

Date of measurement: 01/10/2023 Test mode: 1900MHz (Body)

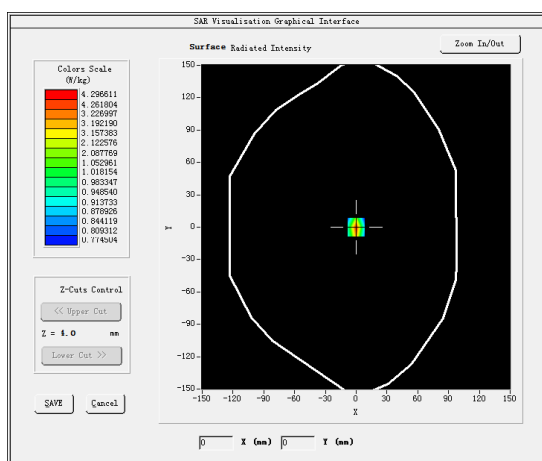
Product Description: Validation

Dipole Model: SID1900

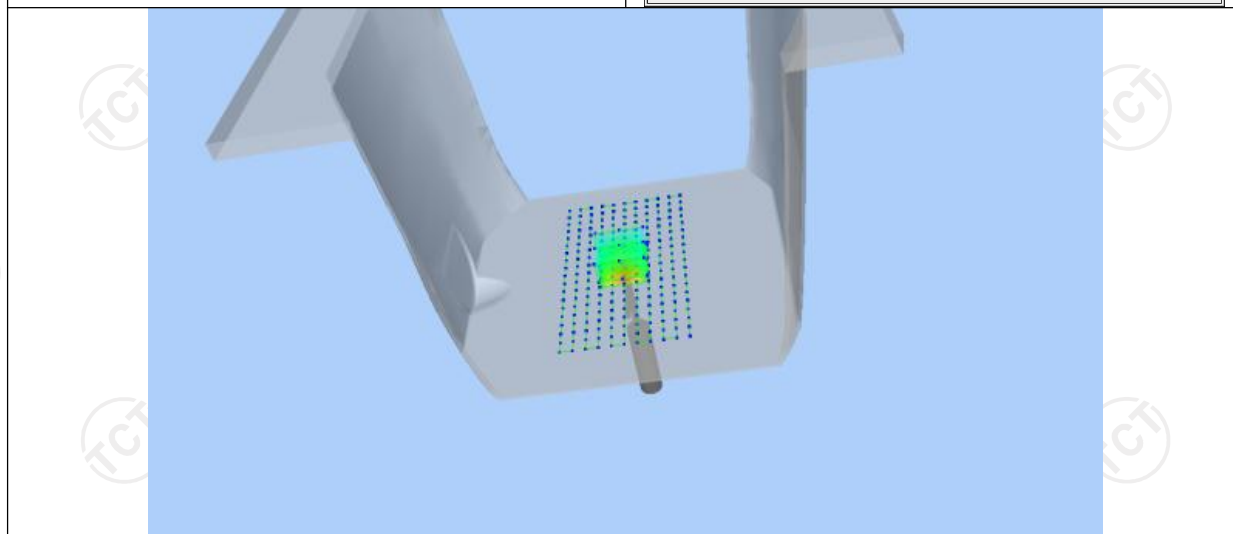
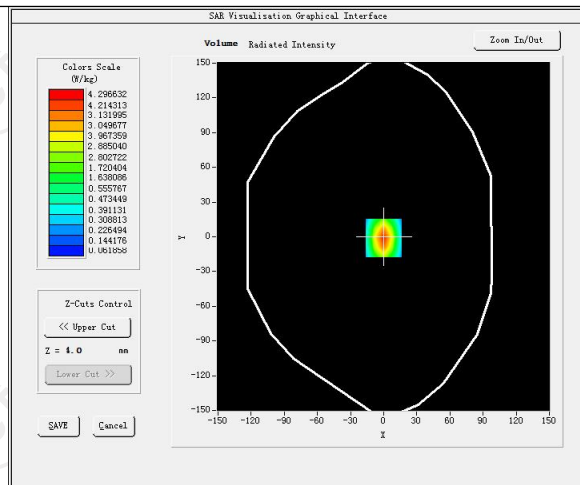
E-Field Probe: SSE2 (SN 36/20 EPG0346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	8.0
Probe Conversion factor	2.32
Frequency (MHz)	1900.000000
Relative permittivity (real part)	52.230999
Relative permittivity (imaginary part)	14.329440
Conductivity (S/m)	1.580354
Variation (%)	1.250000
SAR 10g (W/Kg)	1.994255
SAR 1g (W/Kg)	3.766112

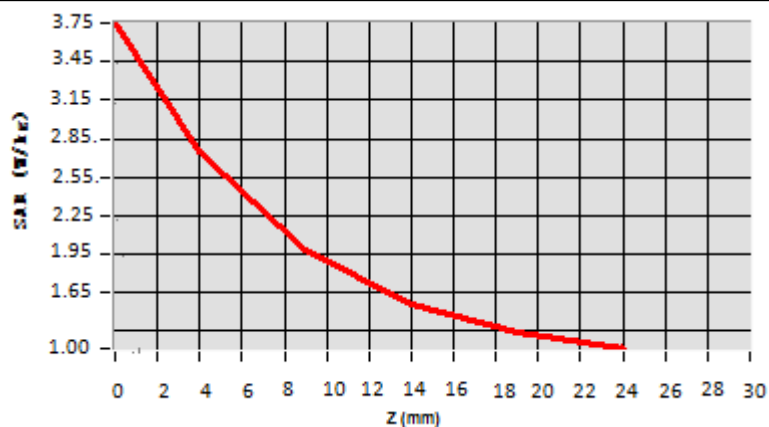
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	3.7752	2.7154	1.9525	1.5694	0.9014



Hot spot position



Date of measurement: 01/11/2023 Test mode: 2450MHz (Body)

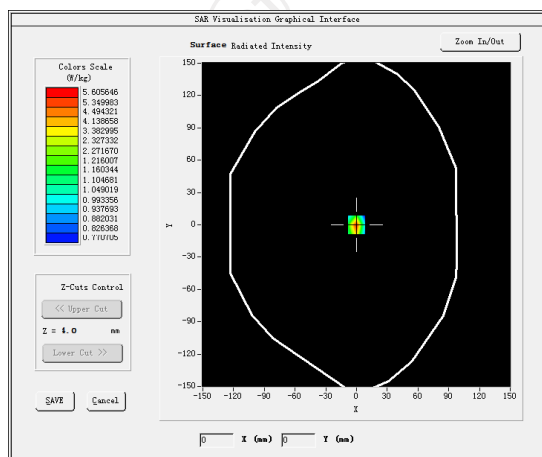
Product Description: Validation

Dipole Model: SID2450

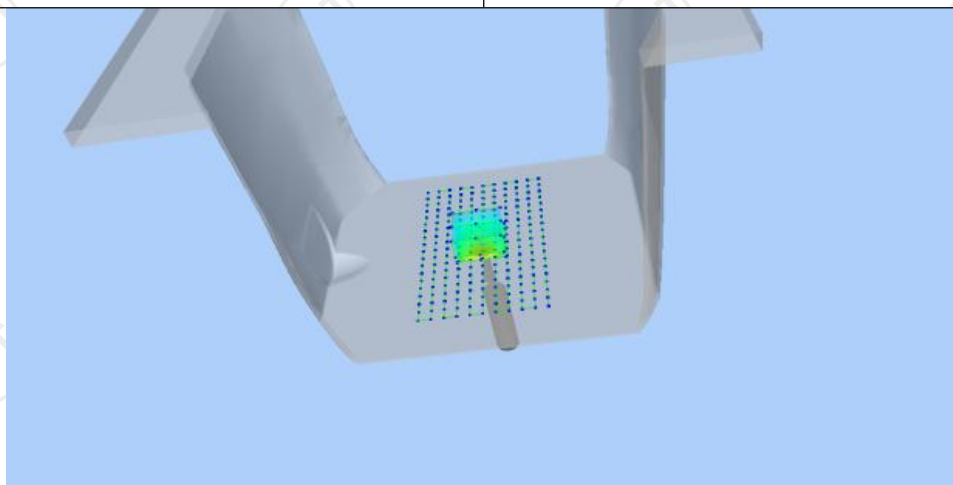
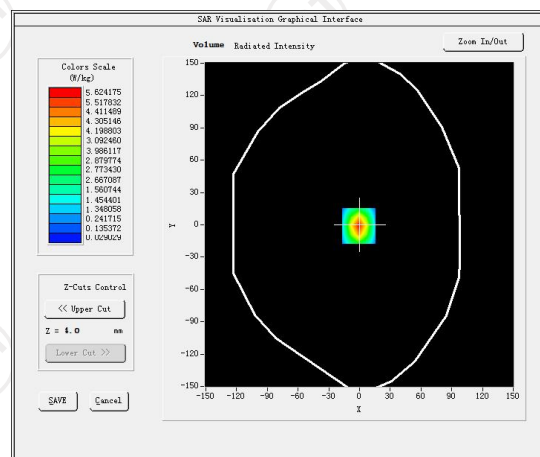
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.37
Frequency (MHz)	2450.000000
Relative permittivity (real part)	51.921199
Relative permittivity (imaginary part)	14.930150
Conductivity (S/m)	2.012159
Variation (%)	-0.230000
SAR 10g (W/Kg)	2.416669
SAR 1g (W/Kg)	5.066368

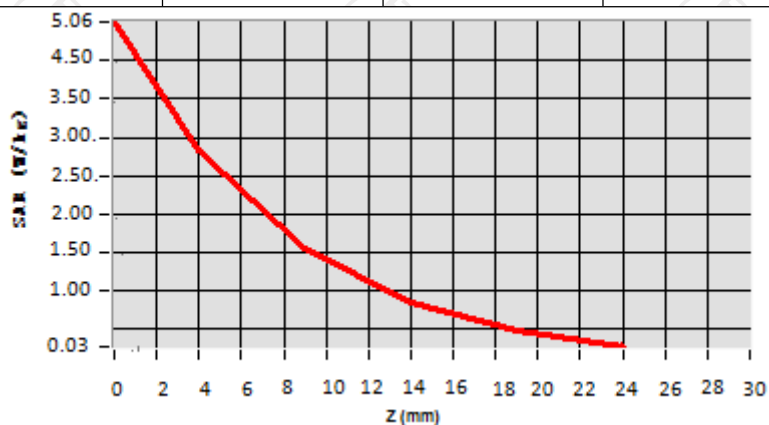
SURFACE SAR



VOLUME SAR



Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	5.0622	2.7984	1.5251	0.8352	0.4200



Hot spot position



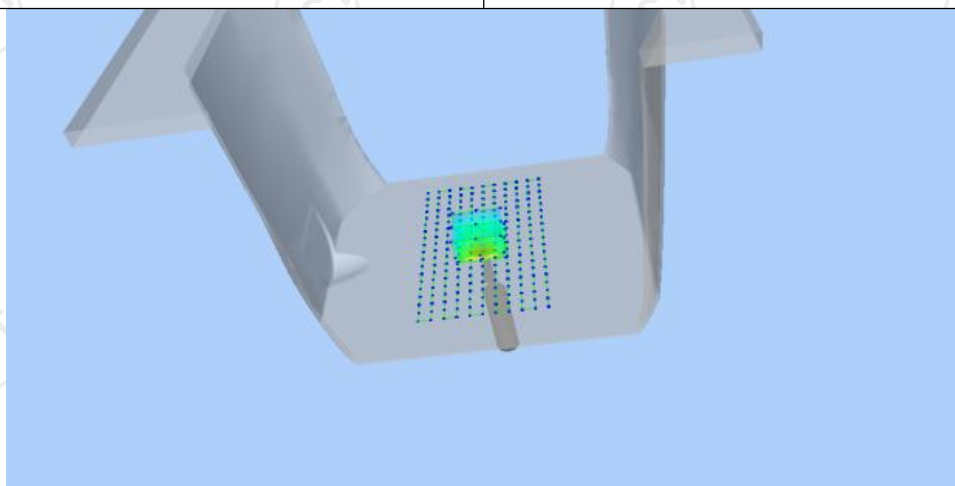
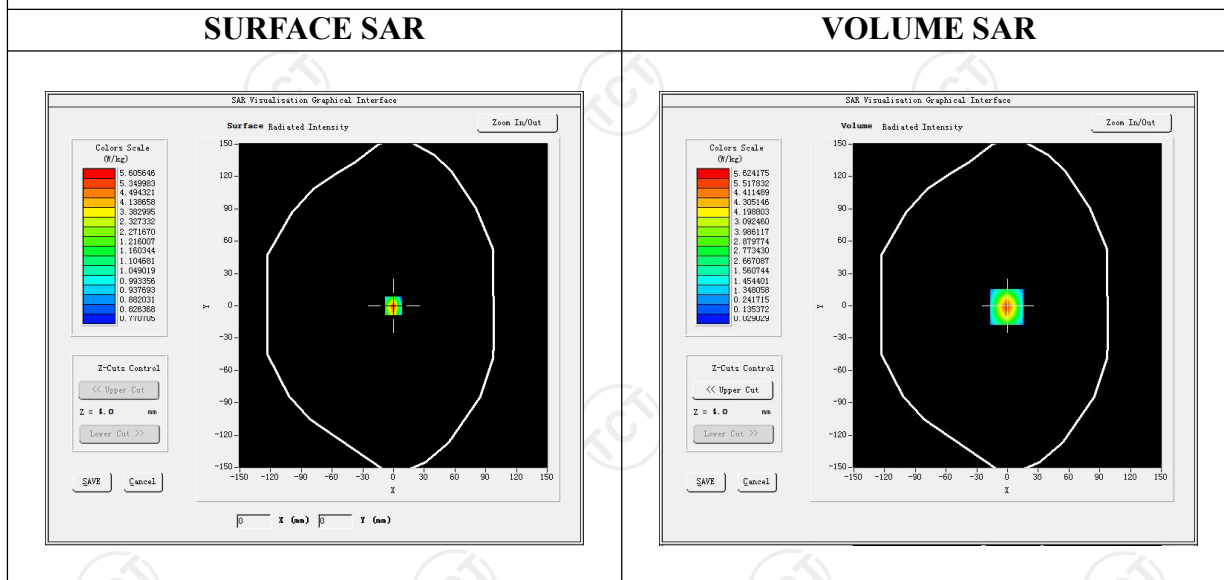
Date of measurement: 01/11/2023 Test mode: 2600MHz (Body)

