

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

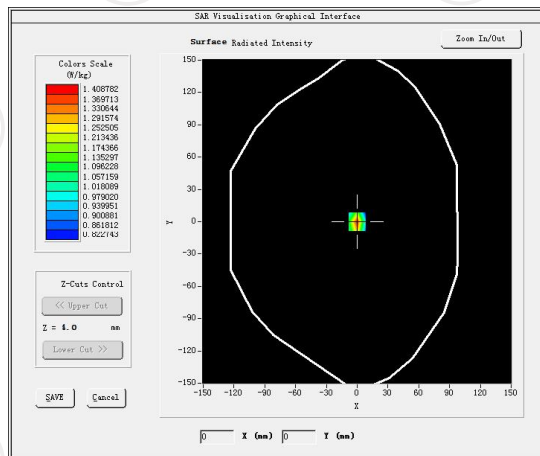
Product Description: Validation

Dipole Model: SID5000

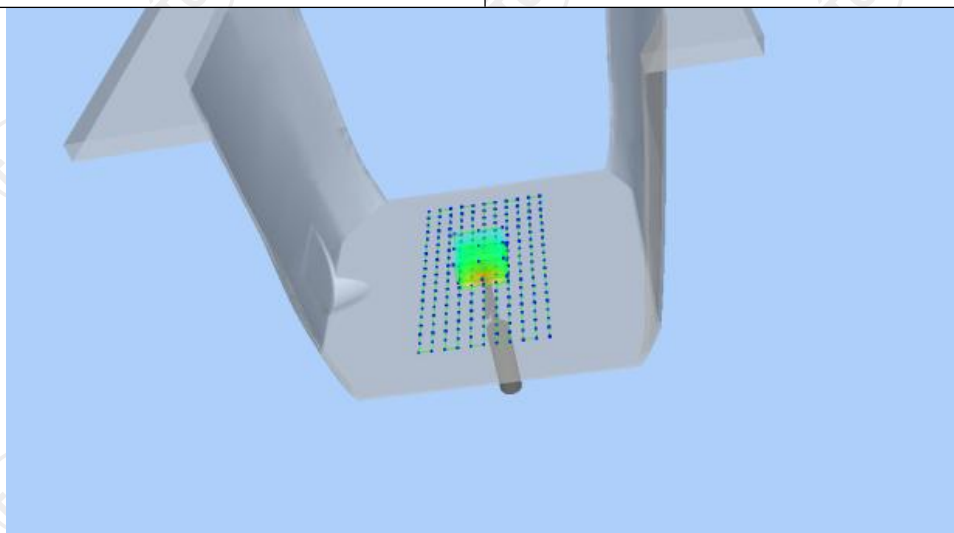
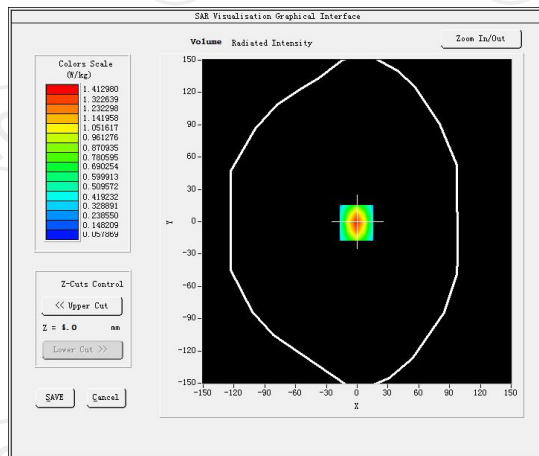
E-Field Probe: SSE2 (SN 36/20 EPGO346)

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
SAR 10g (W/Kg)	5.514446
SAR 1g (W/Kg)	15.473123

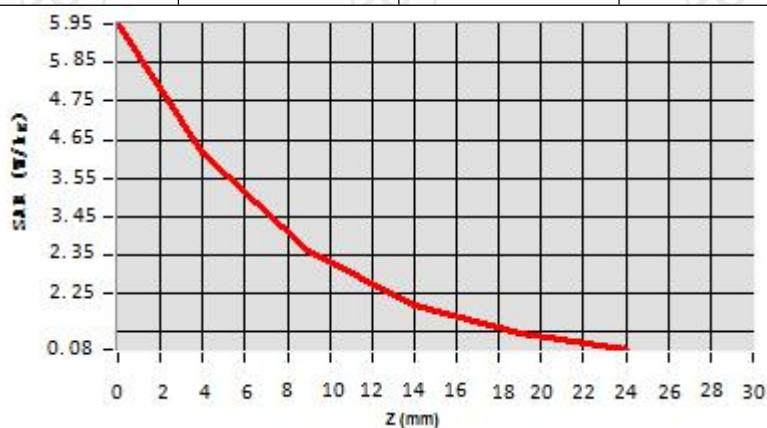
SURFACE SAR



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)

