>Band</b>	5200MHz
<b>Channels</b>	CH48
<b>Signal</b>	Crest factor: 1.0



**Maximum location: X=-1.00, Y=-32.00**  
**SAR Peak: 0.24 W/kg**

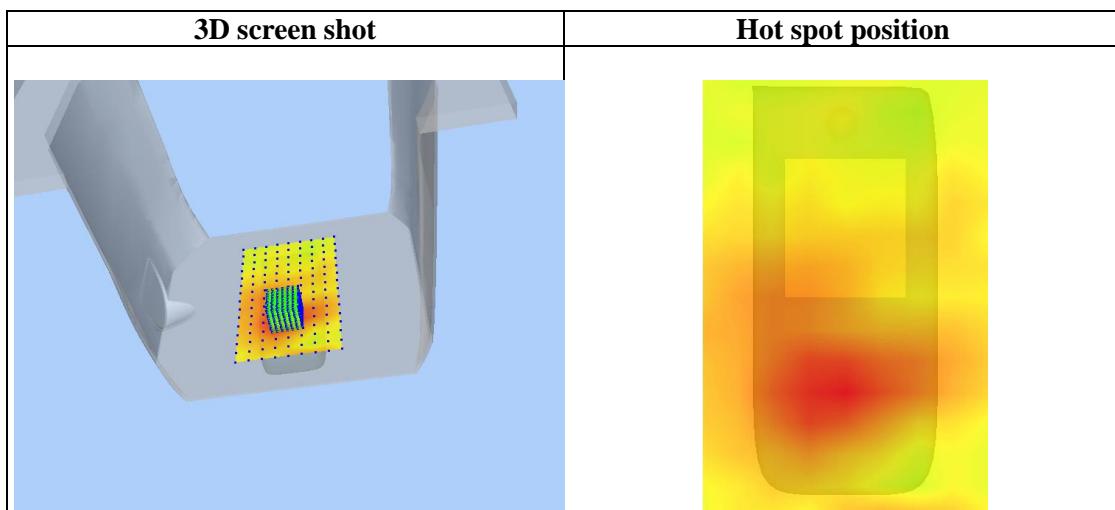
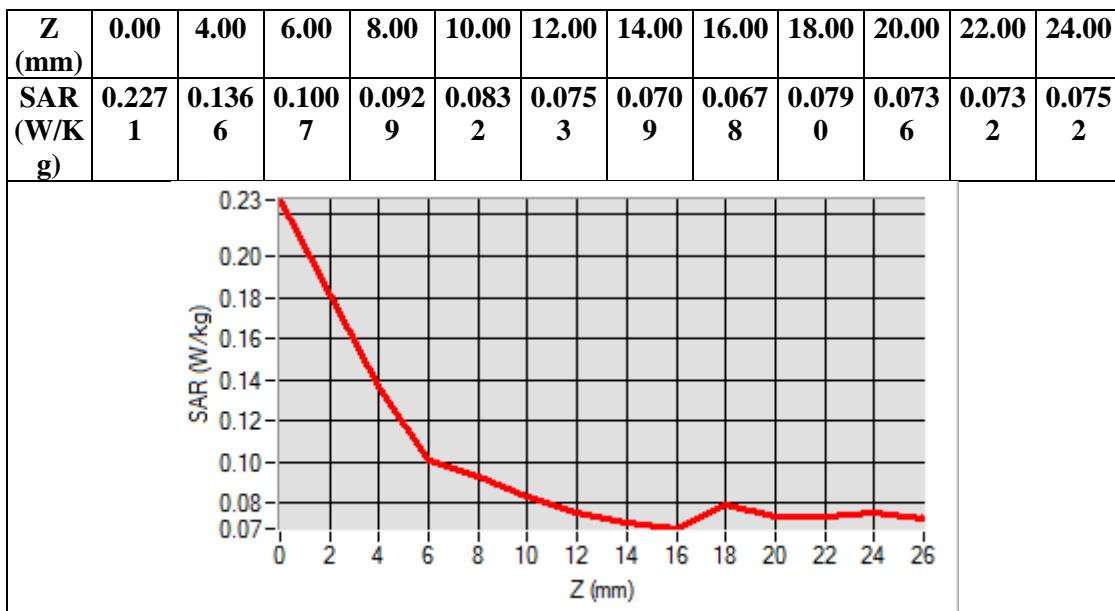
<b>SAR 10g (W/Kg)</b>	0.096018
<b>SAR 1g (W/Kg)</b>	0.130731

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**Test Laboratory: AGC Lab**  
**802.11a CH48-Body-Back with all accessories**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 18, 2024**

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 98%; Conv.F=2.35;  
 Frequency: 5240MHz; Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.65$  mho/m;  $\epsilon_r = 35.43$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