Product Description: Validation

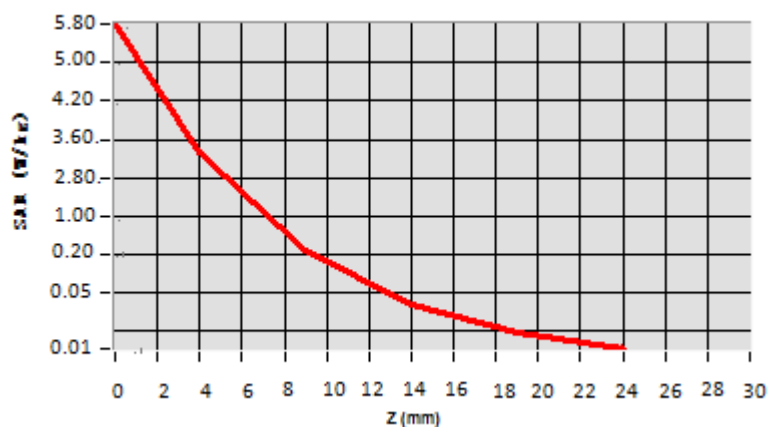
Dipole Model: SID2600

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

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.23
Frequency (MHz)	2600.000000
Relative permittivity (real part)	51.830887
Relative permittivity (imaginary part)	14.935214
Conductivity (S/m)	2.134821
Variation (%)	-1.800000
SAR 10g (W/Kg)	2.382177
SAR 1g (W/Kg)	5.365098



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



Date of measurement: 01/12/2023 Test mode: 5200 (Body)

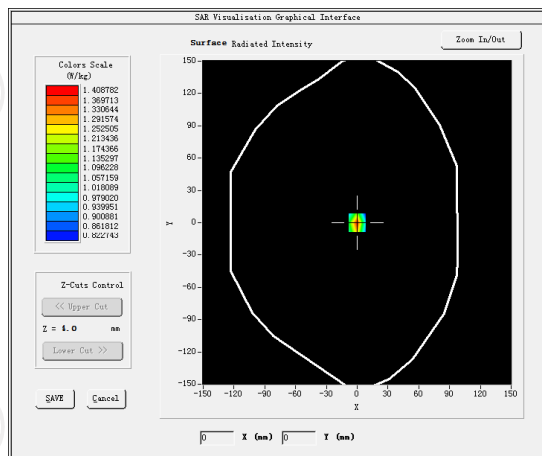
Product Description: Validation

Dipole Model: SID5000

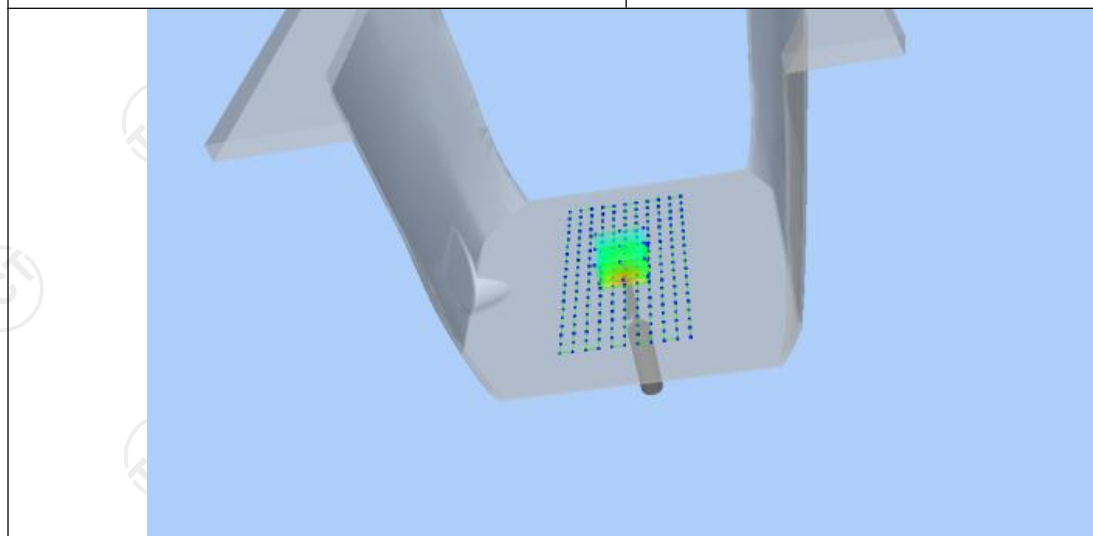
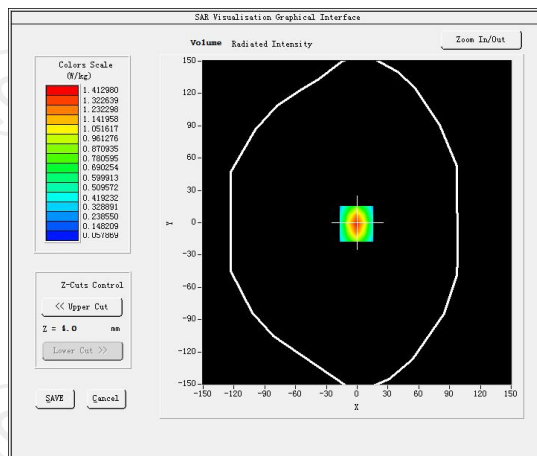
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.08
Frequency (MHz)	5200.000000
Relative permittivity (real part)	49.522077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	5.403883
Variation (%)	-3.140000
SAR 10g (W/Kg)	5.513123
SAR 1g (W/Kg)	15.472446

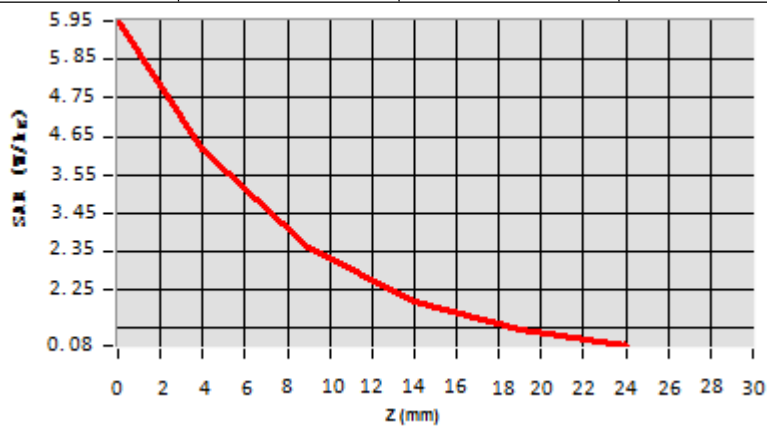
SURFACE SAR



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: 01/12/2023 Test mode: 5300MHz (Body)

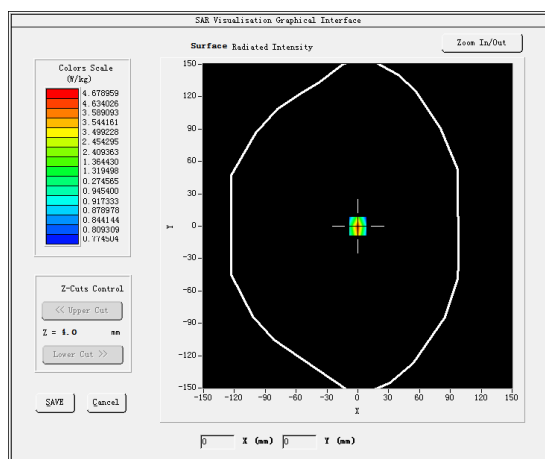
Product Description: Validation

Dipole Model: SID5000

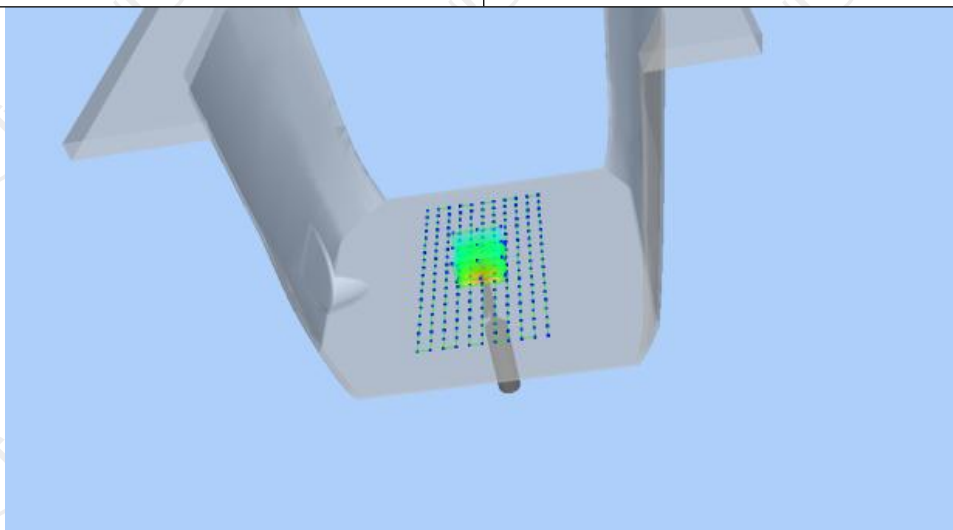
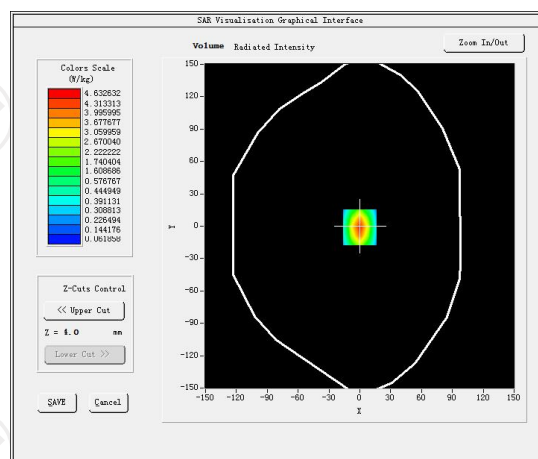
E-Field Probe: SSE2 (SN 36/20 EPG0346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	1.99
Frequency (MHz)	5300.000000
Relative permittivity (real part)	49.012699
Relative permittivity (imaginary part)	15.200000
Conductivity (S/m)	5.460000
Variation (%)	0.450000
SAR 10g (W/Kg)	5.813687
SAR 1g (W/Kg)	15.812547

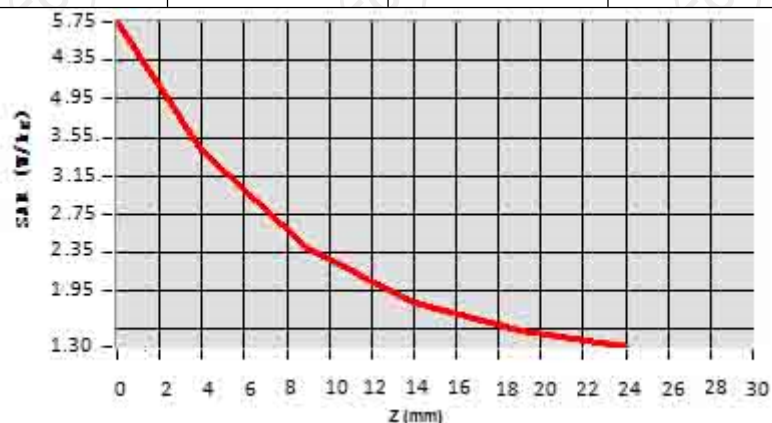
SURFACE SAR



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: 01/12/2023 Test mode: 5600MHz (Body)