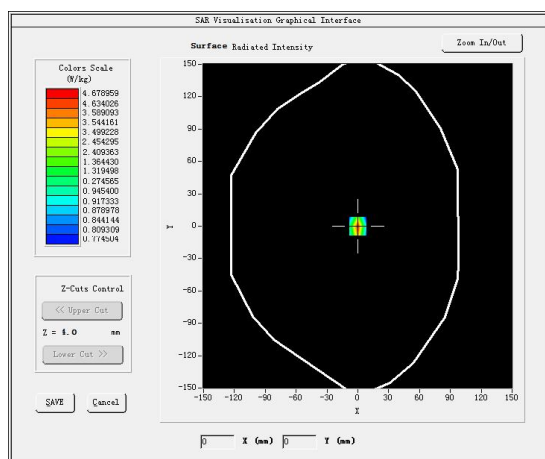
Product Description: Validation

Dipole Model: SID5000

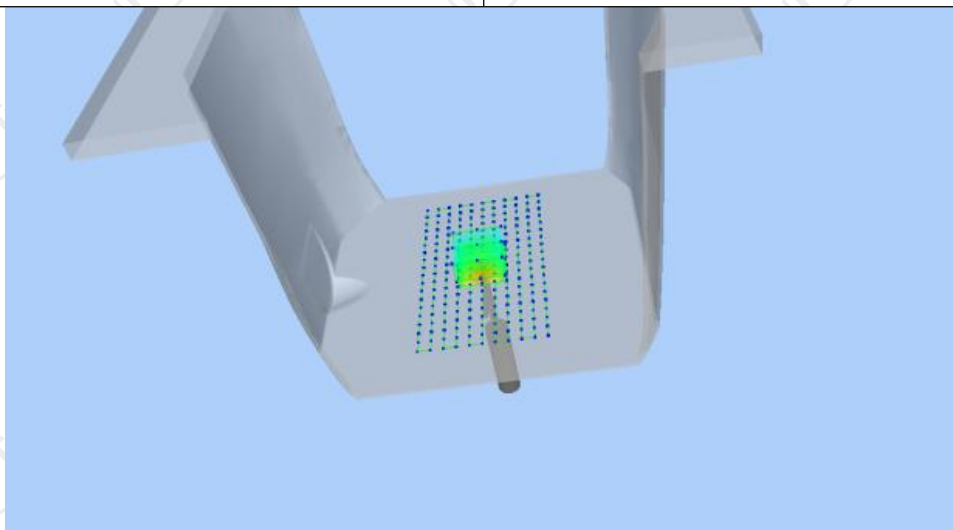
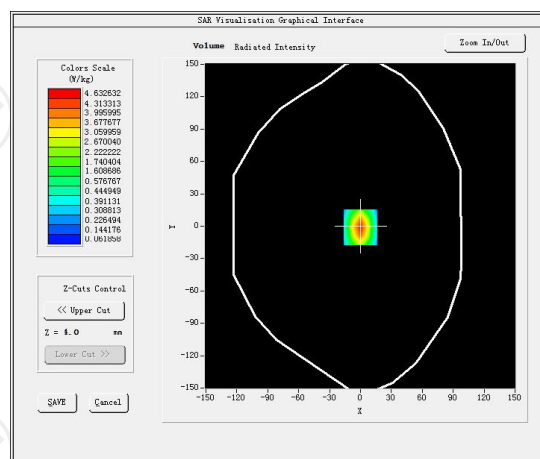
E-Field Probe: SSE2 (SN 36/20 EPG0346)

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
SAR 10g (W/Kg)	5.813687
SAR 1g (W/Kg)	15.812547

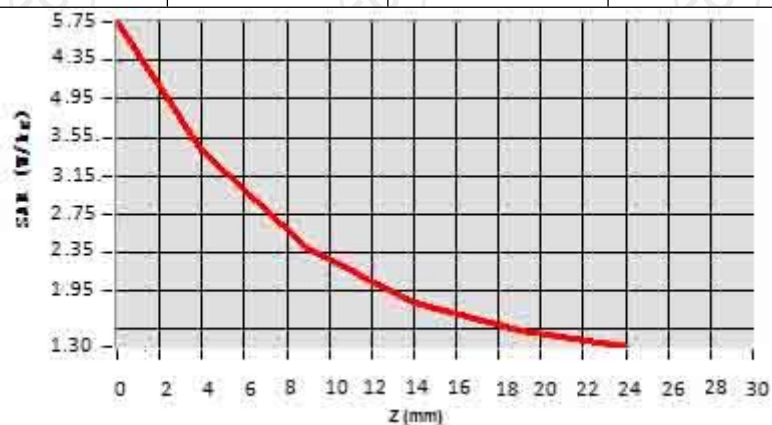
SURFACE SAR



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)