Ambient temperature (°C): 21.4, Liquid temperature (°C): 21.1

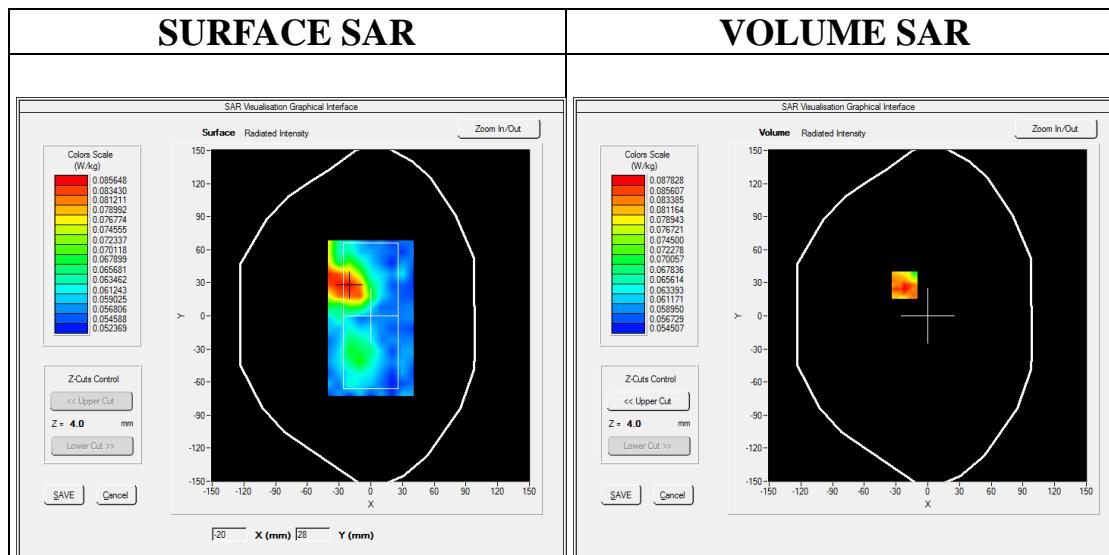
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/802.11a CH48- Body-Back with all accessories /Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/802.11a CH48- Body-Back with all accessories /Zoom Scan:** Measurement grid: dx=4mm,dy=4mm, dz=2mm

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	7x7x12 dx=4mm dy=4mm dz=2mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body-Back with all accessories
<b>Band</b>	5200MHz
<b>Channels</b>	CH48
<b>Signal</b>	Crest factor: 1.0



**Maximum location: X=-22.00, Y=28.00**  
**SAR Peak: 0.14 W/kg**

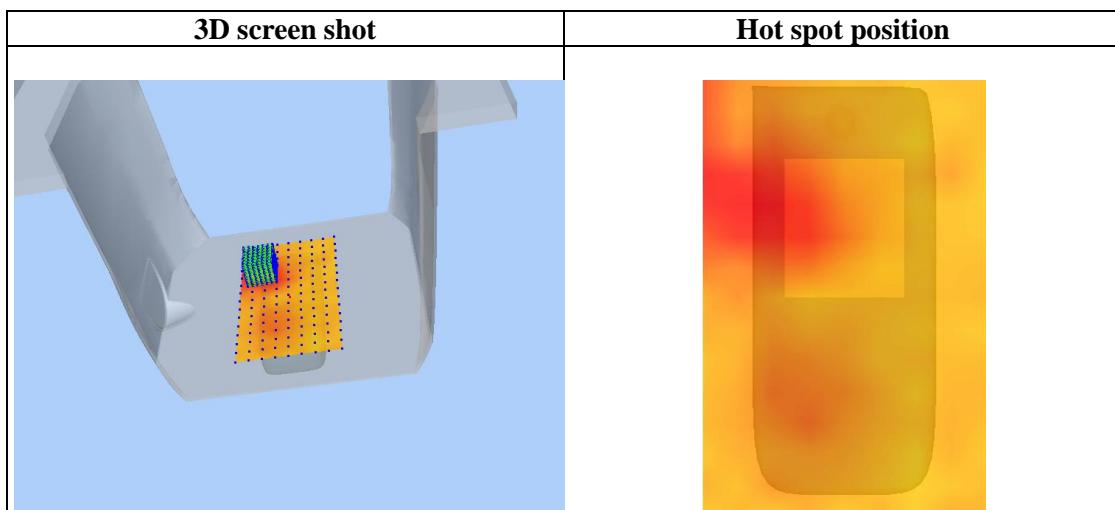
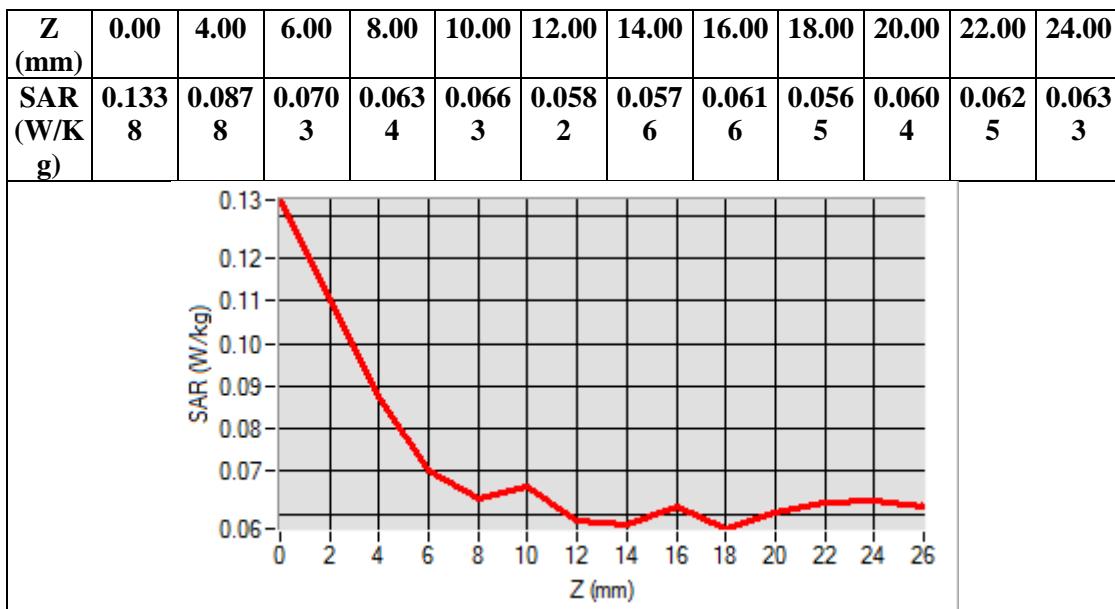
<b>SAR 10g (W/Kg)</b>	0.070596
<b>SAR 1g (W/Kg)</b>	0.086893

