

5-Head with front position in dist. 0mm on Channel 9262 in WCDMA Band 2

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

Date of measurement: 20/6/2024

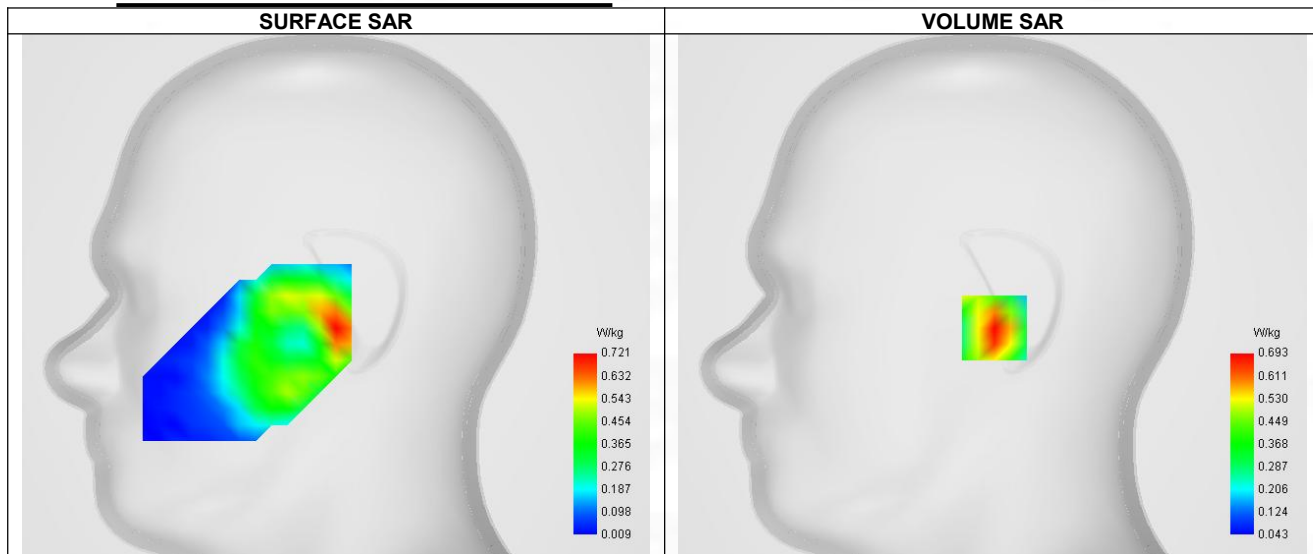
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.07
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right 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)	39.894
Relative permittivity (imaginary part)	13.718
Conductivity (S/m)	1.391

C. SAR Surface and Volume



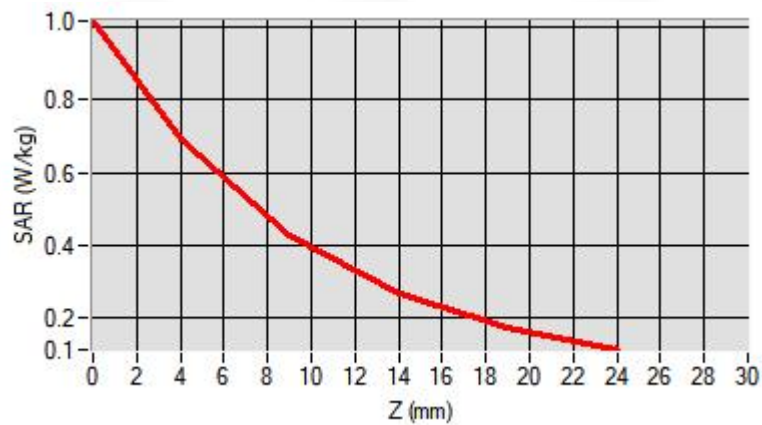
Maximum location: X=1.00, Y=-16.00 ; SAR Peak: 1.03 W/kg

D. SAR 1g & 10g

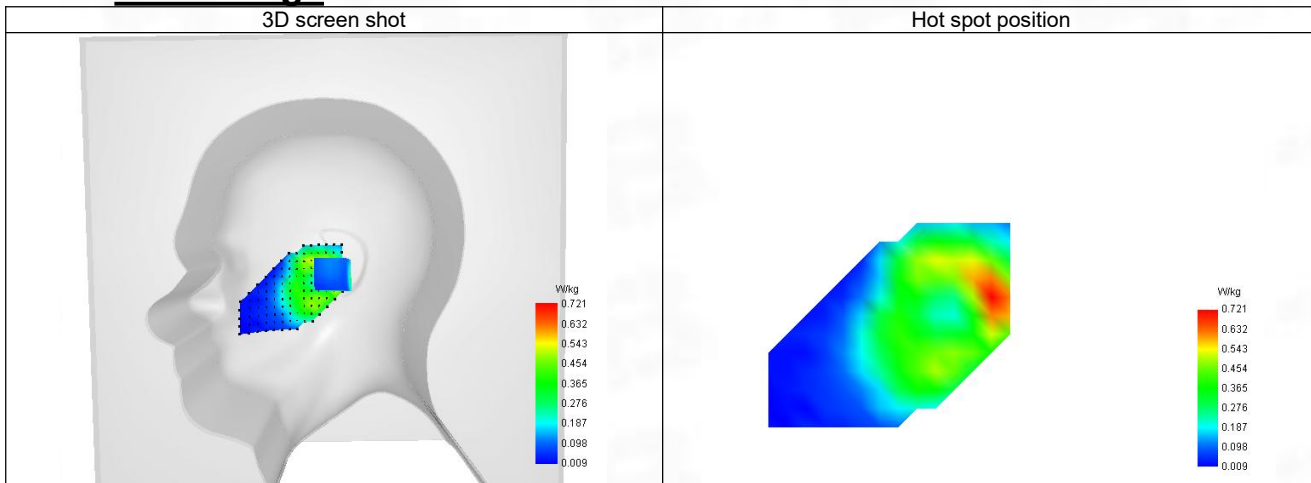
SAR 10g (W/Kg)	0.375
SAR 1g (W/Kg)	0.652
Variation (%)	-3.950
Horizontal validation criteria: minimum distance (mm)	8.655
Vertical validation criteria: SAR ratio M2/M1 (%)	61.04%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.018	0.693	0.423	0.263	0.171



F. 3D Image



6-Body with bottom position in dist. 10mm on Channel 9262 in WCDMA Band 2

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

Date of measurement: 20/6/2024

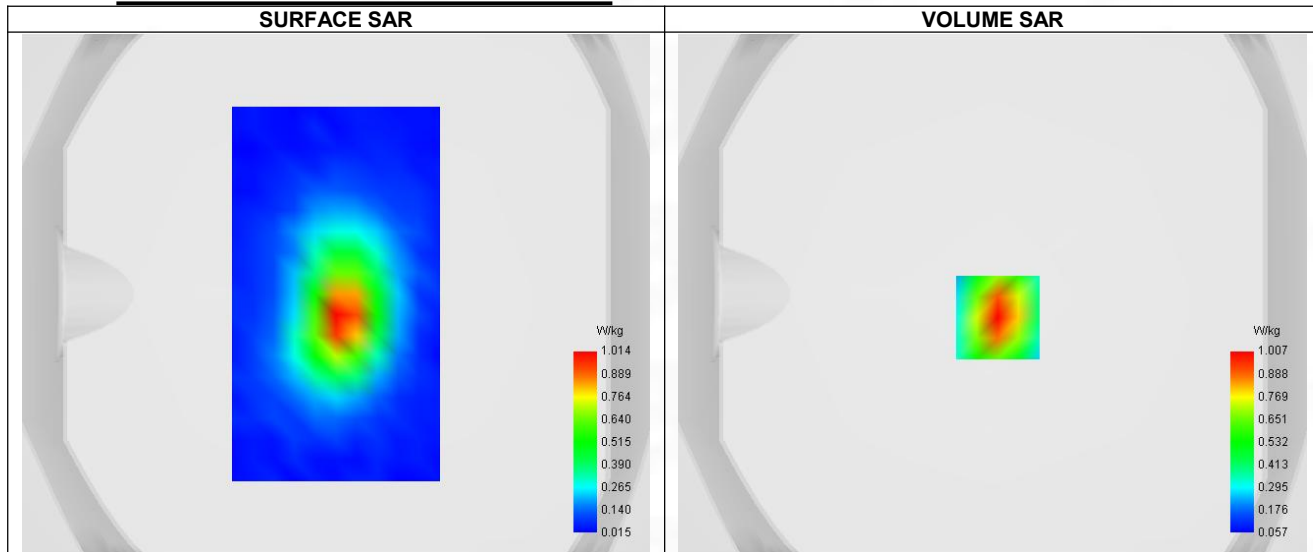
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.07
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
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)	39.894
Relative permittivity (imaginary part)	13.718
Conductivity (S/m)	1.391

C. SAR Surface and Volume

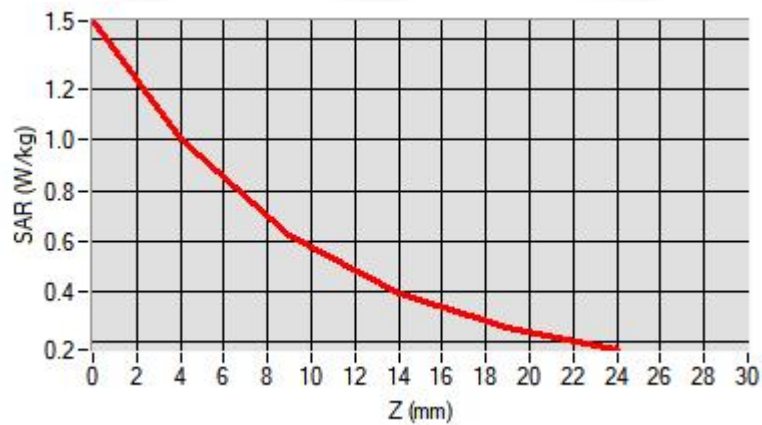


D. SAR 1g & 10g

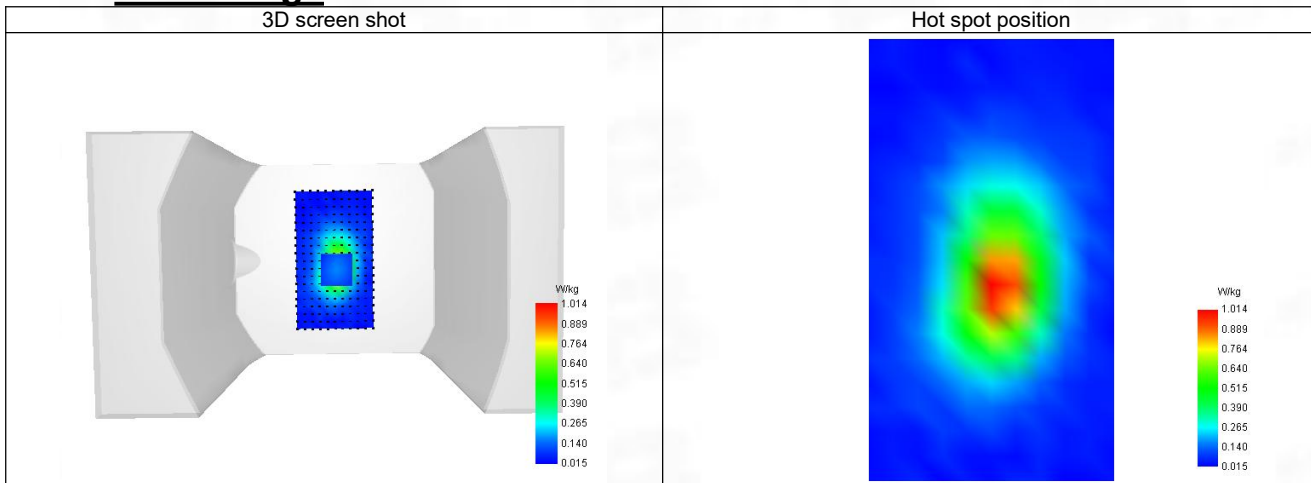
SAR 10g (W/Kg)	0.525
SAR 1g (W/Kg)	0.934
Variation (%)	-4.120
Horizontal validation criteria: minimum distance (mm)	9.620
Vertical validation criteria: SAR ratio M2/M1 (%)	61.77%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.470	1.007	0.622	0.393	0.259



F. 3D Image



7-Head with front position in dist. 0mm on Channel 1312 in WCDMA Band 4

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

Date of measurement: 20/6/2024

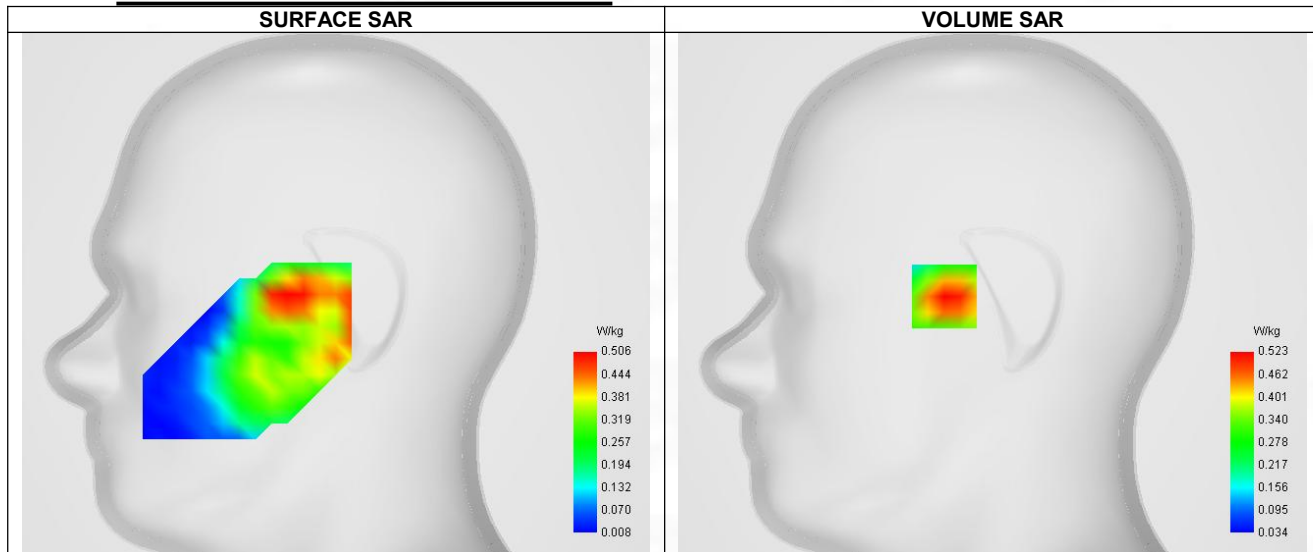
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right 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)	40.046
Relative permittivity (imaginary part)	14.580
Conductivity (S/m)	1.325

C. SAR Surface and Volume



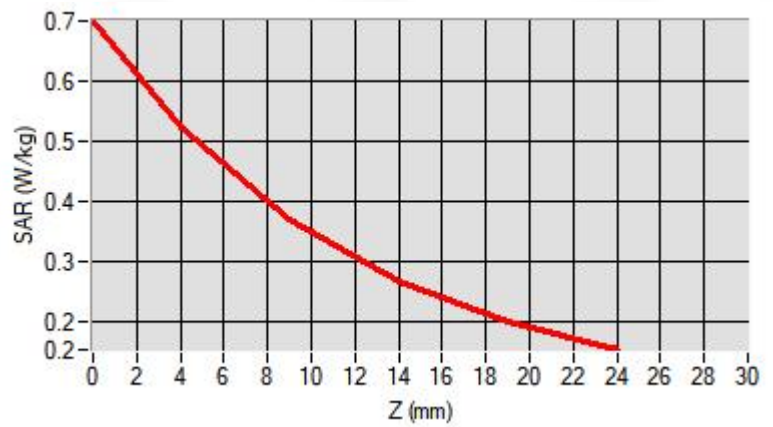
Maximum location: X=-24.00, Y=-1.00 ; SAR Peak: 0.70 W/kg

D. SAR 1g & 10g

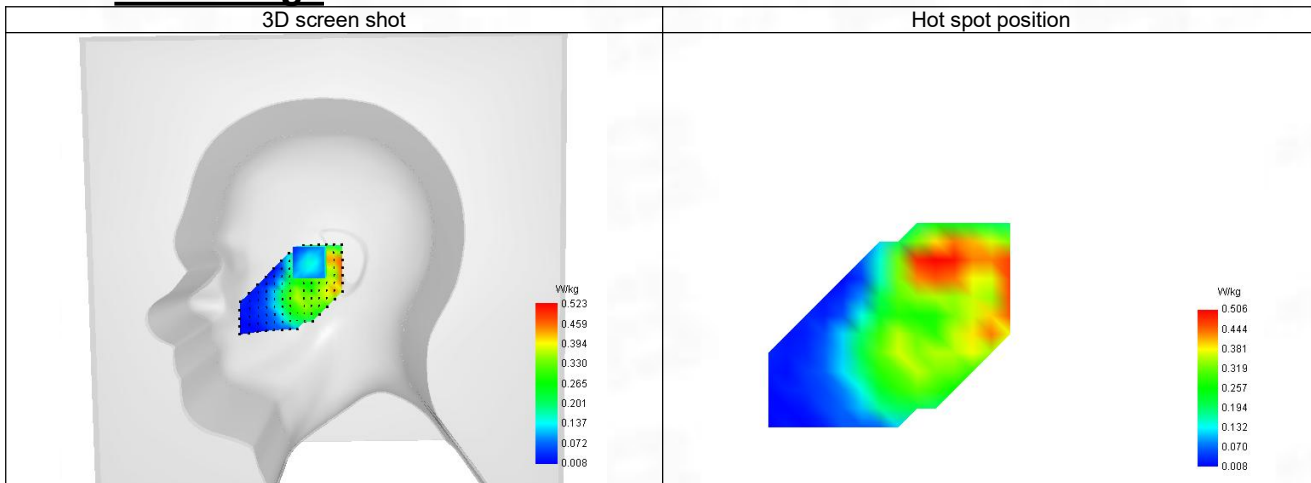
SAR 10g (W/Kg)	0.321
SAR 1g (W/Kg)	0.498
Variation (%)	-0.650
Horizontal validation criteria: minimum distance (mm)	9.415
Vertical validation criteria: SAR ratio M2/M1 (%)	70.36%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.698	0.523	0.368	0.267	0.202



F. 3D Image



8-Body with bottom position in dist. 10mm on Channel 1312 in WCDMA Band 4

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

Date of measurement: 20/6/2024

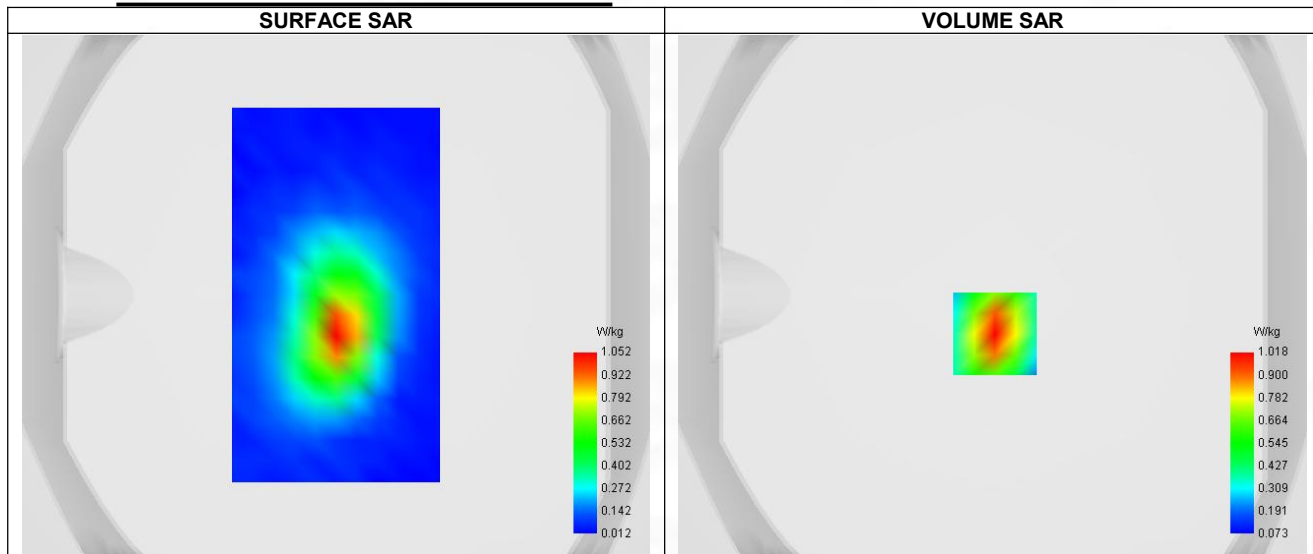
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
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)	40.046
Relative permittivity (imaginary part)	14.580
Conductivity (S/m)	1.325

C. SAR Surface and Volume

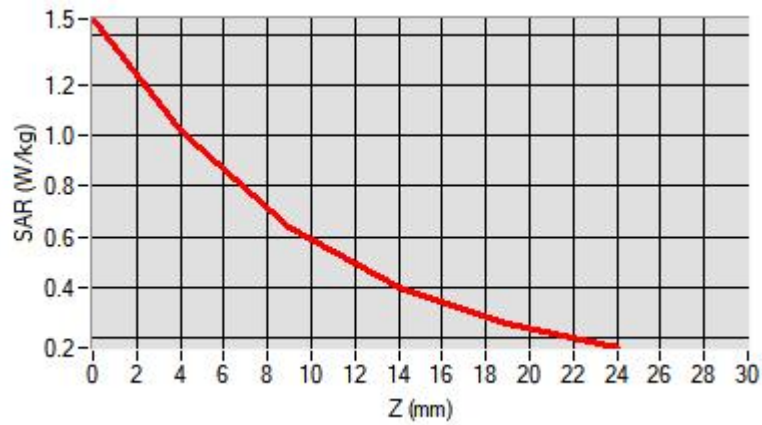


D. SAR 1g & 10g

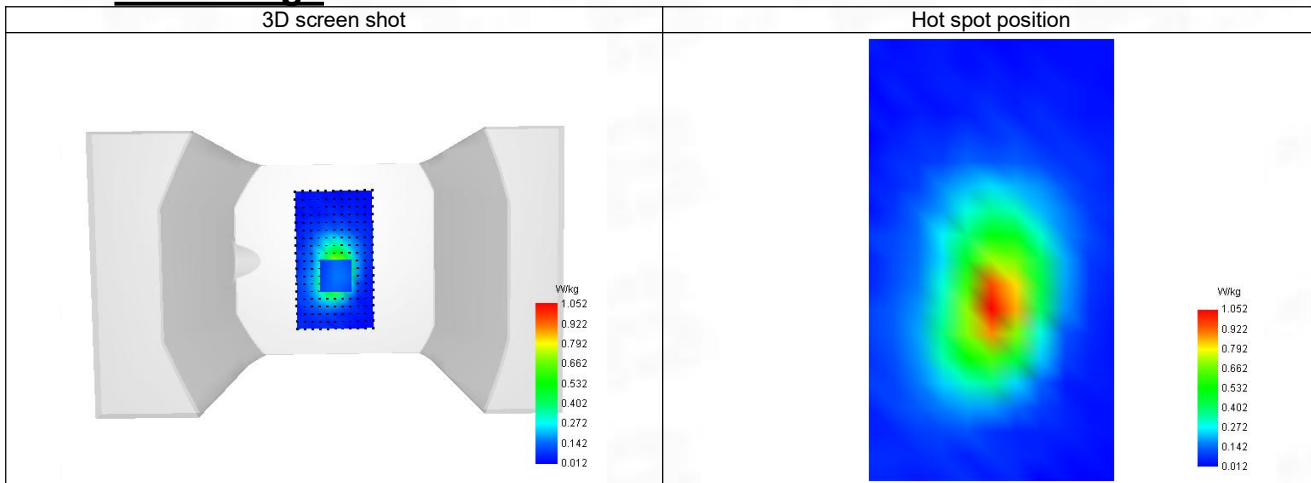
SAR 10g (W/Kg)	0.531
SAR 1g (W/Kg)	0.939
Variation (%)	-1.270
Horizontal validation criteria: minimum distance (mm)	8.963
Vertical validation criteria: SAR ratio M2/M1 (%)	62.67%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.464	1.018	0.638	0.401	0.256



F. 3D Image



9-Head with front position in dist. 0mm on Channel 4132 in WCDMA Band 5

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

Date of measurement: 19/6/2024

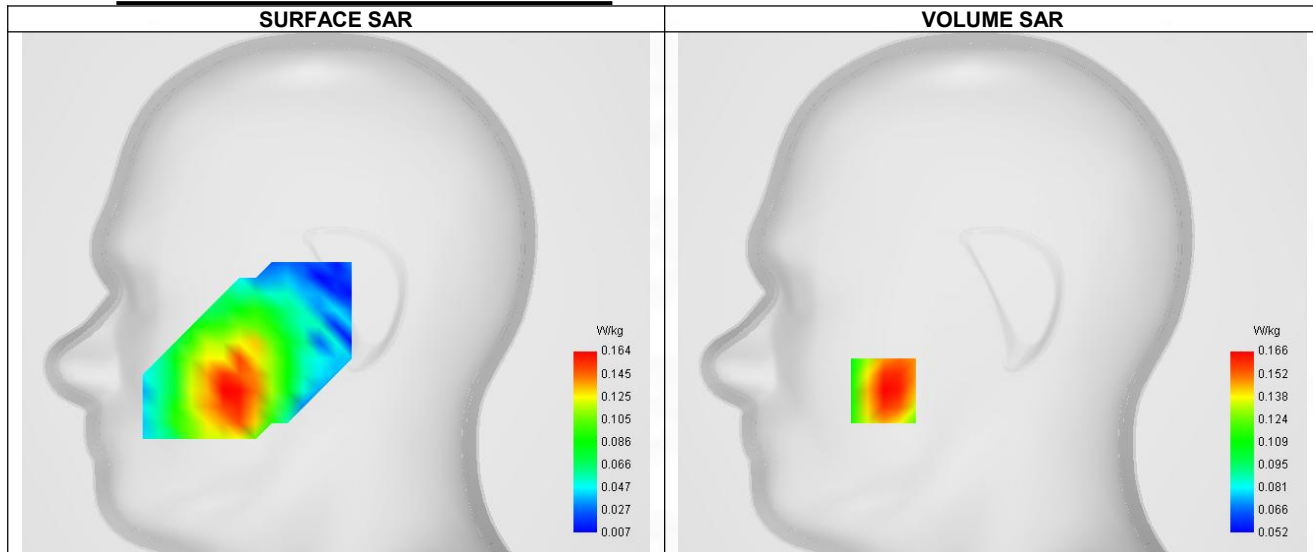
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.68
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right 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)	41.449
Relative permittivity (imaginary part)	19.689
Conductivity (S/m)	0.869

C. SAR Surface and Volume



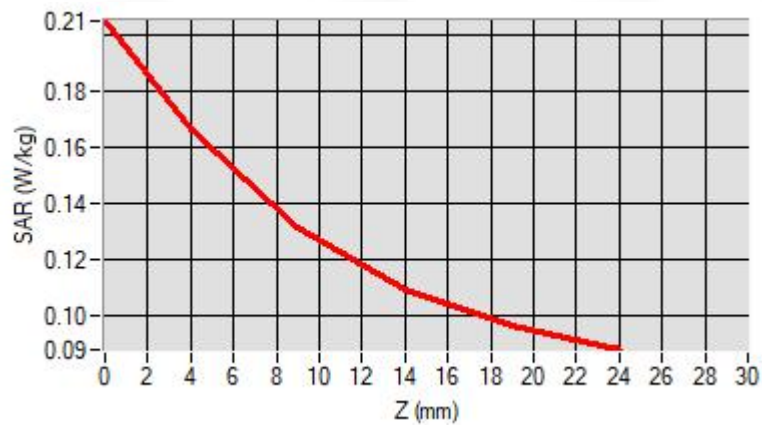
Maximum location: X=-54.00, Y=-48.00 ; SAR Peak: 0.21 W/kg

