

Date of measurement: 12/13/2022 Test mode: 5200 (Body)

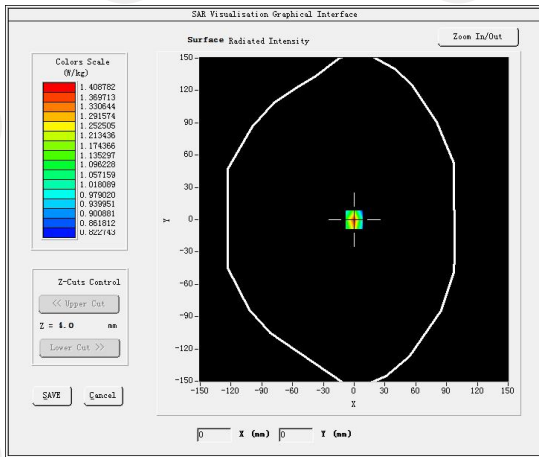
Product Description: Validation

Dipole Model: SID5000

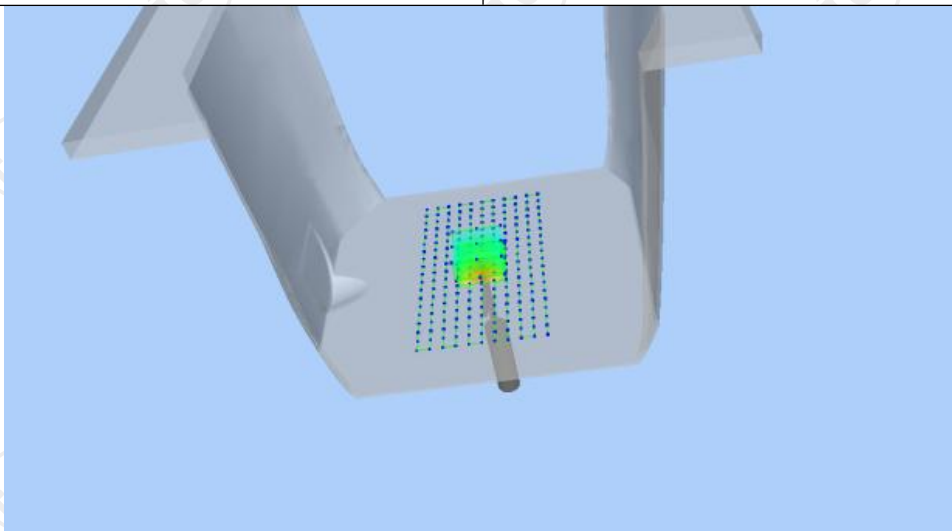
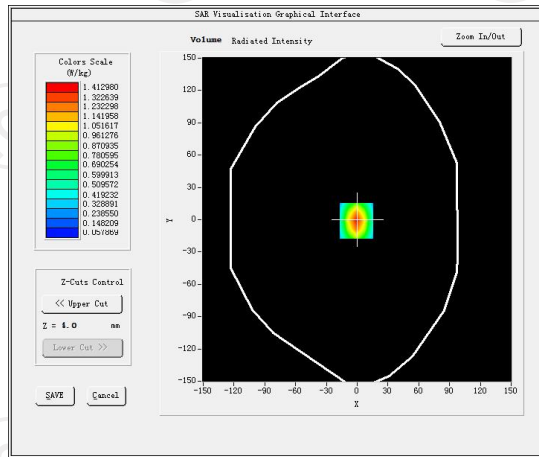
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.08
Frequency (MHz)	5200.000000
Relative permittivity (real part)	49.012077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	5.461883
Variation (%)	-3.140000
<b>SAR 10g (W/Kg)</b>	<b>5.514446</b>
<b>SAR 1g (W/Kg)</b>	<b>15.473123</b>