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**5.3GHz 802.11a**
**Test Laboratory: AGC Lab**
**802.11a CH52-Face Up 2.5cm**
**DUT: 4G LTE IP Radio; Type: IP-66**
**Date: Mar. 19, 2024**

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 98%; Conv.F=1.35;  
 Frequency: 5260MHz; Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.69$  mho/m;  $\epsilon_r = 36.83$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

Ambient temperature (°C): 21.2, Liquid temperature (°C): 20.9

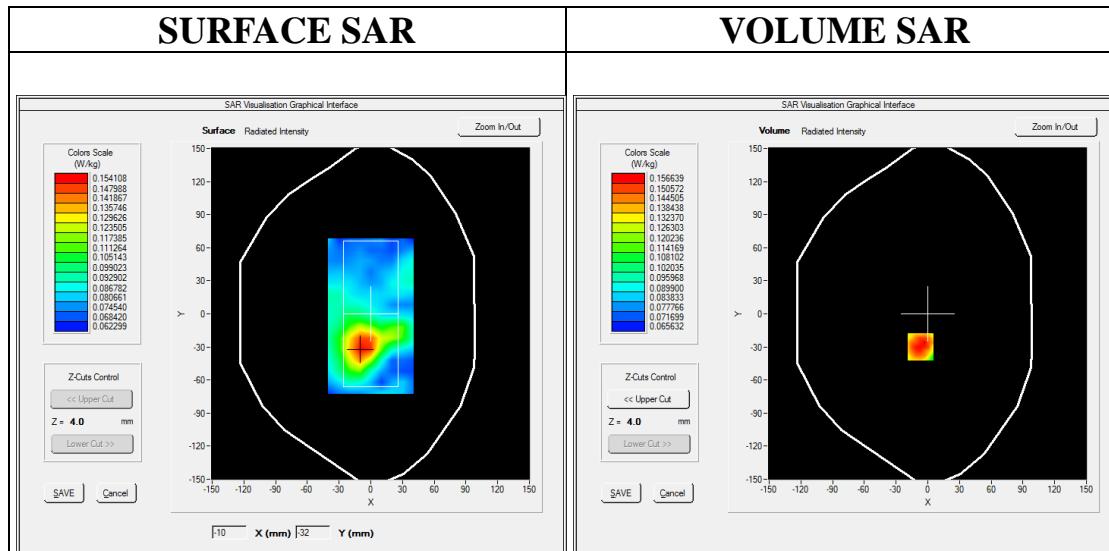
**SATIMO Configuration:**

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/802.11a CH52- Face Up 2.5cm /Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/802.11a CH52- Face Up 2.5cm /Zoom Scan:** Measurement grid: dx=4mm,dy=4mm, dz=2mm

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	7x7x12 dx=4mm dy=4mm dz=2mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Face Up 2.5cm
<b>Band</b>	5300MHz
<b>Channels</b>	CH52
<b>Signal</b>	Crest factor: 1.0



**Maximum location: X=-7.00, Y=-30.00**  
**SAR Peak: 0.31 W/kg**

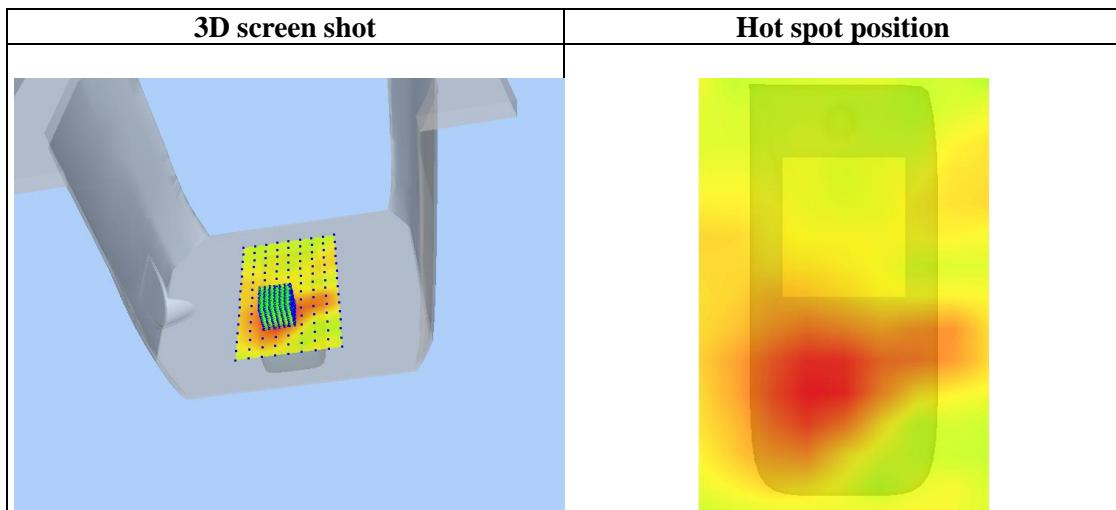
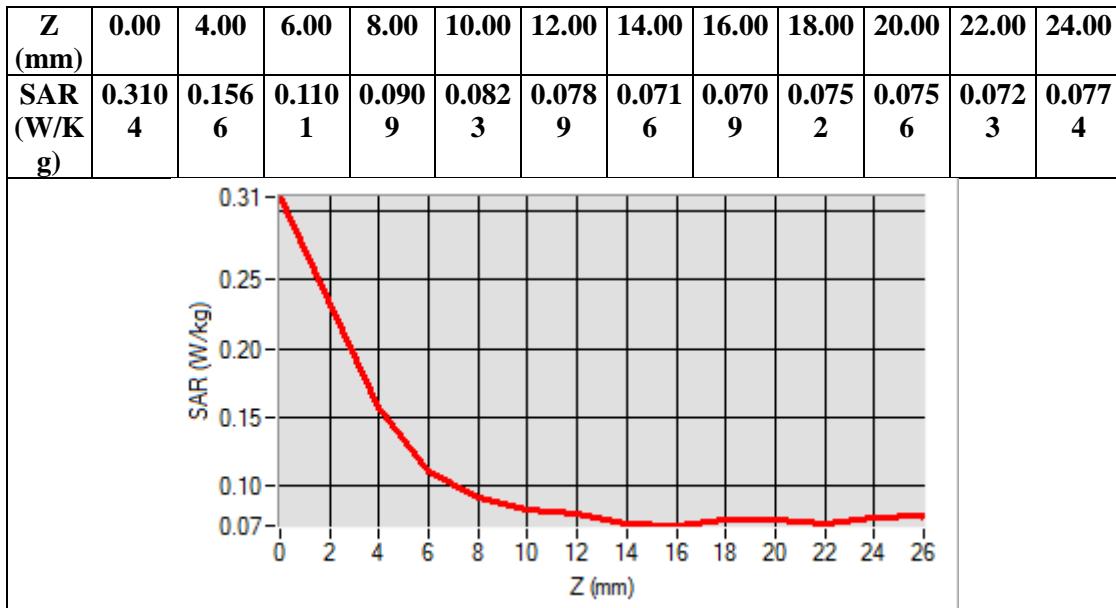
<b>SAR 10g (W/Kg)</b>	0.108709
<b>SAR 1g (W/Kg)</b>	0.157123