D. SAR 1g & 10g

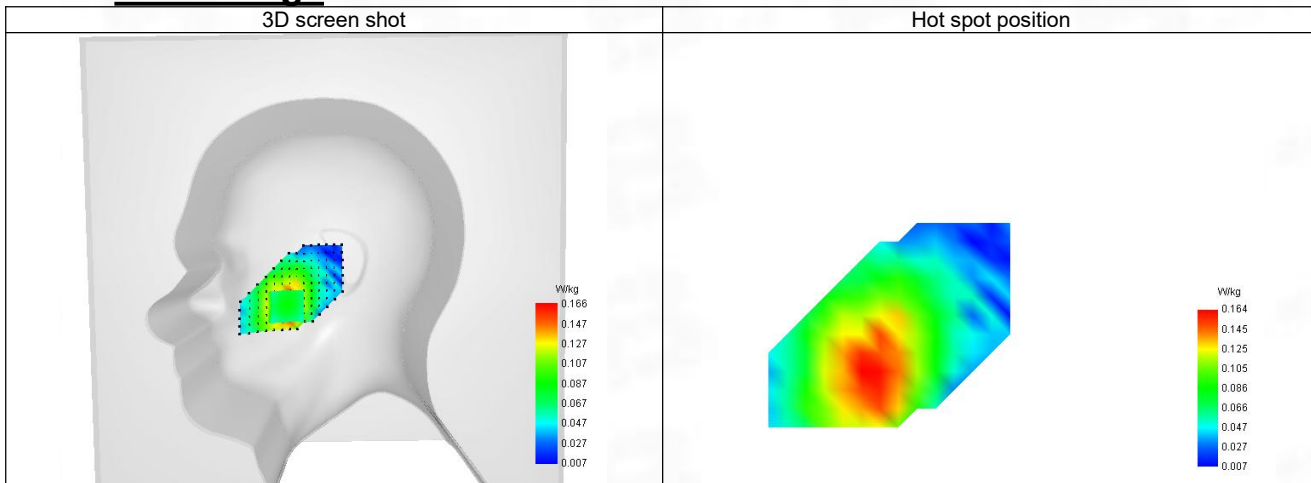
SAR 10g (W/Kg)	0.127
SAR 1g (W/Kg)	0.162
Variation (%)	-2.140
Horizontal validation criteria: minimum distance (mm)	10.140
Vertical validation criteria: SAR ratio M2/M1 (%)	79.52%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.205	0.166	0.132	0.110	0.097



F. 3D Image



10-Body with front position in dist. 10mm on Channel 4132 in WCDMA Band 5

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

Date of measurement: 29/6/2024

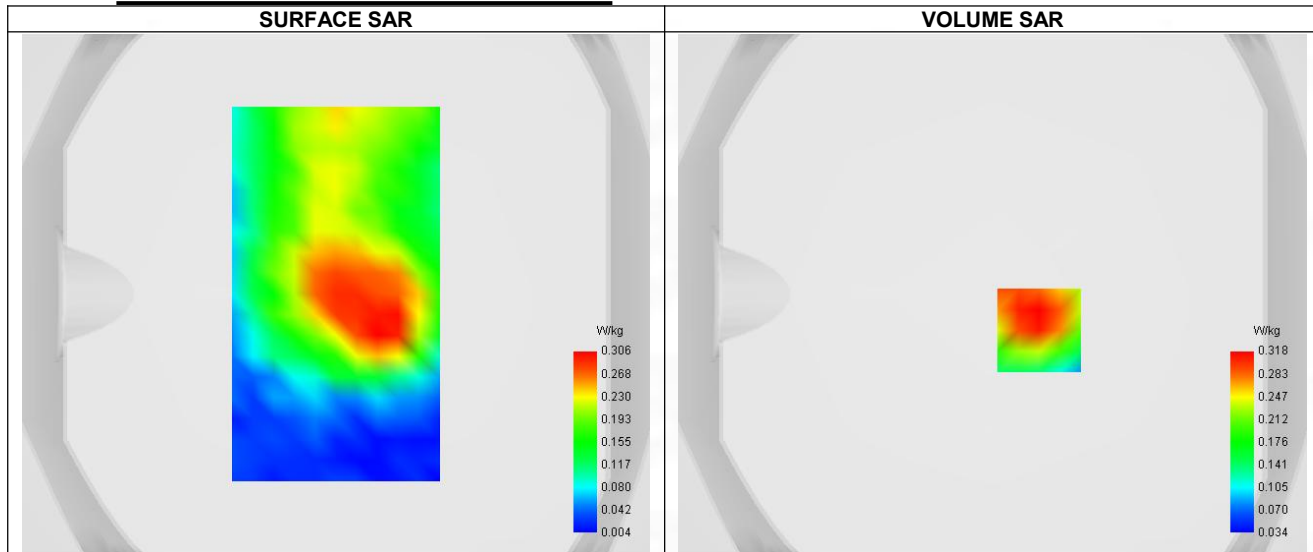
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.68
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
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)	41.449
Relative permittivity (imaginary part)	19.689
Conductivity (S/m)	0.869

C. SAR Surface and Volume



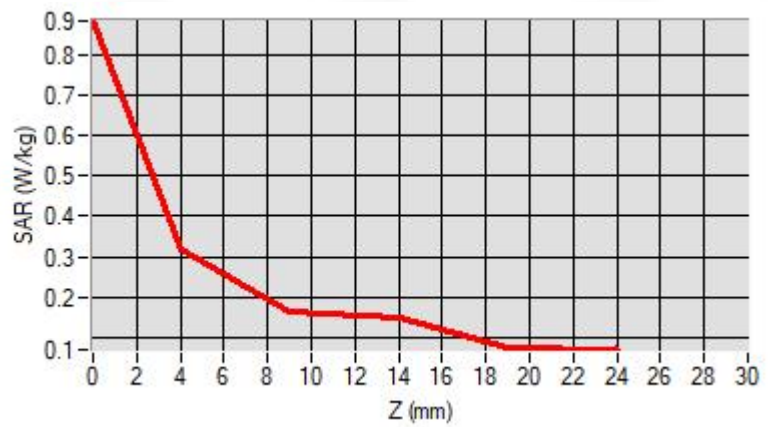
Maximum location: X=18.00, Y=-14.00 ; SAR Peak: 0.43 W/kg

D. SAR 1g & 10g

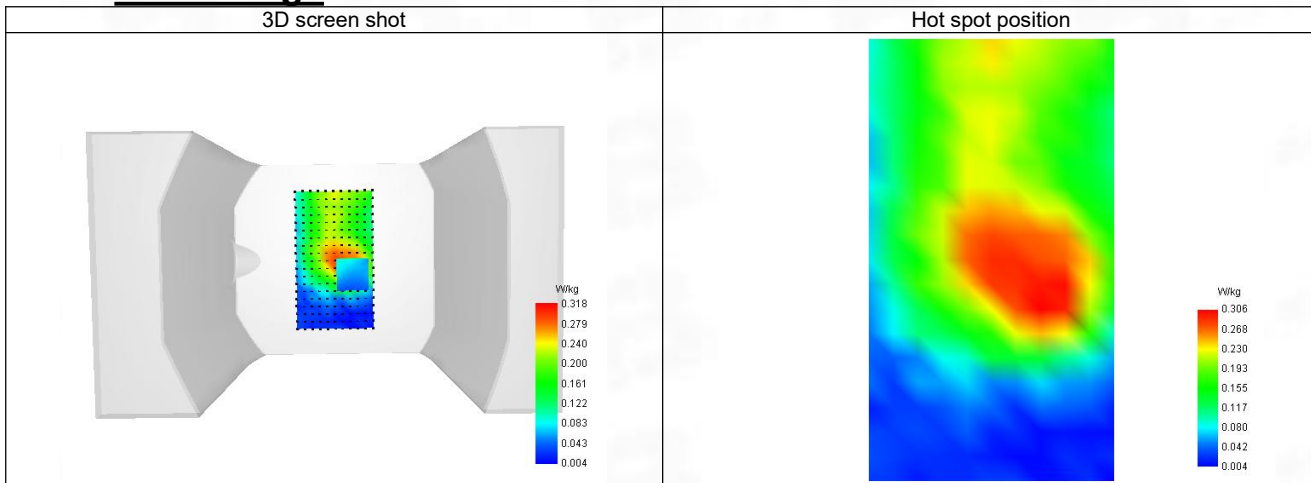
SAR 10g (W/Kg)	0.201
SAR 1g (W/Kg)	0.306
Variation (%)	-1.060
Horizontal validation criteria: minimum distance (mm)	8.054
Vertical validation criteria: SAR ratio M2/M1 (%)	52.20%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.882	0.318	0.166	0.151	0.075



F. 3D Image



11-Head with front position in dist. 0mm on Channel 19100 in LTE band 2

SAR Measurement at LTE band 2 (Cheek, Right)

Date of measurement: 21/6/2024

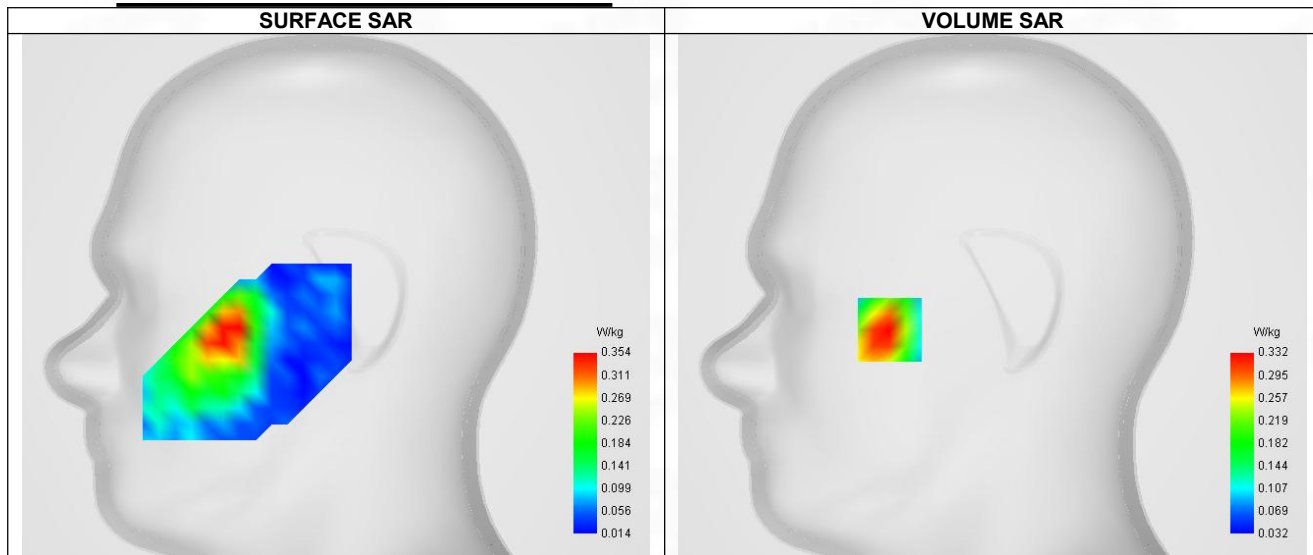
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.07
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 2
Channels	Higher (19100)
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	99
RB size	1

B. Permittivity

Frequency (MHz)	1908.910
Relative permittivity (real part)	39.867
Relative permittivity (imaginary part)	13.379
Conductivity (S/m)	1.416

C. SAR Surface and Volume



Maximum location: X=-51.00, Y=-17.00 ; SAR Peak: 0.50 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.197
SAR 1g (W/Kg)	0.323
Variation (%)	2.210
Horizontal validation criteria: minimum distance (mm)	8.165
Vertical validation criteria: SAR ratio M2/M1 (%)	63.25%

E. Z Axis Scan

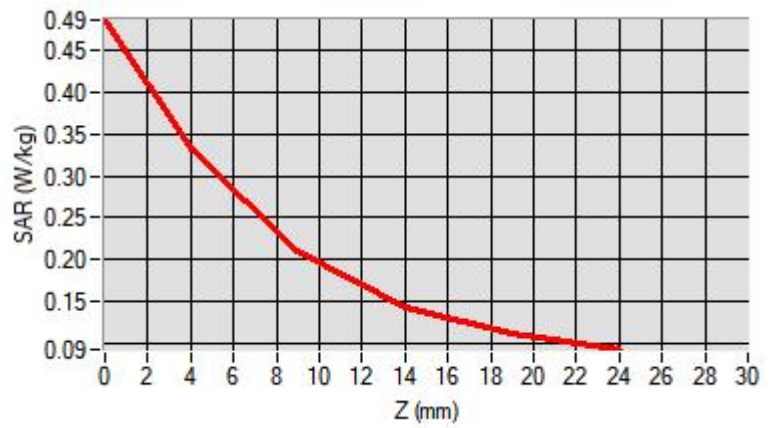
Z (mm)	0.00	4.00	9.00	14.00	19.00
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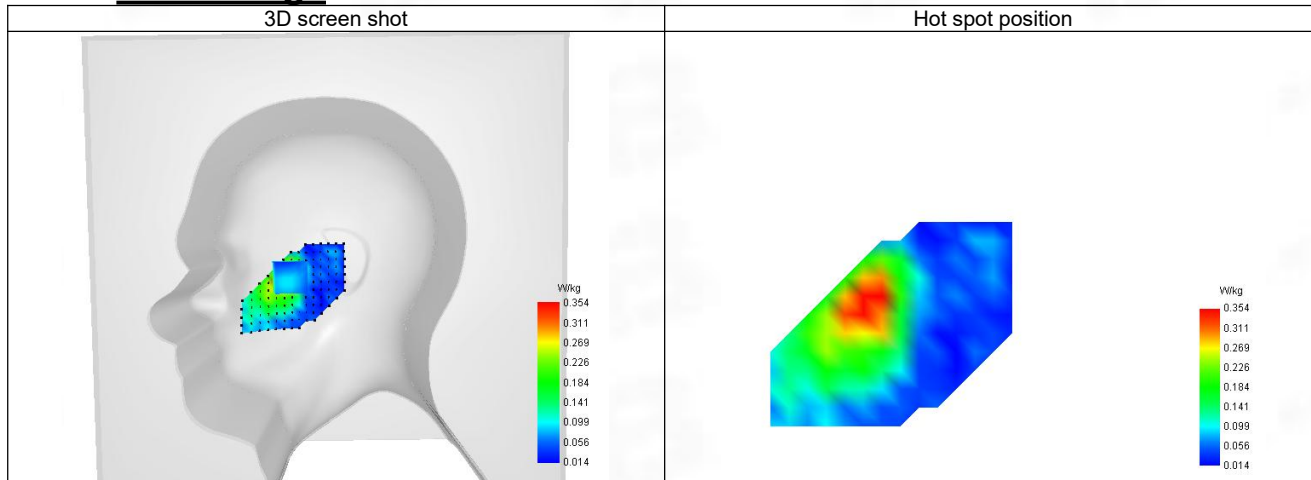
BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China

SAR (W/Kg)	0.487	0.332	0.210	0.143	0.110
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F. 3D Image



12-Body with bbottom position in dist. 10mm on Channel 19100 in LTE band 2

SAR Measurement at LTE band 2 (Body, Validation Plane)

Date of measurement: 21/6/2024

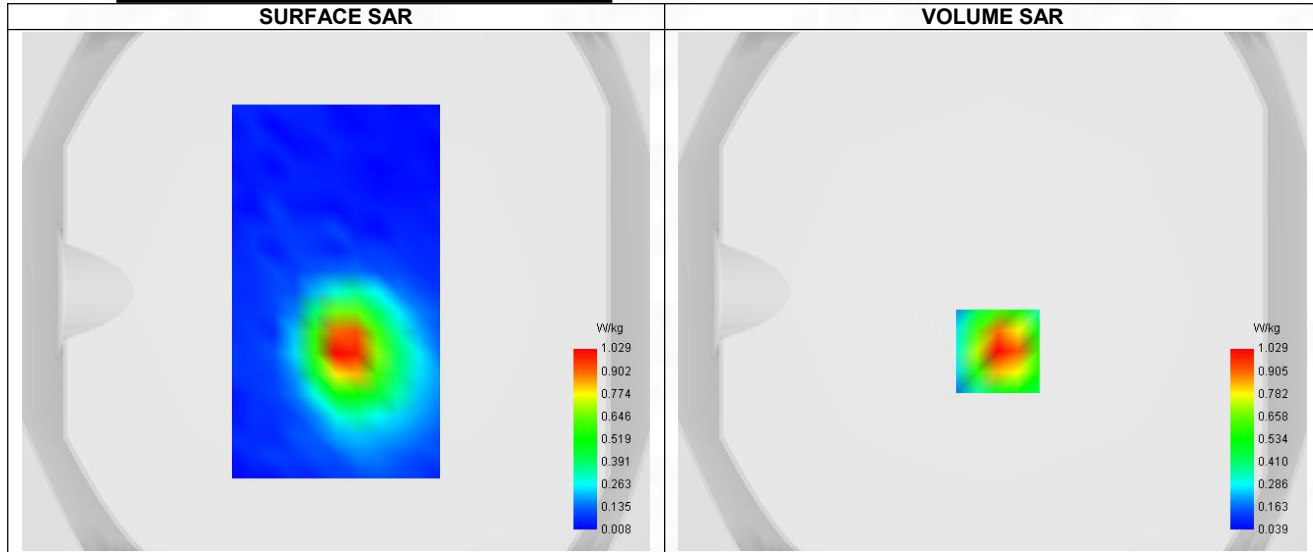
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.07
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 2
Channels	Higher (19100)
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	99
RB size	1

B. Permittivity

Frequency (MHz)	1908.910
Relative permittivity (real part)	39.867
Relative permittivity (imaginary part)	13.379
Conductivity (S/m)	1.416

C. SAR Surface and Volume

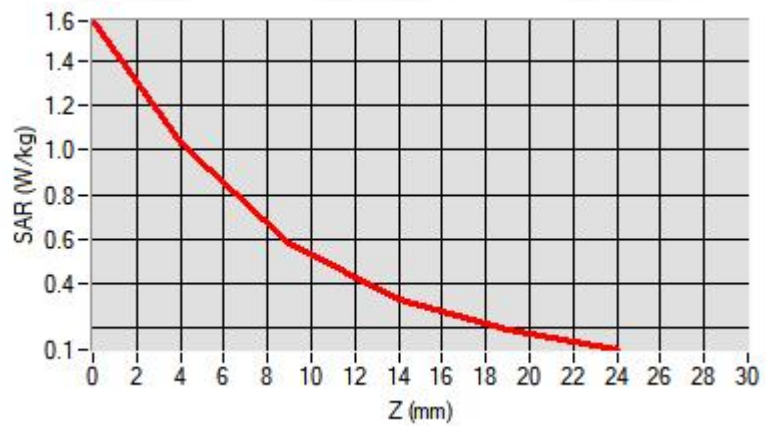


D. SAR 1g & 10g

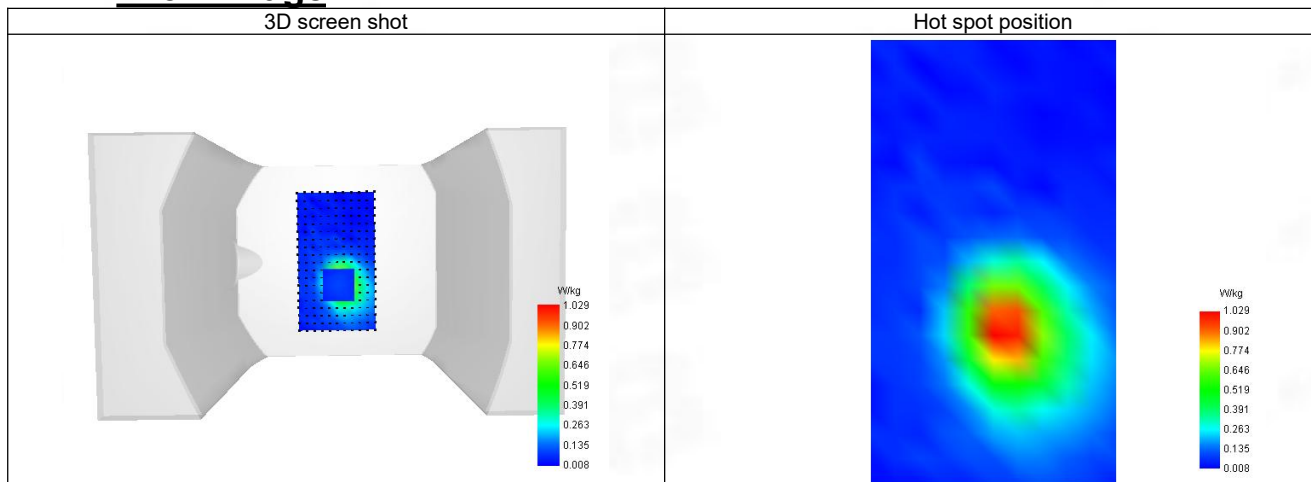
SAR 10g (W/Kg)	0.503
SAR 1g (W/Kg)	0.960
Variation (%)	2.530
Horizontal validation criteria: minimum distance (mm)	9.522
Vertical validation criteria: SAR ratio M2/M1 (%)	56.75%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.582	1.029	0.584	0.329	0.188



F. 3D Image



13-Head with front position in dist. 0mm on Channel 20050 in LTE band 4

SAR Measurement at LTE band 4 (Cheek, Right)

Date of measurement: 19/6/2024

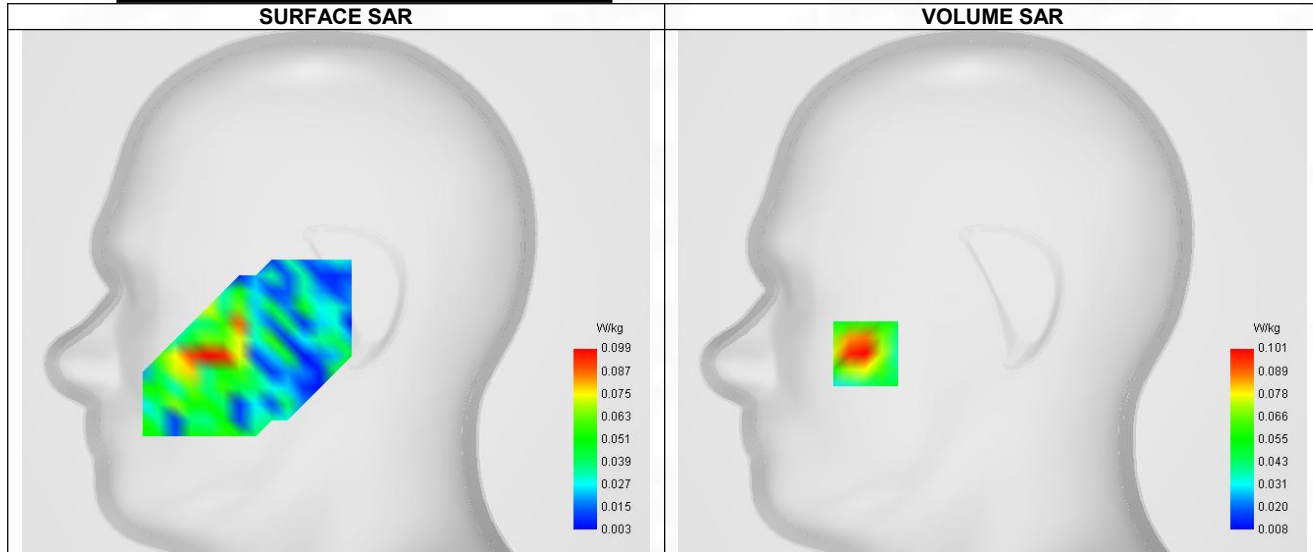
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 4
Channels	Lower (20050)
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Frequency (MHz)	1711.090
Relative permittivity (real part)	40.048
Relative permittivity (imaginary part)	14.588
Conductivity (S/m)	1.324

C. SAR Surface and Volume



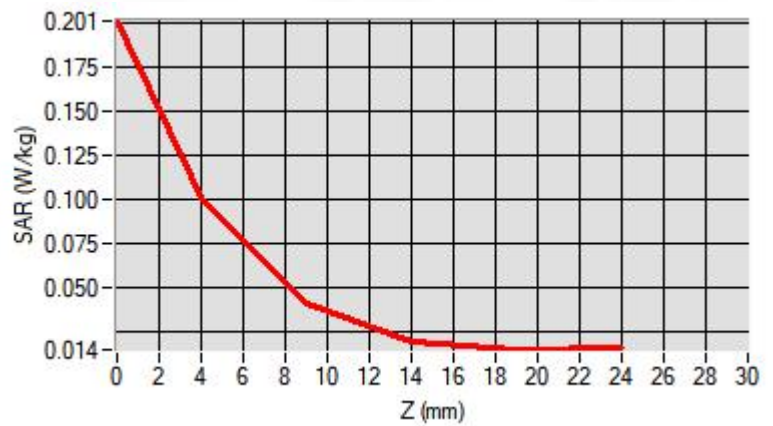
Maximum location: X=-63.00, Y=-31.00 ; SAR Peak: 0.21 W/kg

D. SAR 1g & 10g

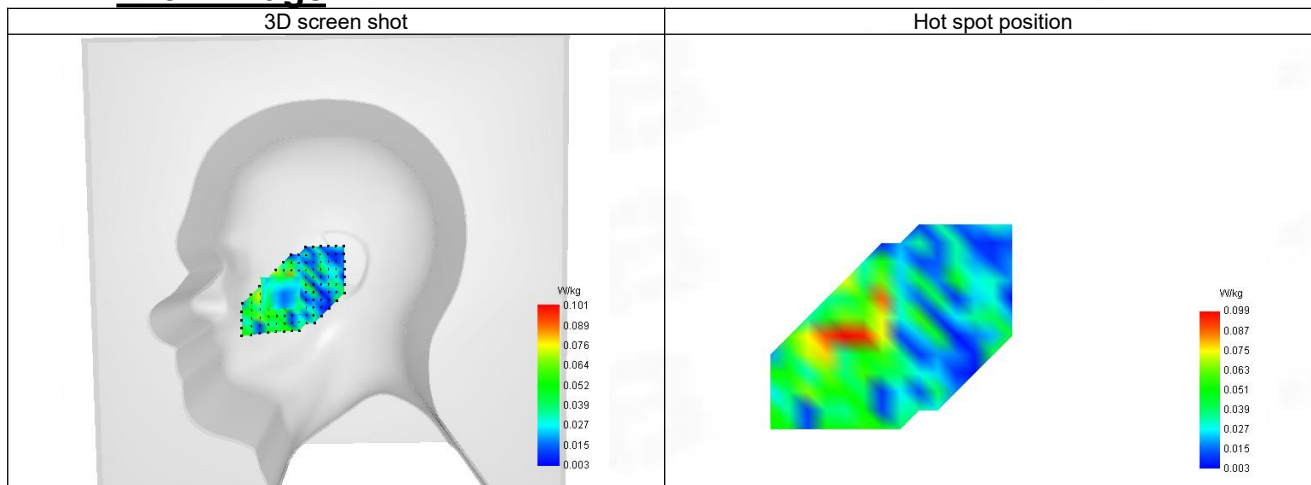
SAR 10g (W/Kg)	0.052
SAR 1g (W/Kg)	0.100
Variation (%)	8.211
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	39.60%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.201	0.101	0.040	0.019	0.014