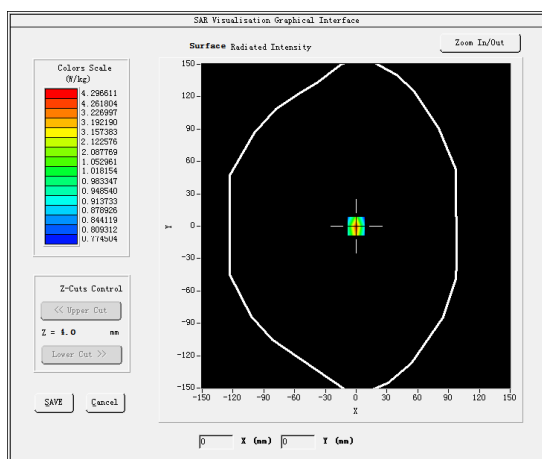
Product Description: Validation

Dipole Model: SID5000

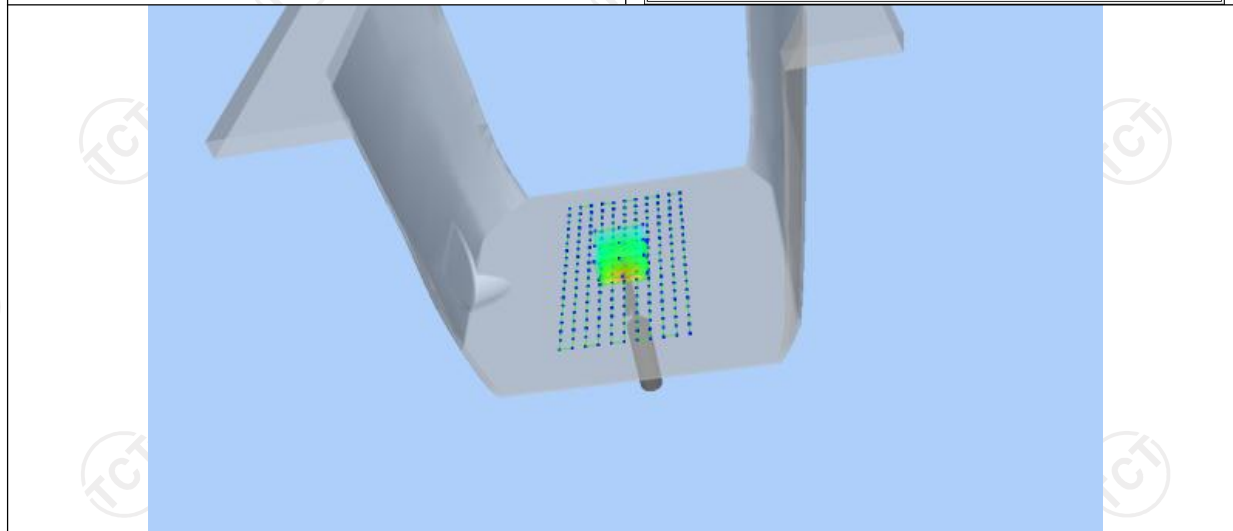
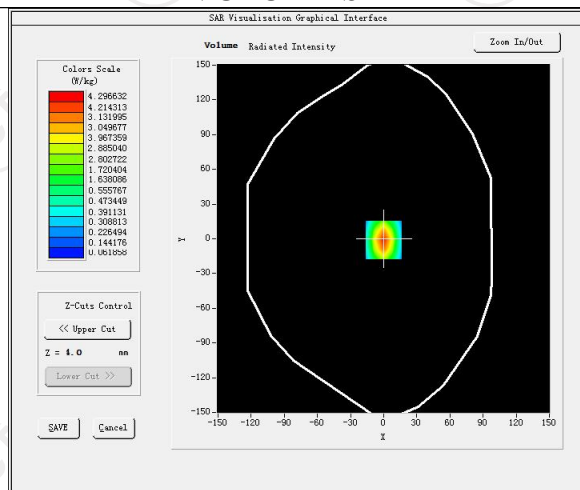
E-Field Probe: SSE2 (SN 36/20 EPGO346)

Phantom	Validation plane
Input Power	100mW
Crest Factor	1.0
Probe Conversion factor	2.12
Frequency (MHz)	5600.000000
Relative permittivity (real part)	47.809999
Relative permittivity (imaginary part)	14.329440
Conductivity (S/m)	5.530354
Variation (%)	1.410000
SAR 10g (W/Kg)	6.024255
SAR 1g (W/Kg)	17.633112

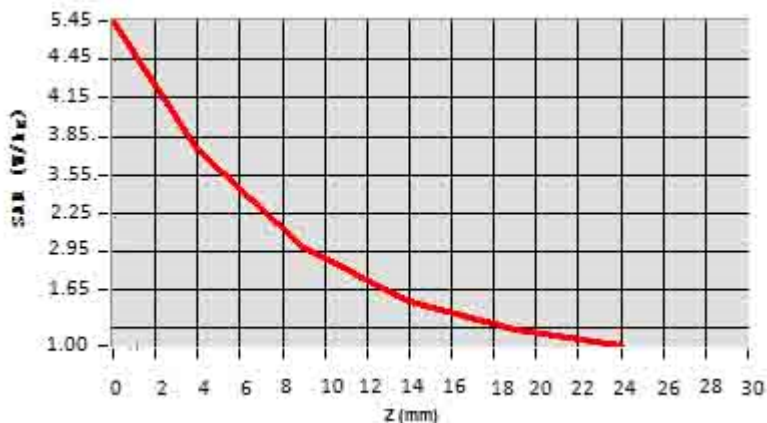
SURFACE SAR



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



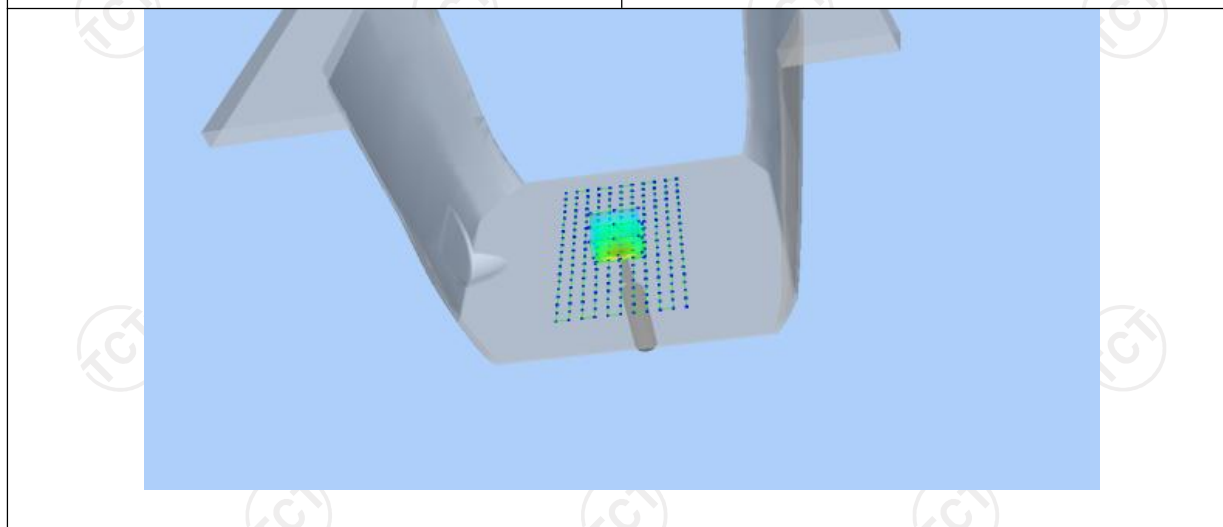
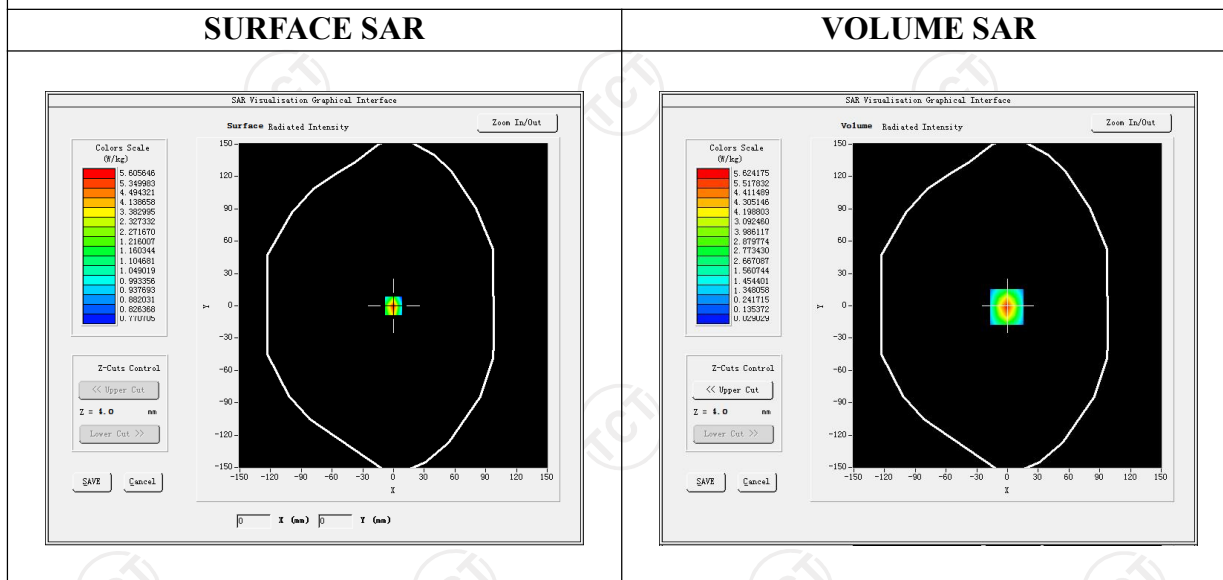
Date of measurement: 01/12/2023 Test mode: 5800MHz (Body)

Product Description: Validation

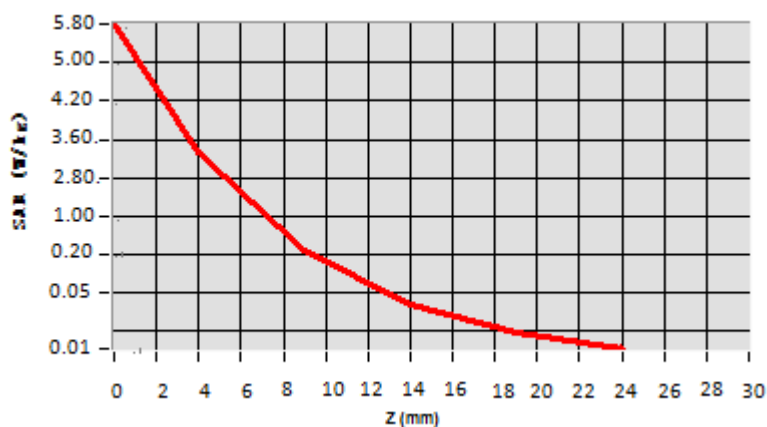
Dipole Model: SID5000

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)	47.593887
Relative permittivity (imaginary part)	14.935214
Conductivity (S/m)	5.954821
Variation (%)	-1.420000
SAR 10g (W/Kg)	6.182177
SAR 1g (W/Kg)	18.304098



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

SAR Measurement at GPRS850 (Cheek, Left)

Date of measurement: 09/01/2023

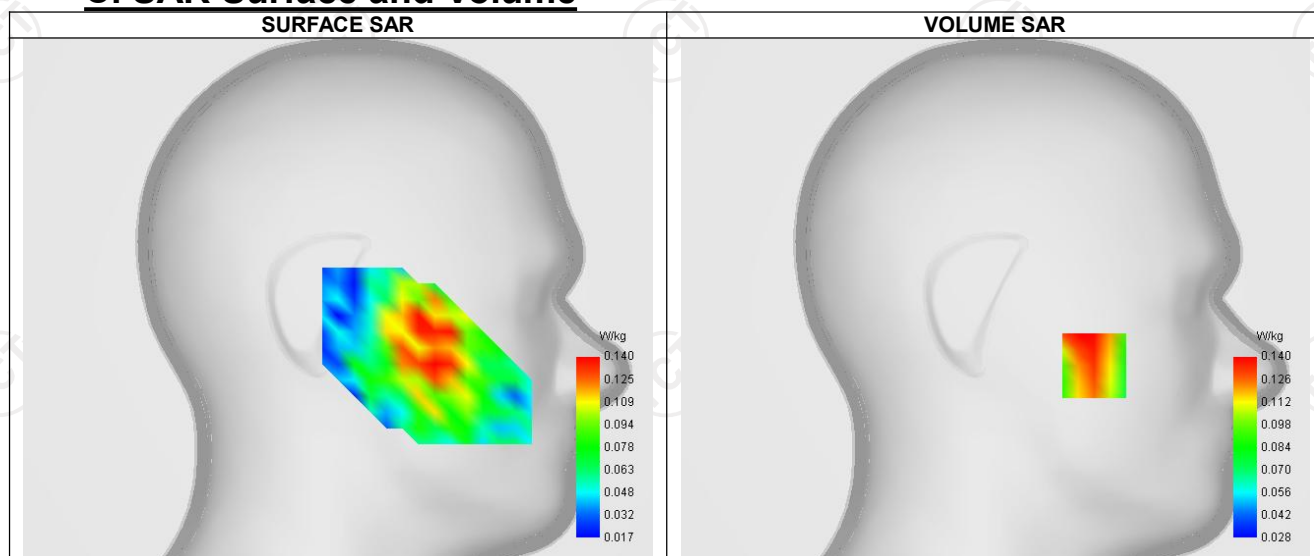
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	1.86
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	GPRS850
Channels	Middle (190)
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)
TX-slots	4

B. Permittivity

Frequency (MHz)	836.600
Relative permittivity (real part)	55.242
Relative permittivity (imaginary part)	21.378
Conductivity (S/m)	0.939

C. SAR Surface and Volume



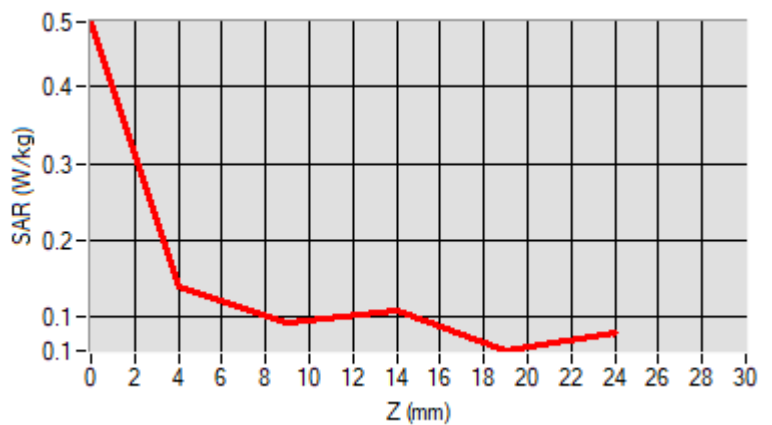
Maximum location: X=-49.00, Y=-33.00 ; SAR Peak: 0.17 W/kg