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**Test Laboratory: AGC Lab**  
**802.11a CH52-Body-Back with all accessories**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 19, 2024**

Communication System: Wi-Fi; Communication System Band: 802.11a; Duty Cycle: 98%; Conv.F=1.35;  
 Frequency: 5260MHz; Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.69$  mho/m;  $\epsilon_r = 36.83$ ;  $\rho = 1000$  kg/m<sup>3</sup> ;  
 Phantom section: Flat Section

Ambient temperature (°C): 21.2, Liquid temperature (°C): 20.9

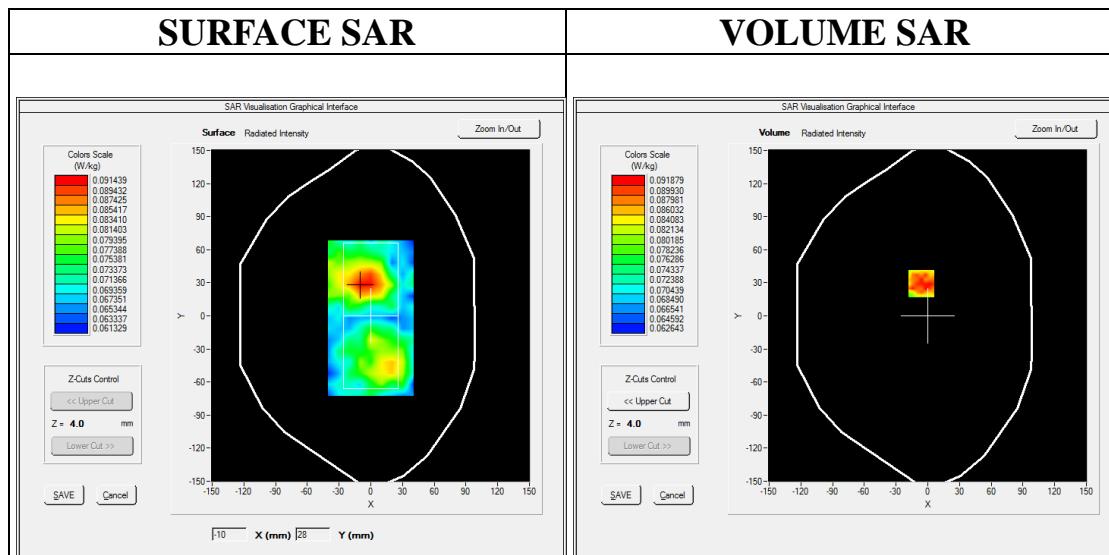
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/802.11a CH52- Body-Back with all accessories /Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/802.11a CH52- Body-Back with all accessories /Zoom Scan:** Measurement grid: dx=4mm,dy=4mm, dz=2mm

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	7x7x12 dx=4mm dy=4mm dz=2mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body-Back with all accessories
<b>Band</b>	5300MHz
<b>Channels</b>	CH52
<b>Signal</b>	Crest factor: 1.0