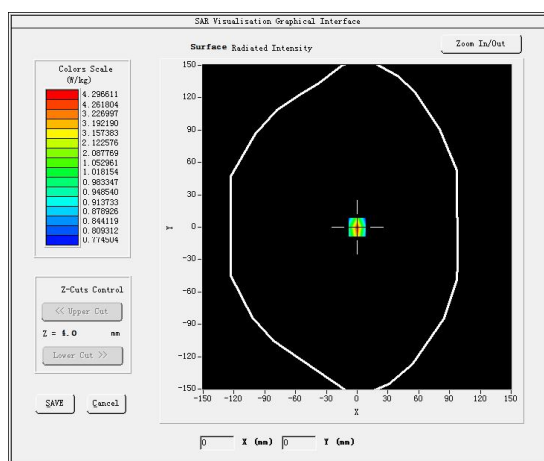
Product Description: Validation

Dipole Model: SID5000

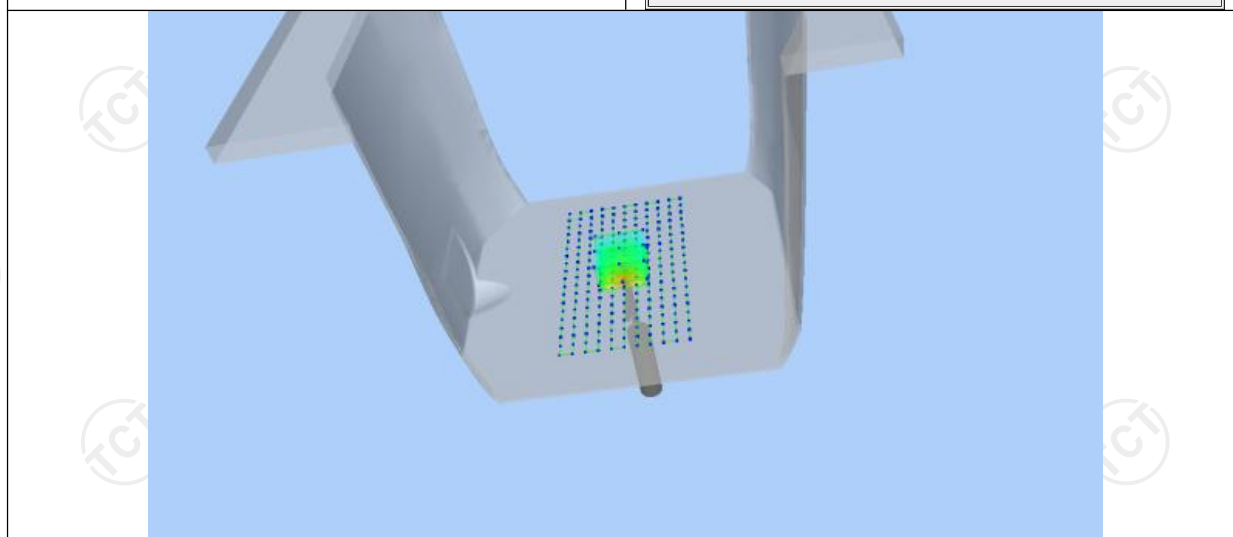
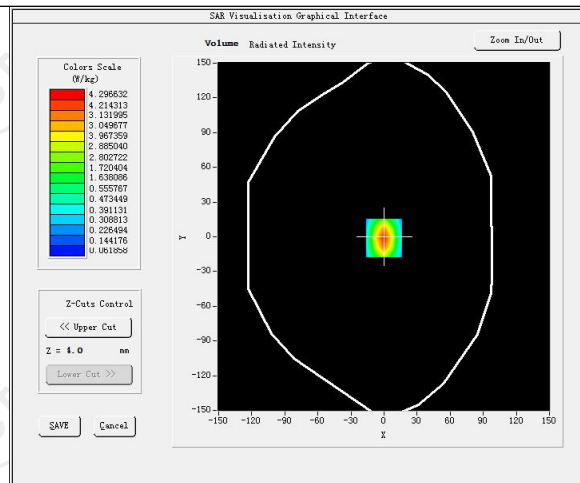
E-Field Probe: SSE2 (SN 36/20 EPG0346)

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
SAR 10g (W/Kg)	6.024255
SAR 1g (W/Kg)	17.634112

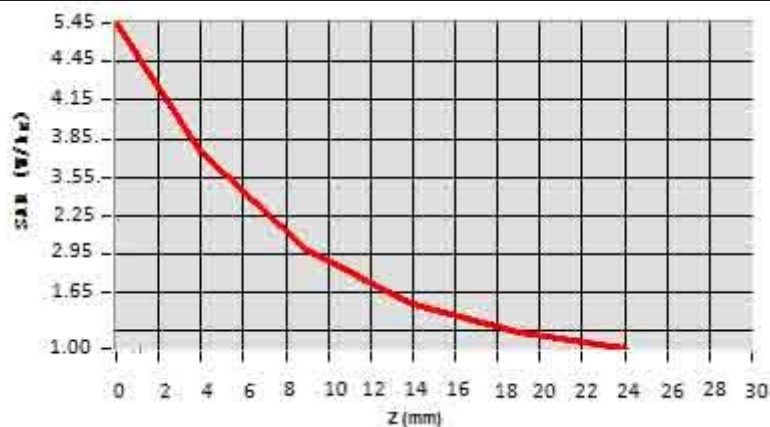
SURFACE SAR



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)