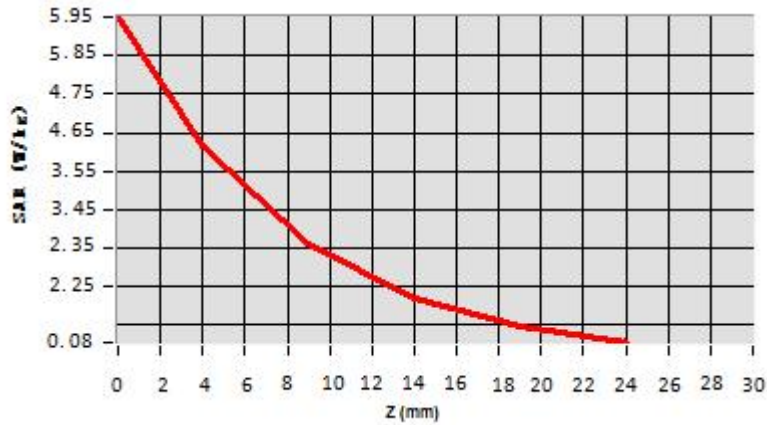
### SURFACE SAR



### VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.9525	0.6022	0.3594	0.2202	0.0725



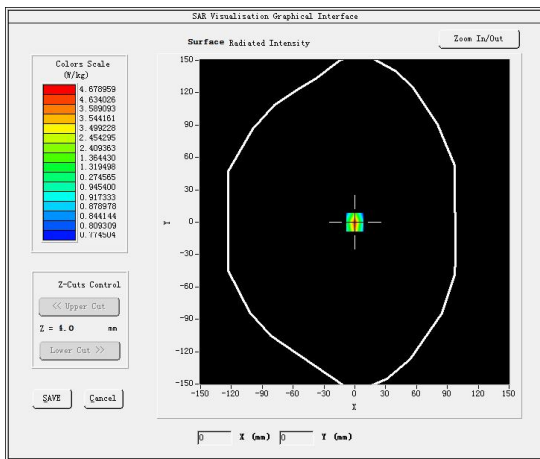
**Hot spot position**



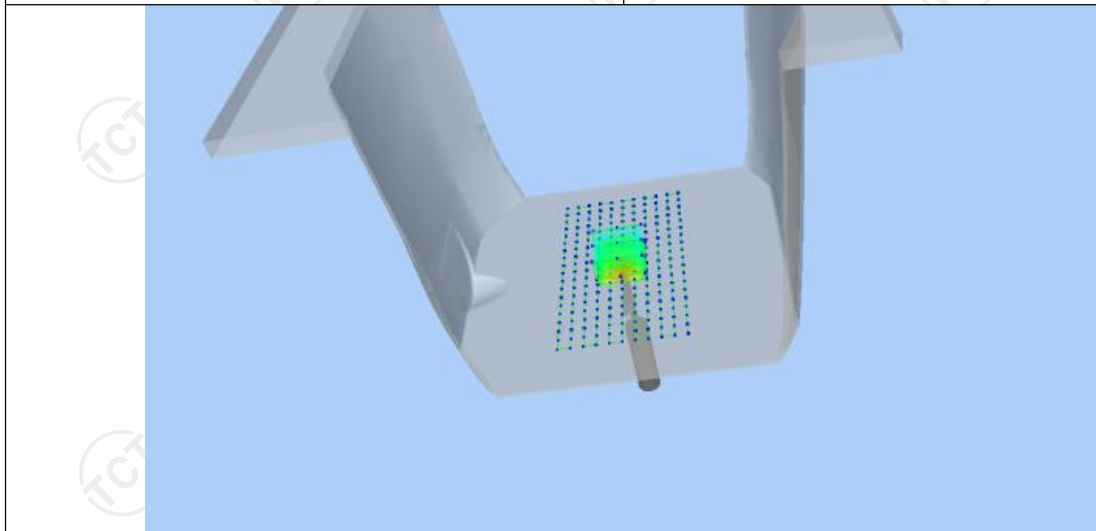
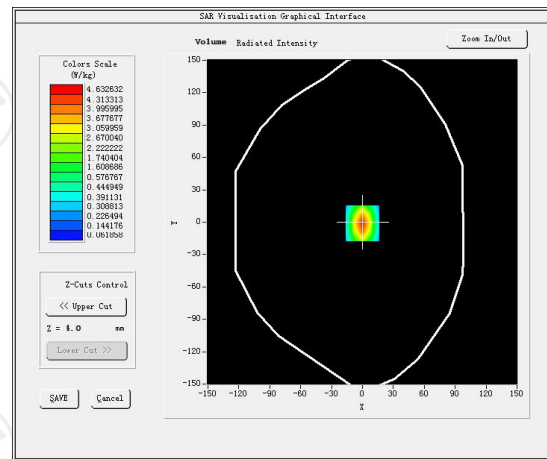
Date of measurement: 12/14/2022 Test mode: 5300MHz (Body)  
 Product Description: Validation  
 Dipole Model: SID5000  
 E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.99
Frequency (MHz)	5300.000000
Relative permittivity (real part)	49.522699
Relative permittivity (imaginary part)	15.200000
Conductivity (S/m)	5.400000
Variation (%)	0.450000
<b>SAR 10g (W/Kg)</b>	<b>5.813687</b>
<b>SAR 1g (W/Kg)</b>	<b>15.812547</b>

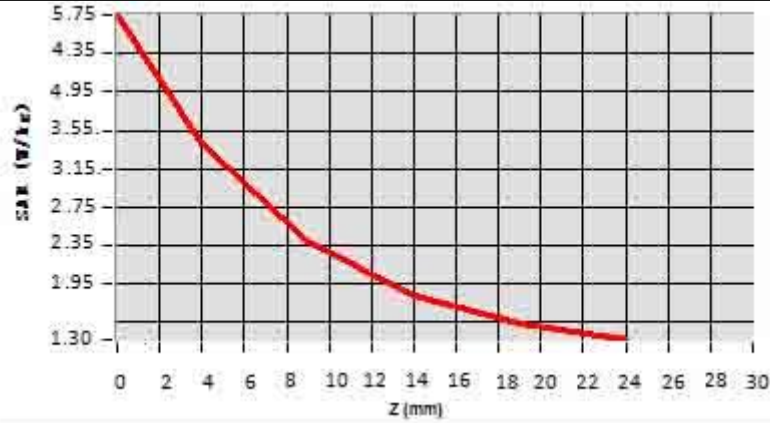
**SURFACE SAR**



**VOLUME SAR**



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.7545	2.4524	1.3520	0.8214	0.5525