F. 3D Image



14-Body with bottom position in dist. 10mm on Channel 20050 in LTE band 4

SAR Measurement at LTE band 4 (Body, Validation Plane)

Date of measurement: 19/6/2024

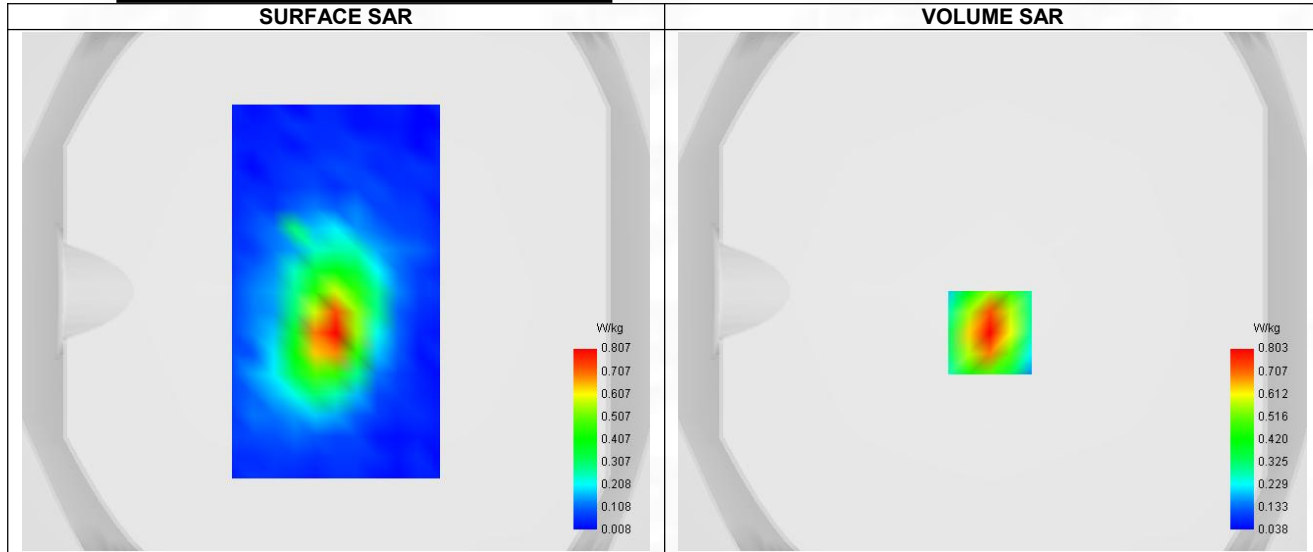
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 4
Channels	Lower (20050)
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Frequency (MHz)	1711.090
Relative permittivity (real part)	40.048
Relative permittivity (imaginary part)	14.588
Conductivity (S/m)	1.324

C. SAR Surface and Volume



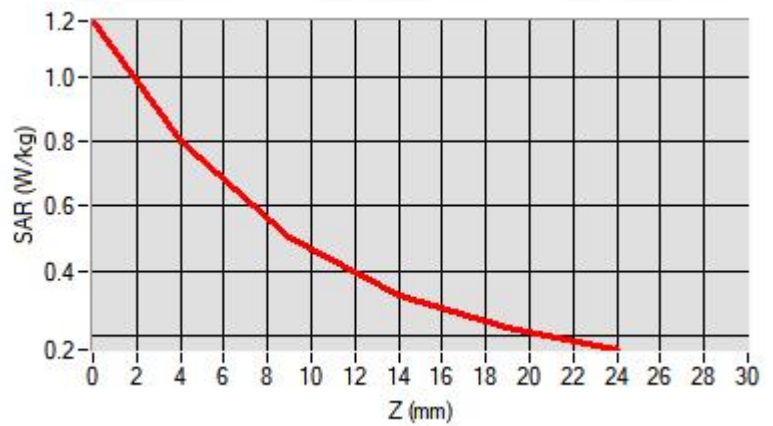
Maximum location: X=-1.00, Y=-16.00 ; SAR Peak: 1.17 W/kg

D. SAR 1g & 10g

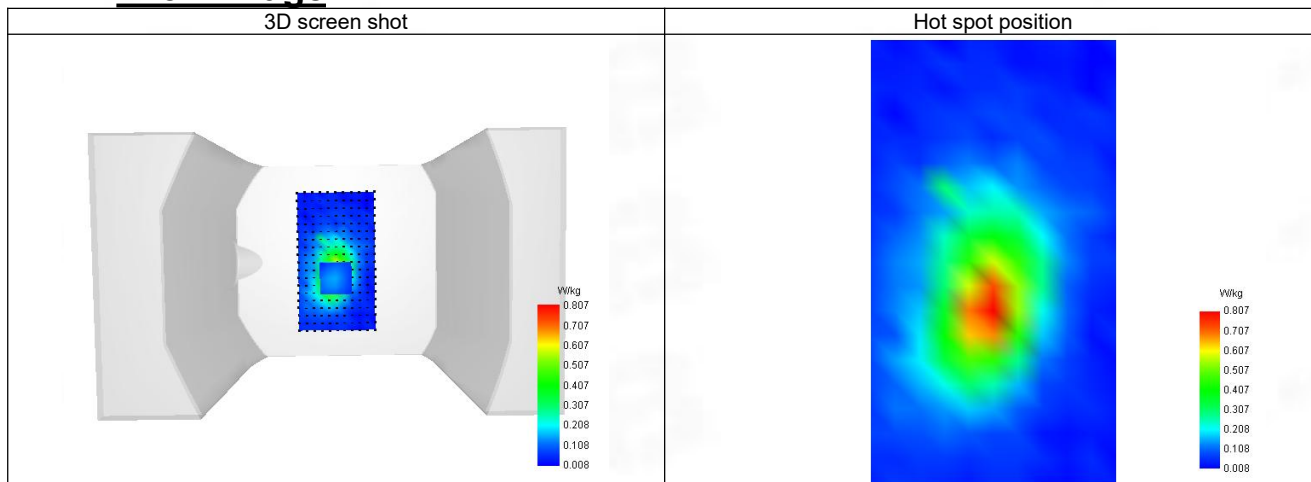
SAR 10g (W/Kg)	0.423
SAR 1g (W/Kg)	0.744
Variation (%)	-3.680
Horizontal validation criteria: minimum distance (mm)	8.934
Vertical validation criteria: SAR ratio M2/M1 (%)	62.27%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.172	0.803	0.500	0.322	0.221



F. 3D Image



15-Head with front position in dist. 0mm on Channel 20525 in LTE band 5

SAR Measurement at LTE band 5 (Cheek, Right)

Date of measurement: 18/6/2024

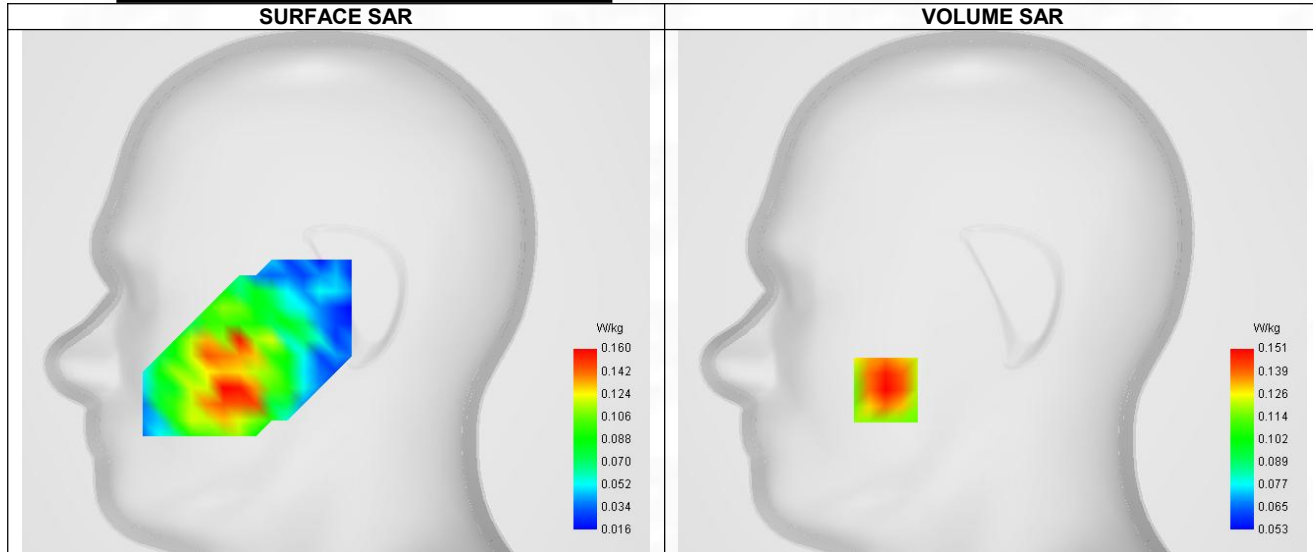
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.68
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 5
Channels	Middle (20525)
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	24
RB size	1

B. Permittivity

Frequency (MHz)	836.410
Relative permittivity (real part)	41.408
Relative permittivity (imaginary part)	19.482
Conductivity (S/m)	0.871

C. SAR Surface and Volume



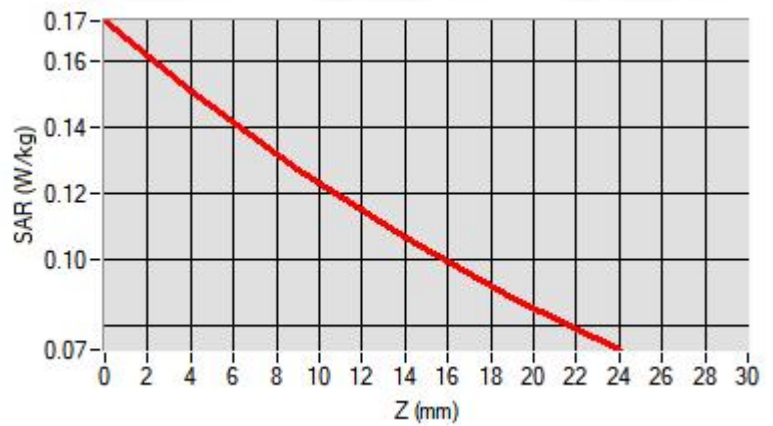
Maximum location: X=-53.00, Y=-49.00 ; SAR Peak: 0.17 W/kg

D. SAR 1g & 10g

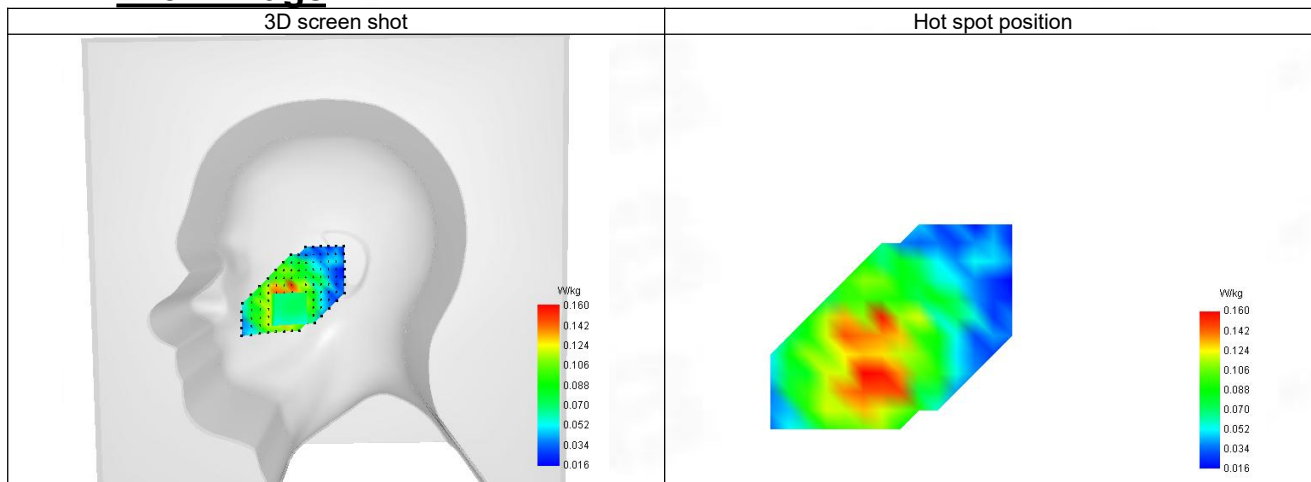
SAR 10g (W/Kg)	0.118
SAR 1g (W/Kg)	0.147
Variation (%)	-4.680
Horizontal validation criteria: minimum distance (mm)	9.325
Vertical validation criteria: SAR ratio M2/M1 (%)	84.11%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.172	0.151	0.127	0.107	0.089



F. 3D Image



16-Body with back position in dist. 10mm on Channel 20525 in LTE band 5

SAR Measurement at LTE band 5 (Body, Validation Plane)

Date of measurement: 18/6/2024

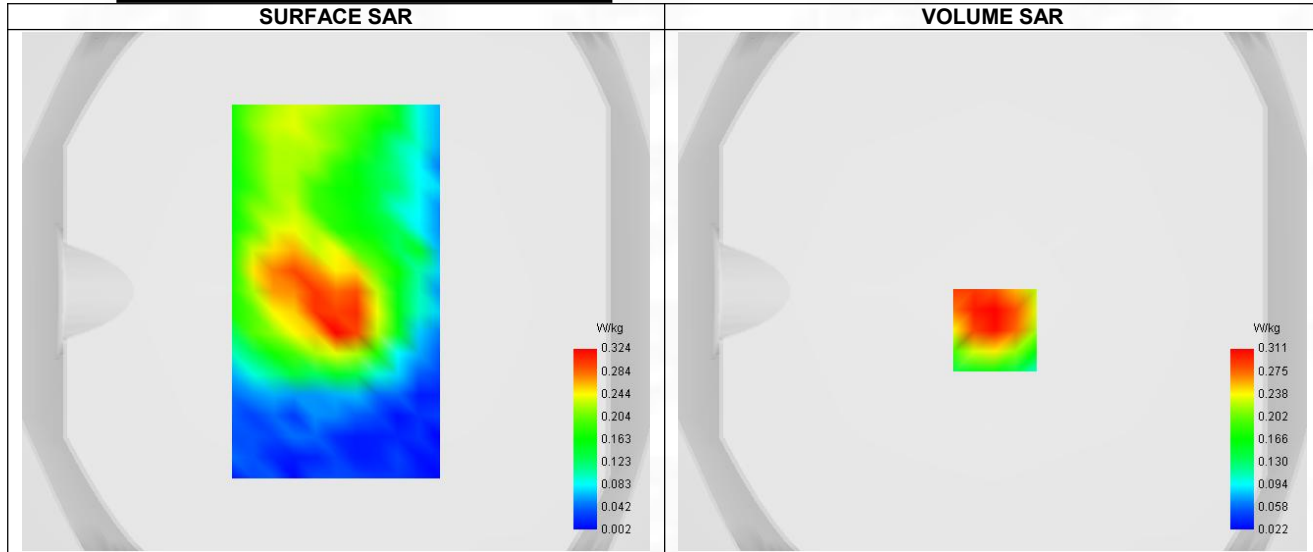
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.68
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 5
Channels	Middle (20525)
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	24
RB size	1

B. Permittivity

Frequency (MHz)	836.410
Relative permittivity (real part)	41.408
Relative permittivity (imaginary part)	19.482
Conductivity (S/m)	0.871

C. SAR Surface and Volume

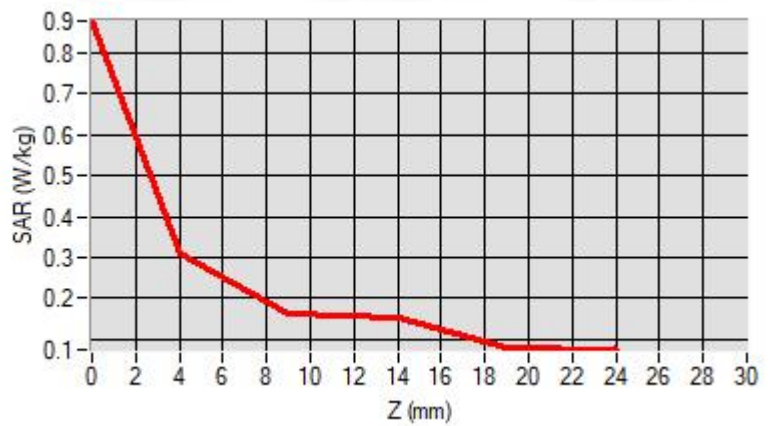


D. SAR 1g & 10g

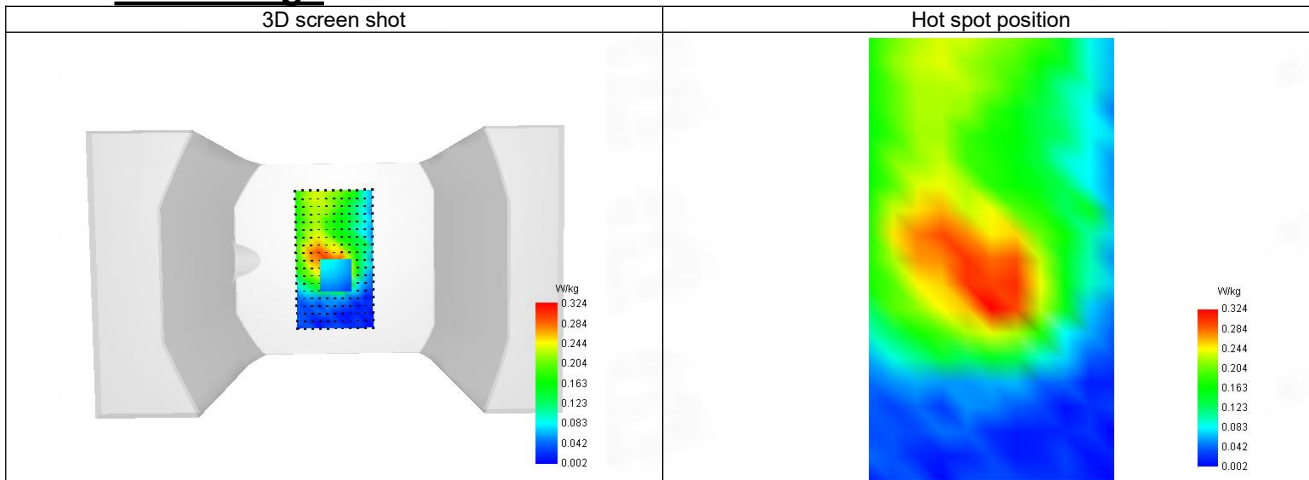
SAR 10g (W/Kg)	0.202
SAR 1g (W/Kg)	0.300
Variation (%)	-2.410
Horizontal validation criteria: minimum distance (mm)	8.634
Vertical validation criteria: SAR ratio M2/M1 (%)	52.41%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.878	0.311	0.163	0.154	0.080



F. 3D Image



17-Head with front position in dist. 0mm on Channel 21350 in LTE band 7

SAR Measurement at LTE band 7 (Cheek, Right)

Date of measurement: 25/6/2024

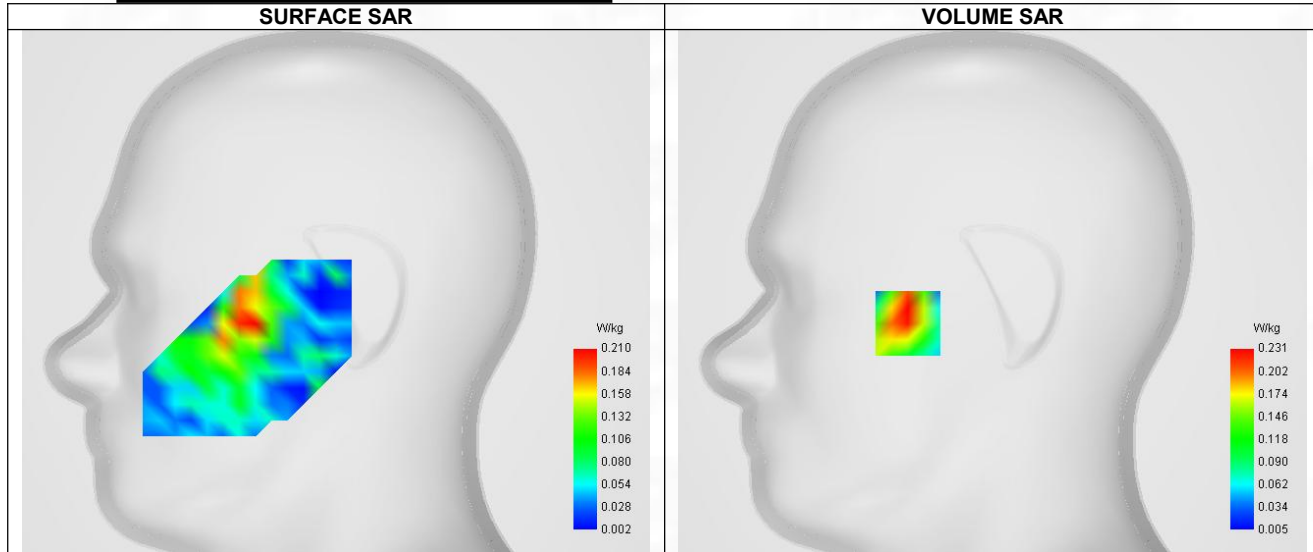
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.08
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 7
Channels	Higher (21350)
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1

B. Permittivity

Frequency (MHz)	2559.910
Relative permittivity (real part)	38.933
Relative permittivity (imaginary part)	12.864
Conductivity (S/m)	1.927

C. SAR Surface and Volume



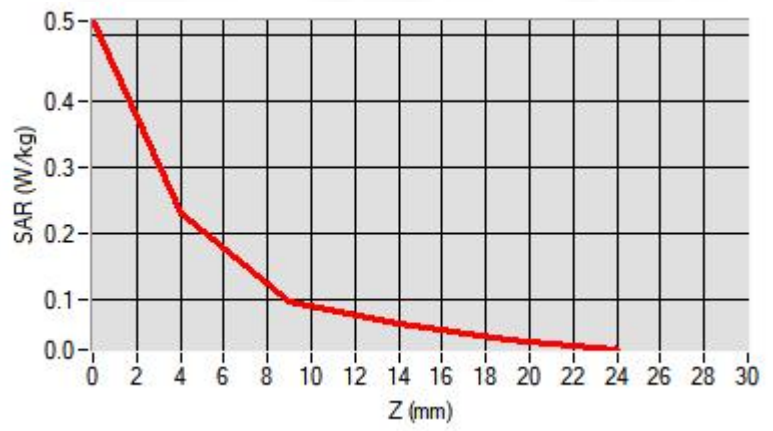
Maximum location: X=-42.00, Y=-16.00 ; SAR Peak: 0.39 W/kg

D. SAR 1g & 10g

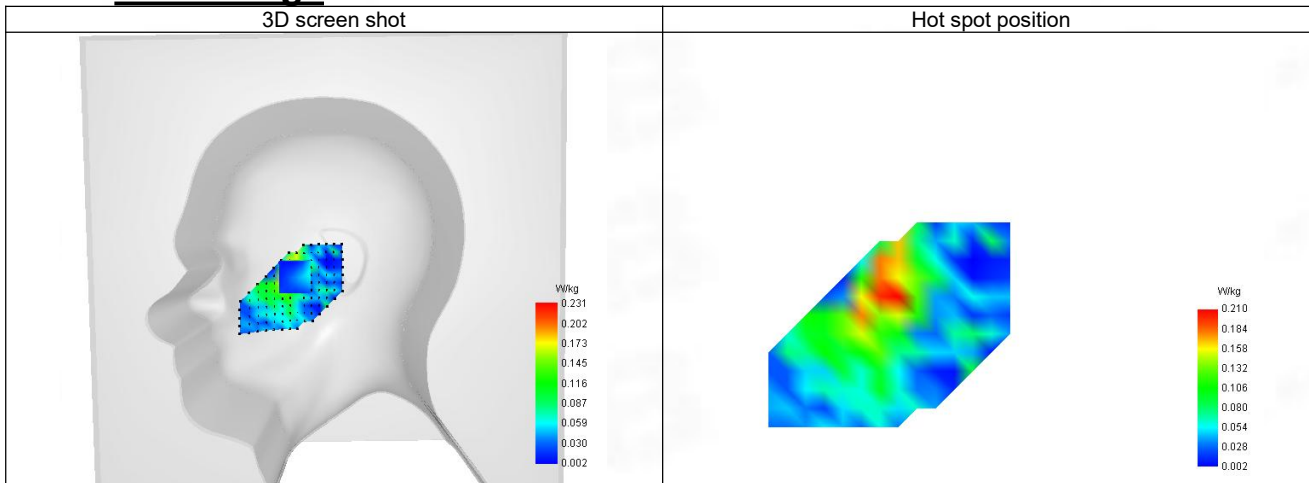
SAR 10g (W/Kg)	0.118
SAR 1g (W/Kg)	0.217
Variation (%)	2.570
Horizontal validation criteria: minimum distance (mm)	8.597
Vertical validation criteria: SAR ratio M2/M1 (%)	41.99%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.522	0.231	0.097	0.063	0.040



F. 3D Image



18-Body with bottom position in dist. 10mm on Channel 21350 in LTE band 7

SAR Measurement at LTE band 7 (Body, Validation Plane)

Date of measurement: 25/6/2024

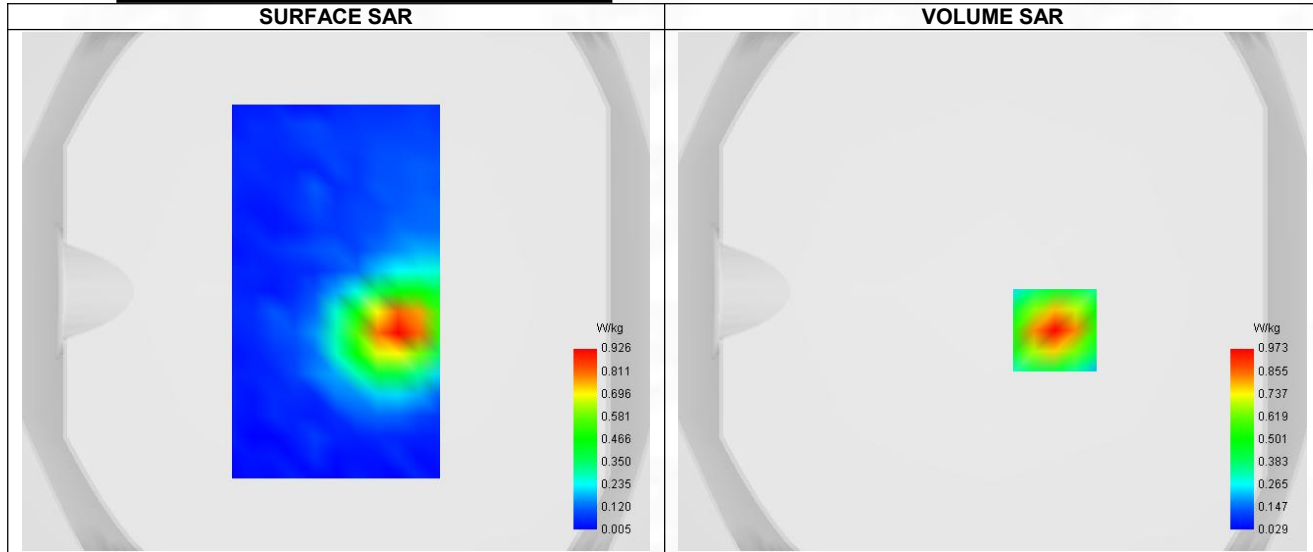
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.08
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 7
Channels	Higher (21350)
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1