**Maximum location: X=-6.00, Y=29.00**  
**SAR Peak: 0.14 W/kg**

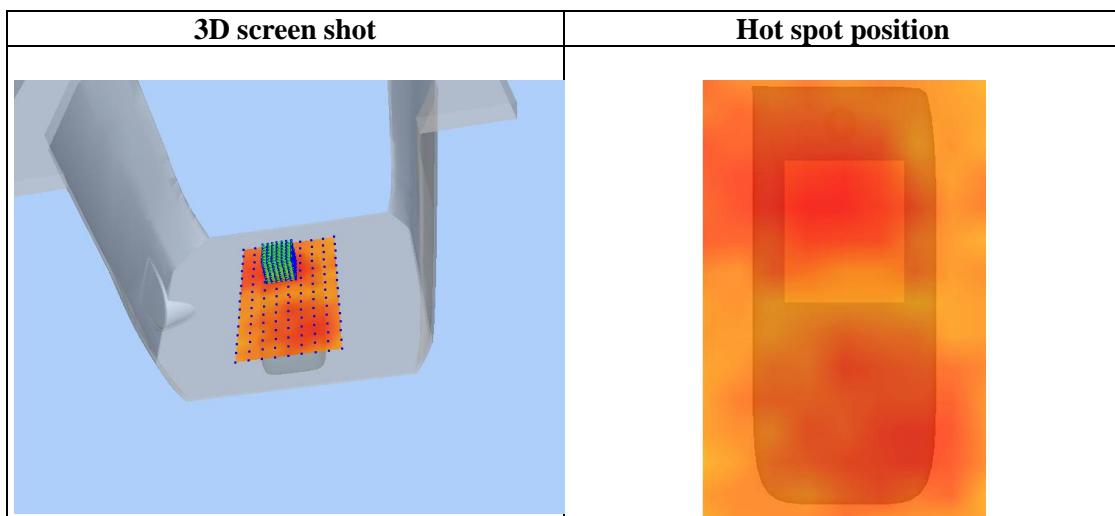
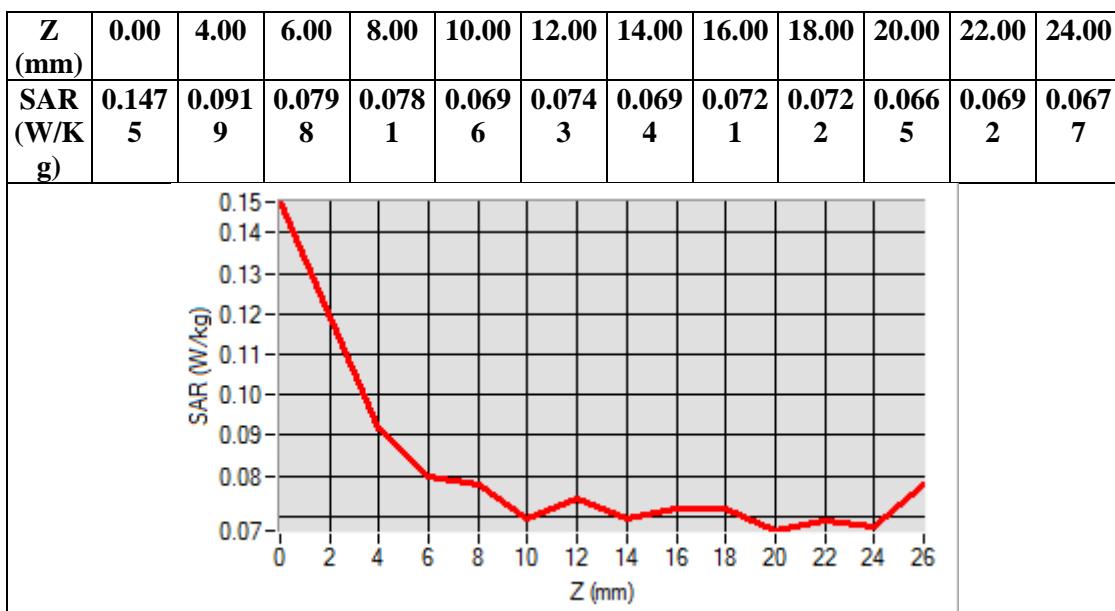
<b>SAR 10g (W/Kg)</b>	0.079022
<b>SAR 1g (W/Kg)</b>	0.092022

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**5.8GHz 802.11n HT40**
**Test Laboratory: AGC Lab**
**Date: Mar. 20, 2024**
**802.11n HT40 CH151-Face Up 2.5cm**
**DUT: 4G LTE IP Radio; Type: IP-66**

Communication System: Wi-Fi; Communication System Band: 802.11n HT40; Duty Cycle: 95%; Conv.F=1.41; Frequency: 5755MHz; Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.16\text{mho/m}$ ;  $\epsilon_r = 35.61$ ;  $\rho = 1000 \text{ kg/m}^3$ ; Phantom section: Flat Section

Ambient temperature (°C): 20.8, Liquid temperature (°C): 20.5

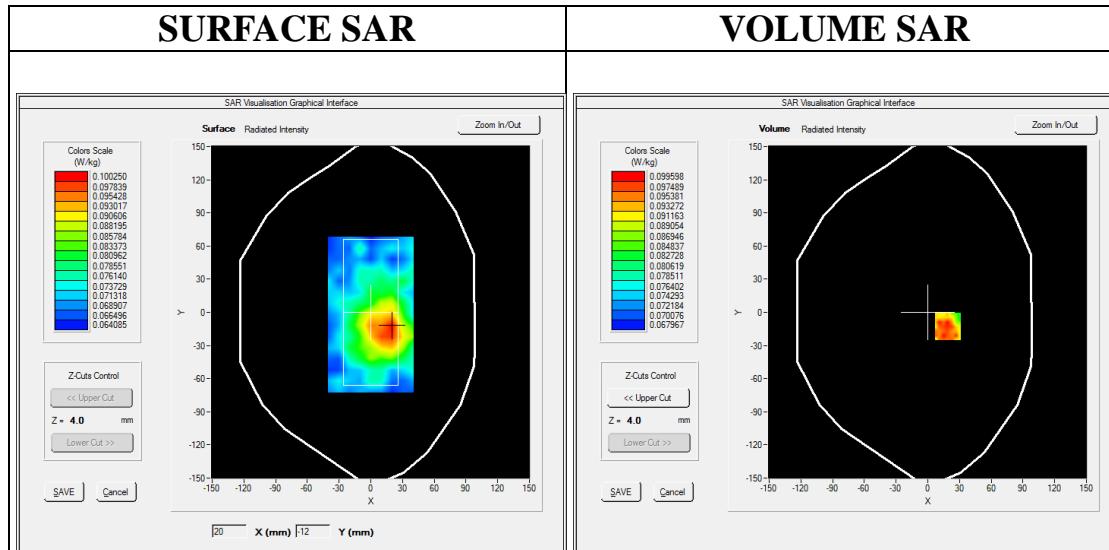
**SATIMO Configuration:**

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ 802.11n HT40 CH151- Face Up 2.5cm /Area Scan:** Measurement grid: dx=8mm, dy=8mm

**Configuration/ 802.11n HT40 CH151- Face Up 2.5cm /Zoom Scan:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	7x7x12 dx=4mm dy=4mm dz=2mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Face Up 2.5cm
<b>Band</b>	5800MHz
<b>Channels</b>	CH151
<b>Signal</b>	Crest factor: 1.0