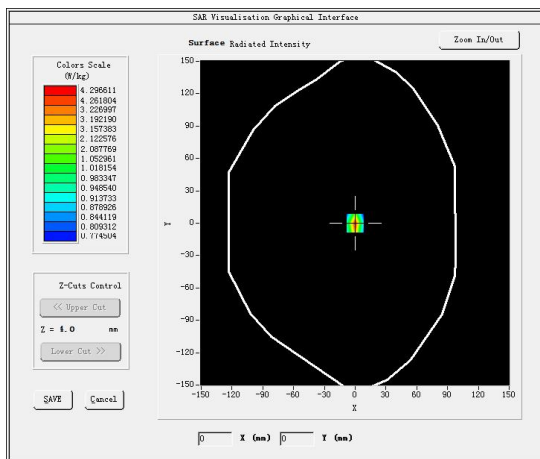
**Hot spot position**



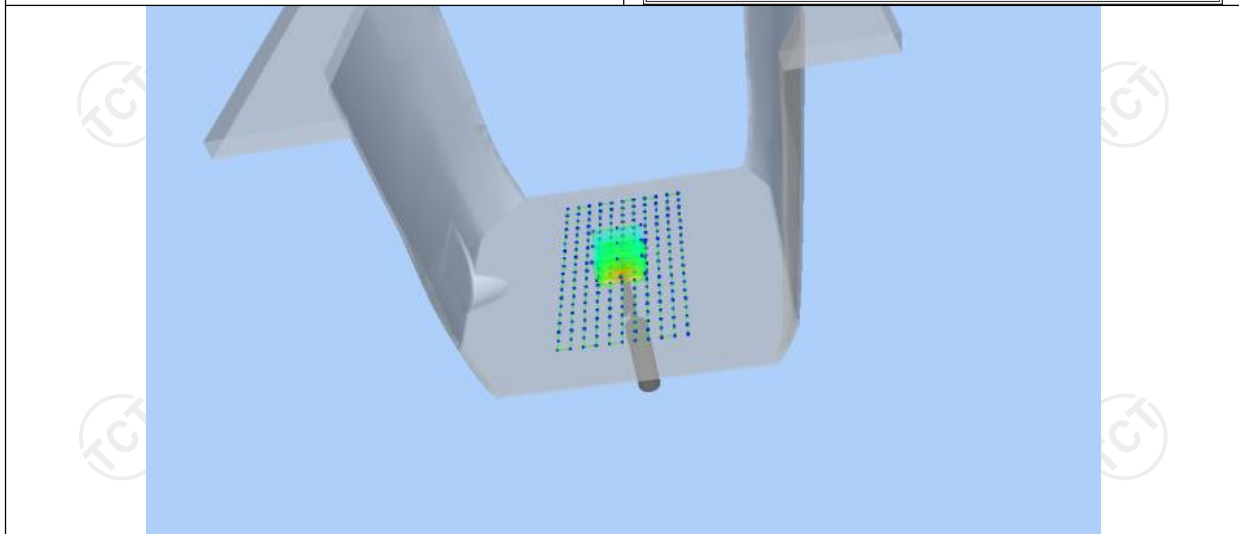
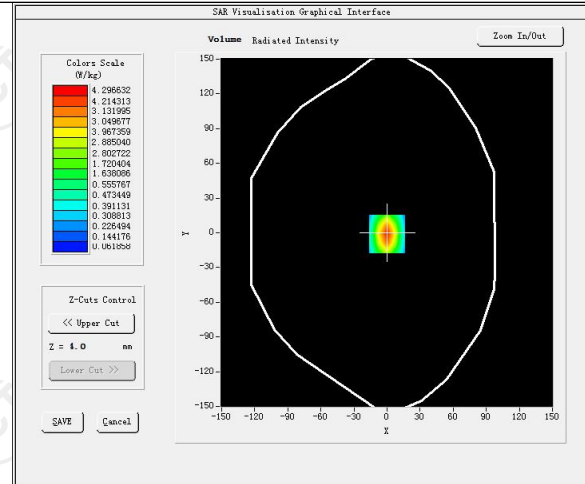
Date of measurement: 12/14/2022 Test mode: 5600MHz (Body)  
 Product Description: Validation  
 Dipole Model: SID5000  
 E-Field Probe: SSE2 (SN 36/20 EPG0346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.12
Frequency (MHz)	5600.000000
Relative permittivity (real part)	47.593299
Relative permittivity (imaginary part)	14.329440
Conductivity (S/m)	5.530354
Variation (%)	1.410000
<b>SAR 10g (W/Kg)</b>	<b>6.024255</b>
<b>SAR 1g (W/Kg)</b>	<b>17.634112</b>

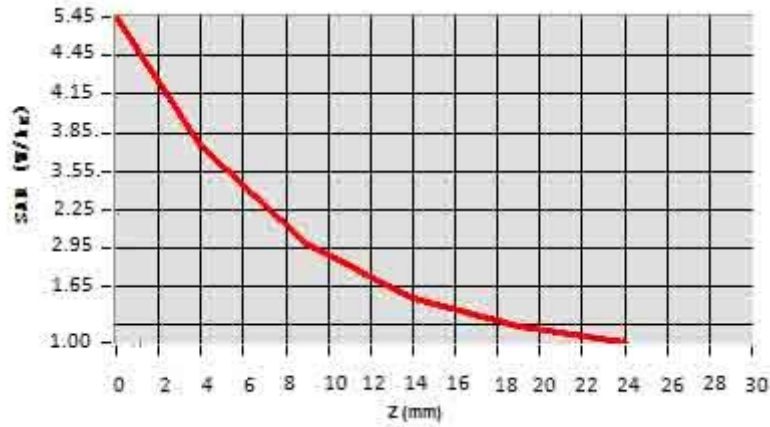
**SURFACE SAR**



**VOLUME SAR**



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.4532	2.7154	1.9525	1.5694	0.9014