B. Permittivity

Frequency (MHz)	2559.910
Relative permittivity (real part)	38.933
Relative permittivity (imaginary part)	12.864
Conductivity (S/m)	1.927

C. SAR Surface and Volume



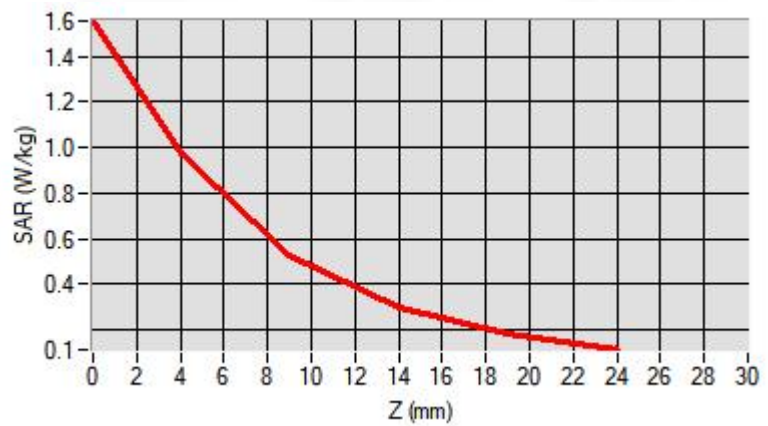
Maximum location: X=24.00, Y=-15.00 ; SAR Peak: 1.56 W/kg

D. SAR 1g & 10g

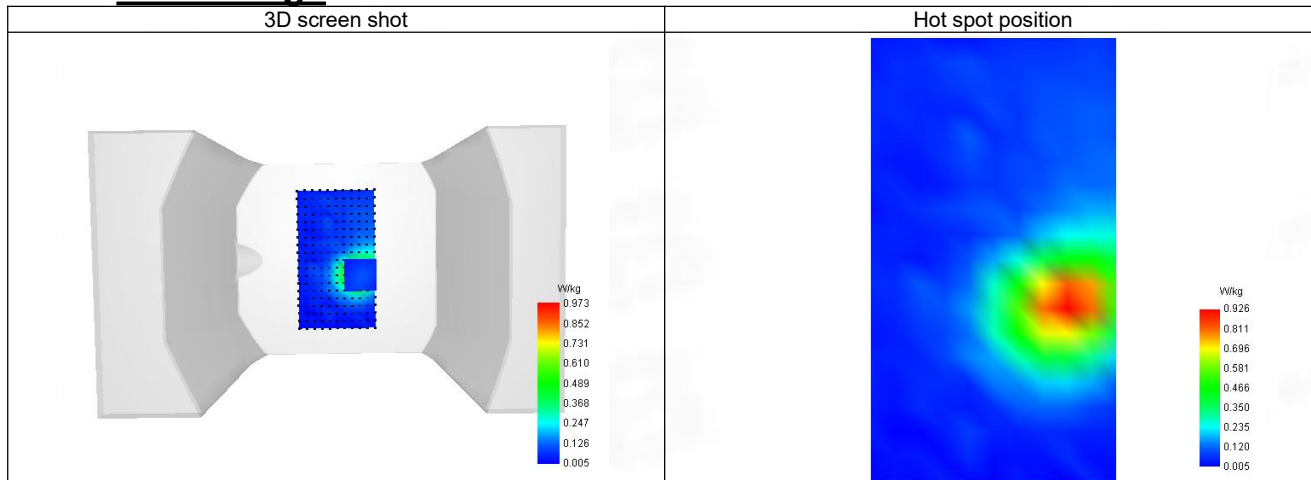
SAR 10g (W/Kg)	0.467
SAR 1g (W/Kg)	0.900
Variation (%)	-2.990
Horizontal validation criteria: minimum distance (mm)	9.387
Vertical validation criteria: SAR ratio M2/M1 (%)	54.37%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.555	0.973	0.529	0.294	0.178



F. 3D Image



19-Head with front position in dist. 0mm on Channel 24075 in LTE band 19

SAR Measurement at LTE band 19 (Cheek, Right)

Date of measurement: 19/6/2024

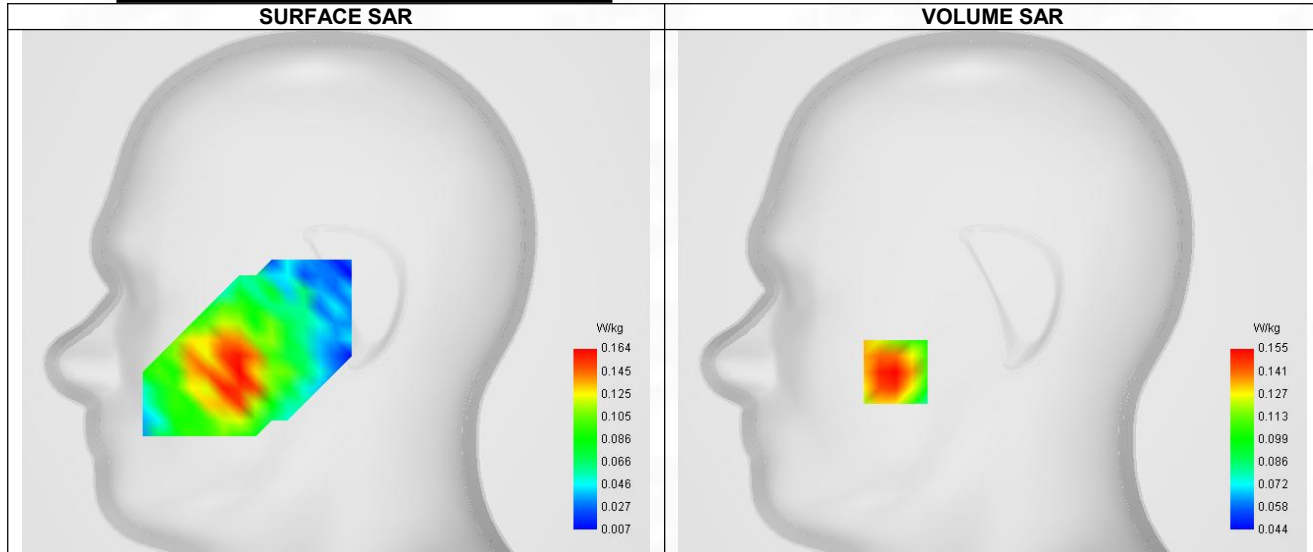
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.68
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 19
Channels	Middle (24075)
Signal	LTE FDD
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Frequency (MHz)	830.840
Relative permittivity (real part)	41.429
Relative permittivity (imaginary part)	19.586
Conductivity (S/m)	0.870

C. SAR Surface and Volume



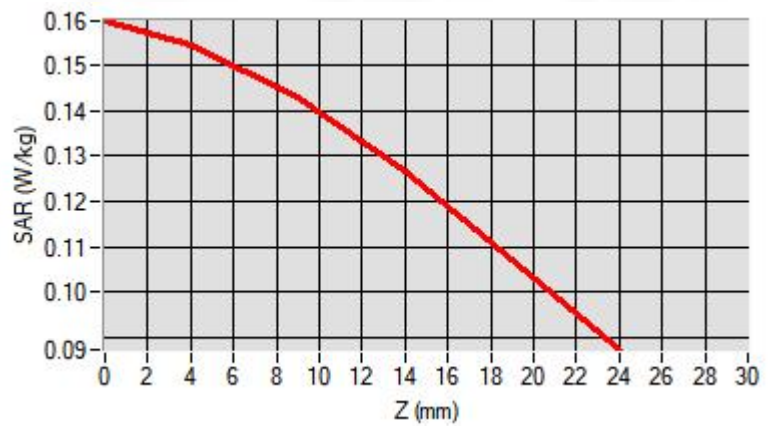
Maximum location: X=-48.00, Y=-40.00 ; SAR Peak: 0.18 W/kg

D. SAR 1g & 10g

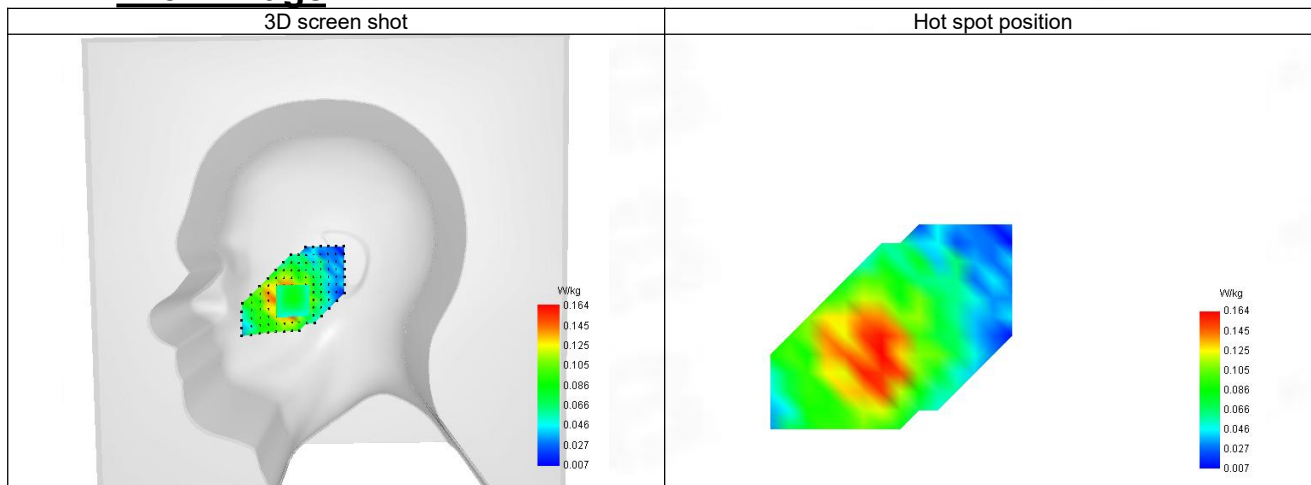
SAR 10g (W/Kg)	0.123
SAR 1g (W/Kg)	0.151
Variation (%)	-4.460
Horizontal validation criteria: minimum distance (mm)	8.825
Vertical validation criteria: SAR ratio M2/M1 (%)	72.90%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.160	0.155	0.113	0.107	0.087



F. 3D Image



20-Body with back position in dist. 10mm on Channel 24075 in LTE band 19

SAR Measurement at LTE band 19 (Body, Validation Plane)

Date of measurement: 19/6/2024

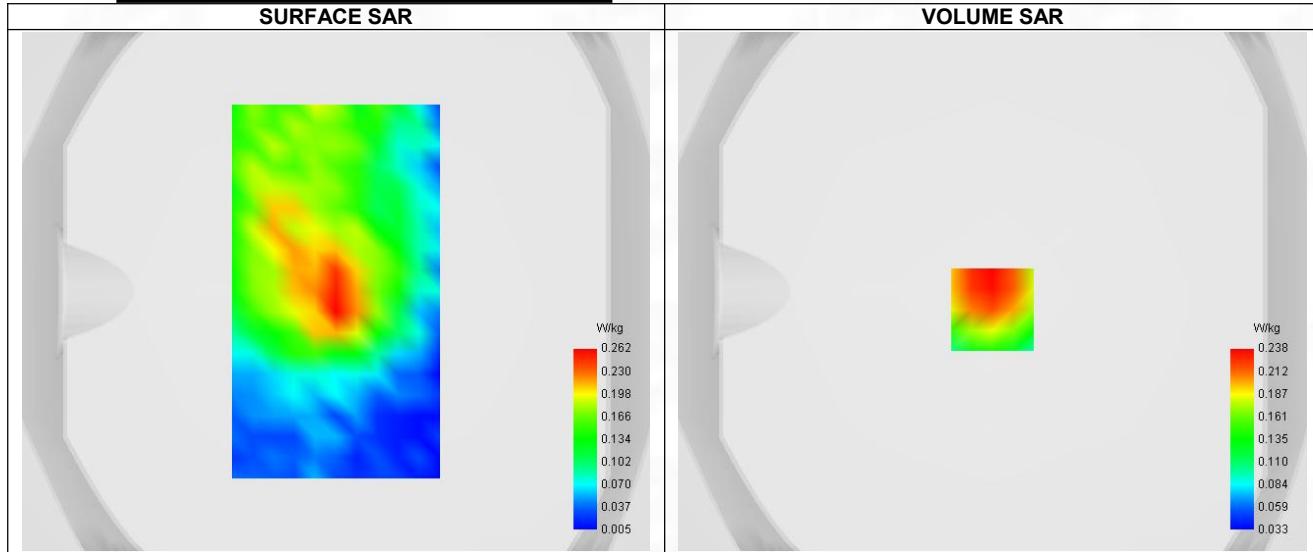
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.68
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 19
Channels	Middle (24075)
Signal	LTE FDD
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Frequency (MHz)	830.840
Relative permittivity (real part)	41.429
Relative permittivity (imaginary part)	19.586
Conductivity (S/m)	0.870

C. SAR Surface and Volume



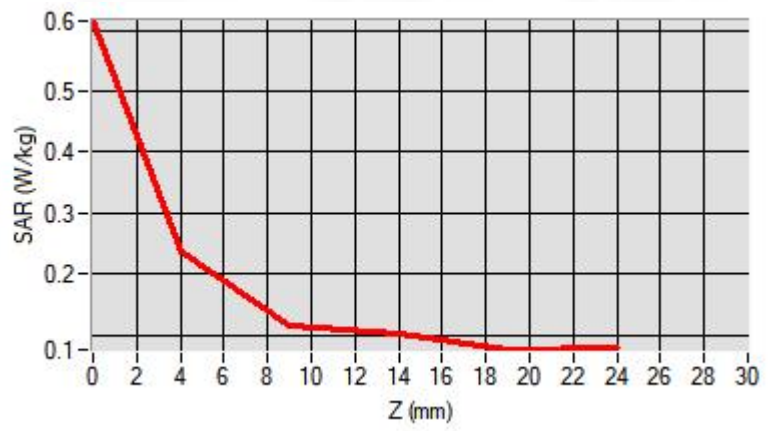
Maximum location: X=0.00, Y=-7.00 ; SAR Peak: 0.36 W/kg

D. SAR 1g & 10g

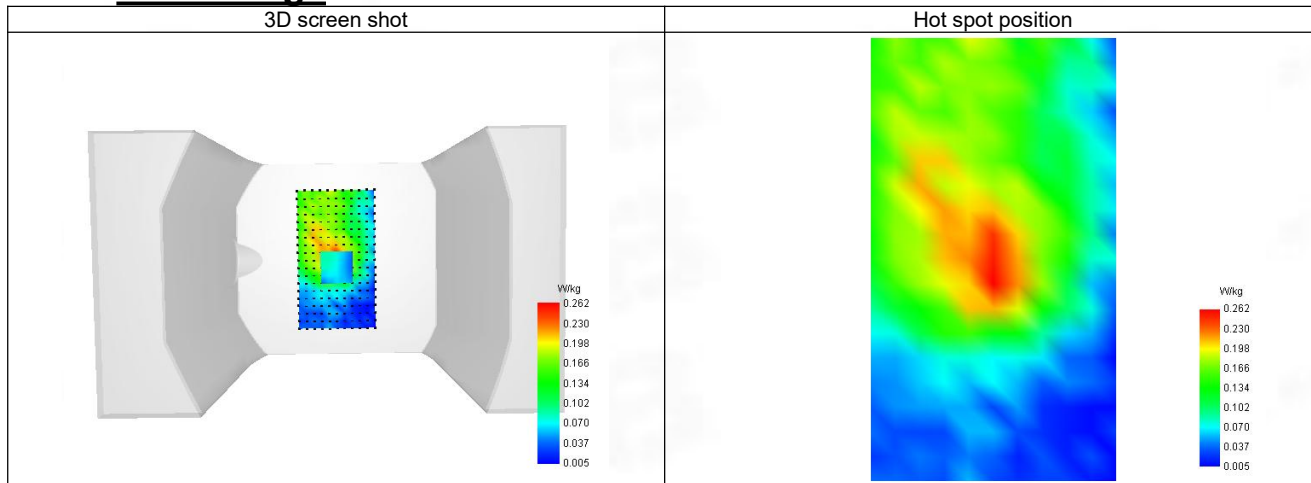
SAR 10g (W/Kg)	0.159
SAR 1g (W/Kg)	0.230
Variation (%)	-2.800
Horizontal validation criteria: minimum distance (mm)	9.174
Vertical validation criteria: SAR ratio M2/M1 (%)	47.48%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.615	0.238	0.113	0.102	0.075



F. 3D Image



21-Head with front position in dist. 0mm on Channel 26590 in LTE band 25

SAR Measurement at LTE band 25 (Cheek, Right)

Date of measurement: 21/6/2024

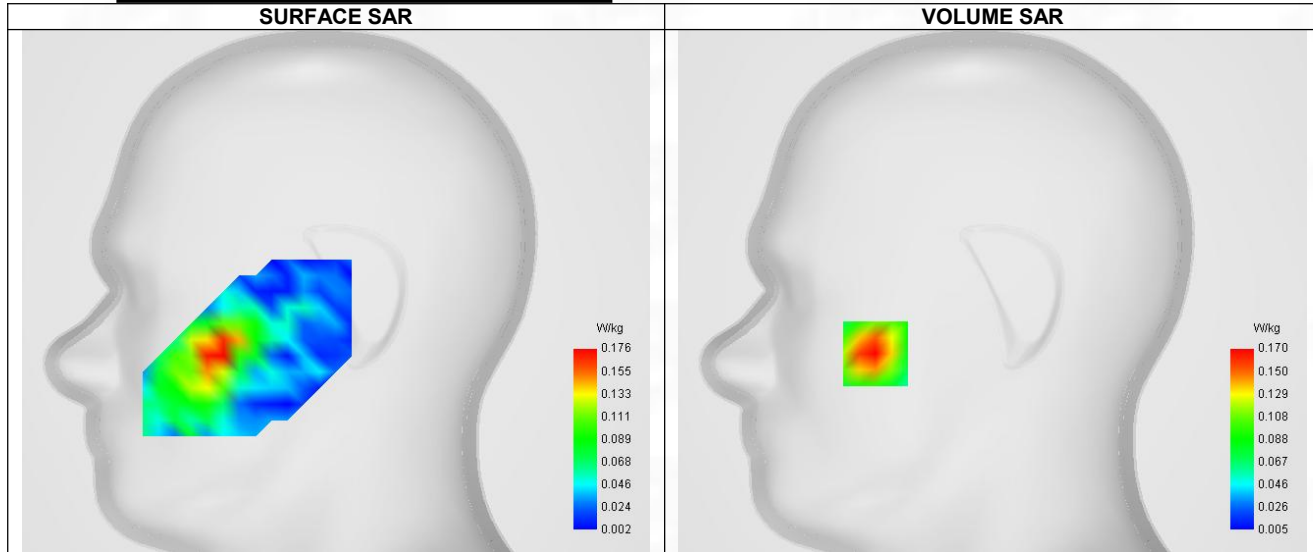
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.07
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 25
Channels	Higher (26590)
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1

B. Permittivity

Frequency (MHz)	1904.910
Relative permittivity (real part)	39.873
Relative permittivity (imaginary part)	13.380
Conductivity (S/m)	1.414

C. SAR Surface and Volume



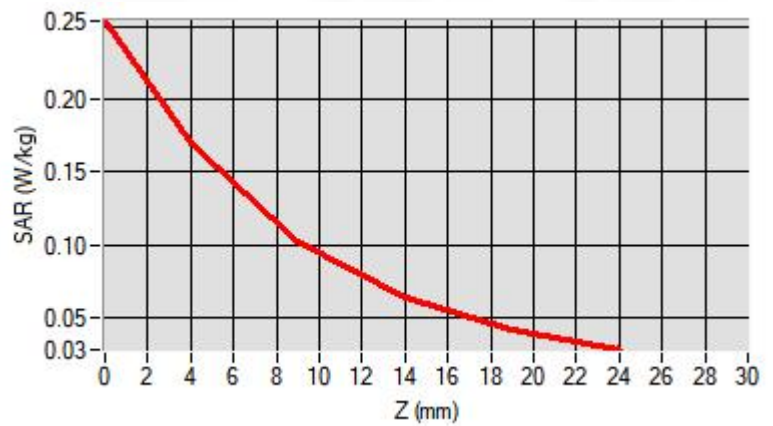
Maximum location: X=-58.00, Y=-31.00 ; SAR Peak: 0.26 W/kg

D. SAR 1g & 10g

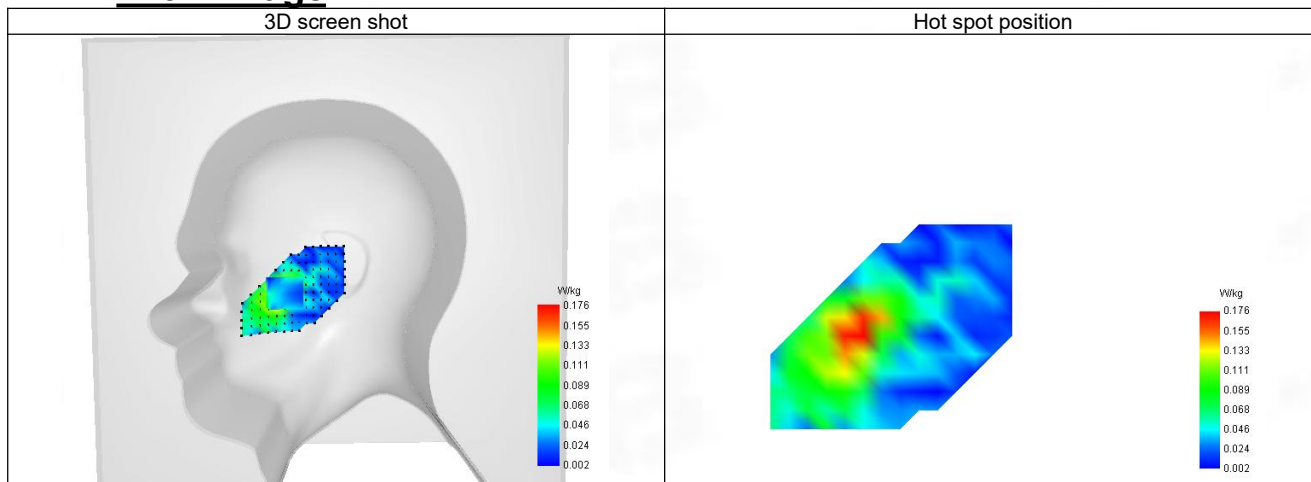
SAR 10g (W/Kg)	0.099
SAR 1g (W/Kg)	0.163
Variation (%)	-0.550
Horizontal validation criteria: minimum distance (mm)	9.084
Vertical validation criteria: SAR ratio M2/M1 (%)	60.00%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.254	0.170	0.102	0.063	0.042



F. 3D Image



22-Body with bottom position in dist. 10mm on Channel 26590 in LTE band 25

SAR Measurement at LTE band 25 (Body, Validation Plane)

Date of measurement: 21/6/2024

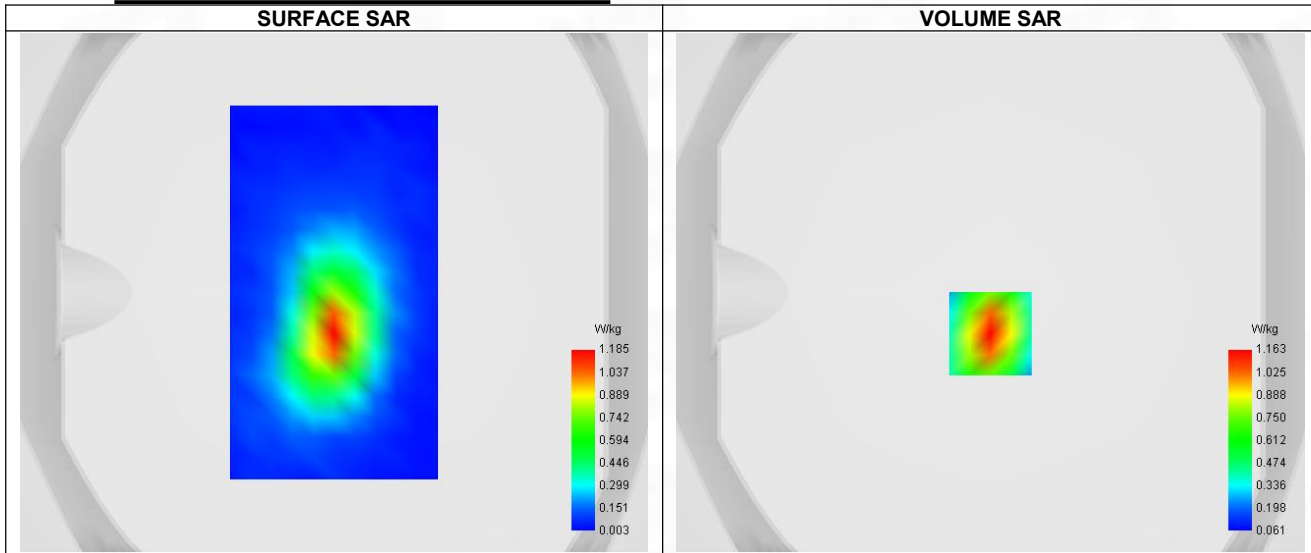
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.07
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 25
Channels	Higher (26590)
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1

B. Permittivity

Frequency (MHz)	1904.910
Relative permittivity (real part)	39.873
Relative permittivity (imaginary part)	13.380
Conductivity (S/m)	1.414

C. SAR Surface and Volume



Maximum location: X=0.00, Y=-16.00 ; SAR Peak: 1.70 W/kg

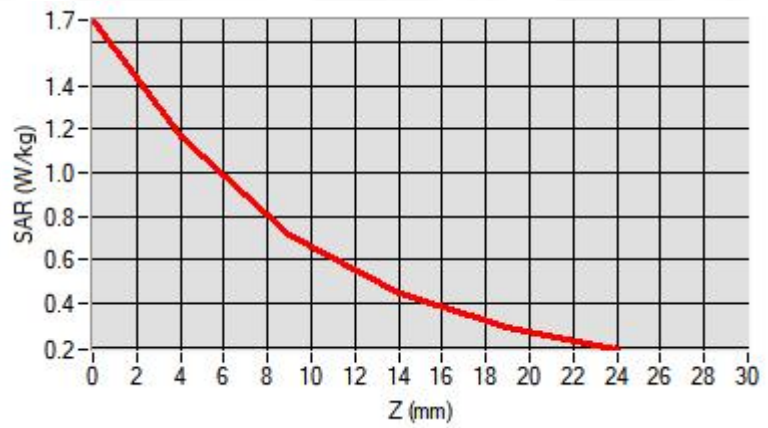
D. SAR 1g & 10g

SAR 10g (W/Kg)	0.599
SAR 1g (W/Kg)	0.984
Variation (%)	-2.760
Horizontal validation criteria: minimum distance (mm)	8.654
Vertical validation criteria: SAR ratio M2/M1 (%)	61.48%