**Maximum location: X=19.00, Y=-13.00**  
**SAR Peak: 0.16 W/kg**

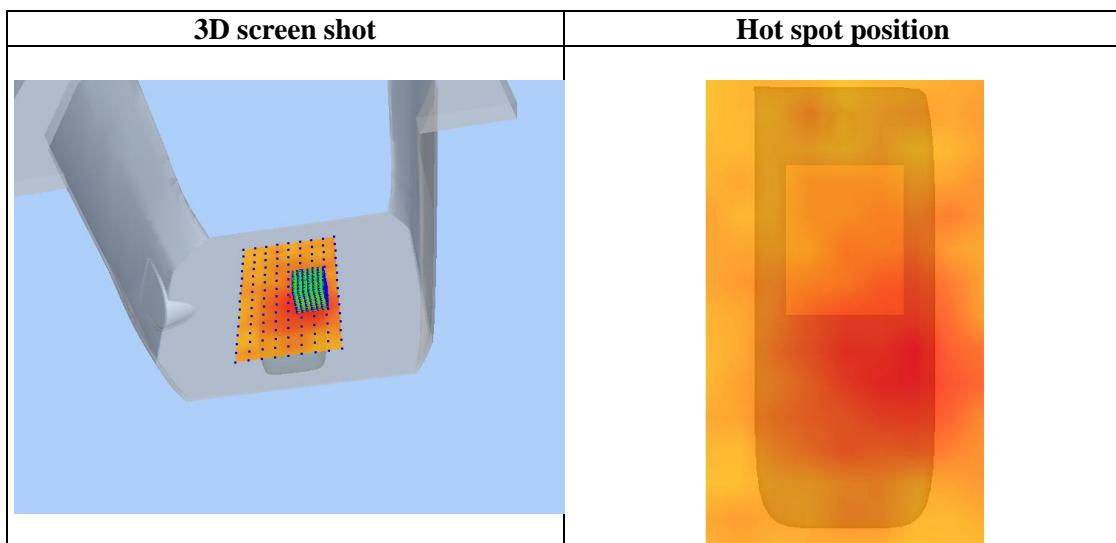
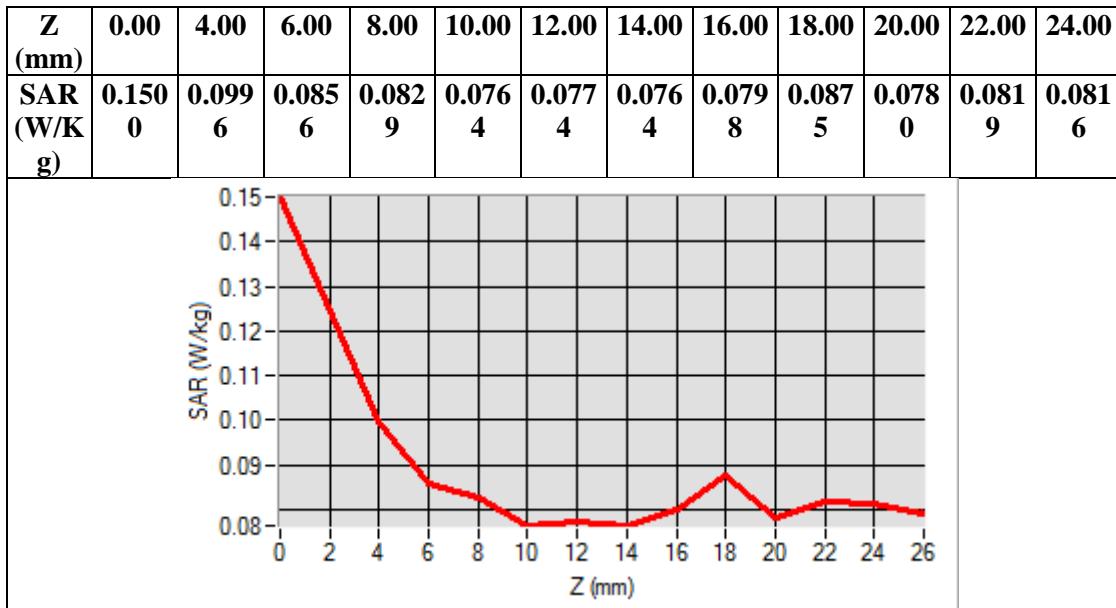
<b>SAR 10g (W/Kg)</b>	0.087060
<b>SAR 1g (W/Kg)</b>	0.100060

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**Test Laboratory: AGC Lab**  
**802.11n HT40 CH151-Body-Back with all accessories**  
**DUT: 4G LTE IP Radio; Type: IP-66**

**Date: Mar. 20, 2024**

Communication System: Wi-Fi; Communication System Band: 802.11n HT40; Duty Cycle: 95%; Conv.F=1.41; Frequency: 5755MHz; Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.16\text{mho/m}$ ;  $\epsilon_r = 35.61$ ;  $\rho = 1000 \text{ kg/m}^3$  ; Phantom section: Flat Section