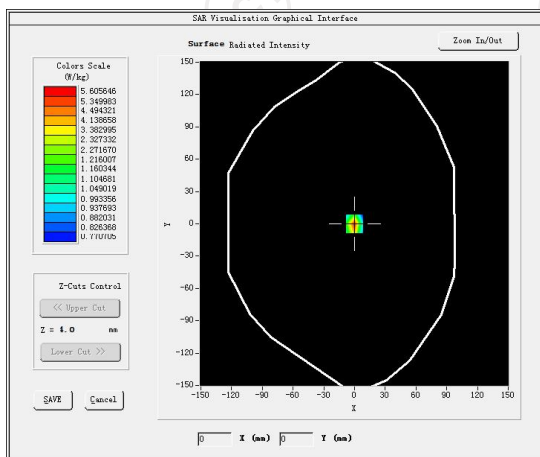
Hot spot position



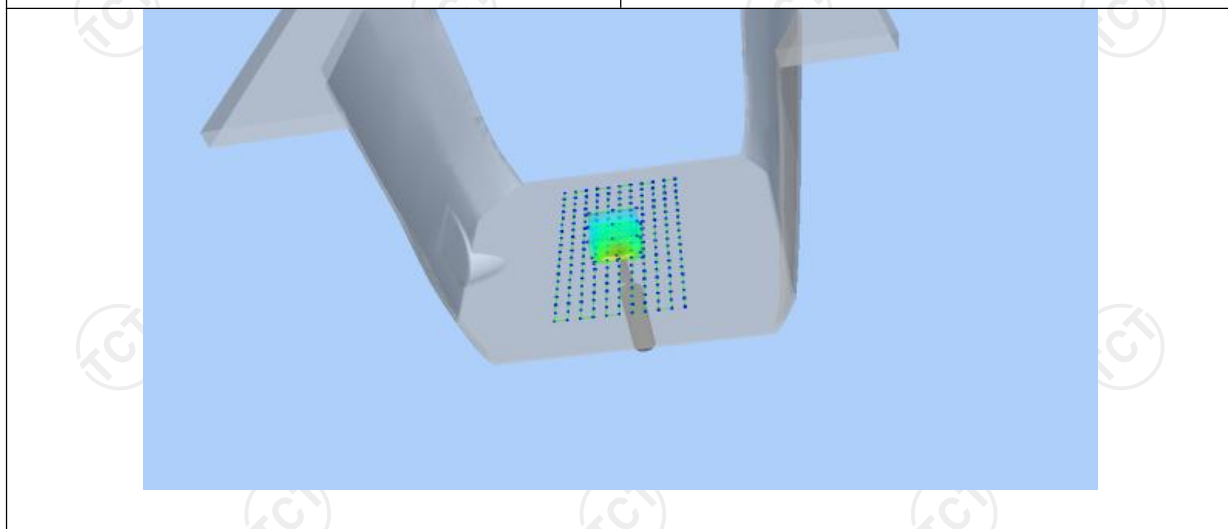
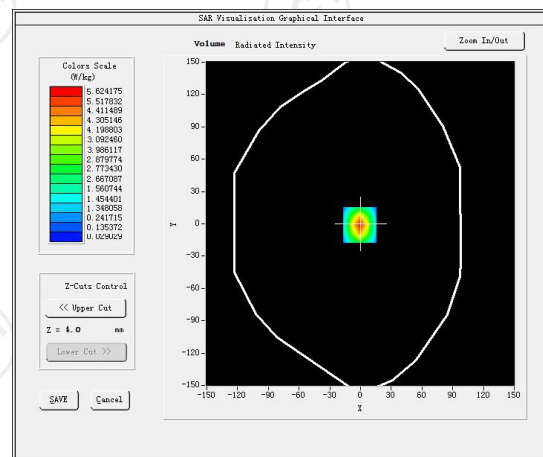
Date of measurement: 12/14/2022 Test mode: 5800MHz (Body)  
 Product Description: Validation  
 Dipole Model: SID5000  
 E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.13
Frequency (MHz)	5800.000000
Relative permittivity (real part)	47.803887
Relative permittivity (imaginary part)	14.935214
Conductivity (S/m)	5.954821
Variation (%)	-1.420000
<b>SAR 10g (W/Kg)</b>	<b>6.182177</b>
<b>SAR 1g (W/Kg)</b>	<b>18.301098</b>