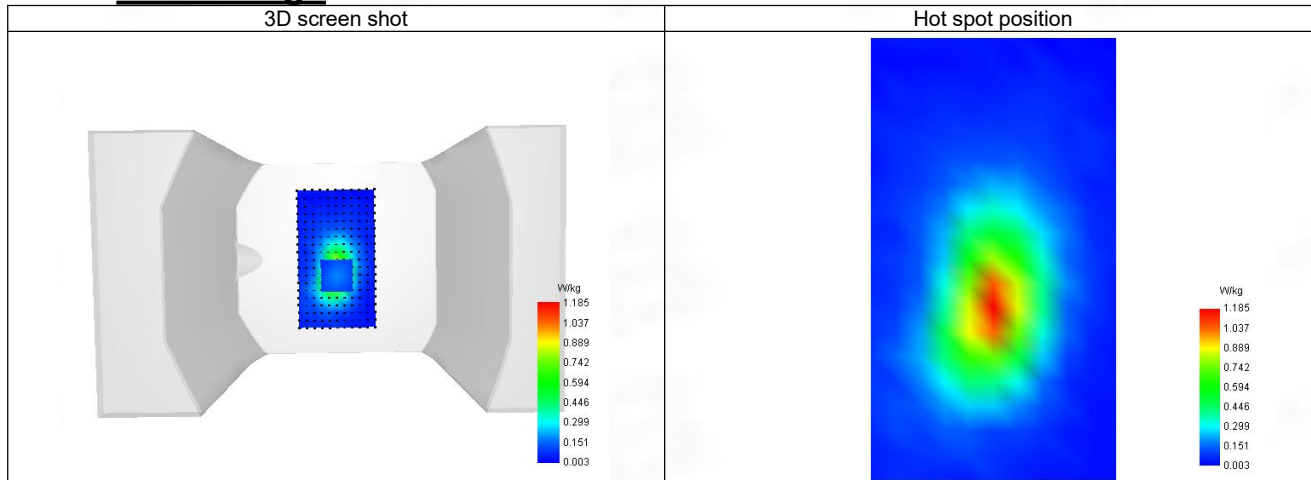
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
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SAR (W/Kg)	1.703	1.163	0.715	0.446	0.289
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F. 3D Image



23-Head with front position in dist. 0mm on Channel 26740 in LTE band 26 Part 90

SAR Measurement at LTE band 26 (Cheek, Right)

Date of measurement: 18/6/2024

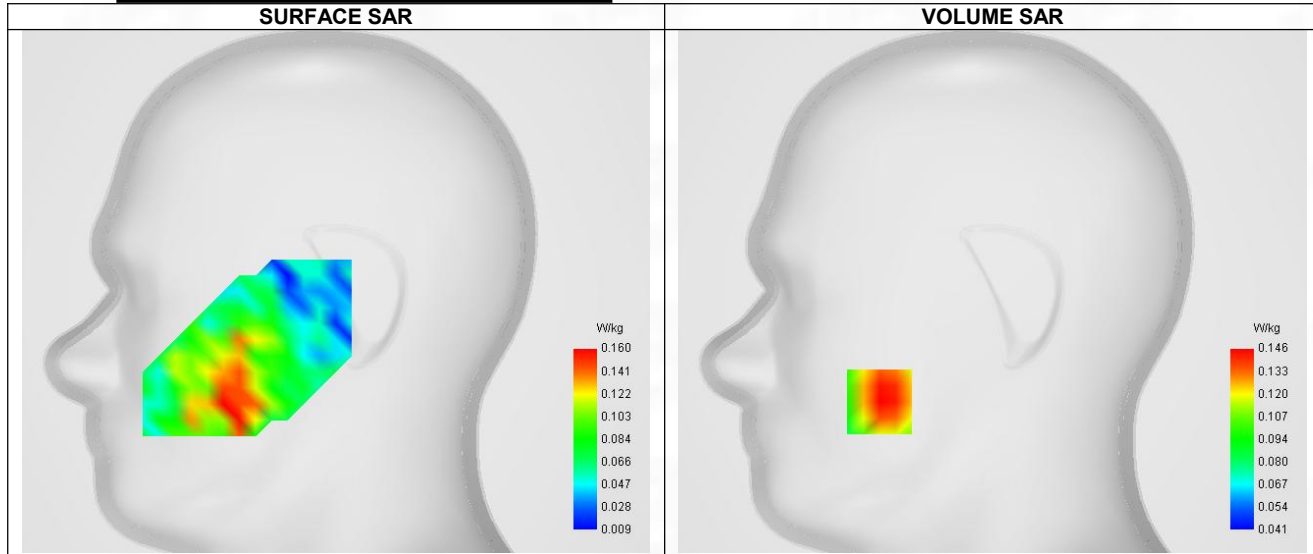
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.68
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 26
Channels	Lower (26740)
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1

B. Permittivity

Frequency (MHz)	823.410
Relative permittivity (real part)	41.463
Relative permittivity (imaginary part)	19.759
Conductivity (S/m)	0.869

C. SAR Surface and Volume



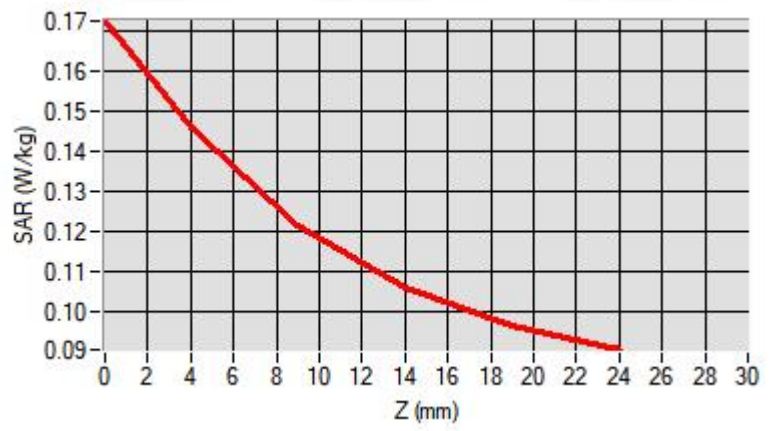
Maximum location: X=-56.00, Y=-55.00 ; SAR Peak: 0.18 W/kg

D. SAR 1g & 10g

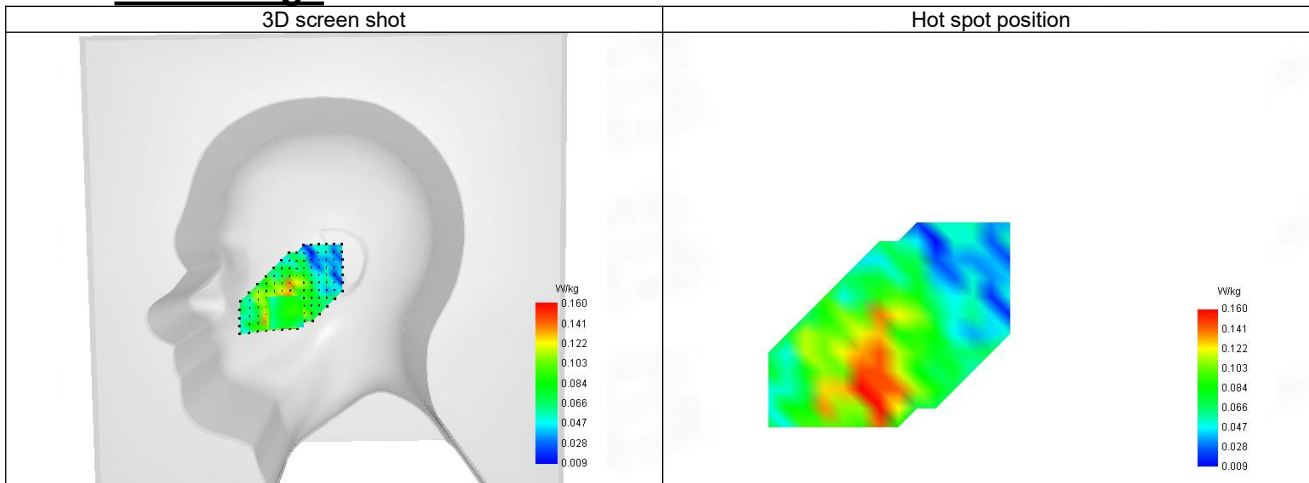
SAR 10g (W/Kg)	0.118
SAR 1g (W/Kg)	0.143
Variation (%)	-1.390
Horizontal validation criteria: minimum distance (mm)	8.264
Vertical validation criteria: SAR ratio M2/M1 (%)	76.71%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.172	0.146	0.112	0.096	0.087



F. 3D Image



24-Body with back position in dist. 10mm on Channel 26740 in LTE band 26 Part 90

SAR Measurement at LTE band 26 (Body, Validation Plane)

Date of measurement: 18/6/2024

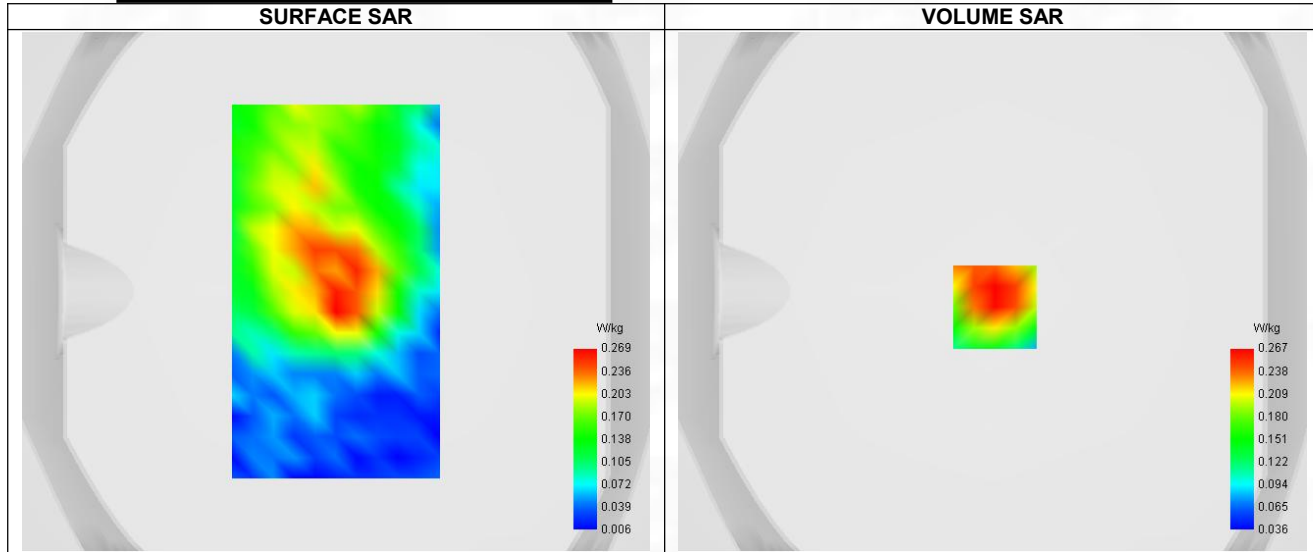
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.68
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 26
Channels	Lower (26740)
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1

B. Permittivity

Frequency (MHz)	823.410
Relative permittivity (real part)	41.463
Relative permittivity (imaginary part)	19.759
Conductivity (S/m)	0.869

C. SAR Surface and Volume



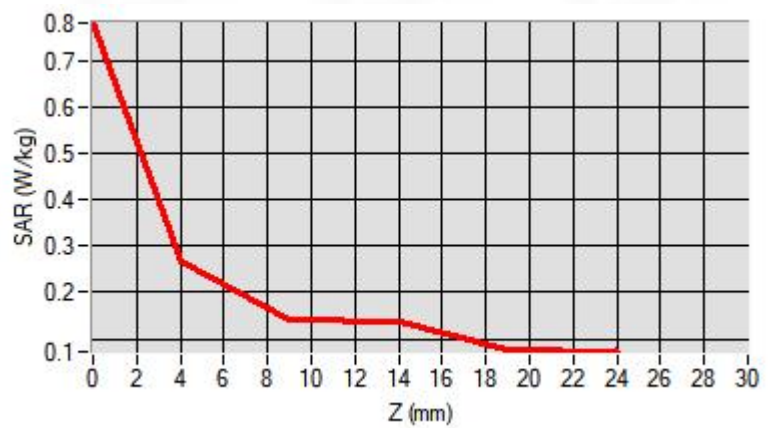
Maximum location: X=1.00, Y=-6.00 ; SAR Peak: 0.36 W/kg

D. SAR 1g & 10g

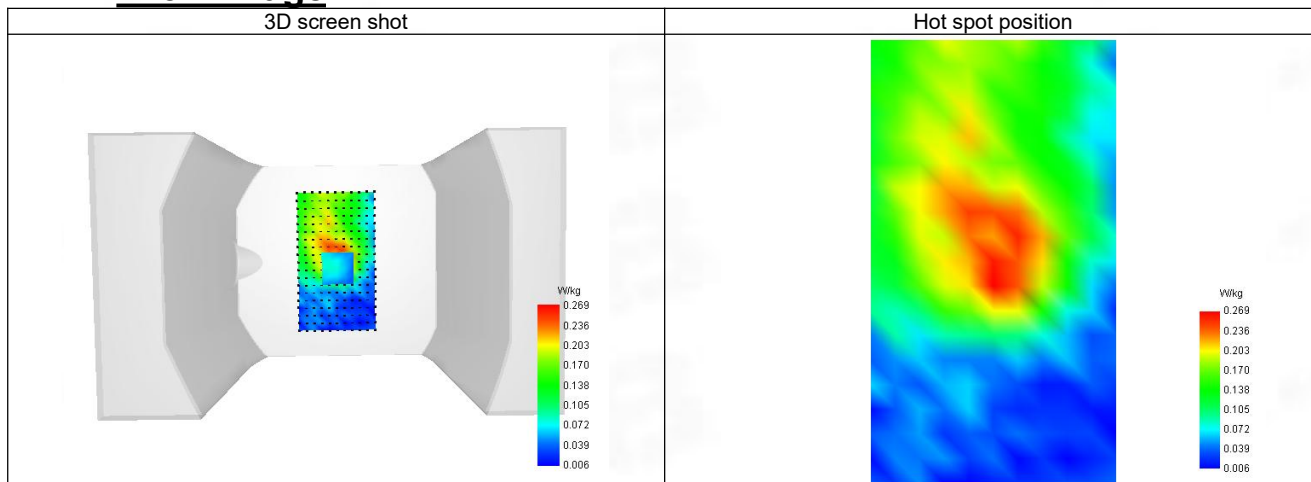
SAR 10g (W/Kg)	0.175
SAR 1g (W/Kg)	0.258
Variation (%)	3.670
Horizontal validation criteria: minimum distance (mm)	11.206
Vertical validation criteria: SAR ratio M2/M1 (%)	52.43%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.782	0.267	0.140	0.139	0.078



F. 3D Image



25-Head with front position in dist. 0mm on Channel 26915 in LTE band 26 Part 22

SAR Measurement at LTE band 26 (Cheek, Right)

Date of measurement: 19/6/2024

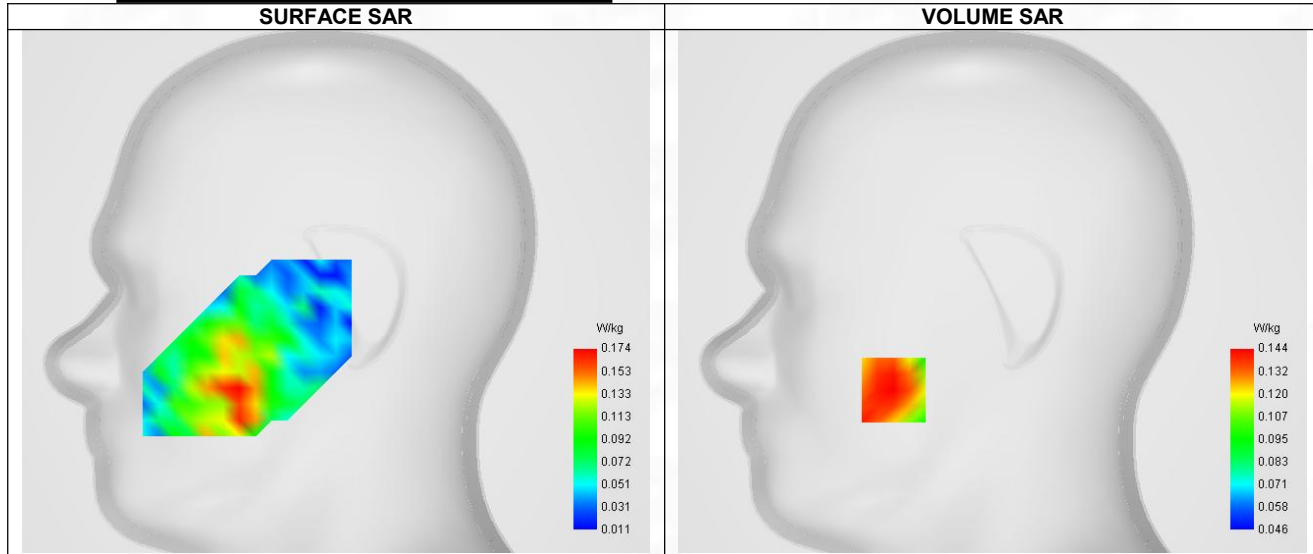
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.68
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 26
Channels	Middle (26915)
Signal	LTE FDD
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Frequency (MHz)	829.840
Relative permittivity (real part)	41.434
Relative permittivity (imaginary part)	19.610
Conductivity (S/m)	0.869

C. SAR Surface and Volume



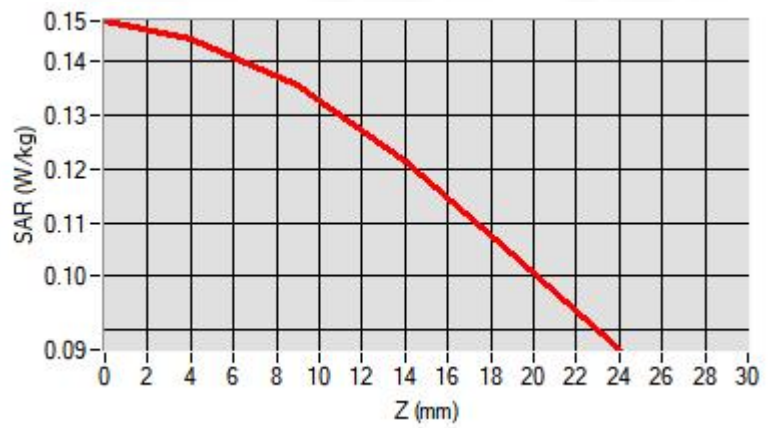
Maximum location: X=-49.00, Y=-49.00 ; SAR Peak: 0.25 W/kg

D. SAR 1g & 10g

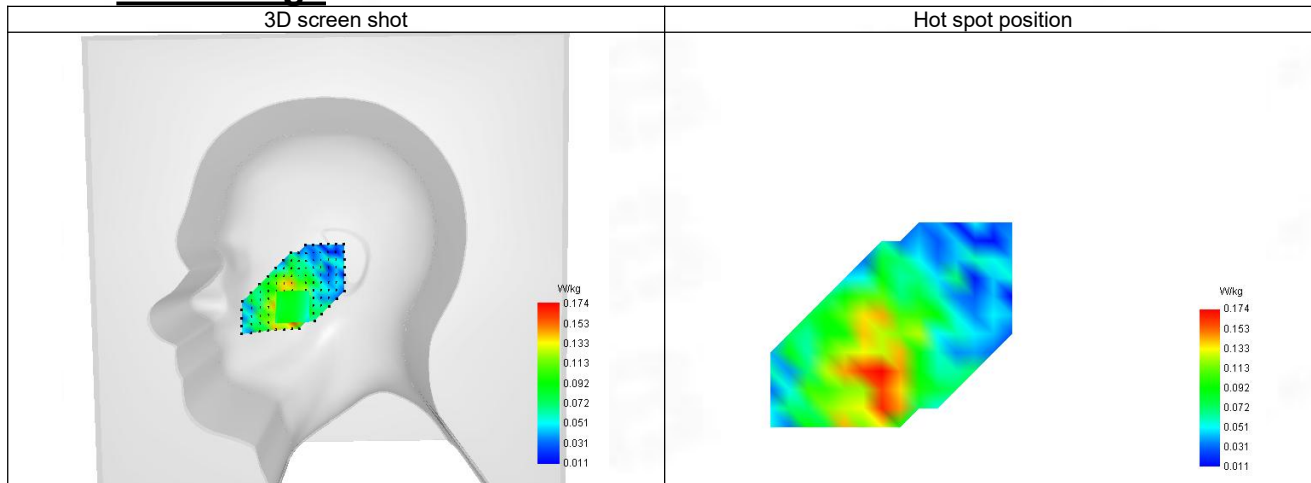
SAR 10g (W/Kg)	0.125
SAR 1g (W/Kg)	0.150
Variation (%)	2.650
Horizontal validation criteria: minimum distance (mm)	9.264
Vertical validation criteria: SAR ratio M2/M1 (%)	72.92%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.148	0.144	0.105	0.082	0.074



F. 3D Image



26-Body with back position in dist. 10mm on Channel 26915 in LTE band 26 Part 22

SAR Measurement at LTE band 26 (Body, Validation Plane)

Date of measurement: 19/6/2024

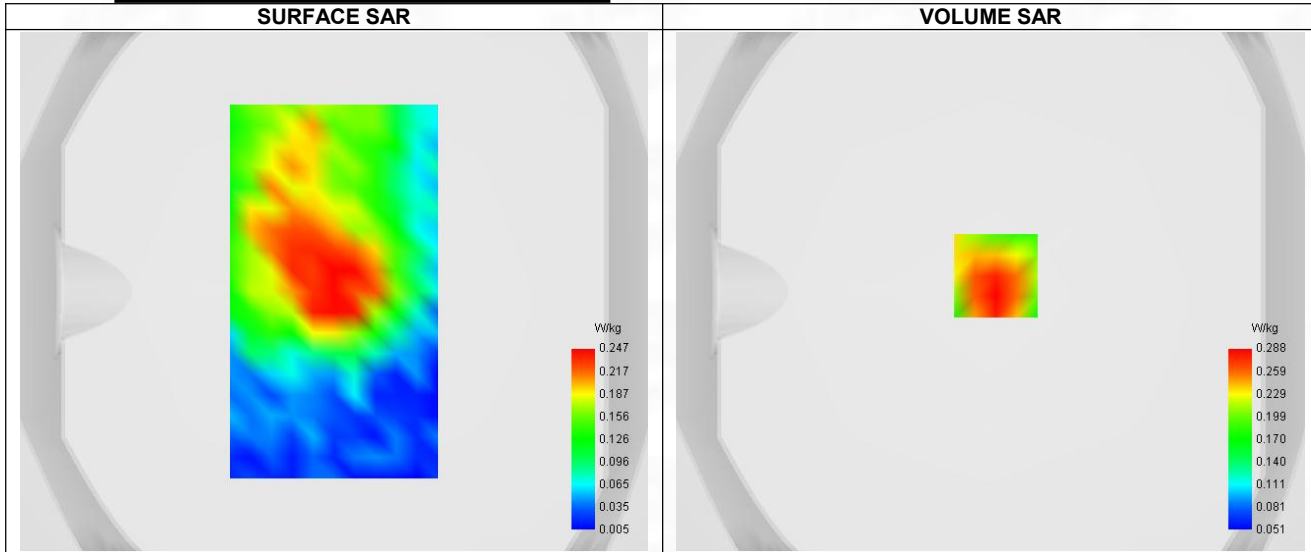
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.68
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 26
Channels	Middle (26915)
Signal	LTE FDD
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Frequency (MHz)	829.840
Relative permittivity (real part)	41.434
Relative permittivity (imaginary part)	19.610
Conductivity (S/m)	0.869

C. SAR Surface and Volume

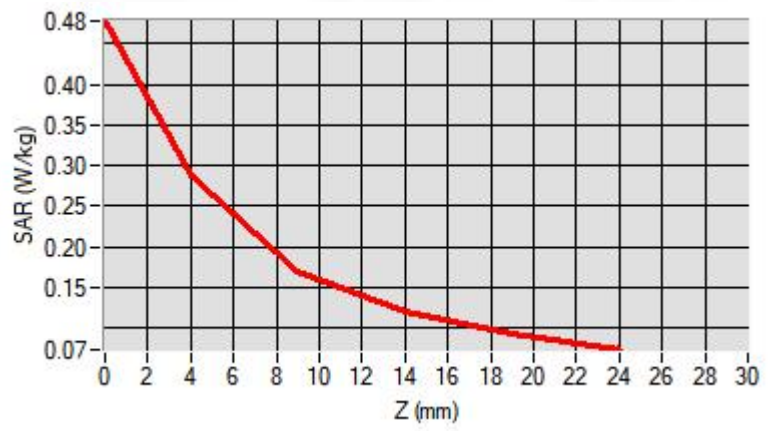


D. SAR 1g & 10g

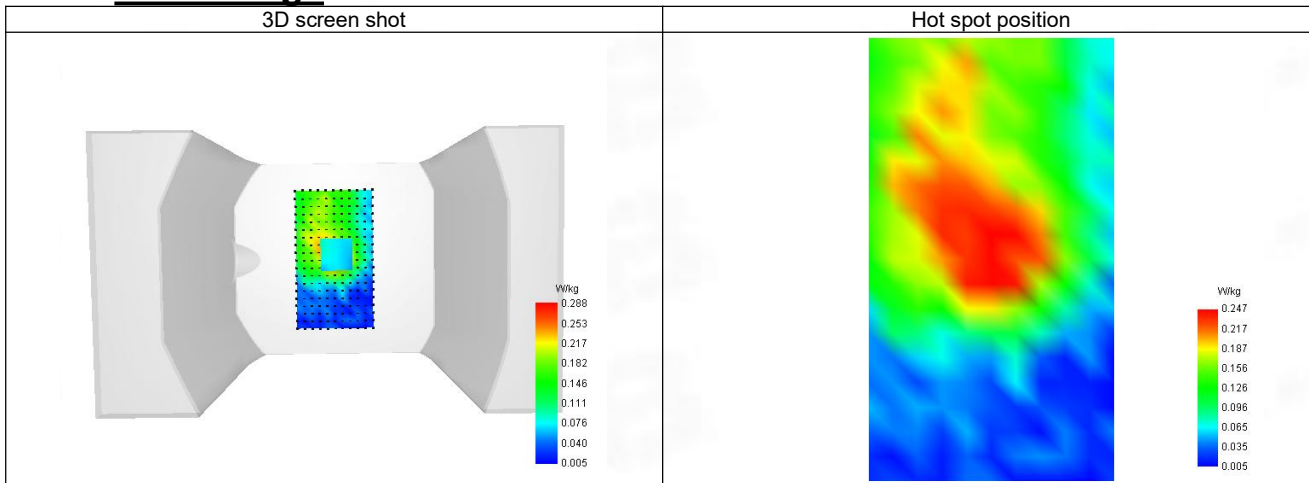
SAR 10g (W/Kg)	0.184
SAR 1g (W/Kg)	0.276
Variation (%)	-3.490
Horizontal validation criteria: minimum distance (mm)	10.282
Vertical validation criteria: SAR ratio M2/M1 (%)	58.63%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.478	0.288	0.169	0.119	0.094



F. 3D Image



27-Head with front position in dist. 0mm on Channel 37850 in LTE band 38

SAR Measurement at LTE band 38 (Cheek, Right)

Date of measurement: 25/6/2024

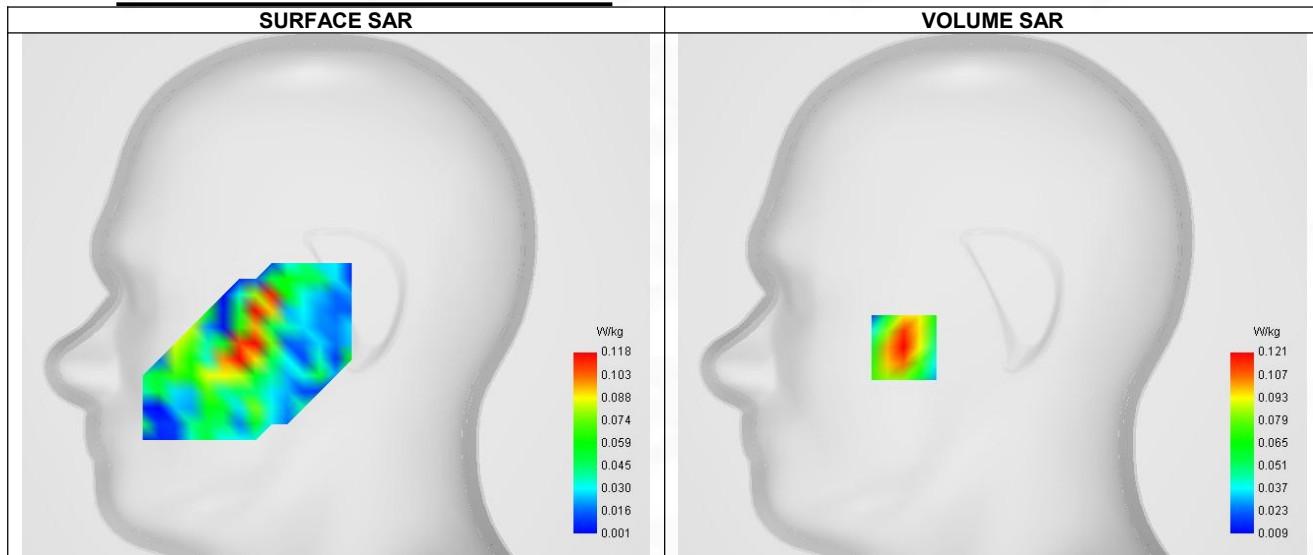
A. Experimental conditions.