Ambient temperature (°C): 20.8, Liquid temperature (°C): 20.5

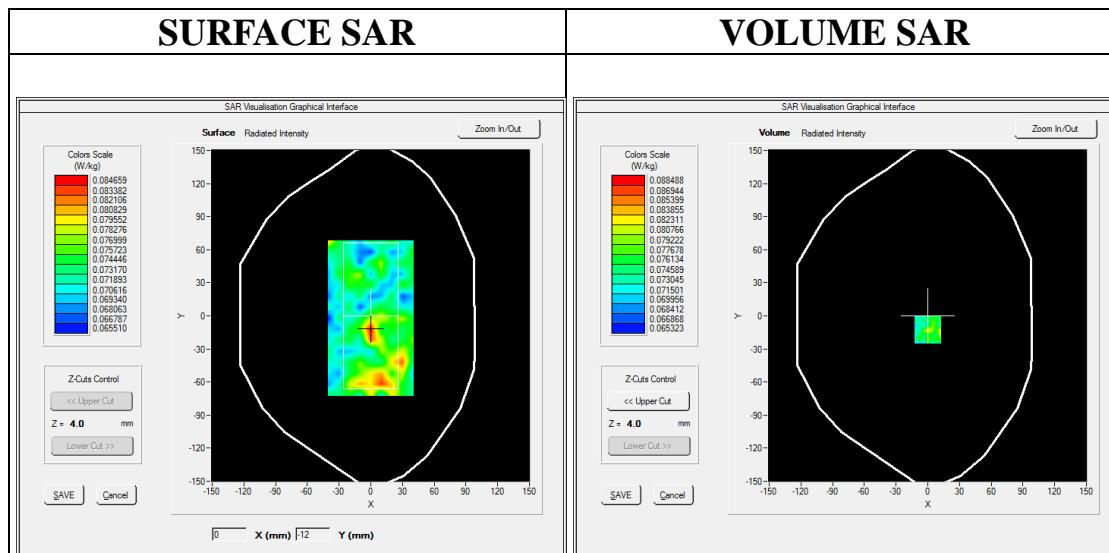
SATIMO Configuration:

- Probe: SSE2; Calibrated: May 31, 2023; Serial No.: 2023-EPGO-414
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: SAM twin phantom
- Measurement SW: OpenSAR V4\_02\_32

**Configuration/ 802.11n HT40 CH151- Body-Back with all accessories /Area Scan:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$

**Configuration/ 802.11n HT40 CH151- Body-Back with all accessories /Zoom Scan:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

<b>Area Scan</b>	sam_direct_droit2_surf8mm.txt
<b>ZoomScan</b>	7x7x12 dx=4mm dy=4mm dz=2mm
<b>Phantom</b>	Validation plane
<b>Device Position</b>	Body-Back with all accessories
<b>Band</b>	5800MHz
<b>Channels</b>	CH151
<b>Signal</b>	Crest factor: 1.0



**Maximum location: X=0.00, Y=-13.00**  
**SAR Peak: 0.11 W/kg**

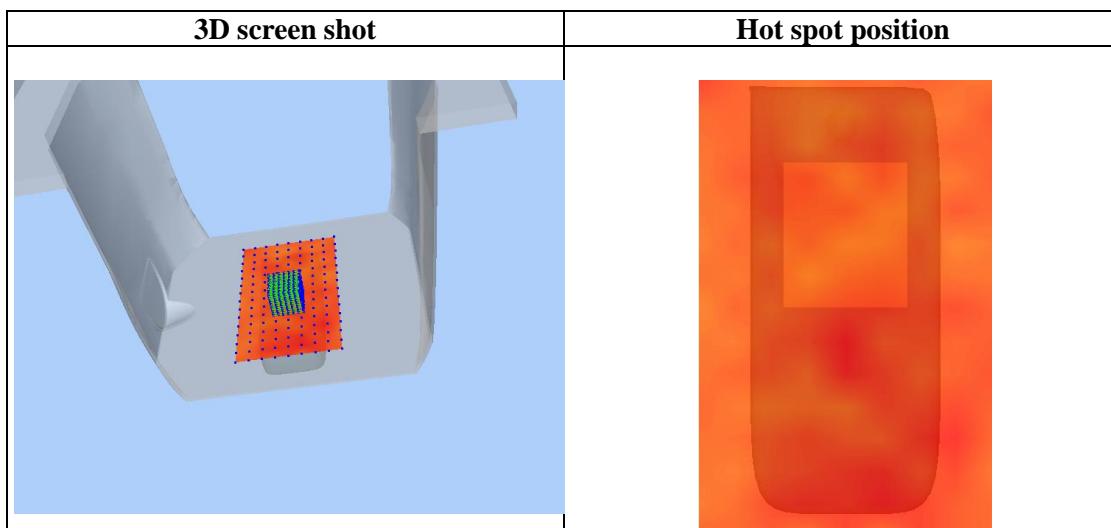
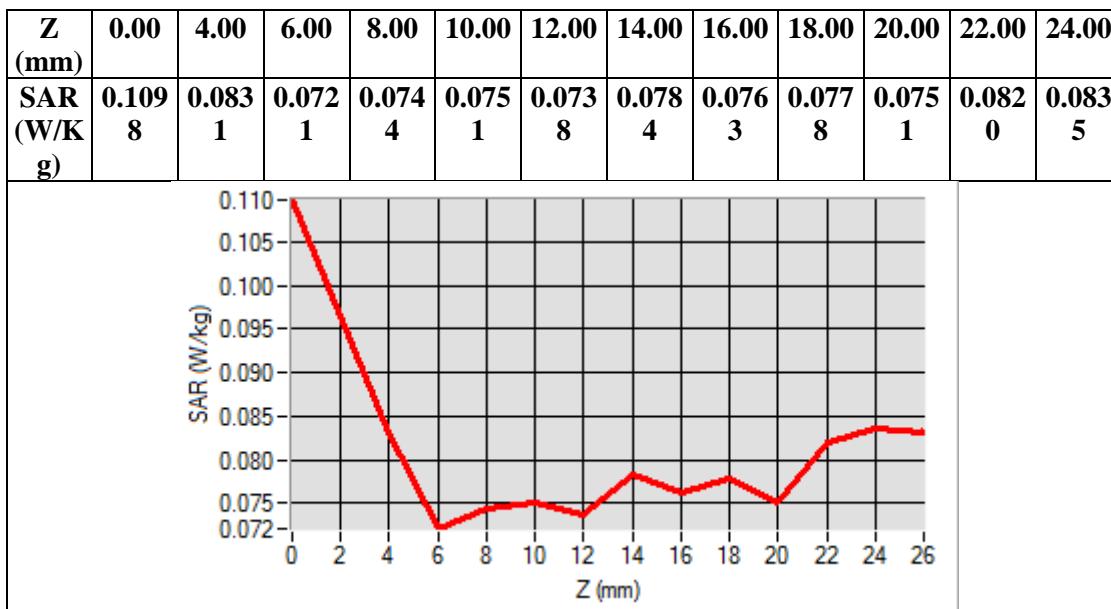
<b>SAR 10g (W/Kg)</b>	0.075797
<b>SAR 1g (W/Kg)</b>	0.078027