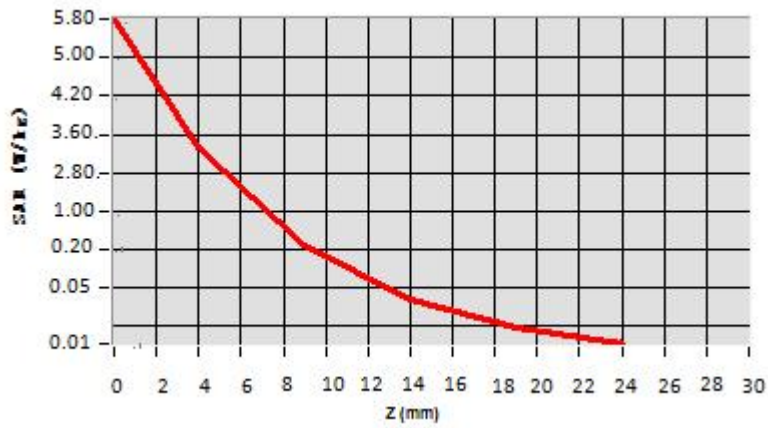
### SURFACE SAR



### VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.7721	3.2210	0.1937	0.0321	0.0203



**Hot spot position**





## 12. SAR Test Data

WIFI 2.4G

### SAR Measurement at IEEE 802.11b ISM (Body, Validation Plane)

Date of measurement: 13/12/2022

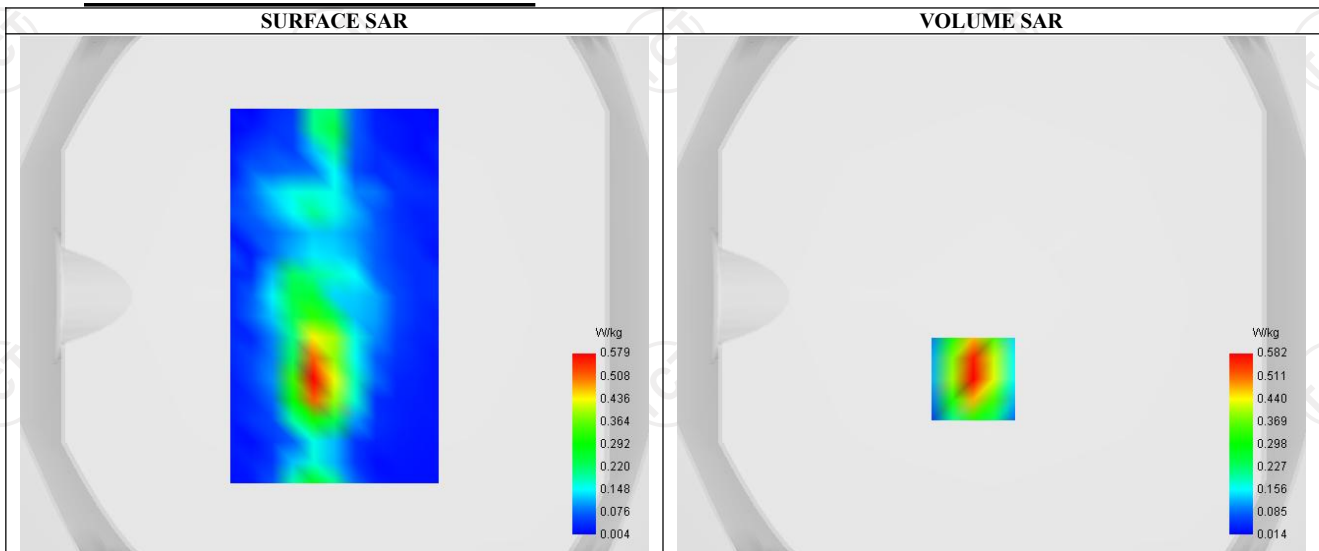
#### A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPGO346)
ConvF	2.37
Area Scan	surf sam plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11b ISM
Channels	Higher (11)
Signal	IEEE 802.11

#### B. Permittivity

Frequency (MHz)	2462.000
Relative permittivity (real part)	54.592
Relative permittivity (imaginary part)	14.930
Conductivity (S/m)	2.032

#### C. SAR Surface and Volume



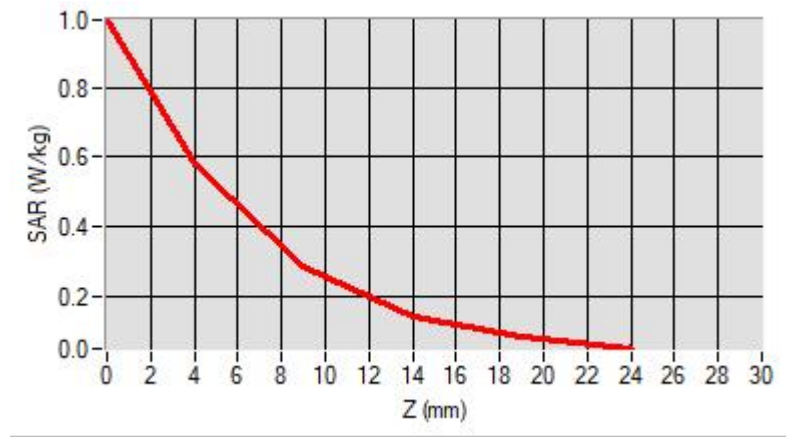
Maximum location: X=-7.00, Y=-32.00 ; SAR Peak: 1.02 W/kg

#### D. SAR 1g & 10g

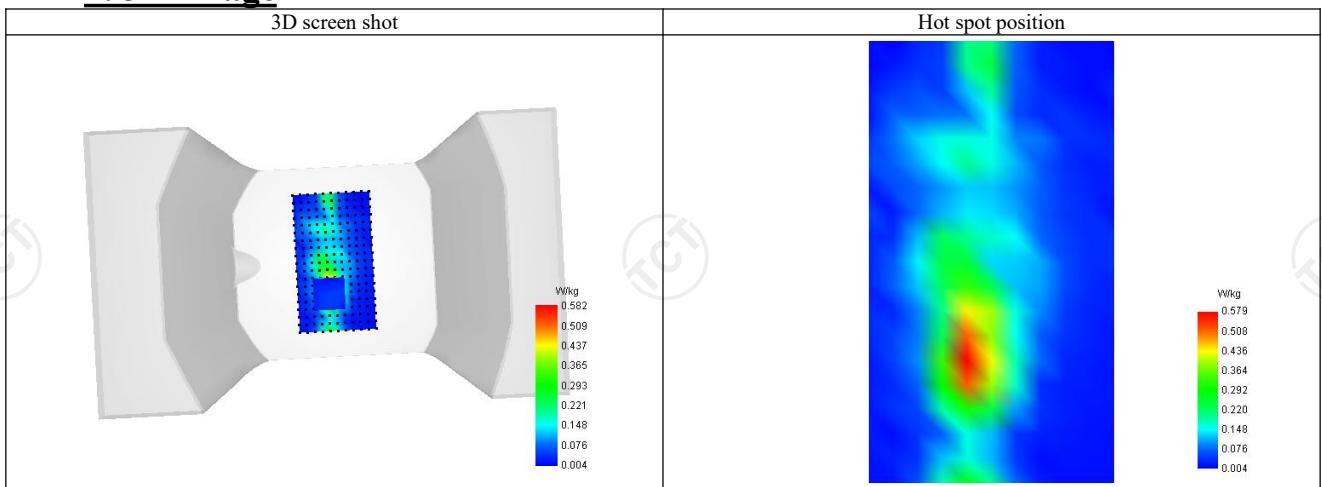
SAR 10g (W/Kg)	0.263
SAR 1g (W/Kg)	0.543
Variation (%)	-3.440
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