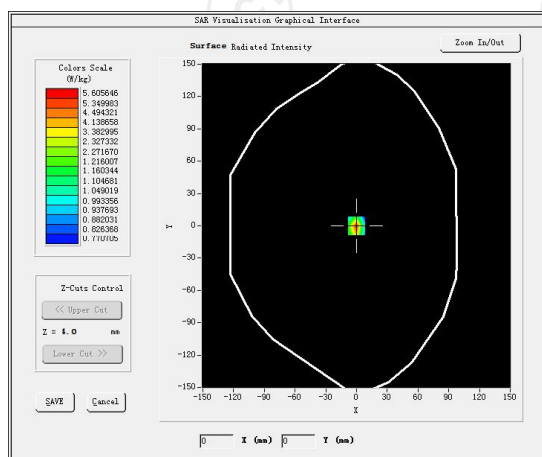
Product Description: Validation

Dipole Model: SID5000

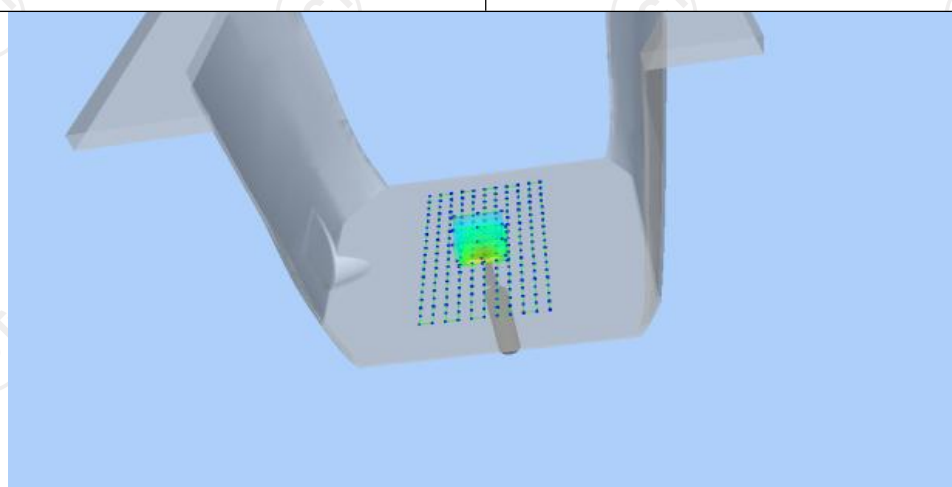
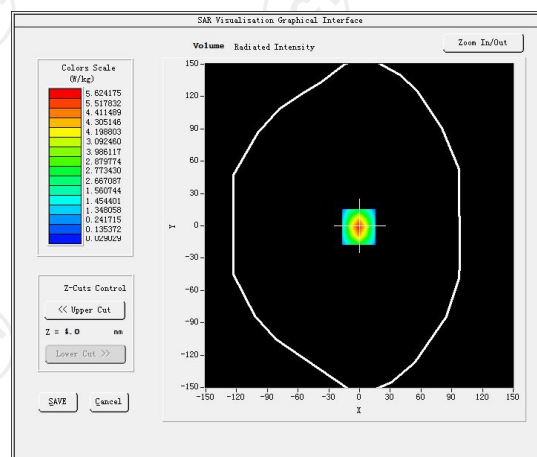
E-Field Probe: SSE2 (SN 36/20 EPGO346)

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
SAR 10g (W/Kg)	6.182177
SAR 1g (W/Kg)	18.301098