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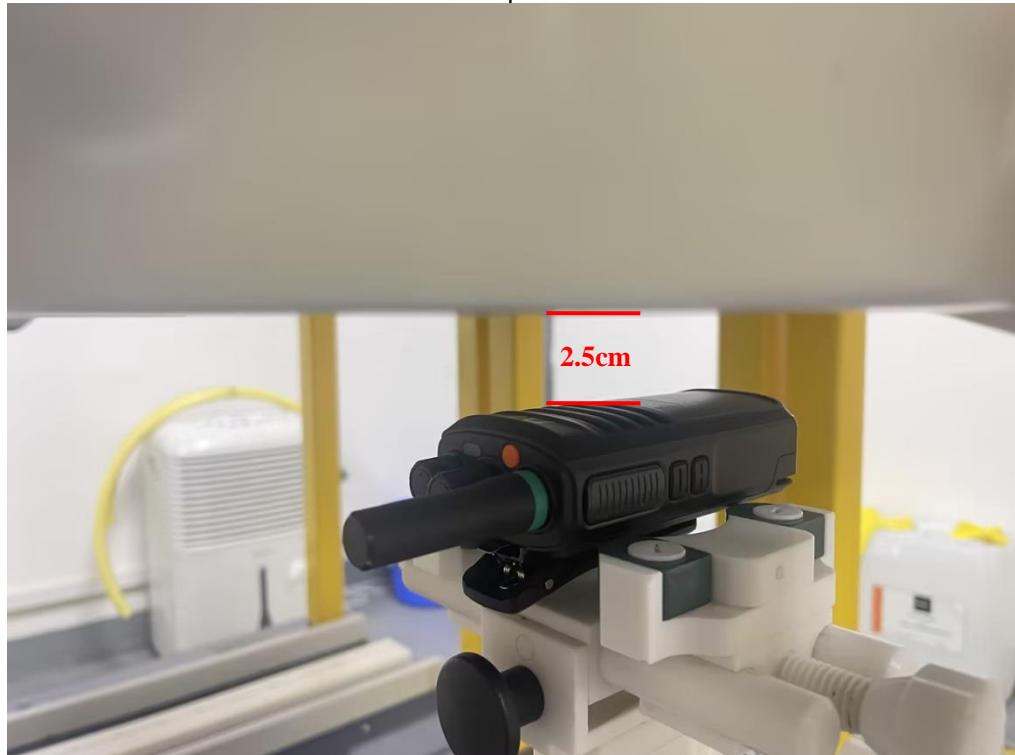
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**APPENDIX C. TEST SETUP PHOTOGRAPHS**

Face Up 2.5cm



Body-Back with all accessories 2.5cm



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### DEPTH OF THE LIQUID IN THE PHANTOM—ZOOM IN

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

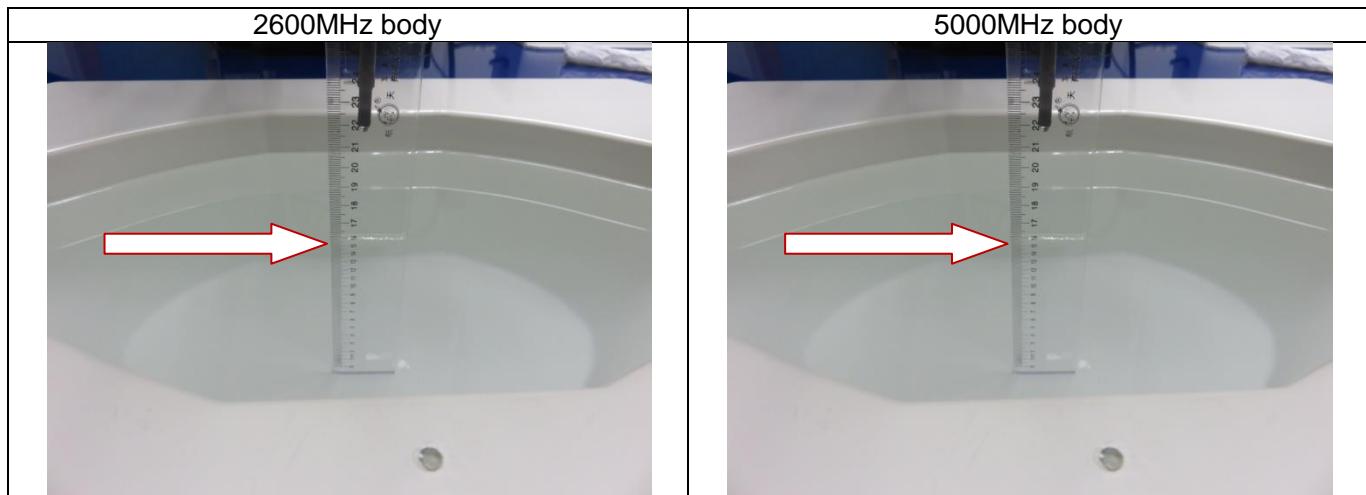
750MHz body	835MHz body
	
1900MHz body	1750MHz body
	
2300MHz body	2450MHz body
	

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## APPENDIX D. CALIBRATION DATA

Refer to Attached files.

----END OF REPORT----

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

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## 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 or warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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

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