D. SAR 1g & 10g

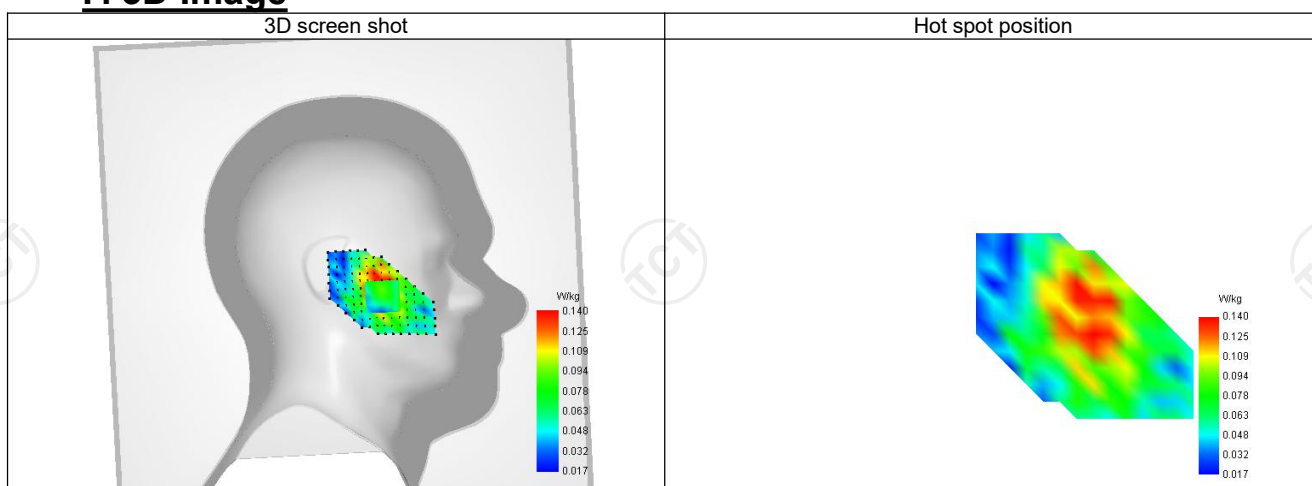
SAR 10g (W/Kg)	0.089
SAR 1g (W/Kg)	0.110
Variation (%)	1.050
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.485	0.140	0.093	0.109	0.056



F. 3D Image



SAR Measurement at GPRS850 (Body, Validation Plane)

Date of measurement: 09/01/2023

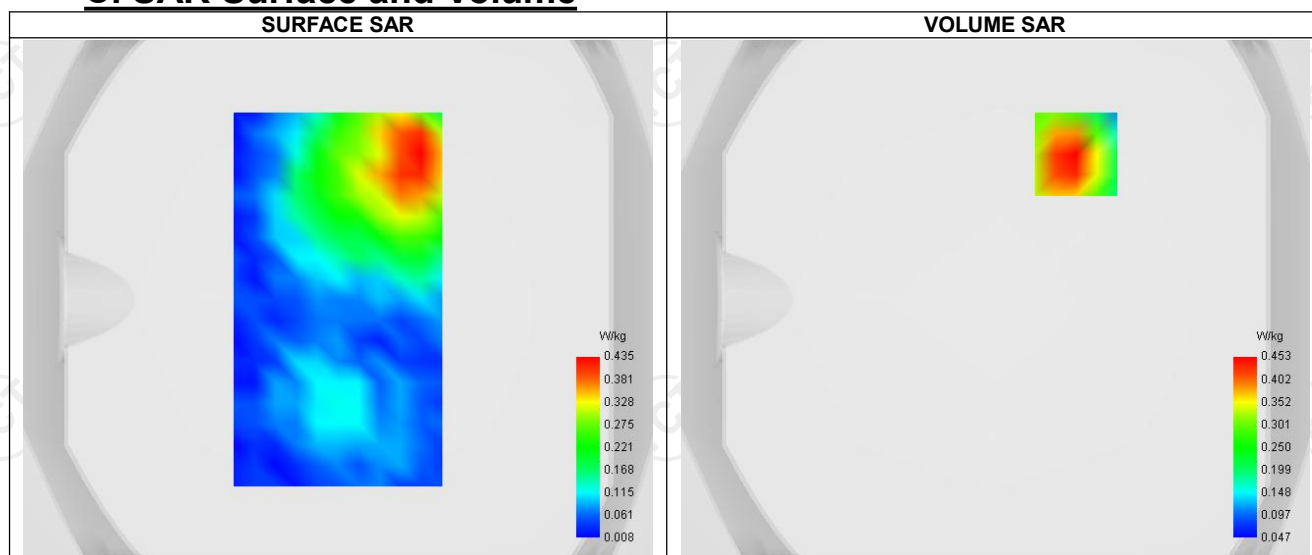
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	1.86
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS850
Channels	Middle (190)
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)
TX-slots	4

B. Permittivity

Frequency (MHz)	836.600
Relative permittivity (real part)	55.242
Relative permittivity (imaginary part)	21.378
Conductivity (S/m)	0.939

C. SAR Surface and Volume

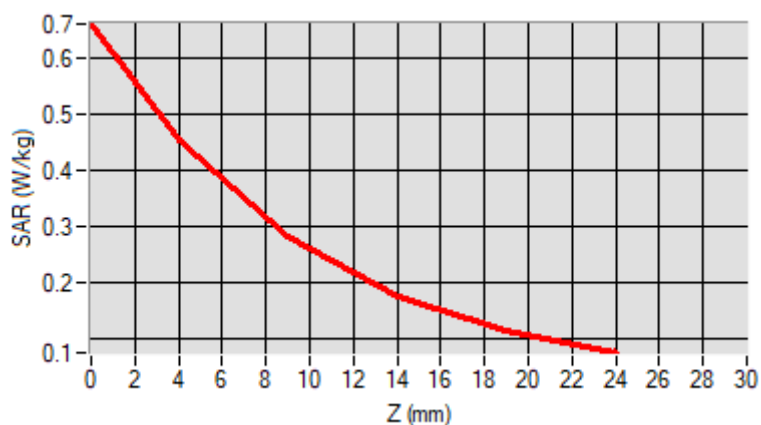


D. SAR 1g & 10g

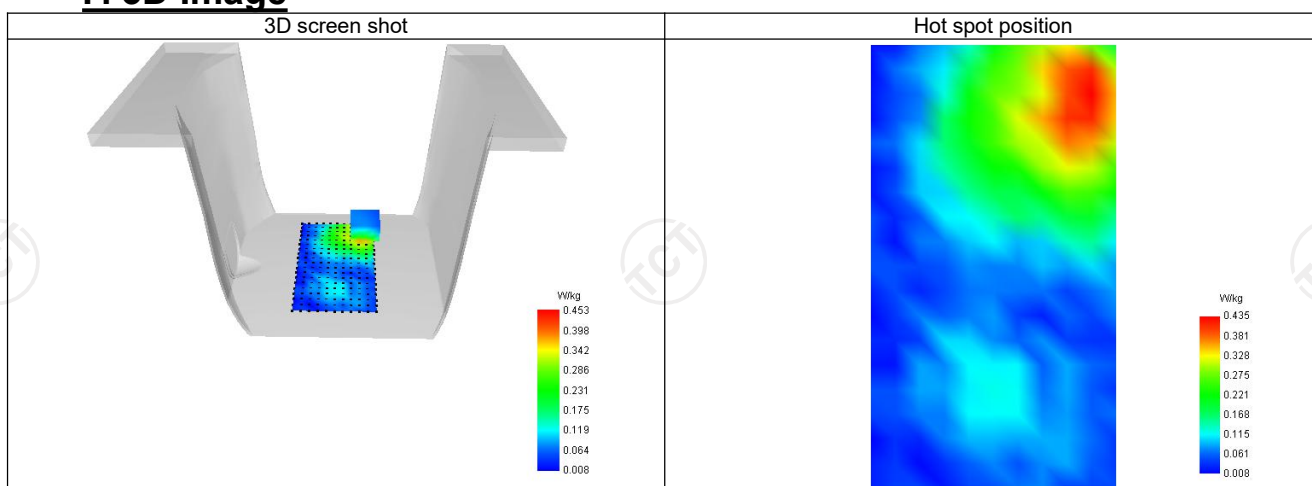
SAR 10g (W/Kg)	0.262
SAR 1g (W/Kg)	0.487
Variation (%)	-3.250
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.661	0.453	0.280	0.176	0.114



F. 3D Image



SAR Measurement at GPRS1900 (Cheek, Left)

Date of measurement: 10/01/2023

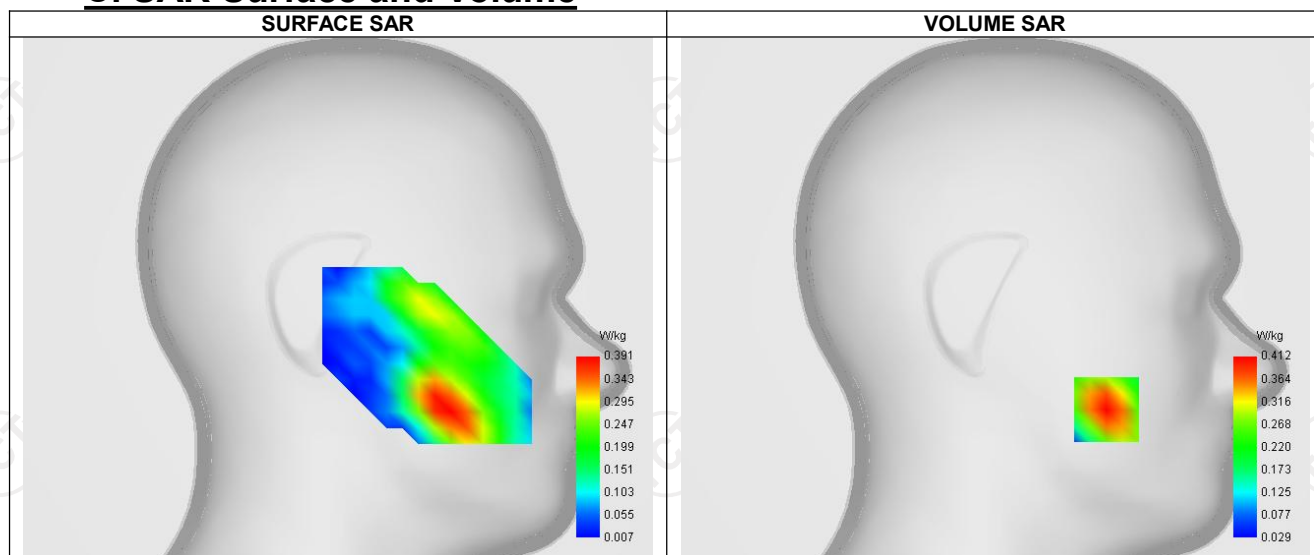
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	2.32
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	GPRS1900
Channels	Lower (512)
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)
TX-slots	2

B. Permittivity

Frequency (MHz)	1850.200
Relative permittivity (real part)	52.272
Relative permittivity (imaginary part)	14.329
Conductivity (S/m)	1.550

C. SAR Surface and Volume



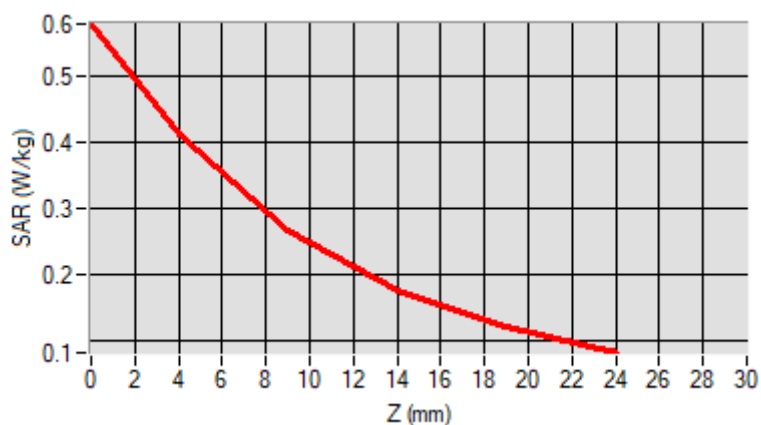
Maximum location: X=-55.00, Y=-55.00 ; SAR Peak: 0.58 W/kg