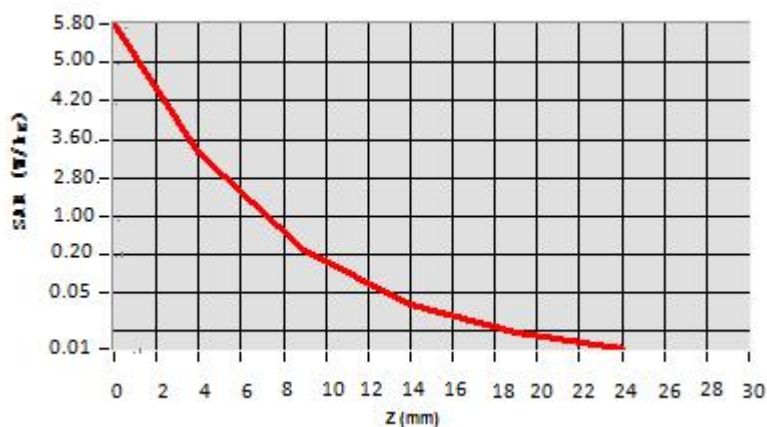
SURFACE SAR



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

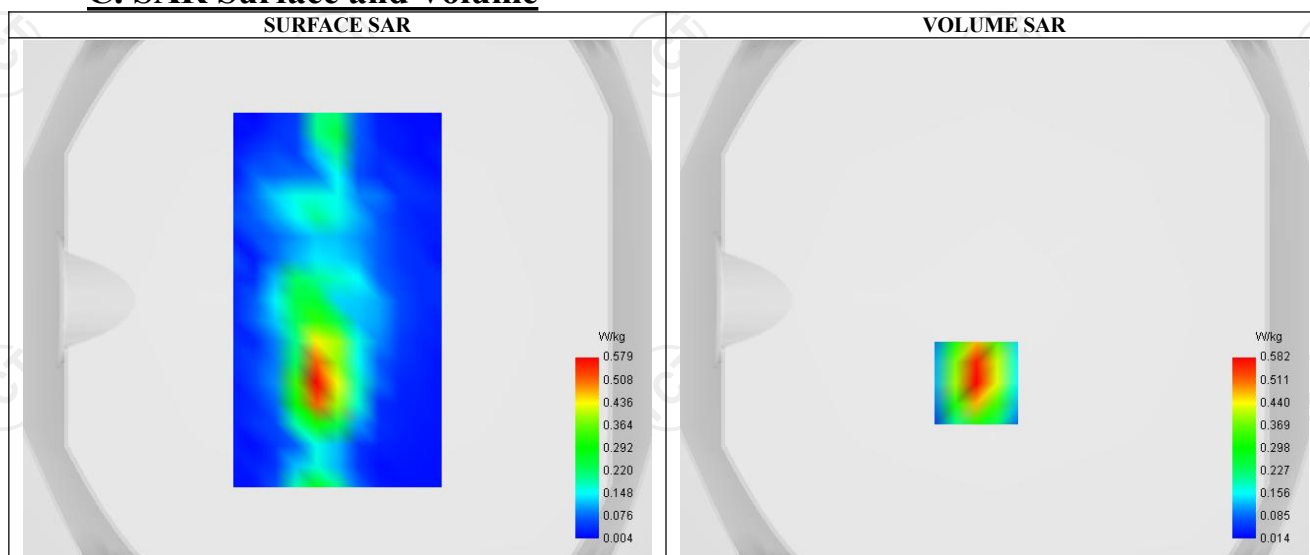
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
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

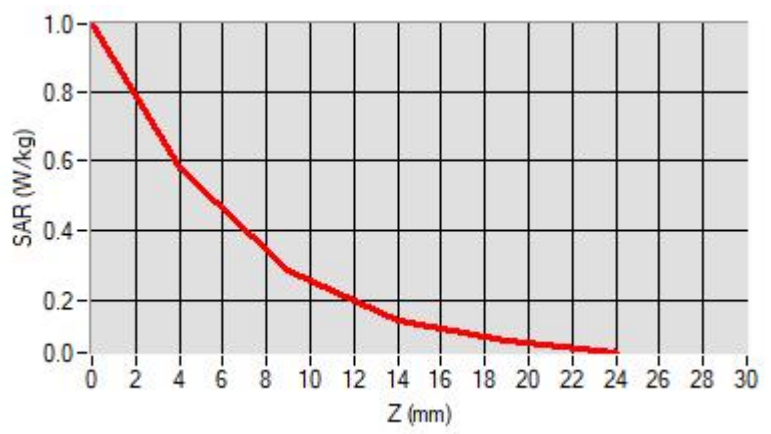


D. SAR 1g & 10g

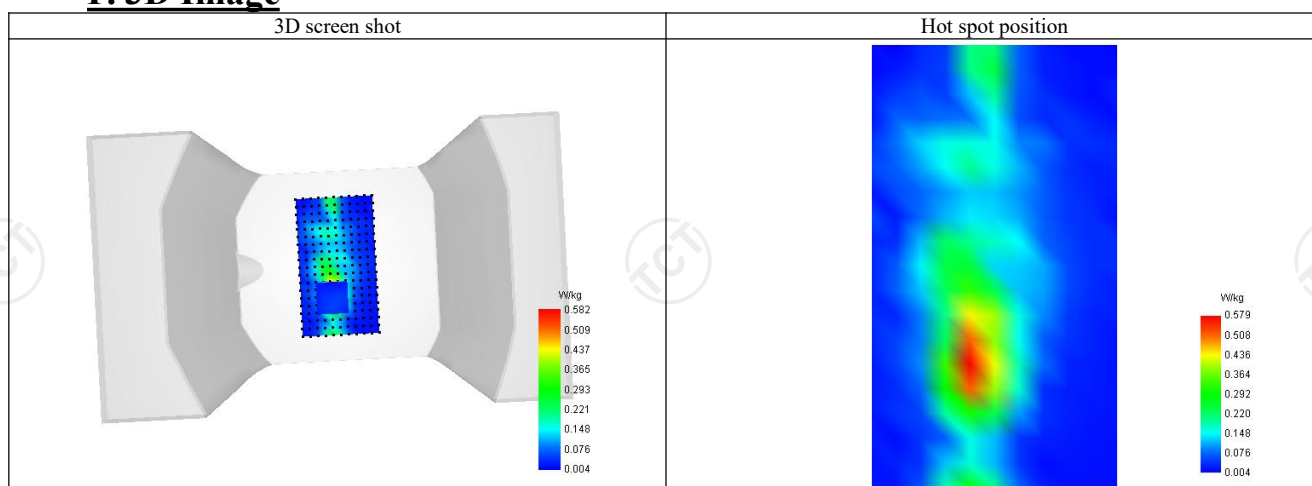
SAR 10g (W/Kg)	0.263
SAR 1g (W/Kg)	0.543
Variation (%)	-3.440
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