Probe	SN 04/22 EPGO365
ConvF	2.08
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 38
Channels	Lower (37850)
Signal	LTE TDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1
Subframe configuration	0
Special subframe configuration	0
Cyclic prefix	Normal
Duty Cycle (%)	0.61

B. Permittivity

Frequency (MHz)	2579.910
Relative permittivity (real part)	38.907
Relative permittivity (imaginary part)	12.777
Conductivity (S/m)	1.949

C. SAR Surface and Volume



Maximum location: X=-44.00, Y=-26.00 ; SAR Peak: 0.17 W/kg

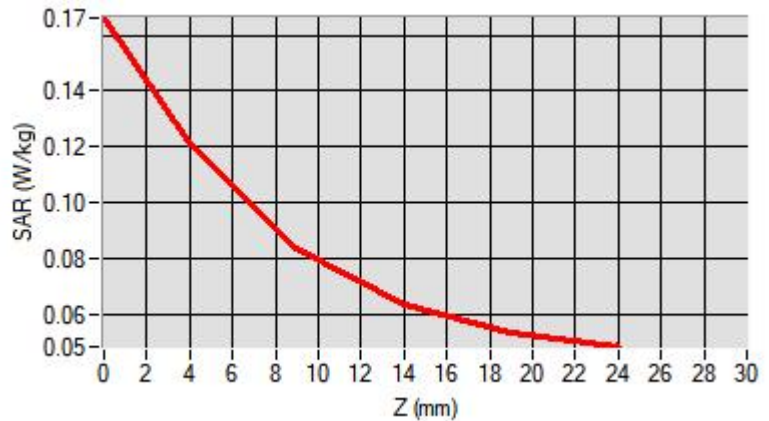
D. SAR 1g & 10g

SAR 10g (W/Kg)	0.071
SAR 1g (W/Kg)	0.114
Variation (%)	-3.880
Horizontal validation criteria: minimum distance (mm)	9.105

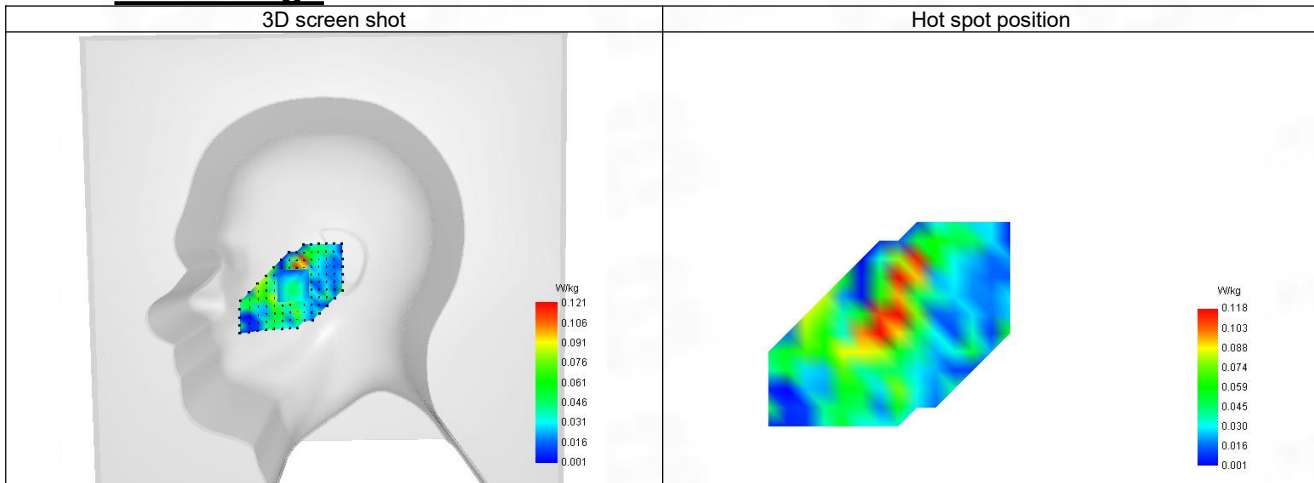
Vertical validation criteria: SAR ratio M2/M1 (%)	68.60%
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E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.166	0.121	0.083	0.063	0.053



F. 3D Image



28-Body with bottom position in dist. 10mm on Channel 37850 in LTE band 38

SAR Measurement at LTE band 38 (Body, Validation Plane)

Date of measurement: 25/6/2024

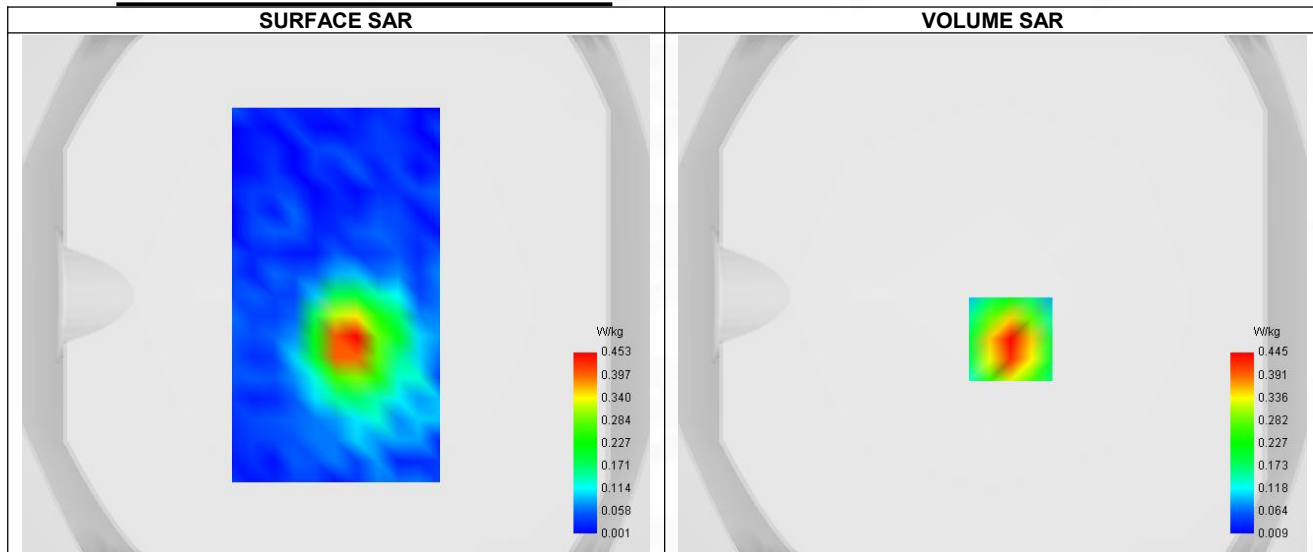
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.08
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 38
Channels	Lower (37850)
Signal	LTE TDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1
Subframe configuration	0
Special subframe configuration	0
Cyclic prefix	Normal
Duty Cycle (%)	0.61

B. Permittivity

Frequency (MHz)	2579.910
Relative permittivity (real part)	38.907
Relative permittivity (imaginary part)	12.777
Conductivity (S/m)	1.949

C. SAR Surface and Volume



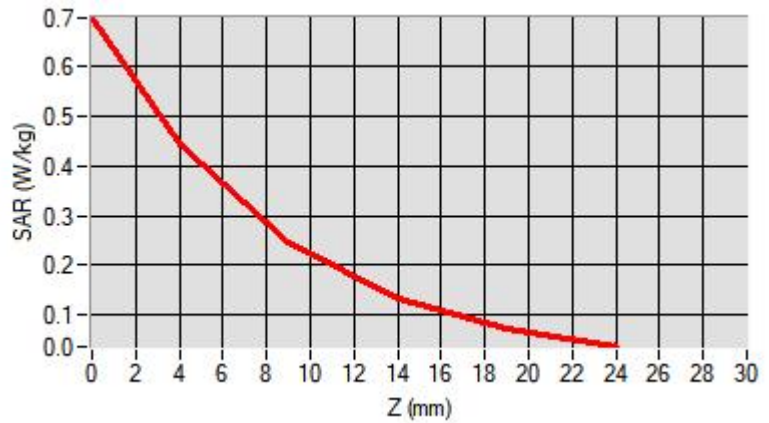
D. SAR 1g & 10g

SAR 10g (W/Kg)	0.220
SAR 1g (W/Kg)	0.416
Variation (%)	-2.900
Horizontal validation criteria: minimum distance (mm)	9.562

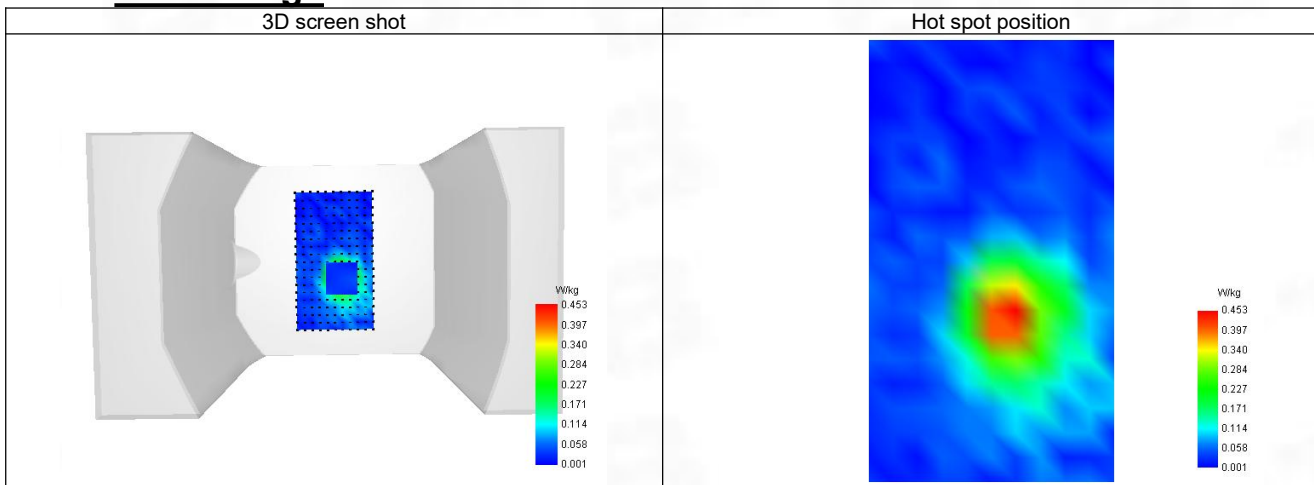
Vertical validation criteria: SAR ratio M2/M1 (%)	55.28%
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E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.696	0.445	0.246	0.133	0.073



F. 3D Image



29-Head with front position in dist. 0mm on Channel 40140 in LTE band 41

SAR Measurement at LTE band 41 (Cheek, Right)

Date of measurement: 25/6/2024

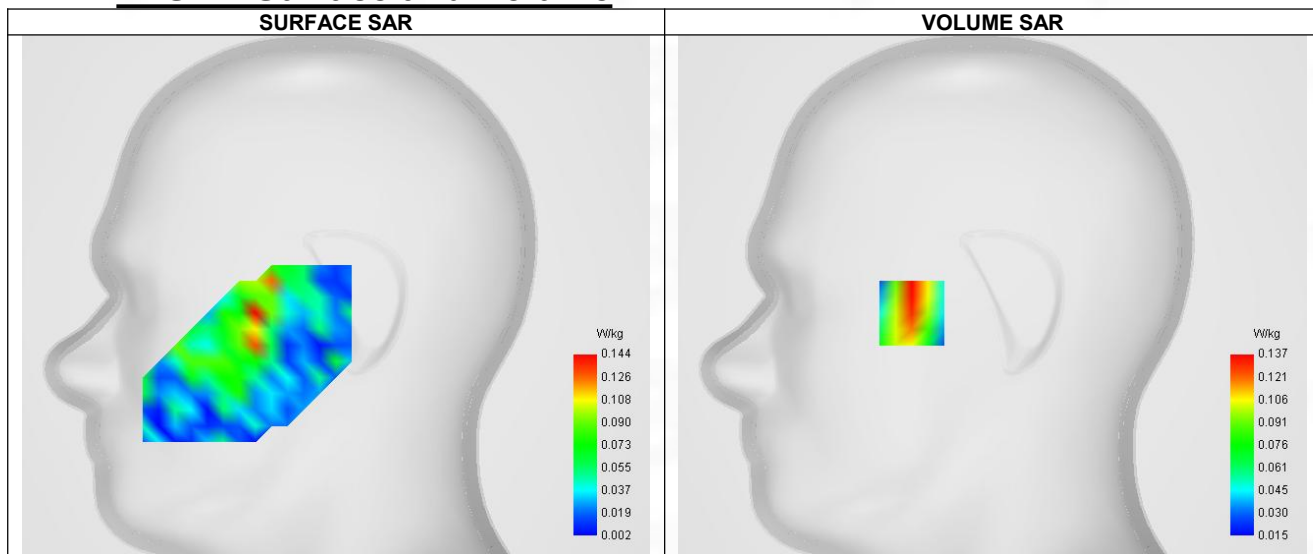
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.08
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 41
Channels	Lower (40140)
Signal	LTE TDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1
Subframe configuration	0
Special subframe configuration	0
Cyclic prefix	Normal
Duty Cycle (%)	0.61

B. Permittivity

Frequency (MHz)	2536.090
Relative permittivity (real part)	38.965
Relative permittivity (imaginary part)	12.967
Conductivity (S/m)	1.902

C. SAR Surface and Volume



Maximum location: X=-40.00, Y=-8.00 ; SAR Peak: 0.22 W/kg

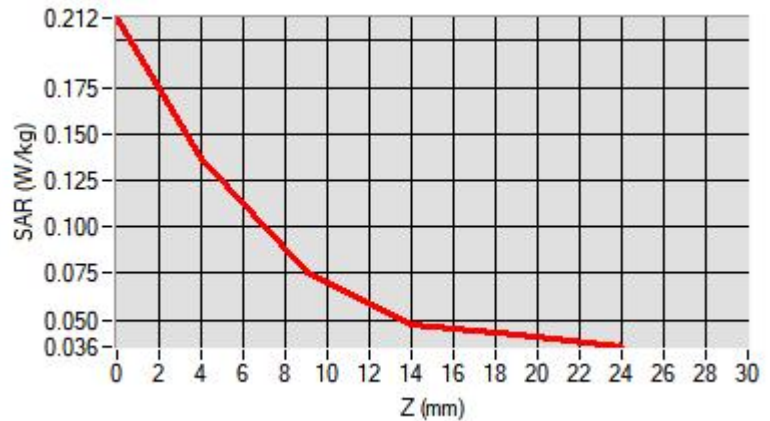
D. SAR 1g & 10g

SAR 10g (W/Kg)	0.077
SAR 1g (W/Kg)	0.130
Variation (%)	-1.150
Horizontal validation criteria: minimum distance (mm)	9.087

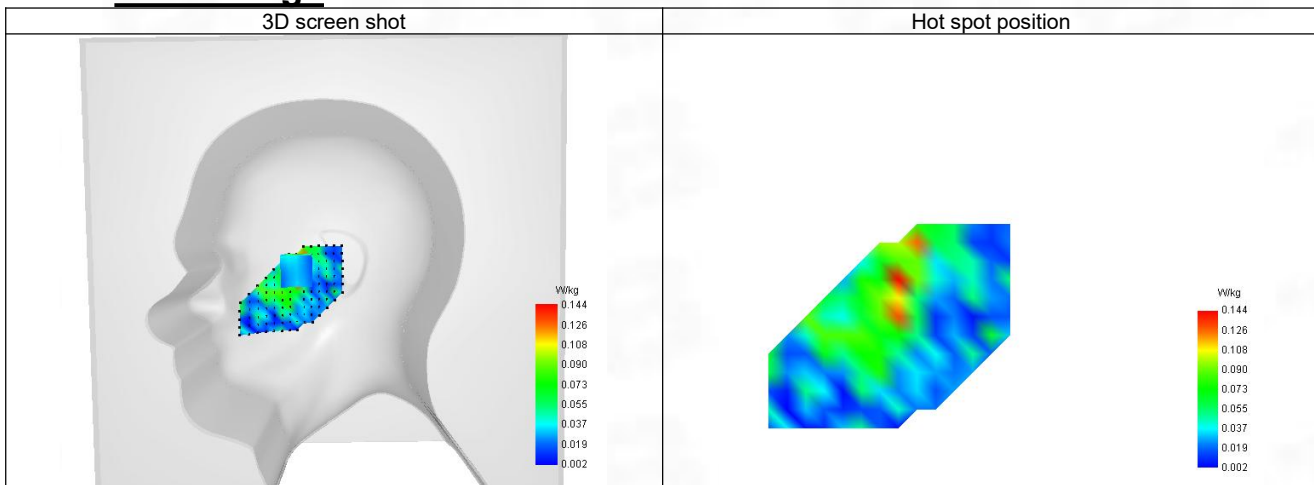
Vertical validation criteria: SAR ratio M2/M1 (%)	54.74%
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E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.212	0.137	0.075	0.048	0.042



F. 3D Image



30-Body with bottom position in dist. 10mm on Channel 40140 in LTE band 41

SAR Measurement at LTE band 41 (Body, Validation Plane)

Date of measurement: 25/6/2024

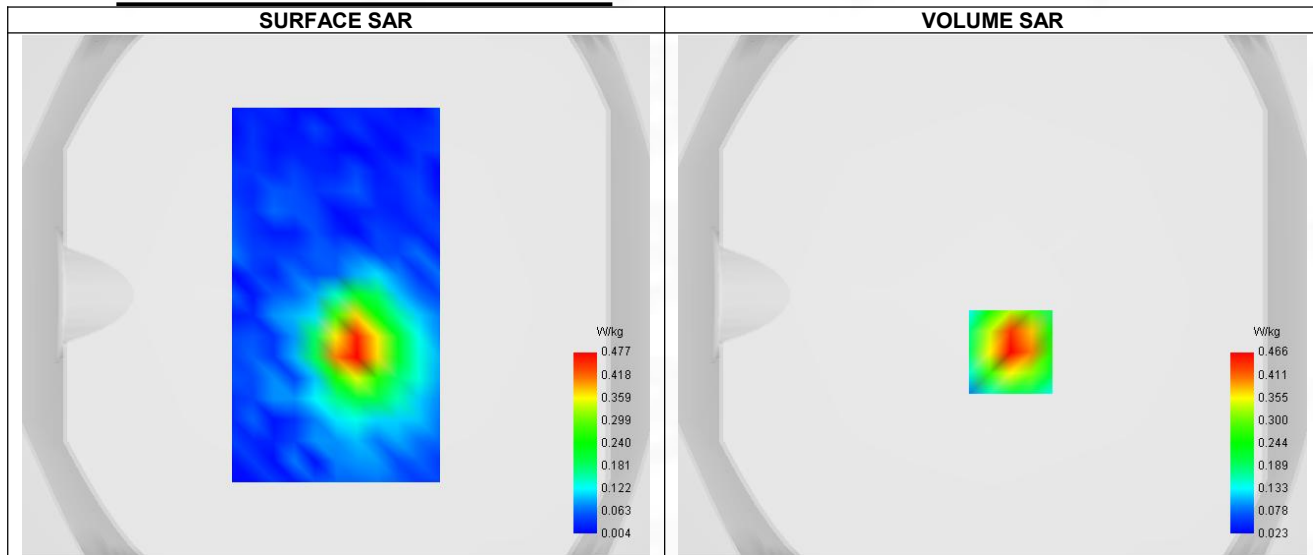
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.08
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 41
Channels	Lower (40140)
Signal	LTE TDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1
Subframe configuration	0
Special subframe configuration	0
Cyclic prefix	Normal
Duty Cycle (%)	0.61

B. Permittivity

Frequency (MHz)	2536.090
Relative permittivity (real part)	38.965
Relative permittivity (imaginary part)	12.967
Conductivity (S/m)	1.902

C. SAR Surface and Volume



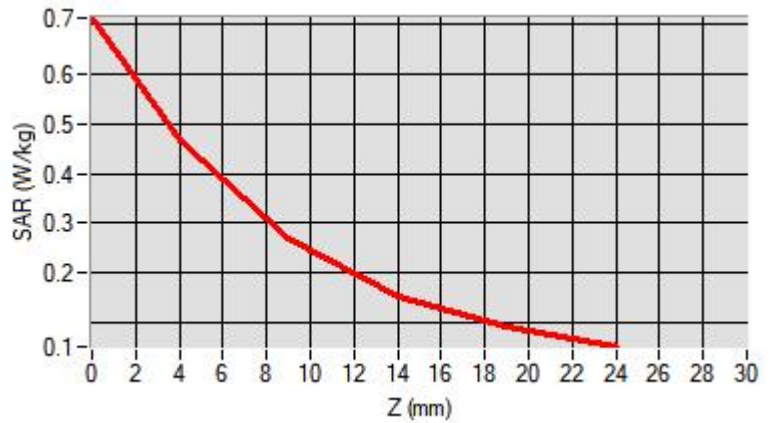
D. SAR 1g & 10g

SAR 10g (W/Kg)	0.234
SAR 1g (W/Kg)	0.438
Variation (%)	-2.670
Horizontal validation criteria: minimum distance (mm)	8.604

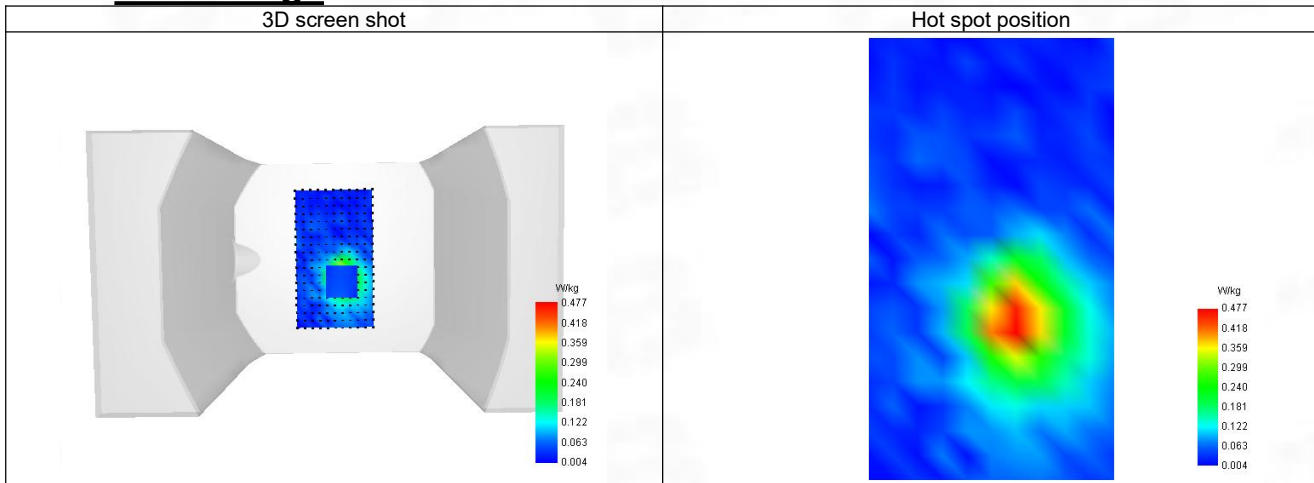
Vertical validation criteria: SAR ratio M2/M1 (%)	57.30%
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E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.713	0.466	0.267	0.153	0.089



F. 3D Image



31-Head with front position in dist. 0mm on Channel 132322 in LTE band 66

SAR Measurement at LTE band 66 (Cheek, Right)

Date of measurement: 20/6/2024

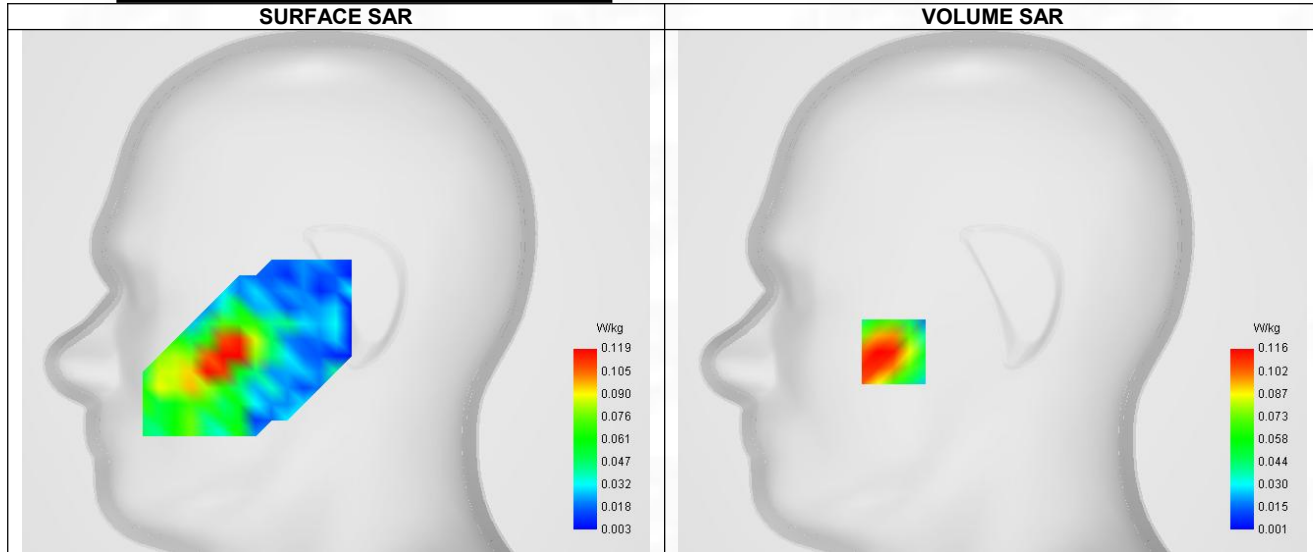
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 66
Channels	Middle (132322)
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Frequency (MHz)	1736.090
Relative permittivity (real part)	40.009
Relative permittivity (imaginary part)	14.448
Conductivity (S/m)	1.337