D. SAR 1g & 10g

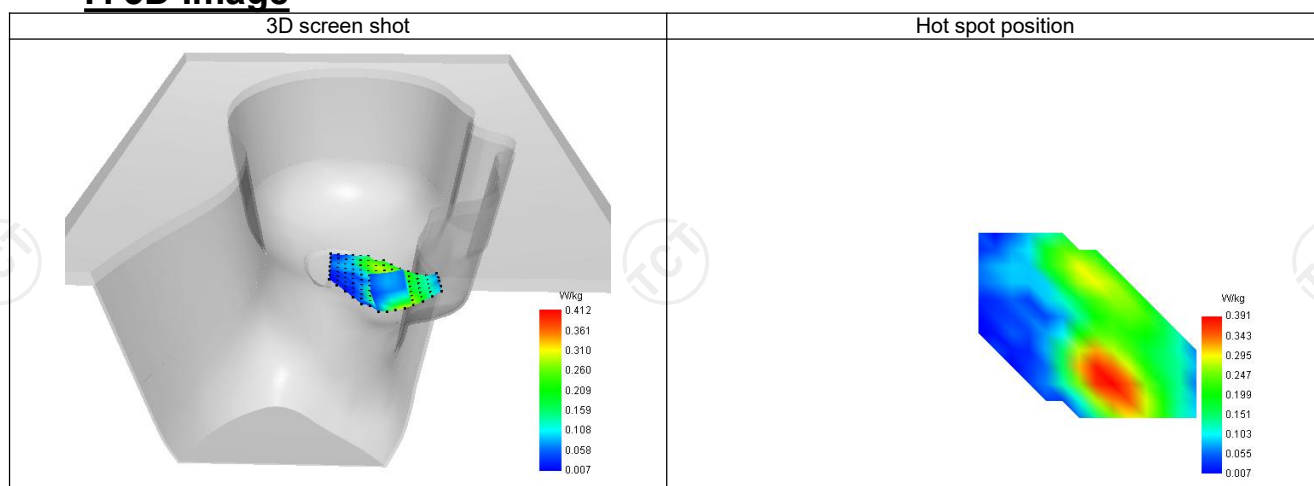
SAR 10g (W/Kg)	0.238
SAR 1g (W/Kg)	0.382
Variation (%)	-0.210
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.578	0.412	0.268	0.178	0.122



F. 3D Image



SAR Measurement at GPRS1900 (Body, Validation Plane)

Date of measurement: 10/01/2023

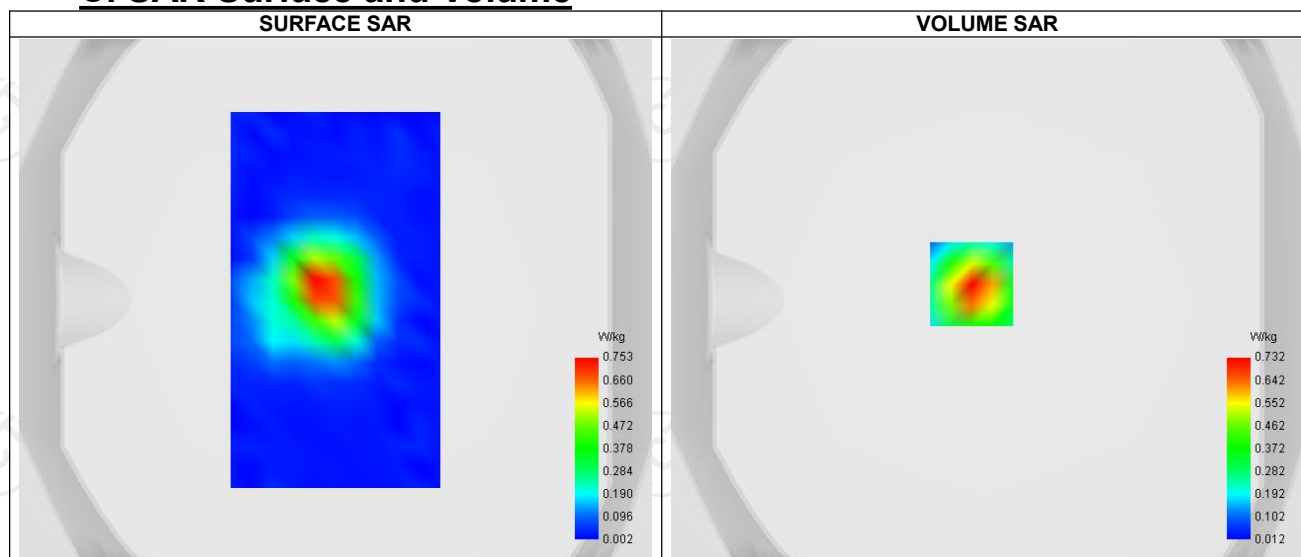
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPGO346)
ConvF	2.32
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	GPRS1900
Channels	Lower (512)
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)
TX-slots	2

B. Permittivity

Frequency (MHz)	1850.200
Relative permittivity (real part)	52.272
Relative permittivity (imaginary part)	14.329
Conductivity (S/m)	1.550

C. SAR Surface and Volume



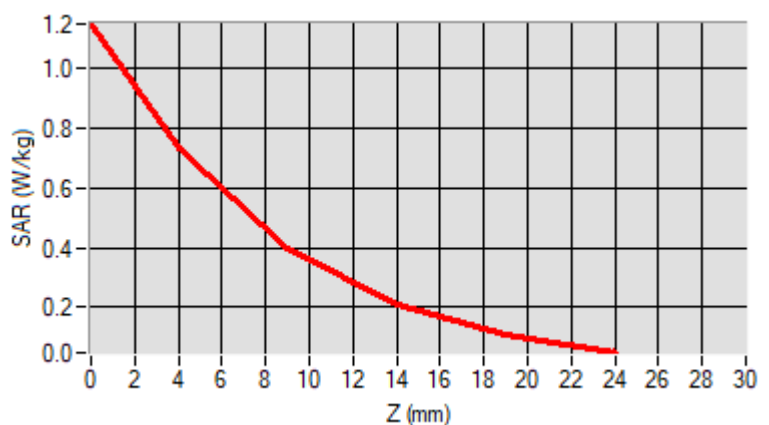
Maximum location: X=-6.00, Y=6.00 ; SAR Peak: 1.17 W/kg

D. SAR 1g & 10g

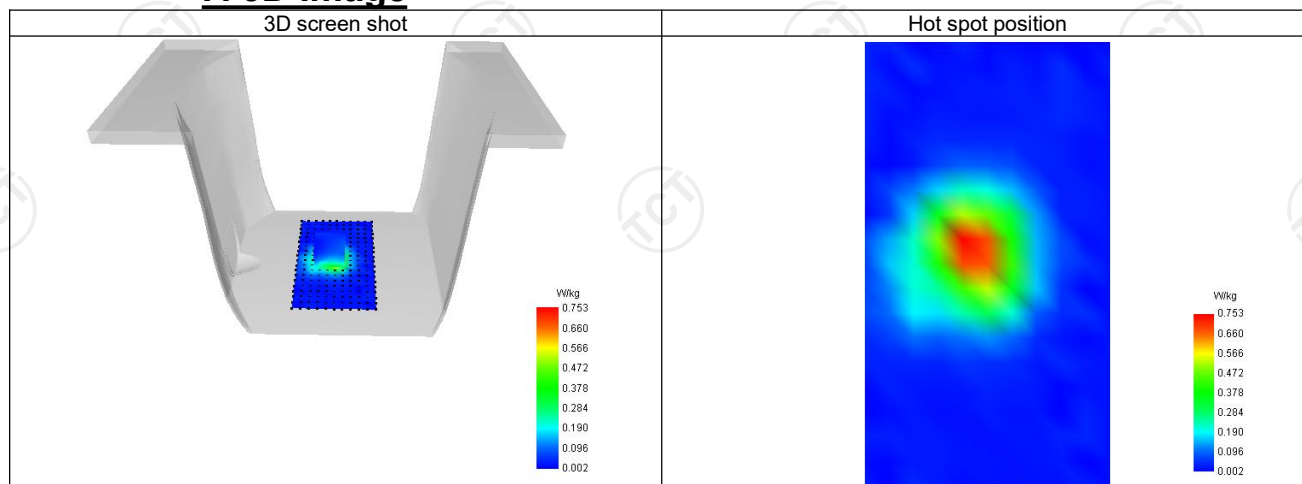
SAR 10g (W/Kg)	0.342
SAR 1g (W/Kg)	0.666
Variation (%)	-0.880
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.150	0.732	0.399	0.210	0.108



F. 3D Image



SAR Measurement at Band 2 (1900) (Cheek, Left)

Date of measurement: 10/01/2023

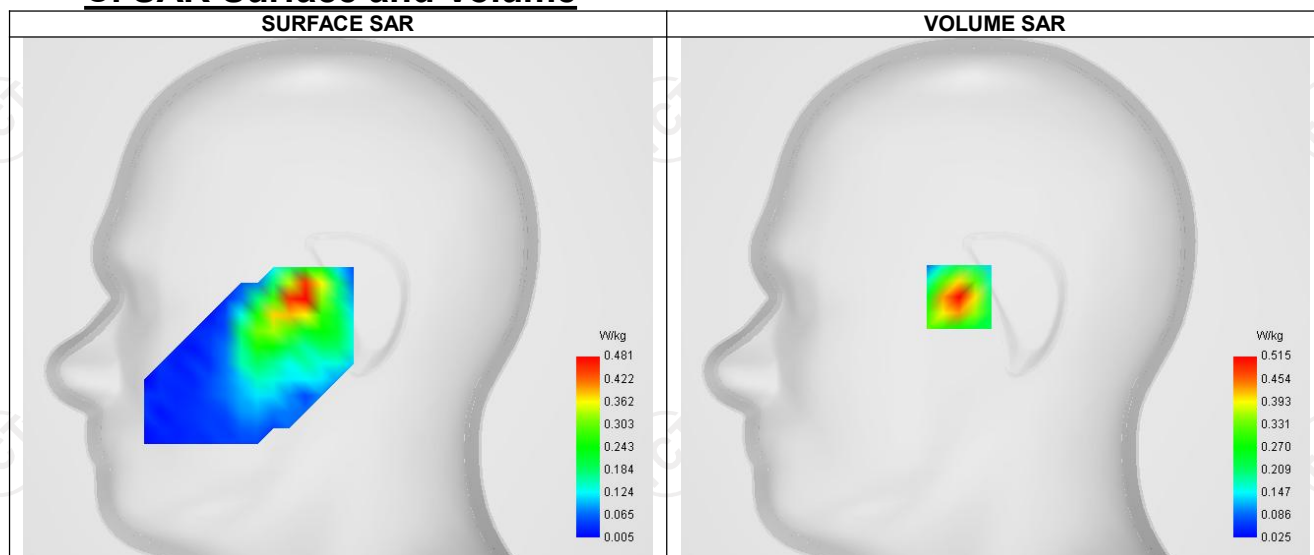
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	2.32
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	Band 2 (1900)
Channels	Lower (9262)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Frequency (MHz)	1852.400
Relative permittivity (real part)	52.272
Relative permittivity (imaginary part)	14.329
Conductivity (S/m)	1.550

C. SAR Surface and Volume



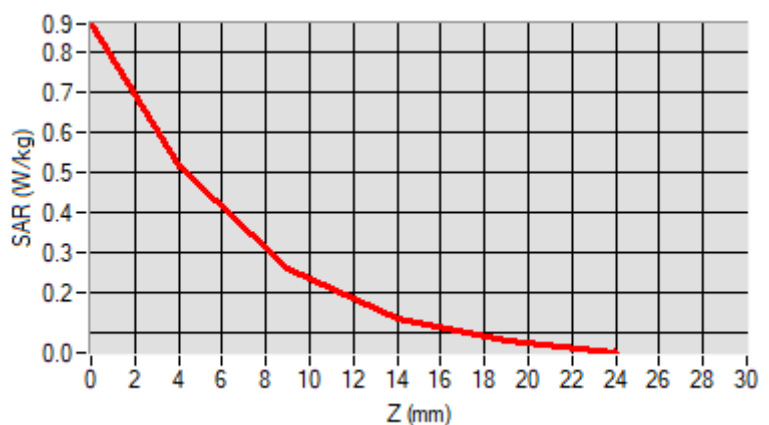
Maximum location: X=-18.00, Y=1.00 ; SAR Peak: 0.87 W/kg

D. SAR 1g & 10g

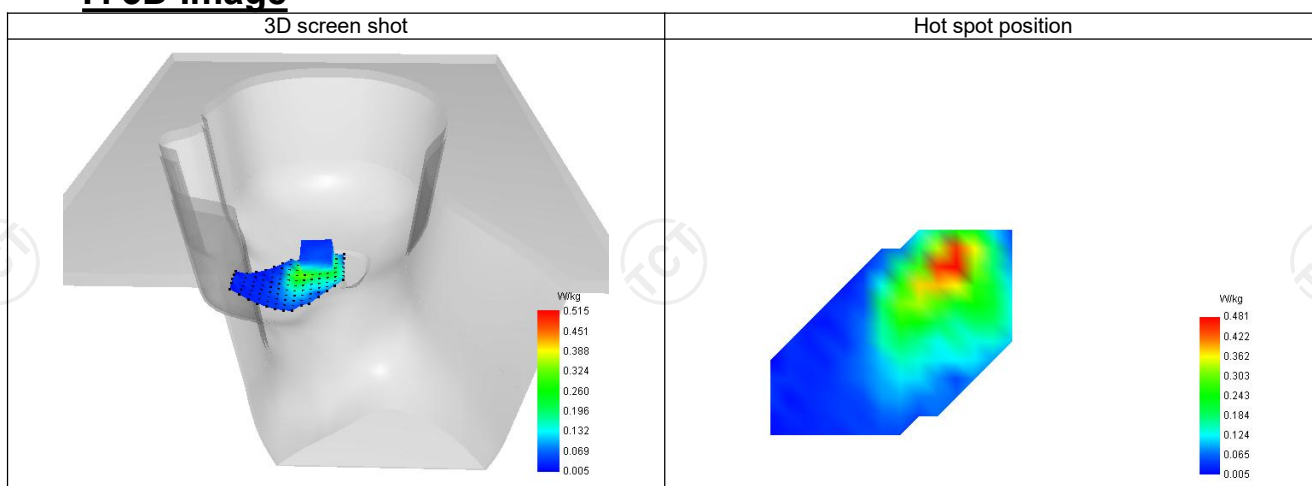
SAR 10g (W/Kg)	0.273
SAR 1g (W/Kg)	0.514
Variation (%)	0.830
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.868	0.515	0.259	0.134	0.079



F. 3D Image



SAR Measurement at Band 2 (1900) (Body, Validation Plane)