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

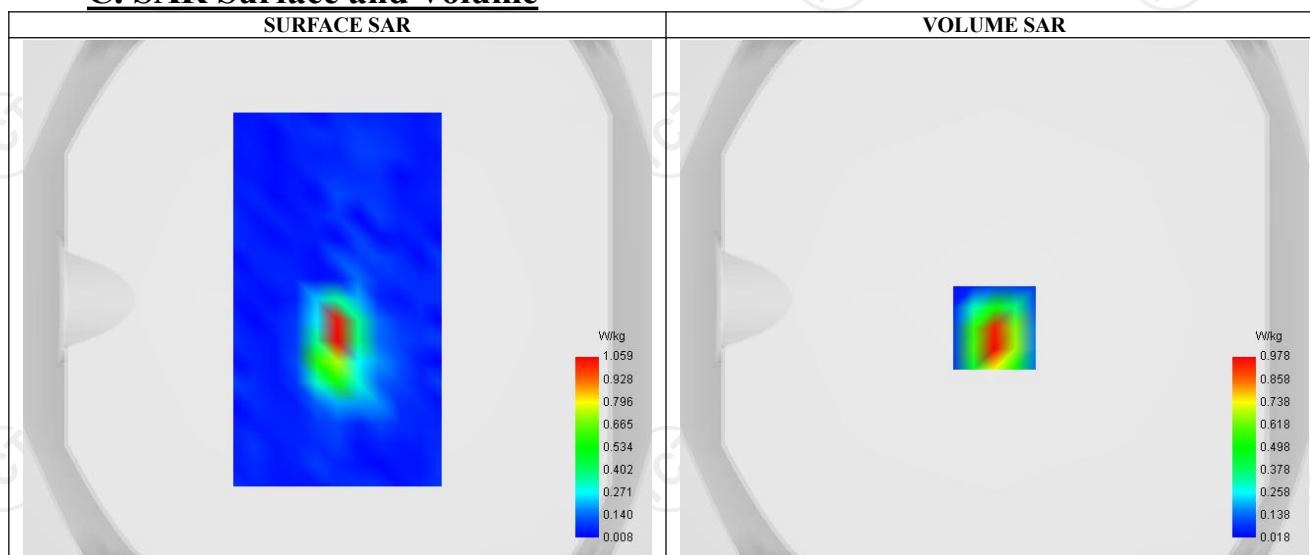
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
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



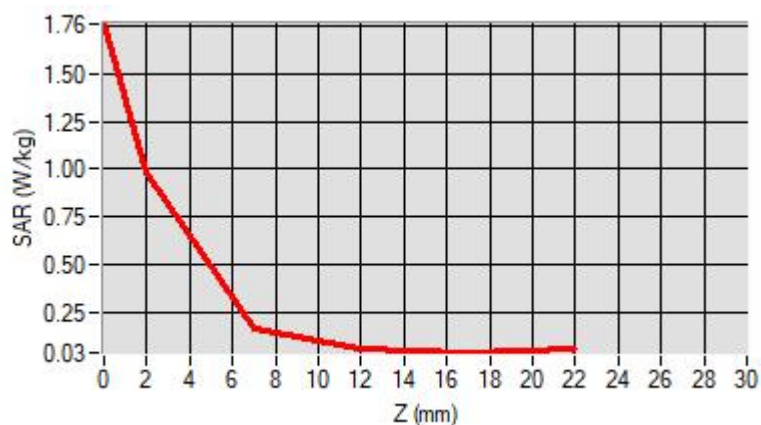
Maximum location: X=0.00, Y=-11.00 ; SAR Peak: 1.69 W/kg

D. SAR 1g & 10g

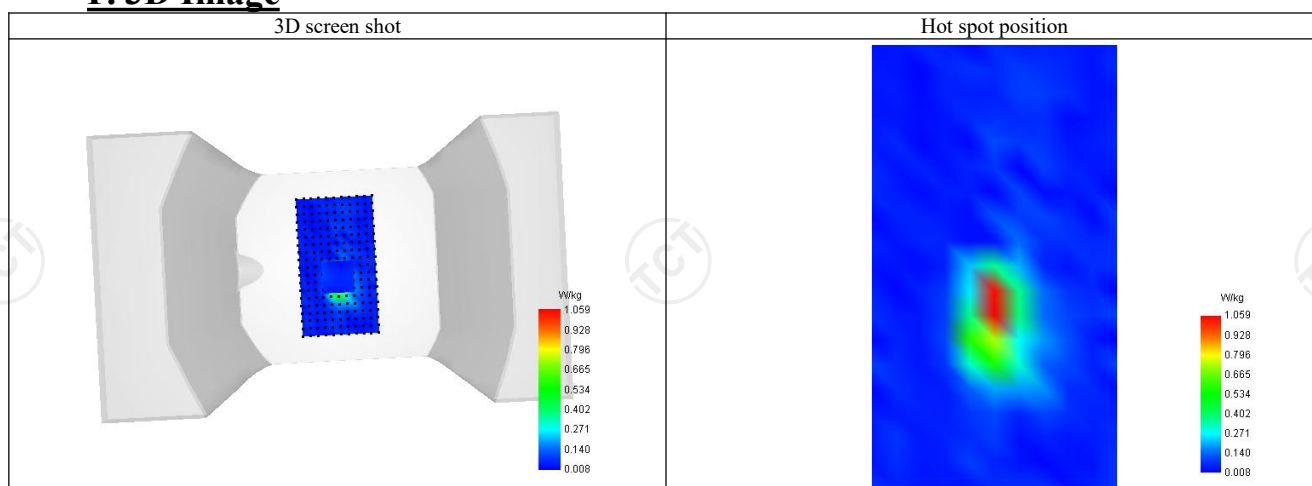
SAR 10g (W/Kg)	0.241
SAR 1g (W/Kg)	0.591
Variation (%)	-2.530
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