#### E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.994	0.582	0.285	0.143	0.081



**F. 3D Image**



WIFI 5.2G

**SAR Measurement at IEEE 802.11ac U-NII (Body, Validation Plane)**

Date of measurement: 13/12/2022

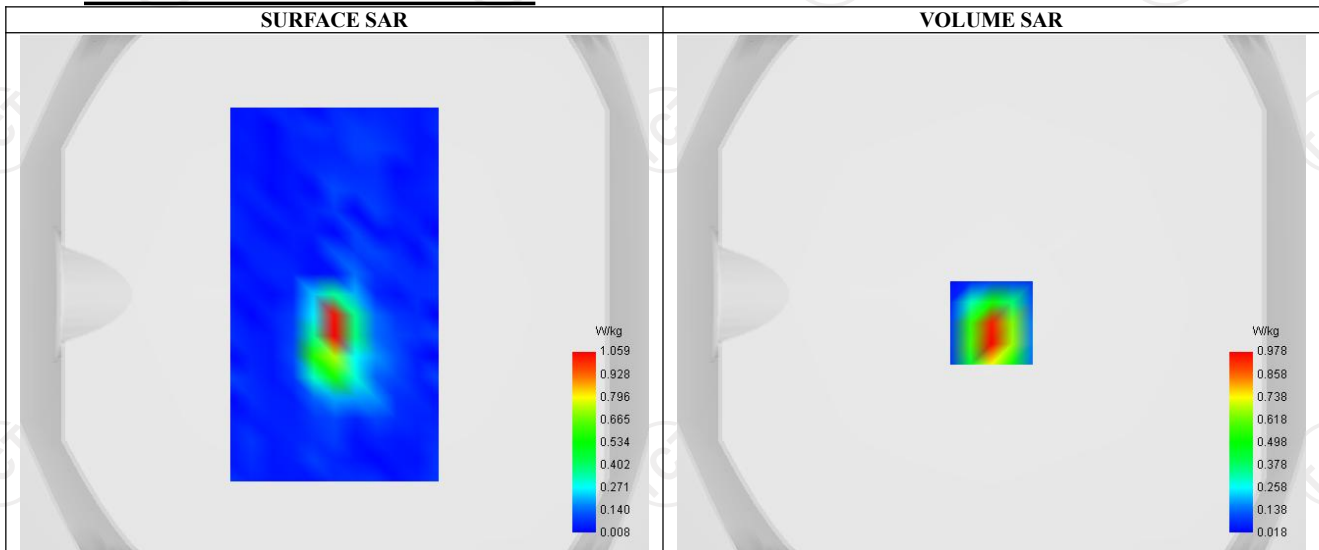
**A. Experimental conditions.**

Probe	SSE2 (SN 36/20 EPGO346)
ConvF	2.08
Area Scan	surf sam plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11ac U-NII
Channels	Middle (42)
Signal	IEEE 802.11

**B. Permittivity**

Frequency (MHz)	5210.000
Relative permittivity (real part)	49.012
Relative permittivity (imaginary part)	21.378
Conductivity (S/m)	5.462

**C. SAR Surface and Volume**



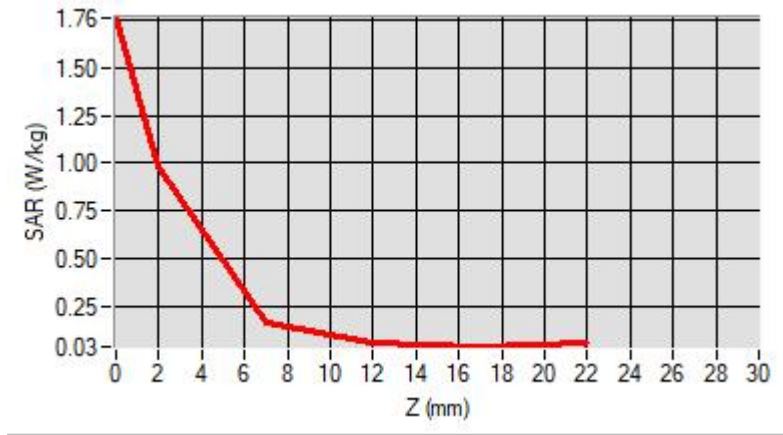
Maximum location: X=0.00, Y=-11.00 ; SAR Peak: 1.69 W/kg

**D. SAR 1g & 10g**

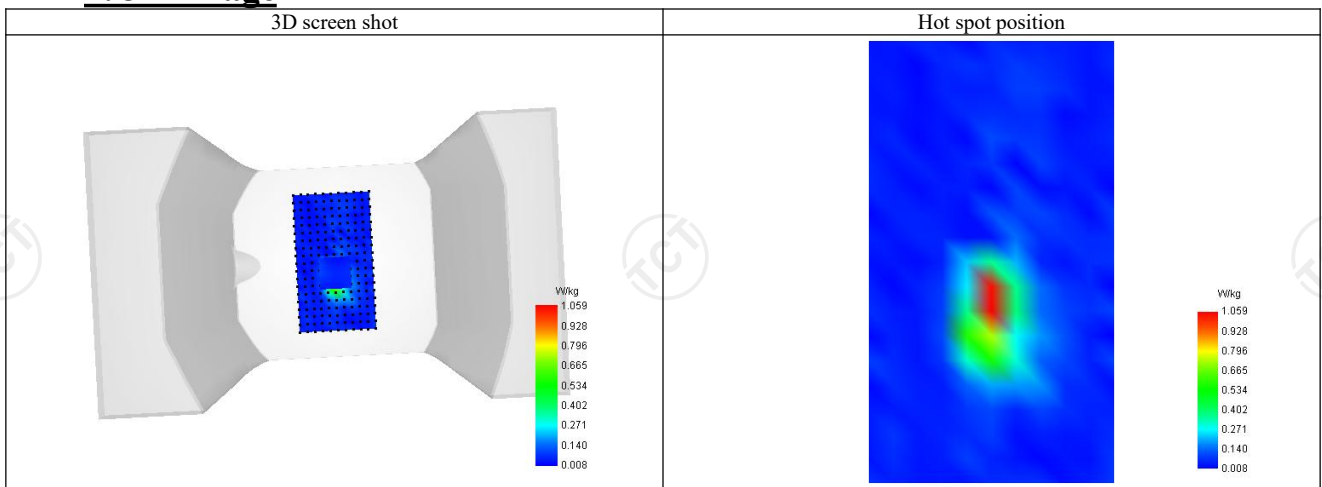
SAR 10g (W/Kg)	0.241
SAR 1g (W/Kg)	0.591
Variation (%)	-2.530
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