Date of measurement: 10/01/2023

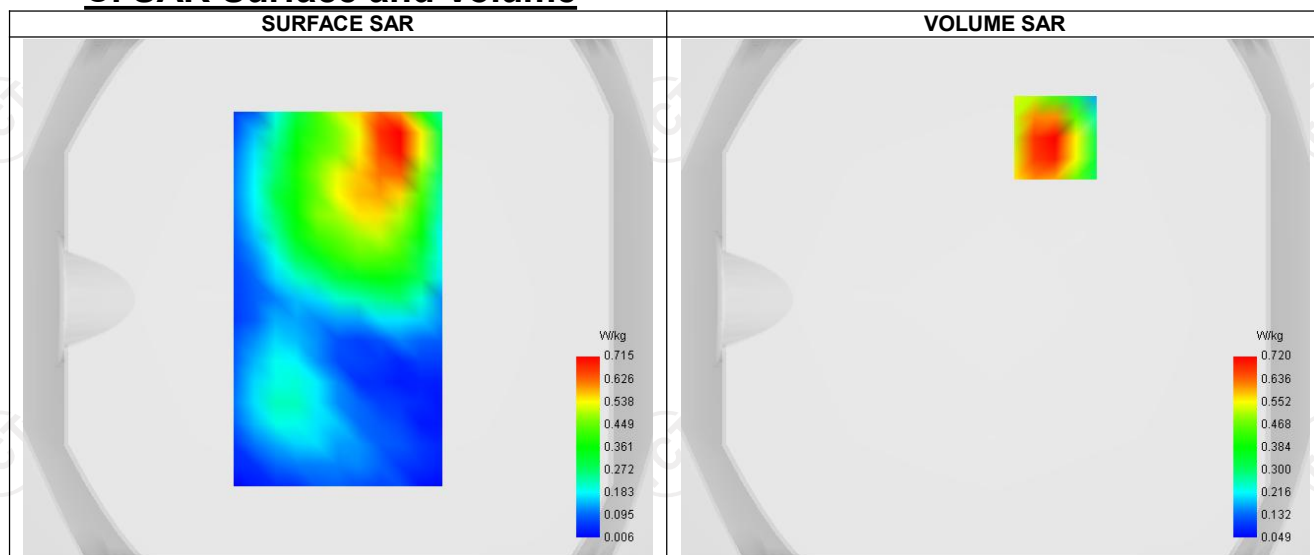
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	2.32
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	Band 2 (1900)
Channels	Lower (9262)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Frequency (MHz)	1852.400
Relative permittivity (real part)	52.272
Relative permittivity (imaginary part)	14.329
Conductivity (S/m)	1.550

C. SAR Surface and Volume

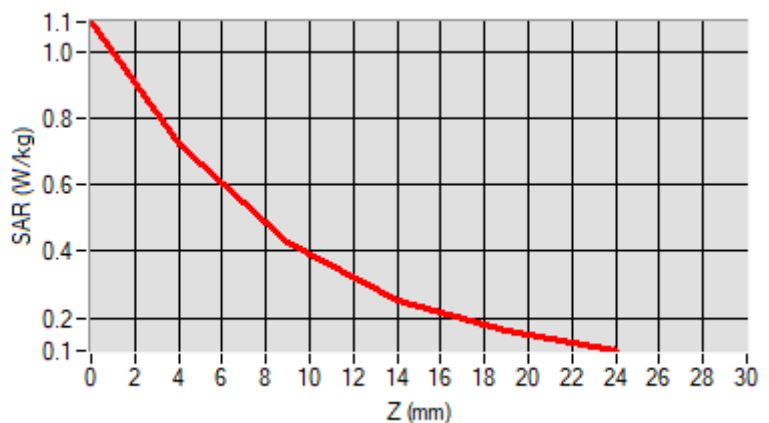


D. SAR 1g & 10g

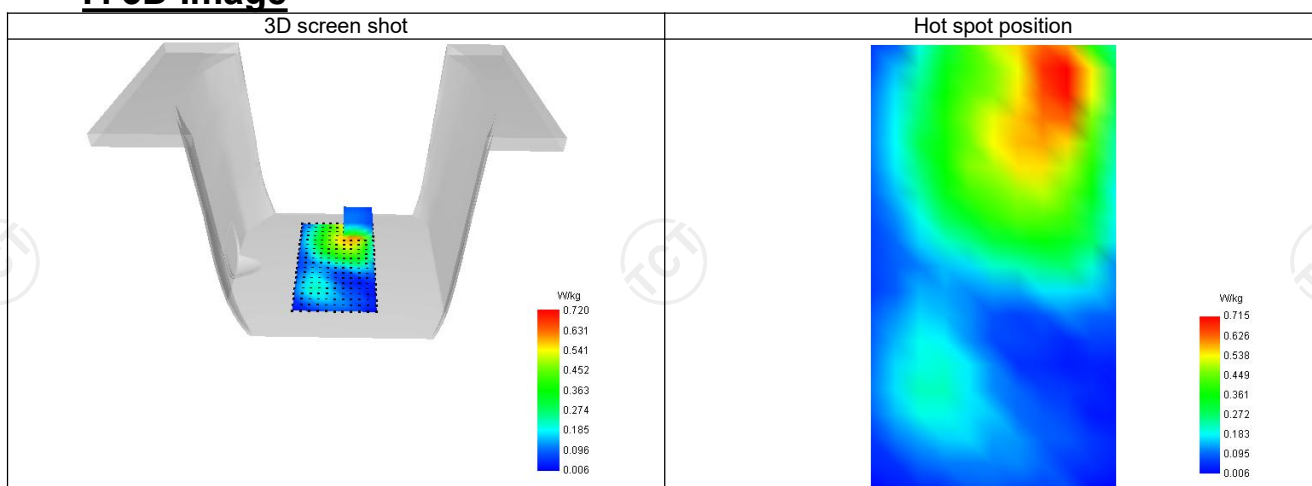
SAR 10g (W/Kg)	0.406
SAR 1g (W/Kg)	0.716
Variation (%)	0.270
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.087	0.720	0.424	0.254	0.160



F. 3D Image



SAR Measurement at Band 4 (1700) (Cheek, Left)

Date of measurement: 10/01/2023

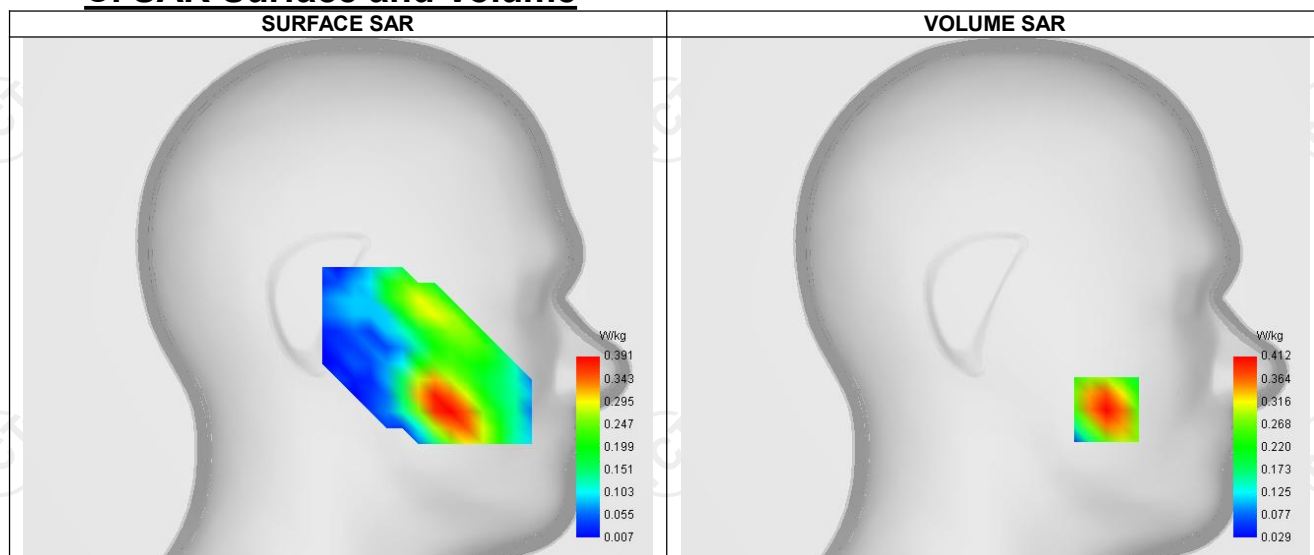
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	2.16
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	Band 4 (1700)
Channels	Lower (1312)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Frequency (MHz)	1712.400
Relative permittivity (real part)	53.343
Relative permittivity (imaginary part)	15.200
Conductivity (S/m)	1.490

C. SAR Surface and Volume



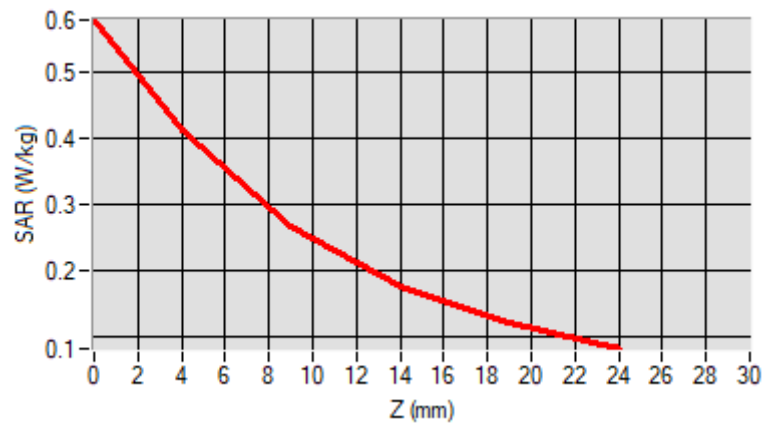
Maximum location: X=-55.00, Y=-55.00 ; SAR Peak: 0.58 W/kg

D. SAR 1g & 10g

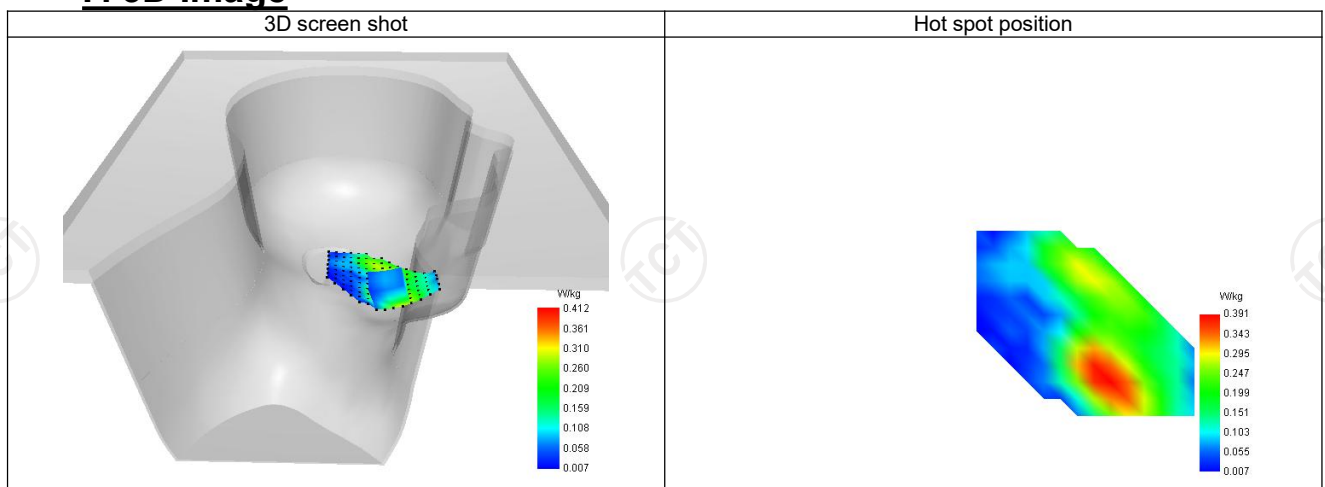
SAR 10g (W/Kg)	0.238
SAR 1g (W/Kg)	0.415
Variation (%)	-0.670
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.578	0.412	0.268	0.178	0.122



F. 3D Image



SAR Measurement at Band 4 (1700) (Body, Validation Plane)

Date of measurement: 10/01/2023

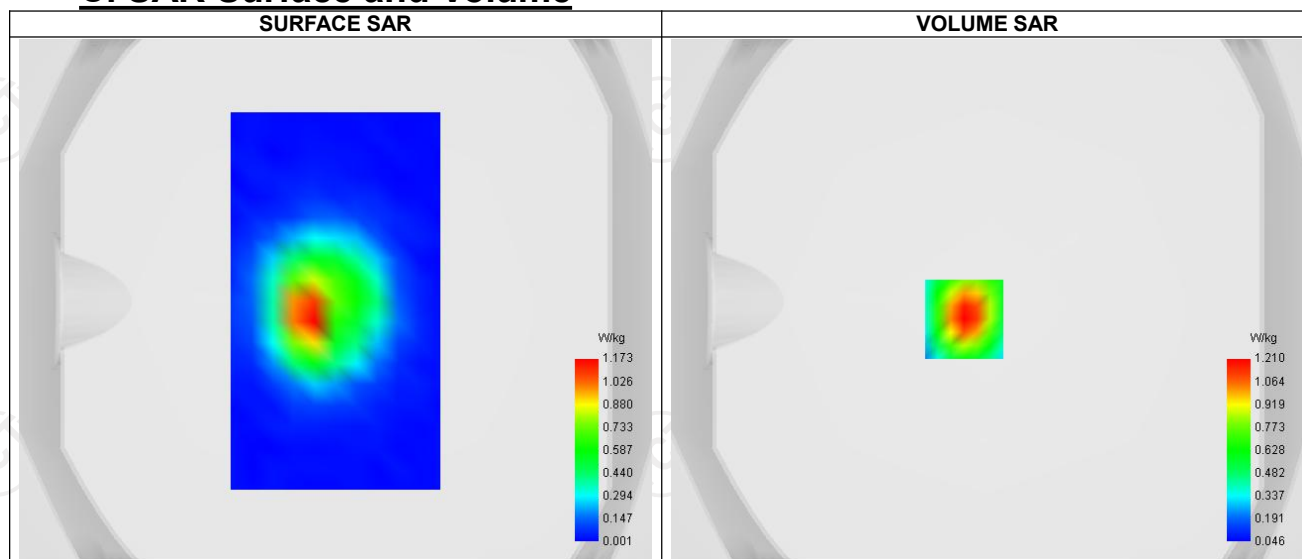
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	2.16
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	Band 4 (1700)
Channels	Lower (1312)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Frequency (MHz)	1712.400
Relative permittivity (real part)	53.343
Relative permittivity (imaginary part)	15.200
Conductivity (S/m)	1.490