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

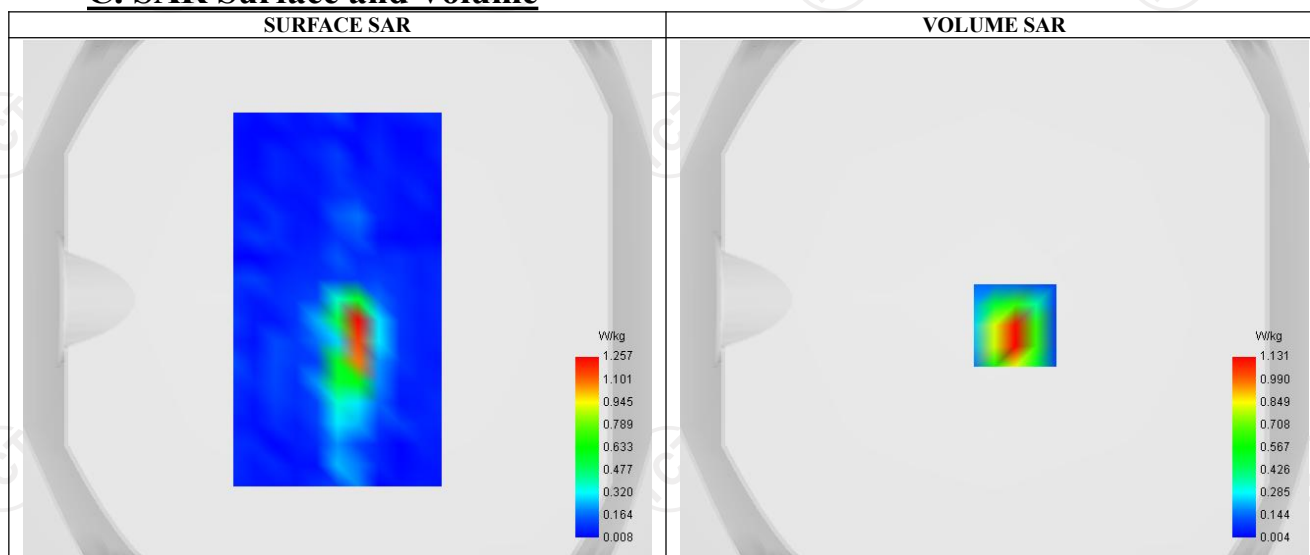
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
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



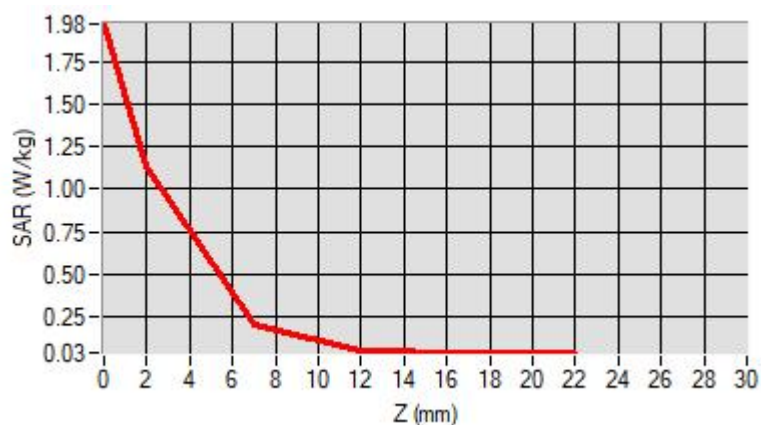
Maximum location: X=8.00, Y=-10.00 ; SAR Peak: 2.01 W/kg