**E. Z Axis Scan**

Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	1.763	0.978	0.158	0.055	0.035



**F. 3D Image**



WIFI 5.3G

**SAR Measurement at IEEE 802.11ac U-NII (Body, Validation Plane)**

Date of measurement: 14/12/2022

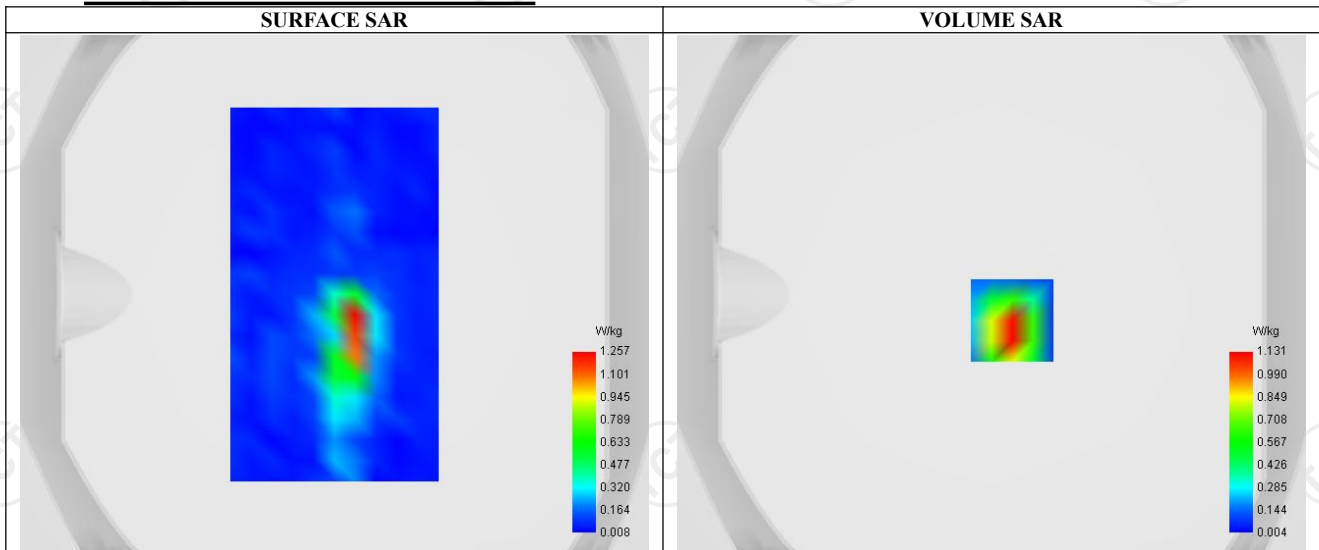
**A. Experimental conditions.**

Probe	SSE2 (SN 36/20 EPGO346)
ConvF	1.99
Area Scan	surf sam plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11ac U-NII
Channels	Middle (56)
Signal	IEEE 802.11

**B. Permittivity**

Frequency (MHz)	5280.000
Relative permittivity (real part)	49.523
Relative permittivity (imaginary part)	15.200
Conductivity (S/m)	5.400

**C. SAR Surface and Volume**



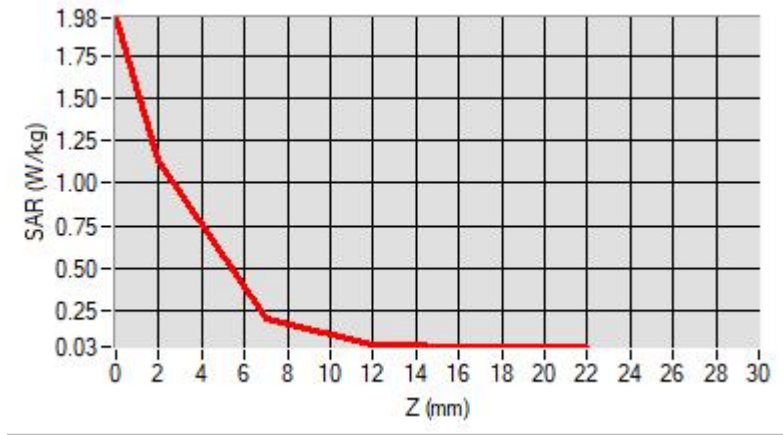
Maximum location: X=8.00, Y=-10.00 ; SAR Peak: 2.01 W/kg

**D. SAR 1g & 10g**

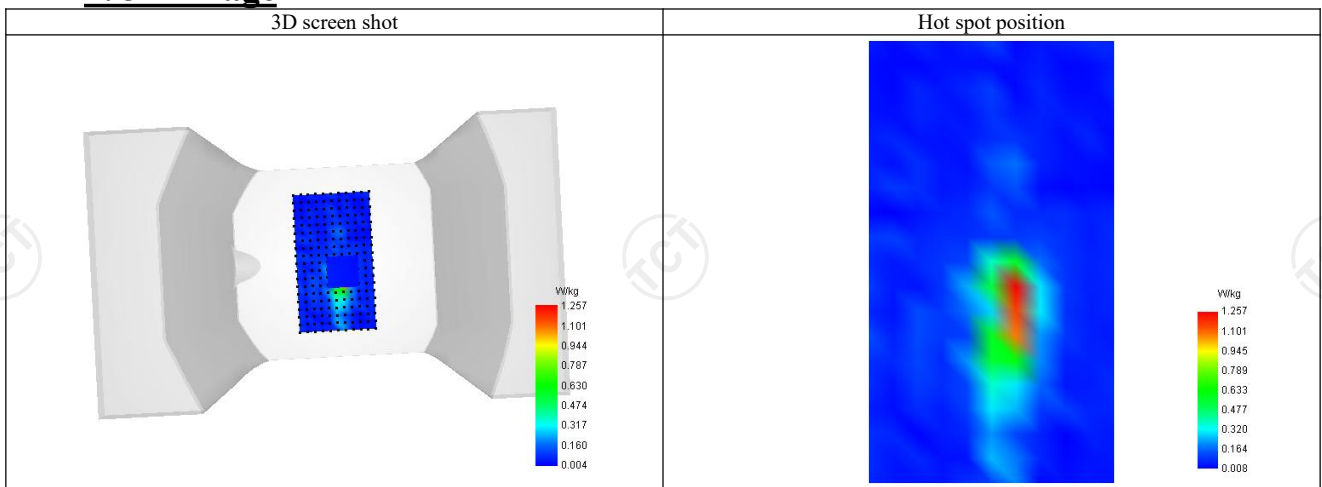
SAR 10g (W/Kg)	0.270
SAR 1g (W/Kg)	0.690
Variation (%)	1.990
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