C. SAR Surface and Volume



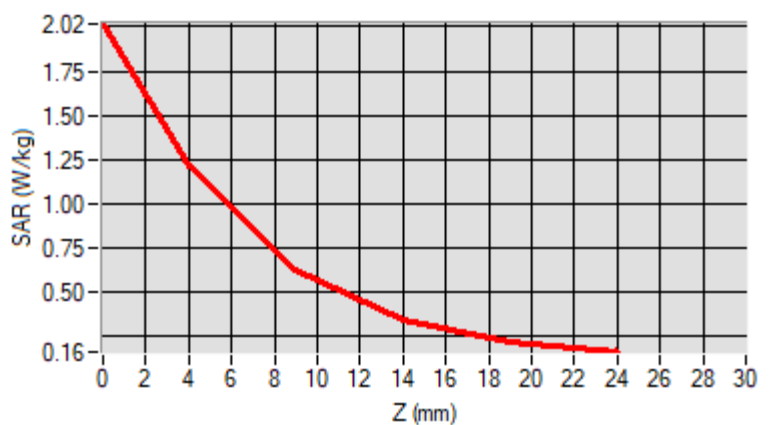
Maximum location: X=-9.00, Y=-7.00 ; SAR Peak: 2.02 W/kg

D. SAR 1g & 10g

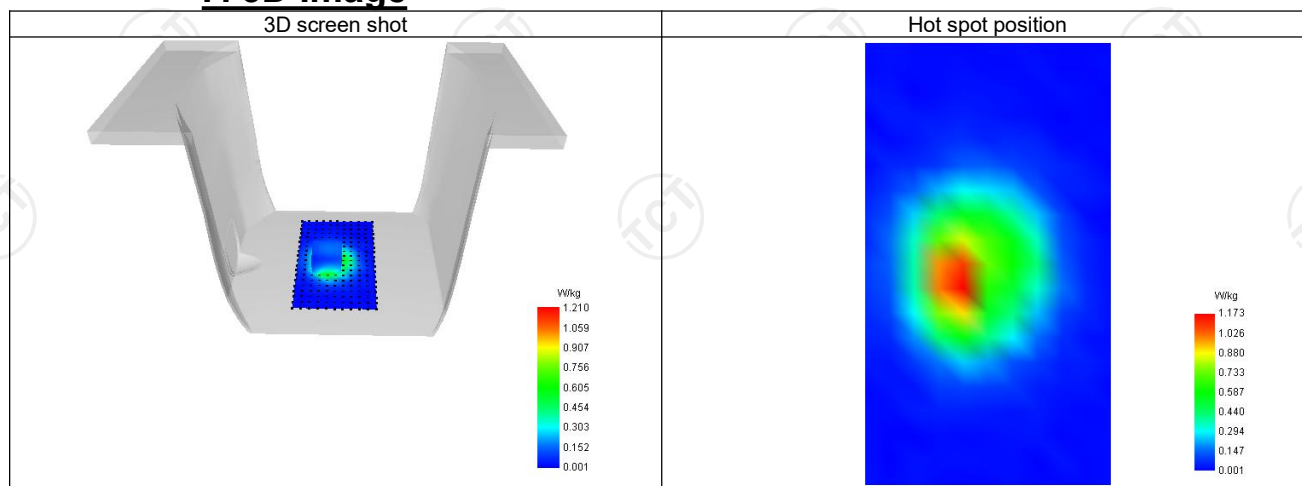
SAR 10g (W/Kg)	0.558
SAR 1g (W/Kg)	0.960
Variation (%)	-0.510
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	2.017	1.210	0.626	0.346	0.225



F. 3D Image



SAR Measurement at Band 5 (850) (Cheek, Left)

Date of measurement: 09/01/2023

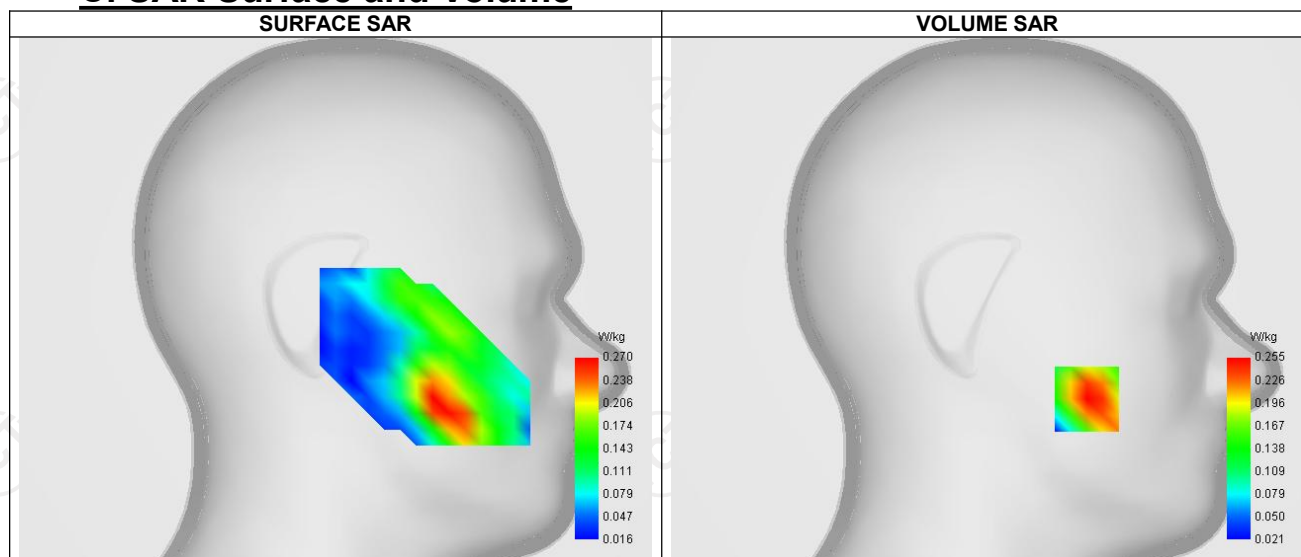
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	1.86
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	Band 5 (850)
Channels	Lower (4132)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Frequency (MHz)	826.400
Relative permittivity (real part)	55.262
Relative permittivity (imaginary part)	21.378
Conductivity (S/m)	0.934

C. SAR Surface and Volume



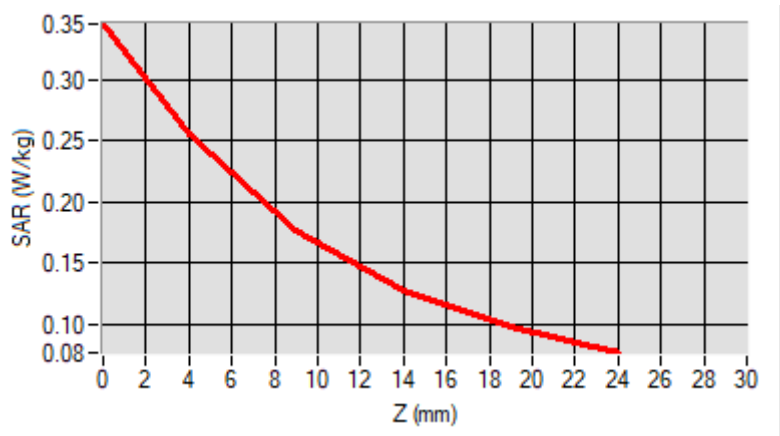
Maximum location: X=-49.00, Y=-49.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

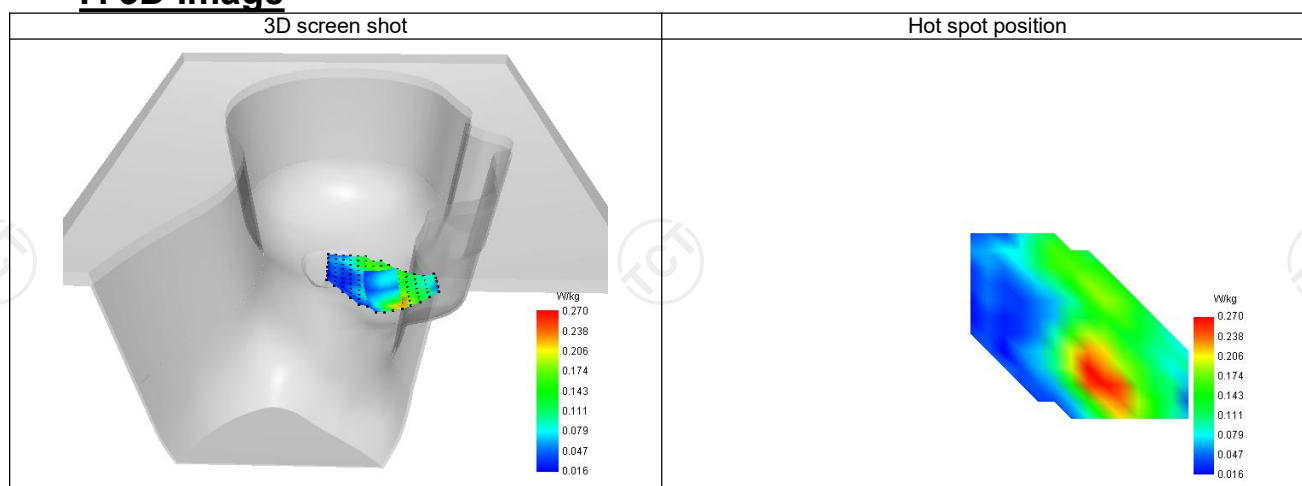
SAR 10g (W/Kg)	0.161
SAR 1g (W/Kg)	0.226
Variation (%)	-1.450
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.346	0.255	0.177	0.128	0.098



F. 3D Image



SAR Measurement at Band 5 (850) (Body, Validation Plane)

Date of measurement: 09/01/2023

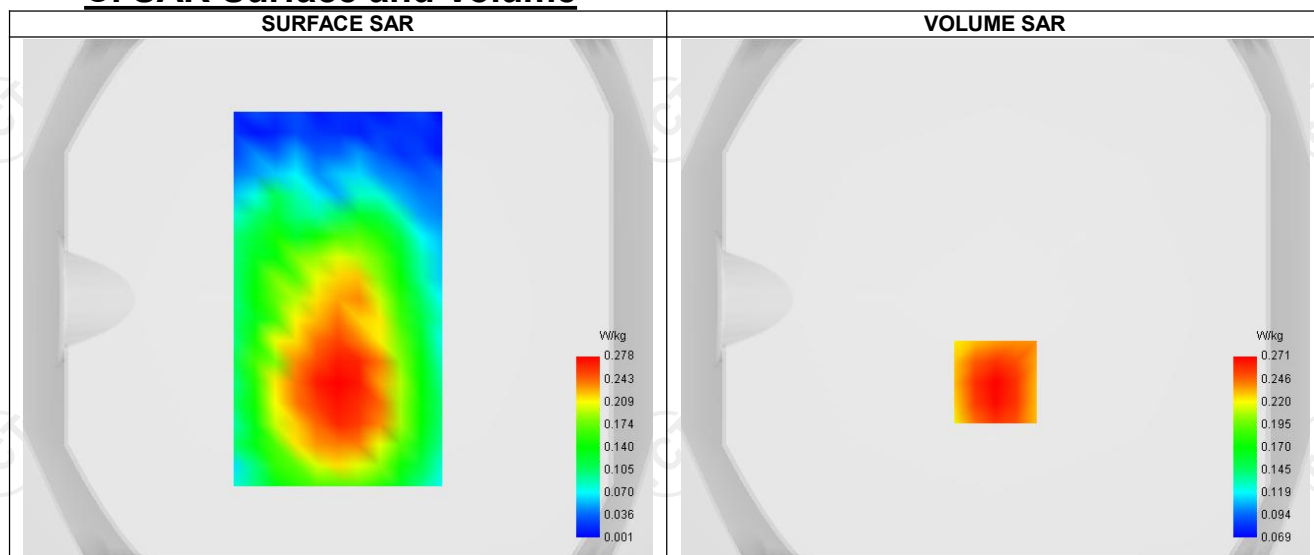
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	1.86
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Validation plane
Device Position	Body
Band	Band 5 (850)
Channels	Lower (4132)
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Frequency (MHz)	826.400
Relative permittivity (real part)	55.262
Relative permittivity (imaginary part)	21.378
Conductivity (S/m)	0.934