C. SAR Surface and Volume



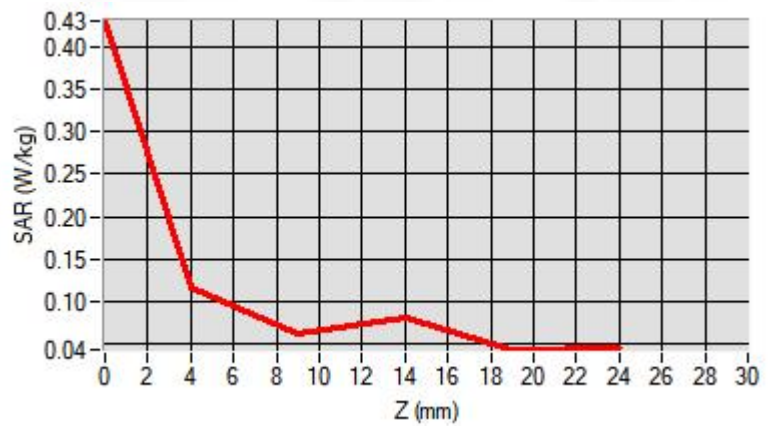
Maximum location: X=-49.00, Y=-30.00 ; SAR Peak: 0.15 W/kg

D. SAR 1g & 10g

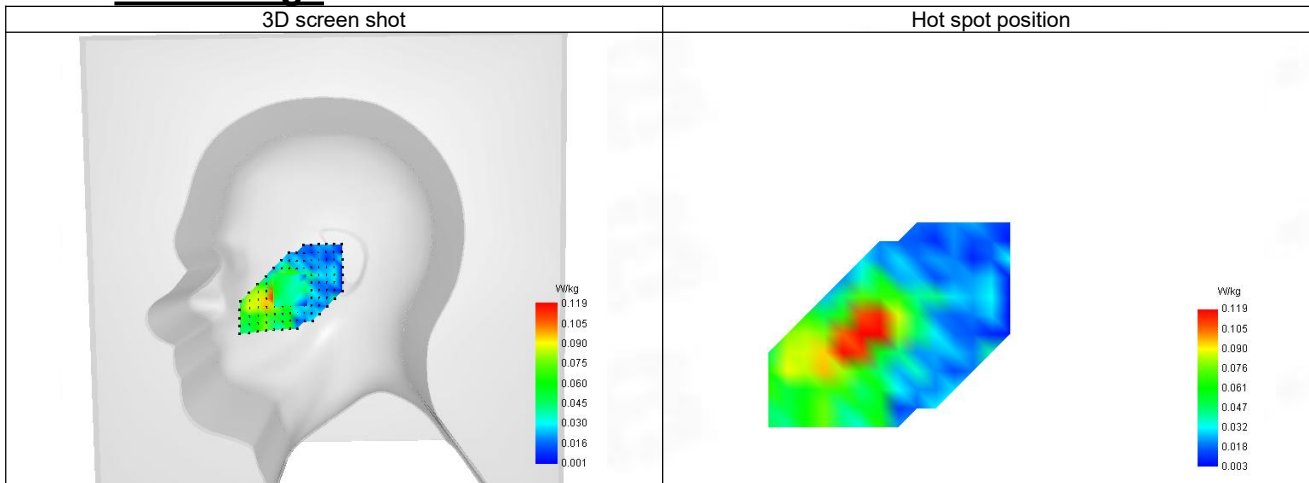
SAR 10g (W/Kg)	0.083
SAR 1g (W/Kg)	0.116
Variation (%)	-3.540
Horizontal validation criteria: minimum distance (mm)	8.161
Vertical validation criteria: SAR ratio M2/M1 (%)	54.31%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.430	0.116	0.063	0.080	0.043



F. 3D Image



32-Body with bottom position in dist. 10mm on Channel 132322 in LTE band 66

SAR Measurement at LTE band 66 (Body, Validation Plane)

Date of measurement: 20/6/2024

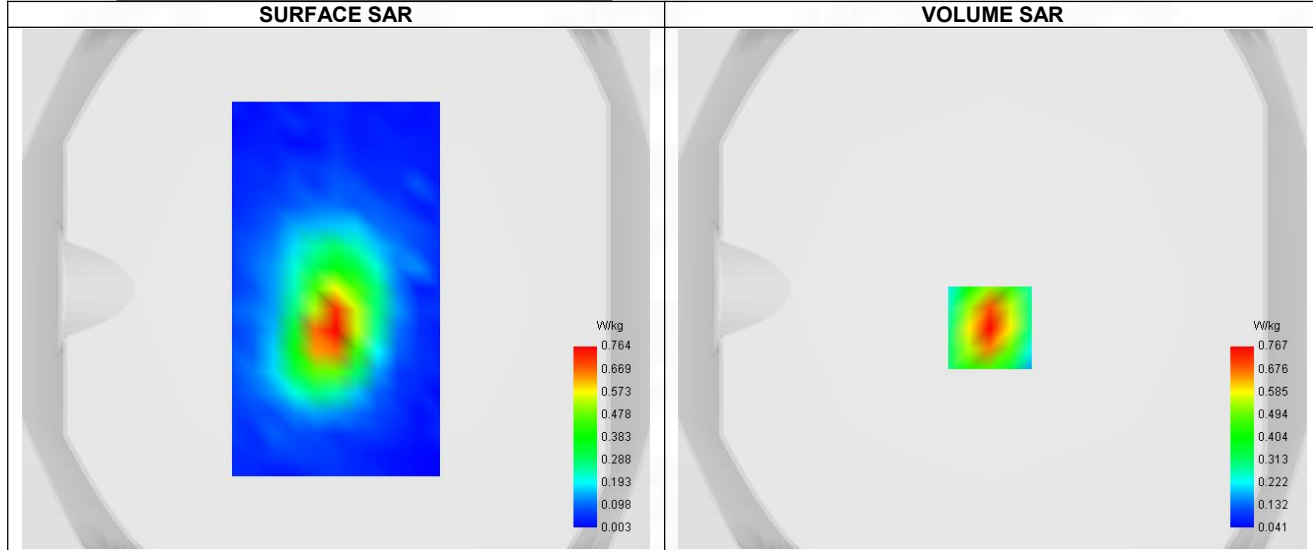
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 66
Channels	Middle (132322)
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Frequency (MHz)	1736.090
Relative permittivity (real part)	40.009
Relative permittivity (imaginary part)	14.448
Conductivity (S/m)	1.337

C. SAR Surface and Volume



Maximum location: X=-1.00, Y=-15.00 ; SAR Peak: 1.10 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.407
SAR 1g (W/Kg)	0.709
Variation (%)	-3.730
Horizontal validation criteria: minimum distance (mm)	8.456
Vertical validation criteria: SAR ratio M2/M1 (%)	63.62%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
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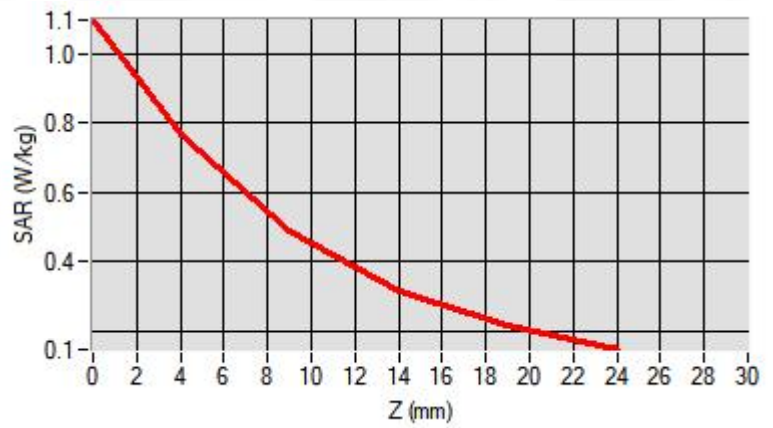
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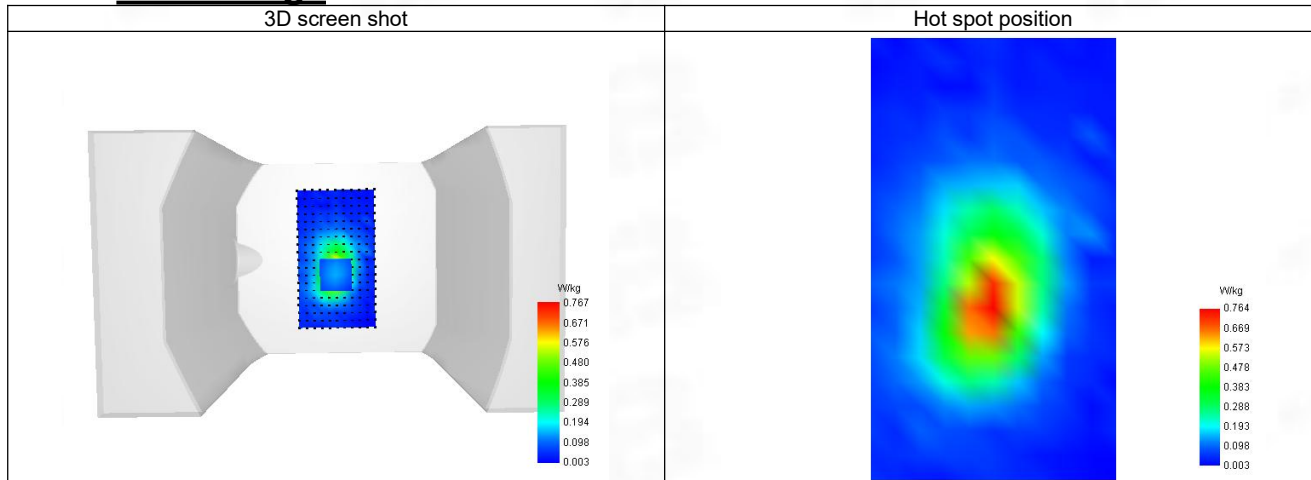
BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China

SAR (W/Kg)	1.097	0.767	0.488	0.317	0.215
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F. 3D Image



33-Head with front position in dist. 0mm on Channel 6 in IEEE 802.11b ISM

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

Date of measurement: 24/6/2024

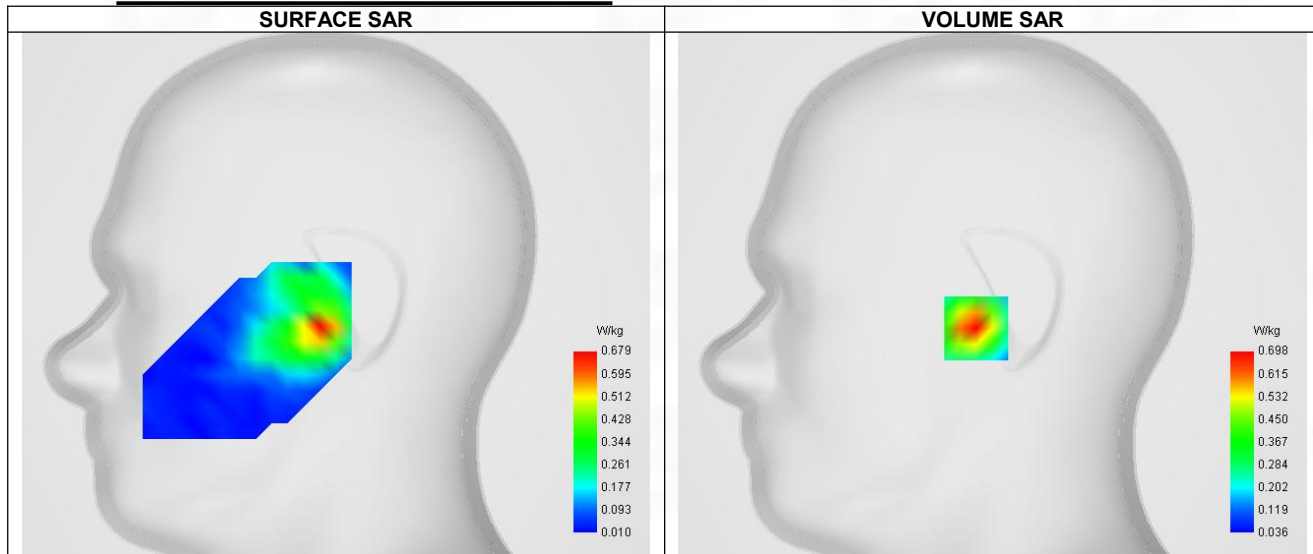
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.12
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	IEEE 802.11b ISM
Channels	Middle (6)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	2437.000
Relative permittivity (real part)	39.099
Relative permittivity (imaginary part)	13.341
Conductivity (S/m)	1.801

C. SAR Surface and Volume



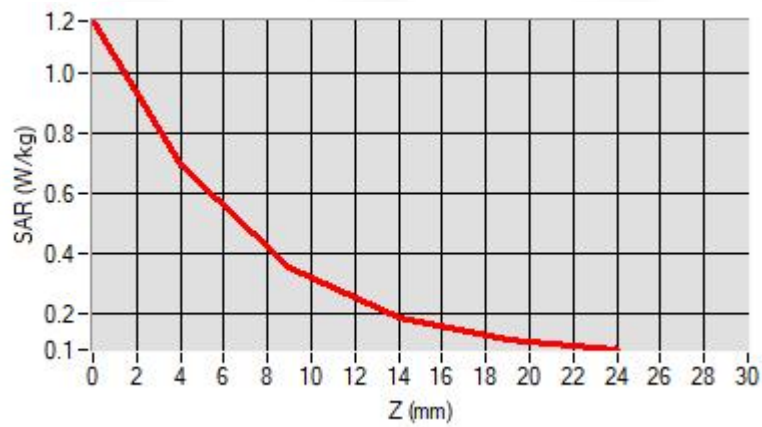
Maximum location: X=-8.00, Y=-17.00 ; SAR Peak: 1.18 W/kg

D. SAR 1g & 10g

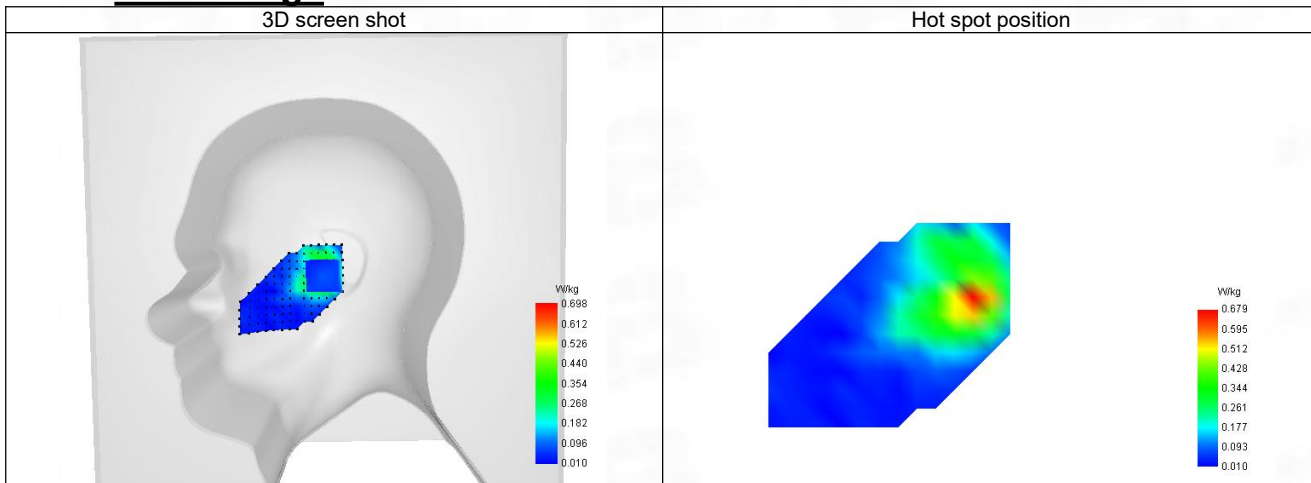
SAR 10g (W/Kg)	0.331
SAR 1g (W/Kg)	0.574
Variation (%)	3.020
Horizontal validation criteria: minimum distance (mm)	9.074
Vertical validation criteria: SAR ratio M2/M1 (%)	50.72%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.174	0.698	0.354	0.189	0.118



F. 3D Image



34-Body with back position in dist. 10mm on Channel 6 in IEEE 802.11b ISM

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

Date of measurement: 24/6/2024

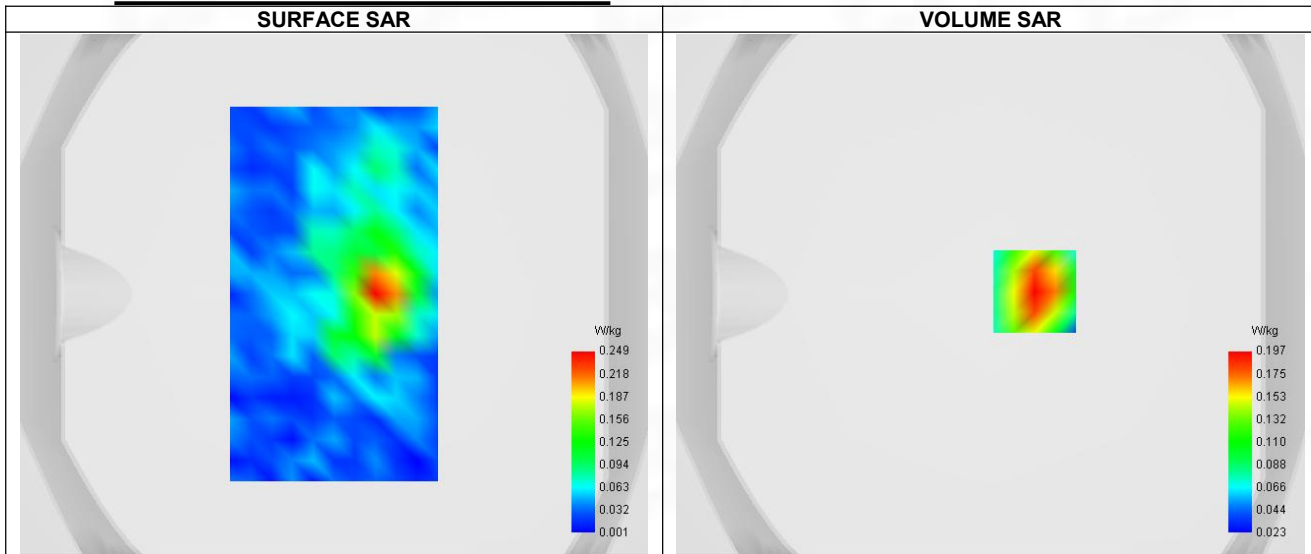
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	2.12
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11b ISM
Channels	Middle (6)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	2437.000
Relative permittivity (real part)	39.099
Relative permittivity (imaginary part)	13.341
Conductivity (S/m)	1.801

C. SAR Surface and Volume



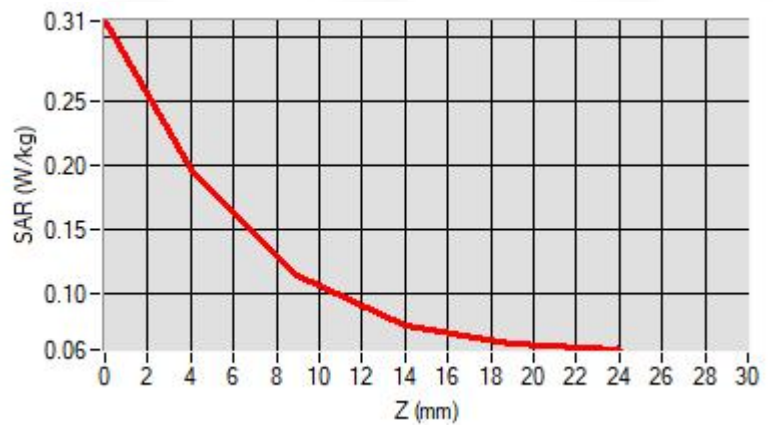
Maximum location: X=17.00, Y=1.00 ; SAR Peak: 0.31 W/kg

D. SAR 1g & 10g

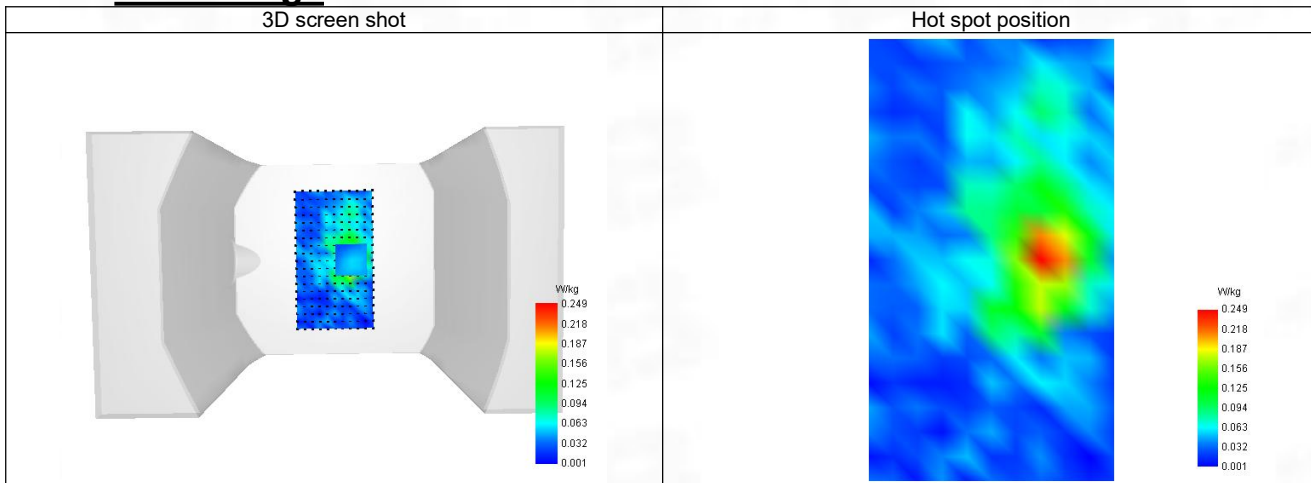
SAR 10g (W/Kg)	0.110
SAR 1g (W/Kg)	0.188
Variation (%)	3.010
Horizontal validation criteria: minimum distance (mm)	9.581
Vertical validation criteria: SAR ratio M2/M1 (%)	57.87%

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.312	0.197	0.114	0.074	0.060



F. 3D Image



35-Head with front position in dist. 0mm on Channel 42 in IEEE 802.11ac U-NII

SAR Measurement at IEEE 802.11ac U-NII (Cheek, Right)

Date of measurement: 26/6/2024

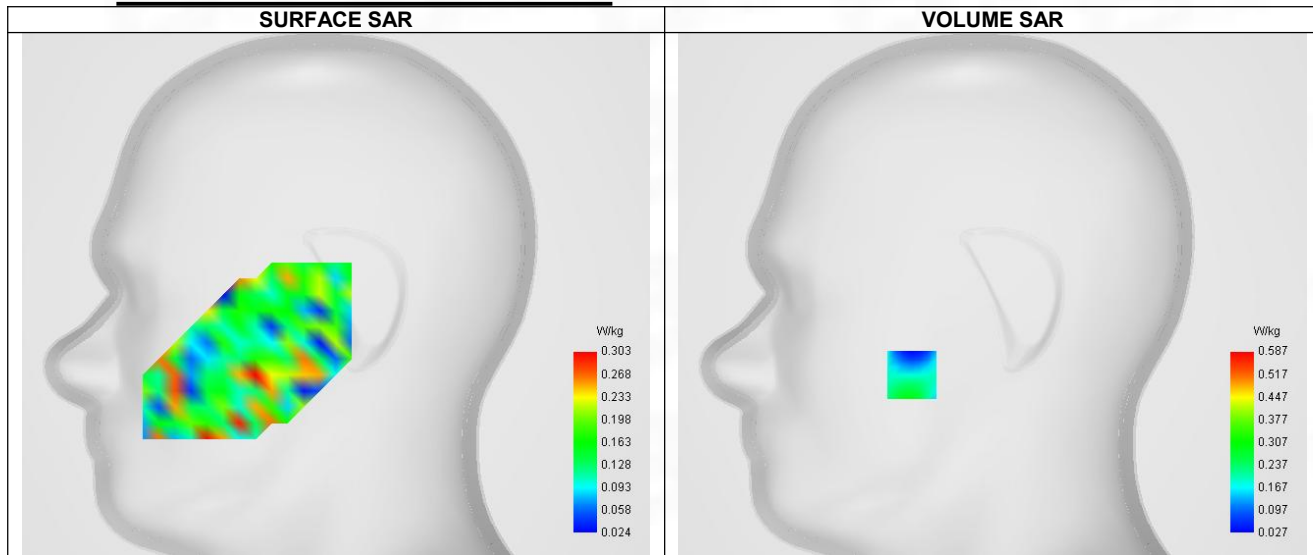
A. Experimental conditions.