**E. Z Axis Scan**

Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	1.978	1.131	0.194	0.048	0.033



**F. 3D Image**



WIFI 5.6G

**SAR Measurement at IEEE 802.11ac U-NII (Body, Validation Plane)**

Date of measurement: 14/12/2022

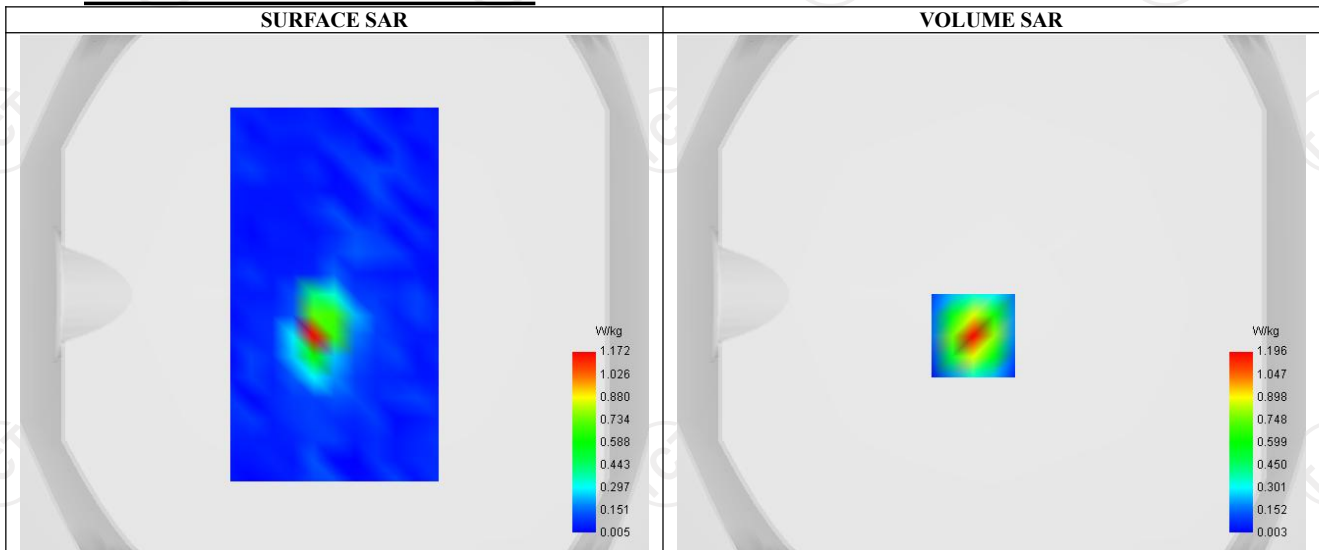
**A. Experimental conditions.**

Probe	SSE2 (SN 36/20 EPGO346)
ConvF	2.12
Area Scan	surf sam plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11ac U-NII
Channels	Higher (140)
Signal	IEEE 802.11

**B. Permittivity**

Frequency (MHz)	5700.000
Relative permittivity (real part)	47.593
Relative permittivity (imaginary part)	14.329
Conductivity (S/m)	5.530

**C. SAR Surface and Volume**



Maximum location: X=-7.00, Y=-16.00 ; SAR Peak: 2.21 W/kg

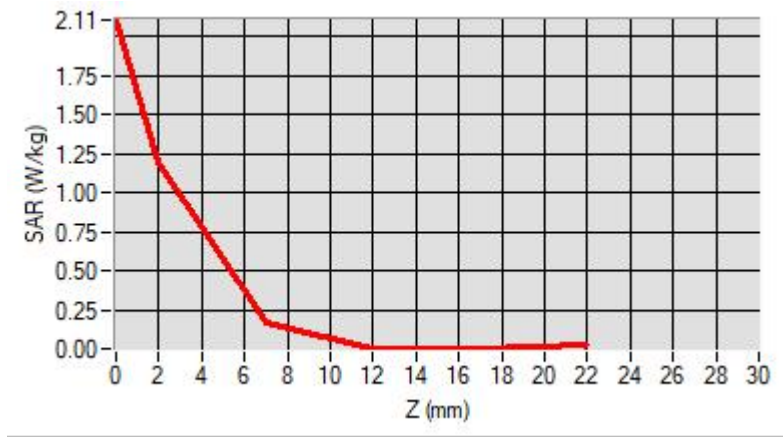
**D. SAR 1g & 10g**

SAR 10g (W/Kg)	0.248
SAR 1g (W/Kg)	0.671
Variation (%)	-3.010
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

**E. Z Axis Scan**

Z (mm)	0.00	2.00	7.00	12.00	17.00
SAR (W/Kg)	2.108	1.196	0.173	0.007	0.003





**F. 3D Image**