C. SAR Surface and Volume

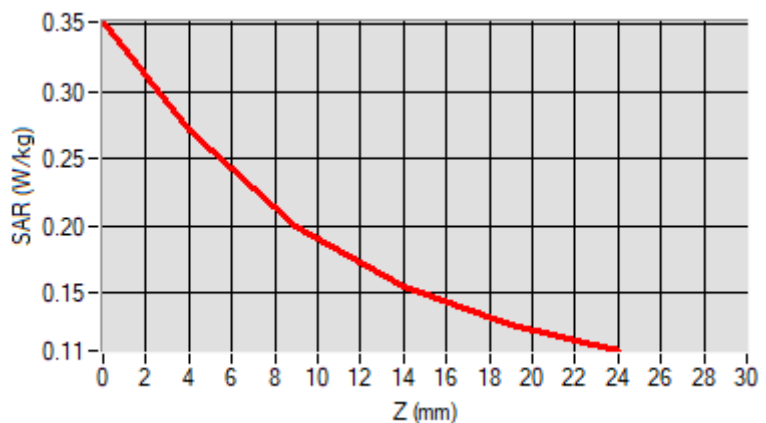


D. SAR 1g & 10g

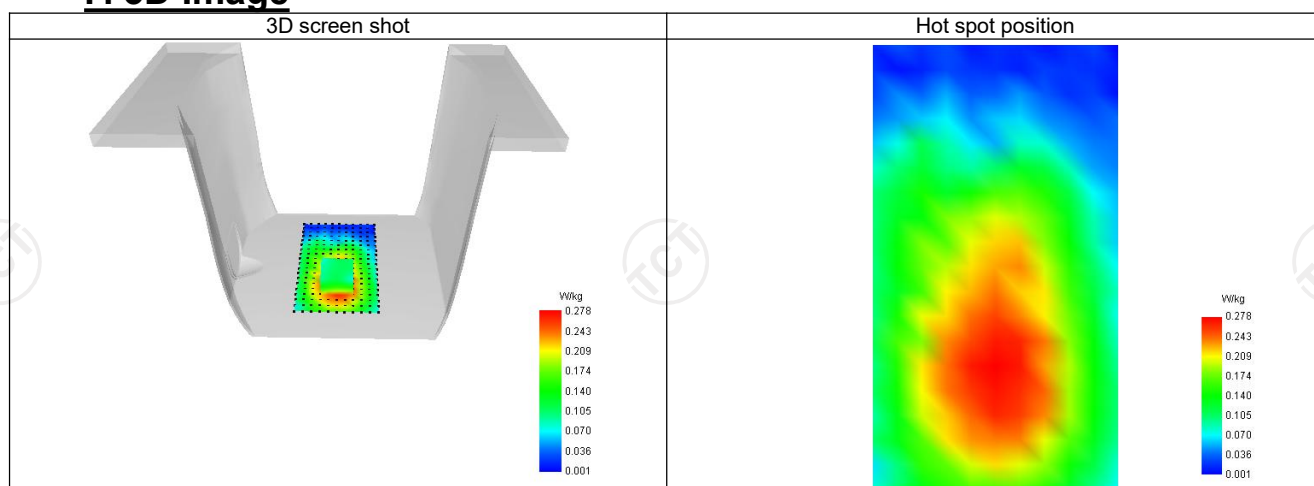
SAR 10g (W/Kg)	0.195
SAR 1g (W/Kg)	0.289
Variation (%)	-1.300
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.352	0.271	0.199	0.154	0.126



F. 3D Image



SAR Measurement at Bluetooth (Cheek, Left)

Date of measurement: 11/01/2023

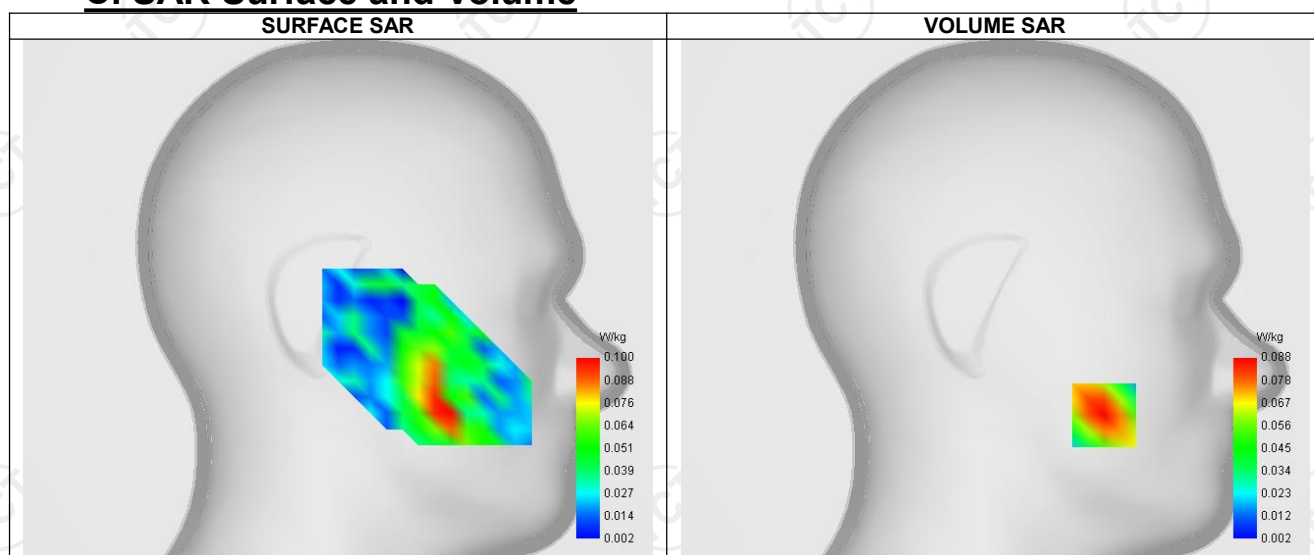
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	2.37
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Left head
Device Position	Cheek
Band	Bluetooth
Channels	Lower (1)
Signal	Bluetooth

B. Permittivity

Frequency (MHz)	2402.000
Relative permittivity (real part)	51.960
Relative permittivity (imaginary part)	14.930
Conductivity (S/m)	1.972

C. SAR Surface and Volume



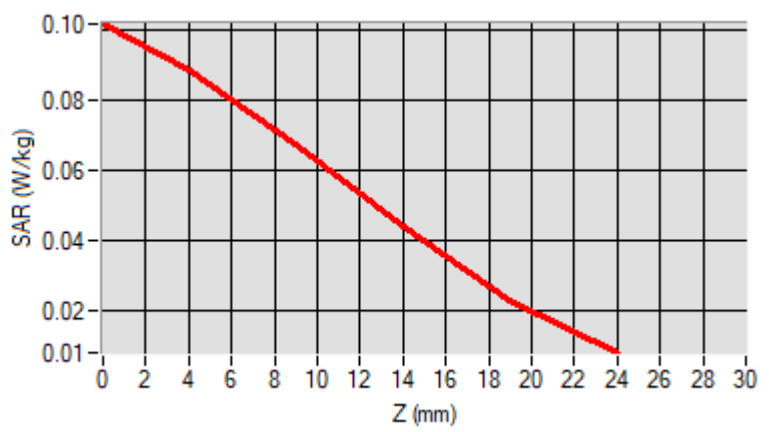
Maximum location: X=-54.00, Y=-57.00 ; SAR Peak: 0.12 W/kg

D. SAR 1g & 10g

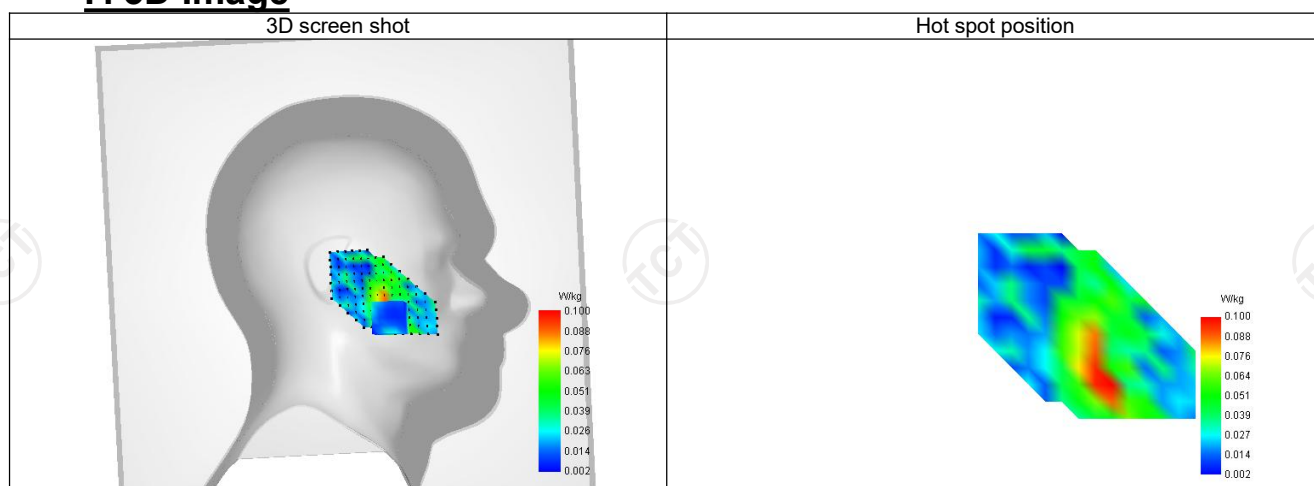
SAR 10g (W/Kg)	0.054
SAR 1g (W/Kg)	0.085
Variation (%)	-0.280
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.102	0.088	0.067	0.044	0.023



F. 3D Image



SAR Measurement at IEEE 802.11b ISM (Cheek, Right)

Date of measurement: 11/01/2023

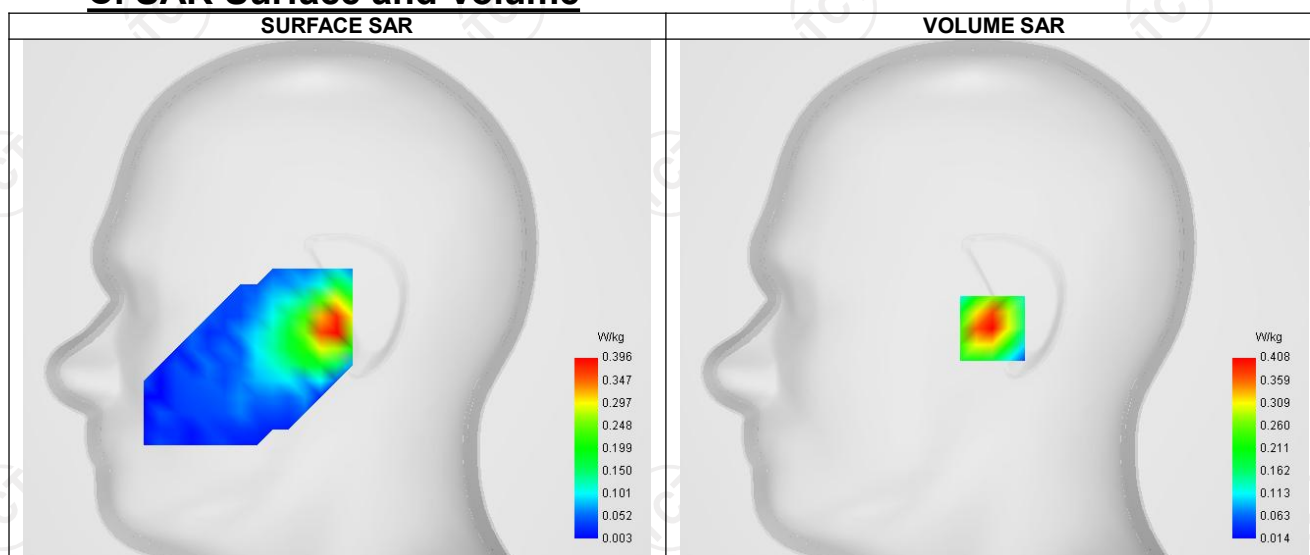
A. Experimental conditions.

Probe	SSE2 (SN 36/20 EPG0346)
ConvF	2.37
Area Scan	sam_direct_droit2_surf8mm.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm,Complete
Phantom	Right head
Device Position	Cheek
Band	IEEE 802.11b ISM
Channels	Higher (11)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	2462.000
Relative permittivity (real part)	51.910
Relative permittivity (imaginary part)	14.930
Conductivity (S/m)	2.031

C. SAR Surface and Volume



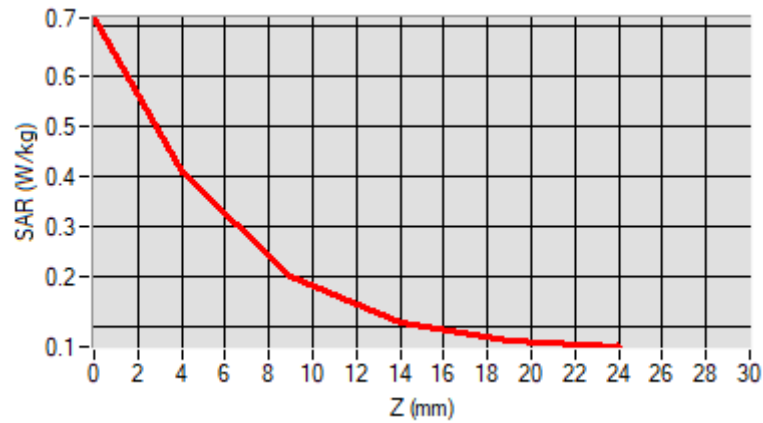
Maximum location: X=-1.00, Y=-14.00 ; SAR Peak: 0.72 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.199
SAR 1g (W/Kg)	0.312
Variation (%)	2.670
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)	0.716	0.408	0.197	0.104	0.071



F. 3D Image