D. SAR 1g & 10g

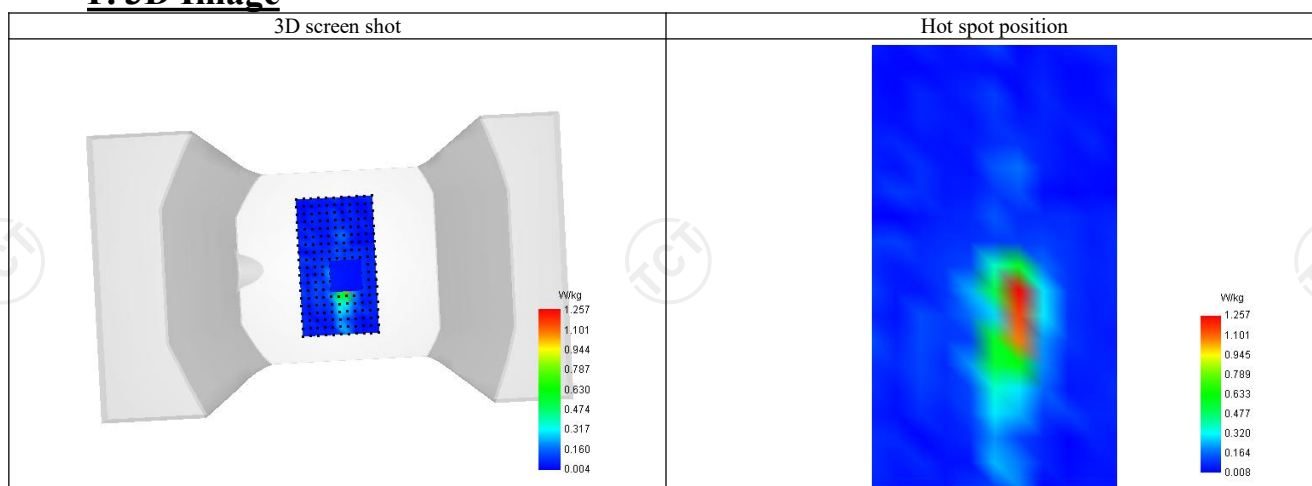
SAR 10g (W/Kg)	0.270
SAR 1g (W/Kg)	0.690
Variation (%)	1.990
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

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

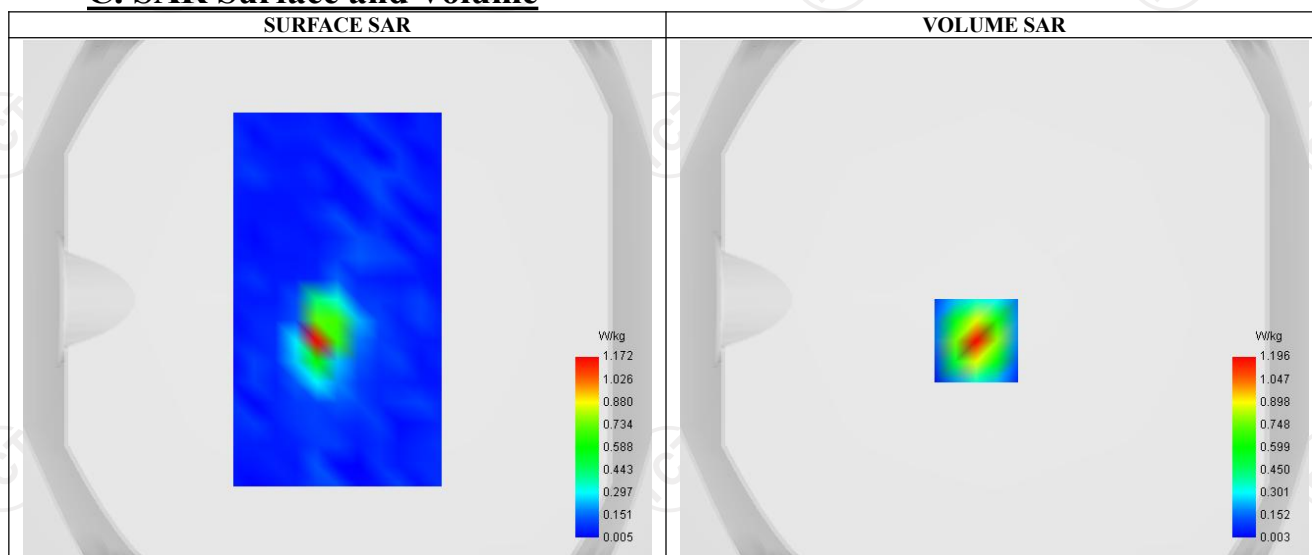
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
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



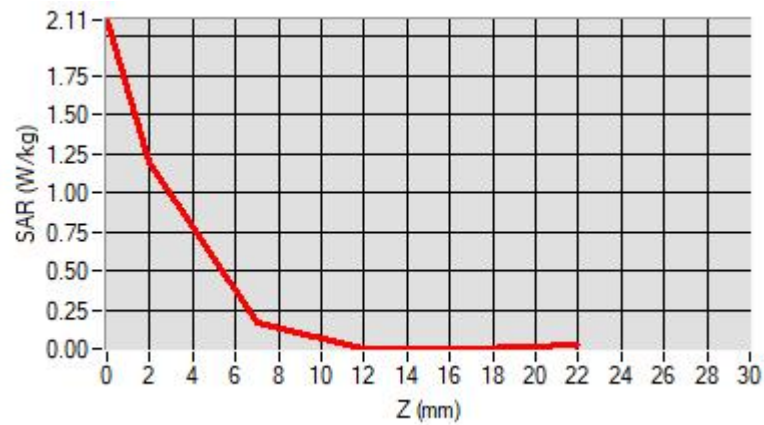
Maximum location: X=-7.00, Y=-16.00 ; SAR Peak: 2.21 W/kg

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