Probe	SN 04/22 EPGO365
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2mm, Complete
Phantom	Right head
Device Position	Cheek
Band	IEEE 802.11ac U-NII
Channels	Middle (42)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	5210.000
Relative permittivity (real part)	35.870
Relative permittivity (imaginary part)	16.254
Conductivity (S/m)	4.710

C. SAR Surface and Volume



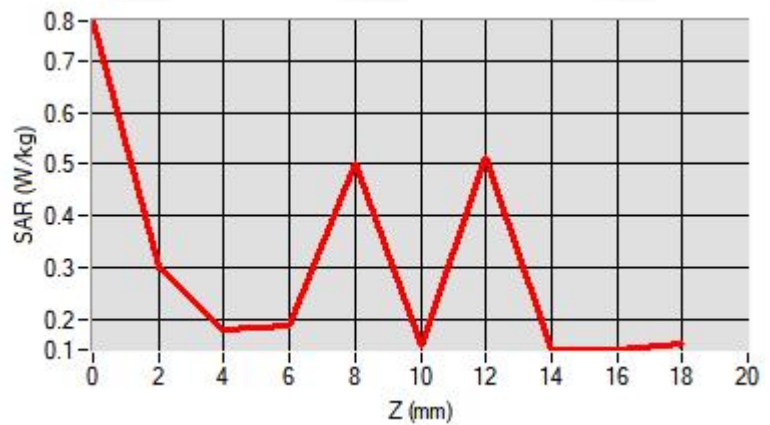
Maximum location: X=-40.00, Y=-40.00 ; SAR Peak: 0.60 W/kg

D. SAR 1g & 10g

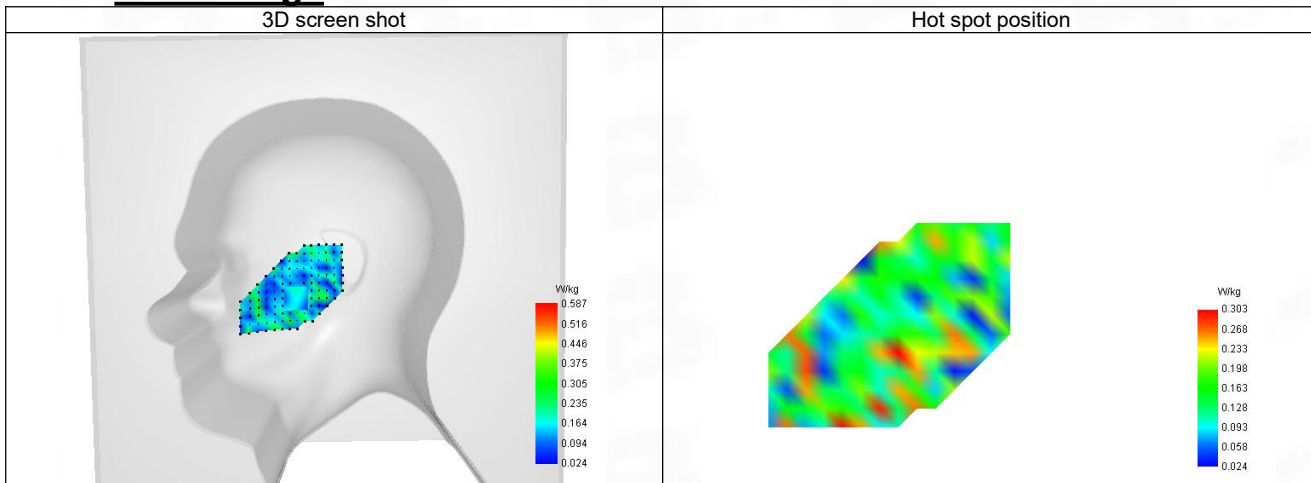
SAR 10g (W/Kg)	0.222
SAR 1g (W/Kg)	0.259
Variation (%)	-1.810
Horizontal validation criteria: minimum distance (mm)	6.205
Vertical validation criteria: SAR ratio M2/M1 (%)	60.20%

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.776	0.299	0.180	0.190	0.500	0.148	0.511	0.142	0.143



F. 3D Image



36-Body with back position in dist. 10mm on Channel 42 in IEEE 802.11ac U-NII

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

Date of measurement: 26/6/2024

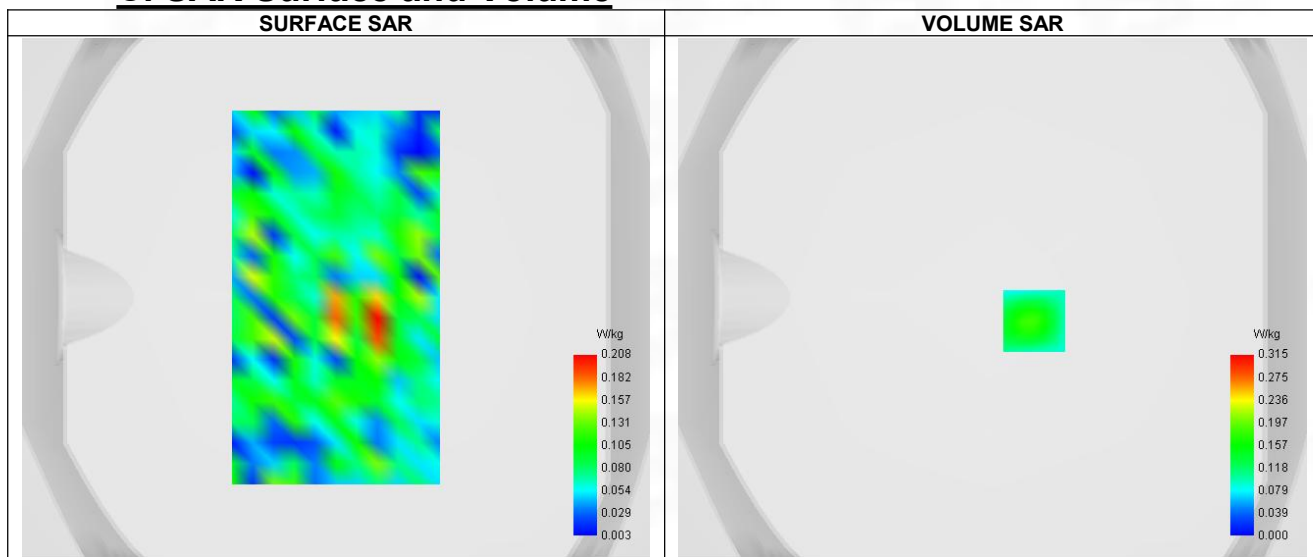
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2mm, Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11ac U-NII
Channels	Lower (42)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	5210.000
Relative permittivity (real part)	35.870
Relative permittivity (imaginary part)	16.254
Conductivity (S/m)	4.710

C. SAR Surface and Volume



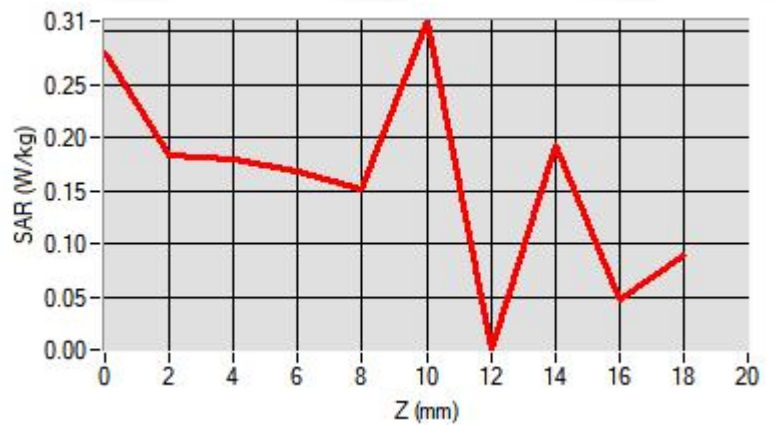
Maximum location: X=16.00, Y=-9.00 ; SAR Peak: 0.38 W/kg

D. SAR 1g & 10g

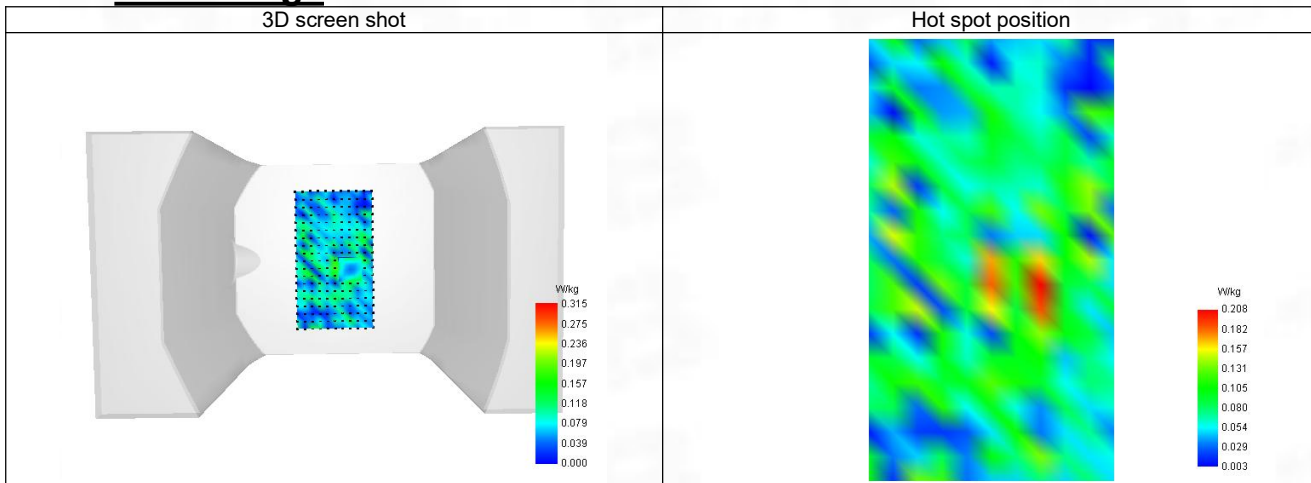
SAR 10g (W/Kg)	0.107
SAR 1g (W/Kg)	0.212
Variation (%)	2.560
Horizontal validation criteria: minimum distance (mm)	4.858
Vertical validation criteria: SAR ratio M2/M1 (%)	70.11%

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.280	0.184	0.129	0.109	0.102	0.070	0.061	0.053	0.048



F. 3D Image



37-Head with front position in dist. 0mm on Channel 58 in IEEE 802.11ac U-NII

SAR Measurement at IEEE 802.11ac U-NII (Cheek, Right)

Date of measurement: 26/6/2024

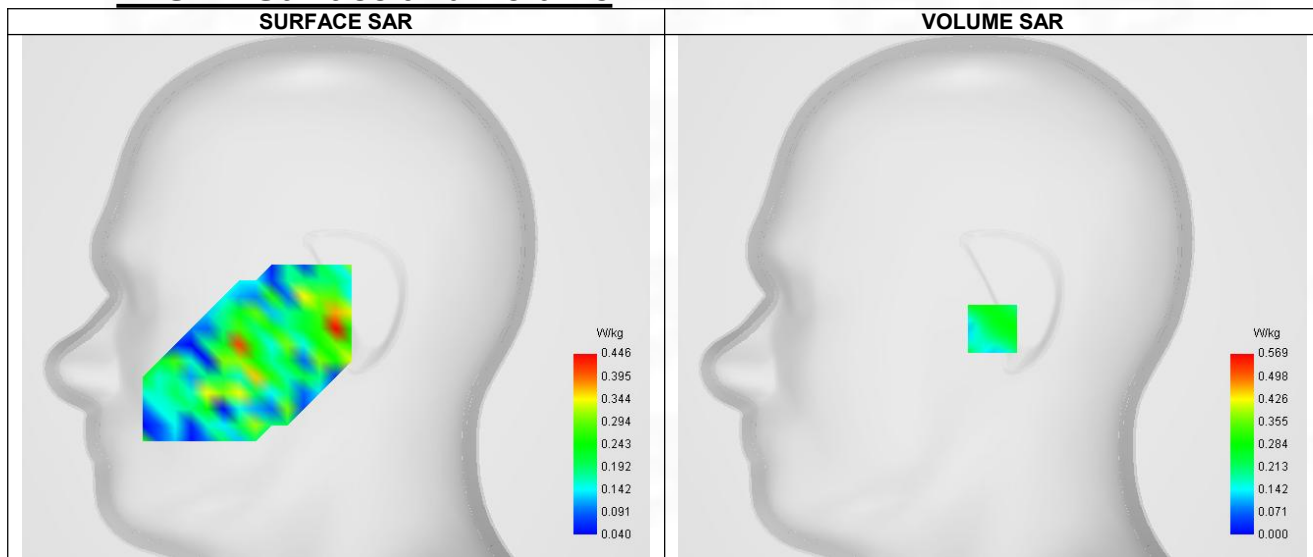
A. Experimental conditions.

Probe	SN 04/22 EPGO365
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2mm, Complete
Phantom	Right head
Device Position	Cheek
Band	IEEE 802.11ac U-NII
Channels	Middle (58)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	5290.000
Relative permittivity (real part)	35.790
Relative permittivity (imaginary part)	16.282
Conductivity (S/m)	4.790

C. SAR Surface and Volume



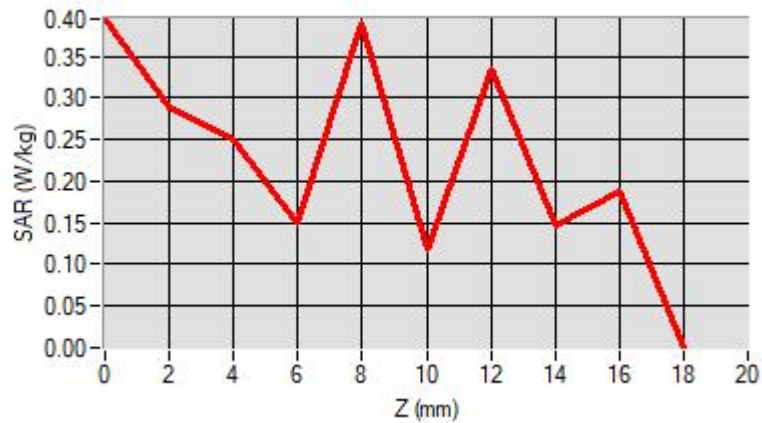
Maximum location: X=0.00, Y=-16.00 ; SAR Peak: 1.21 W/kg

D. SAR 1g & 10g

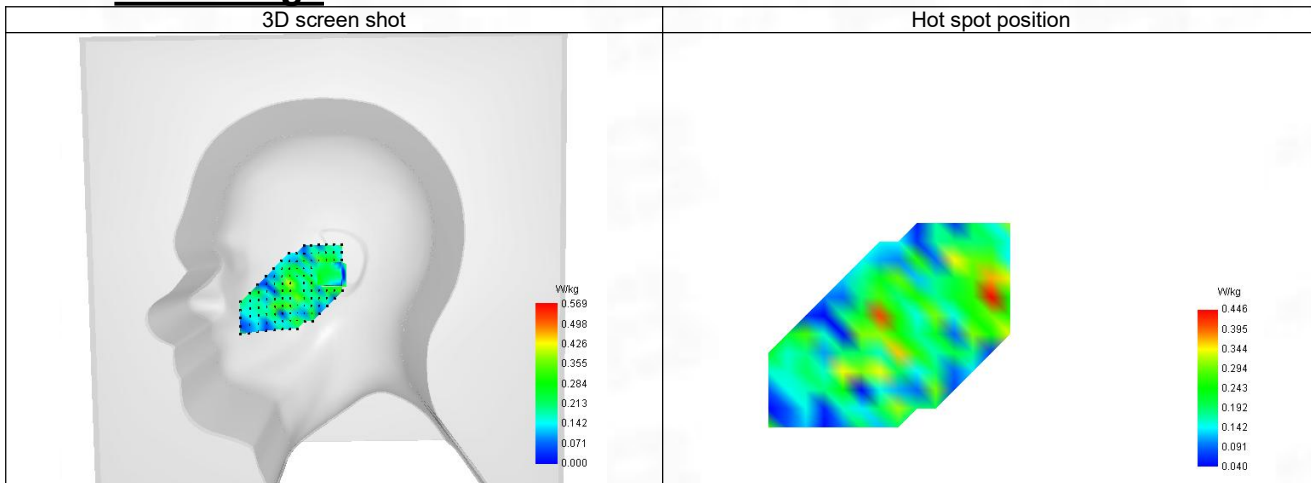
SAR 10g (W/Kg)	0.211
SAR 1g (W/Kg)	0.374
Variation (%)	-1.010
Horizontal validation criteria: minimum distance (mm)	5.268
Vertical validation criteria: SAR ratio M2/M1 (%)	54.83%

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.795	0.569	0.312	0.229	0.140	0.119	0.104	0.067	0.058



F. 3D Image



38-Body with back position in dist. 10mm on Channel 58 in IEEE 802.11ac U-NII

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

Date of measurement: 26/6/2024

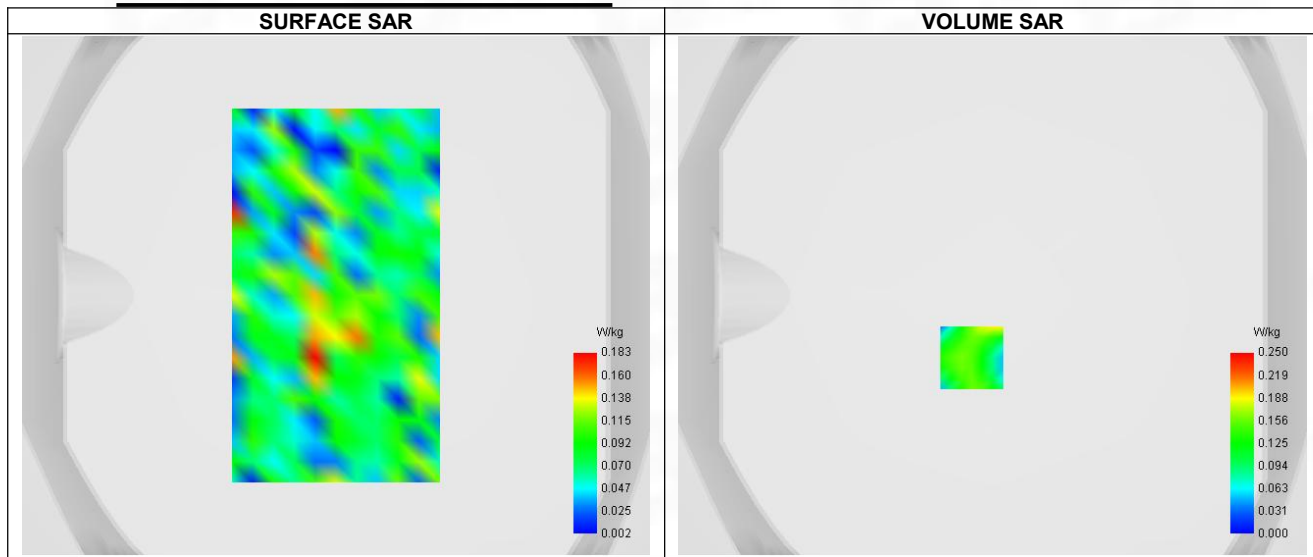
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.79
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2mm, Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11ac U-NII
Channels	Middle (58)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	5290.000
Relative permittivity (real part)	35.790
Relative permittivity (imaginary part)	16.282
Conductivity (S/m)	4.790

C. SAR Surface and Volume



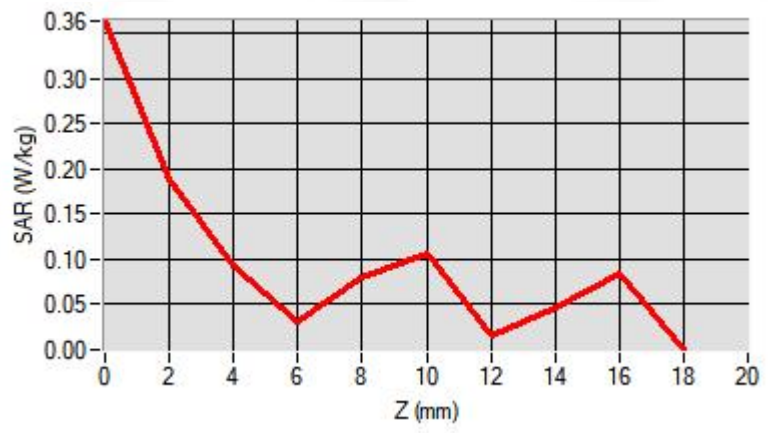
Maximum location: X=-8.00, Y=-24.00 ; SAR Peak: 0.36 W/kg

D. SAR 1g & 10g

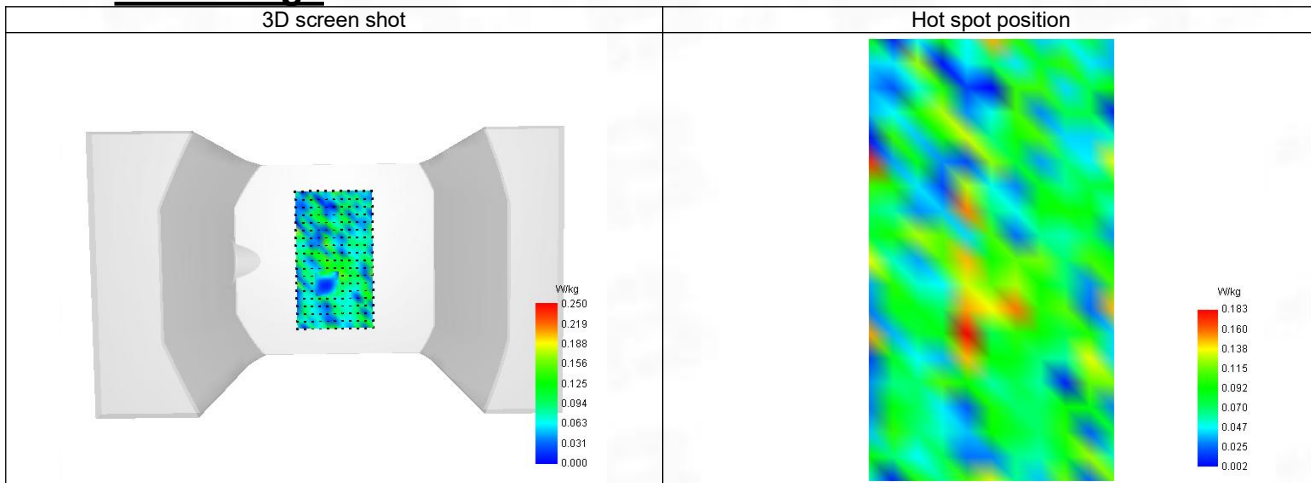
SAR 10g (W/Kg)	0.078
SAR 1g (W/Kg)	0.150
Variation (%)	-2.320
Horizontal validation criteria: minimum distance (mm)	6.214
Vertical validation criteria: SAR ratio M2/M1 (%)	65.20%

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.363	0.250	0.163	0.132	0.080	0.106	0.015	0.047	0.085



F. 3D Image



39-Head with front position in dist. 0mm on Channel 140 in IEEE 802.11n U-NII

SAR Measurement at IEEE 802.11n U-NII (Cheek, Right)

Date of measurement: 27/6/2024

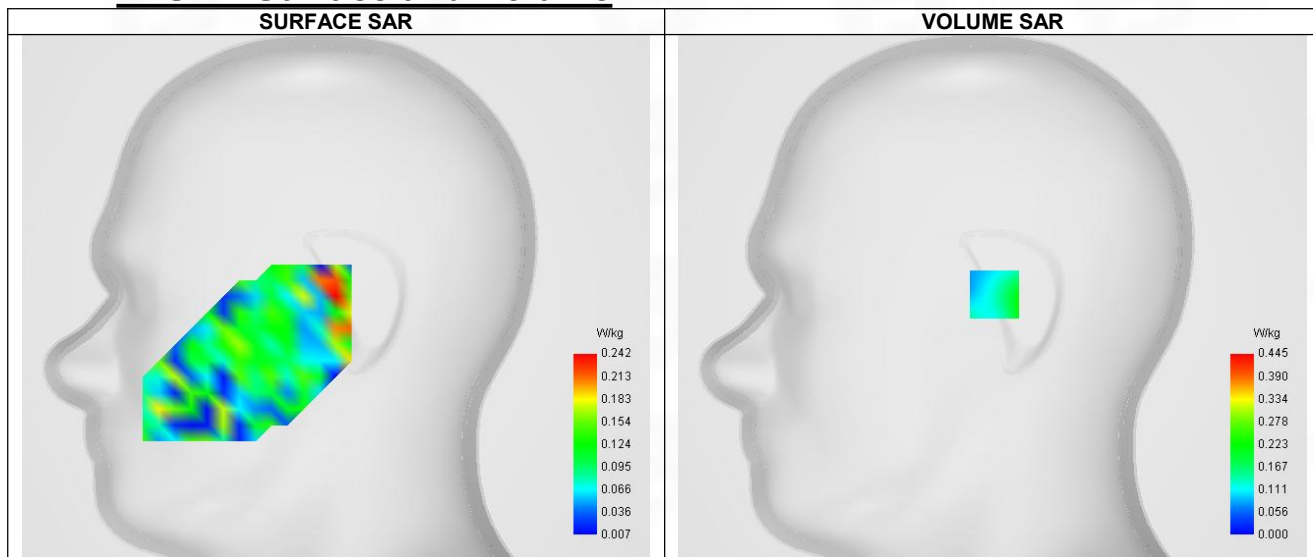
A. Experimental conditions.

Probe	SN 04/22 EPGO365
ConvF	1.65
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	IEEE 802.11n U-NII
Channels	Higher (140)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	5700.000
Relative permittivity (real part)	35.280
Relative permittivity (imaginary part)	16.450
Conductivity (S/m)	5.210

C. SAR Surface and Volume



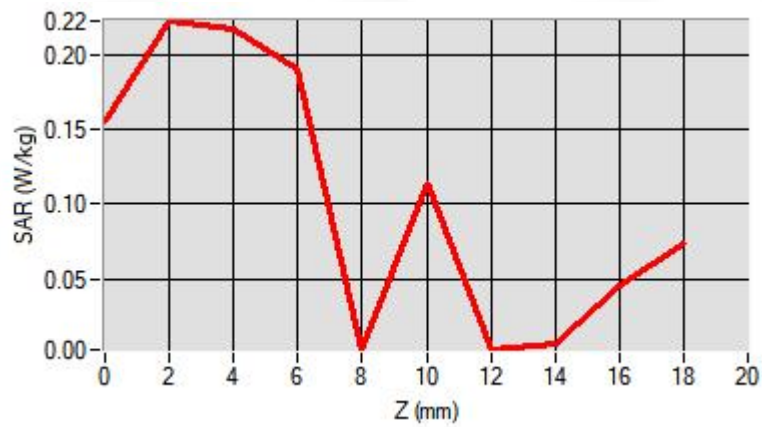
Maximum location: X=1.00, Y=1.00 ; SAR Peak: 0.78 W/kg

D. SAR 1g & 10g

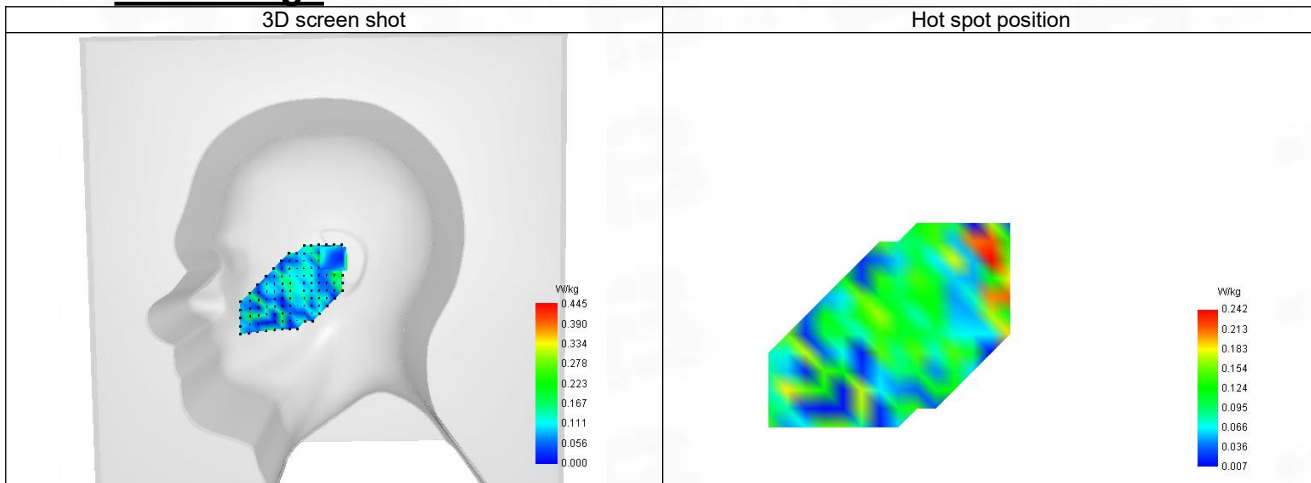
SAR 10g (W/Kg)	0.114
SAR 1g (W/Kg)	0.247
Variation (%)	3.370
Horizontal validation criteria: minimum distance (mm)	6.251
Vertical validation criteria: SAR ratio M2/M1 (%)	48.99%

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.656	0.445	0.218	0.191	0.003	0.114	0.003	0.007	0.045



F. 3D Image



40-Body with back position in dist. 10mm on Channel 140 in IEEE 802.11n U-NII

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

Date of measurement: 27/6/2024

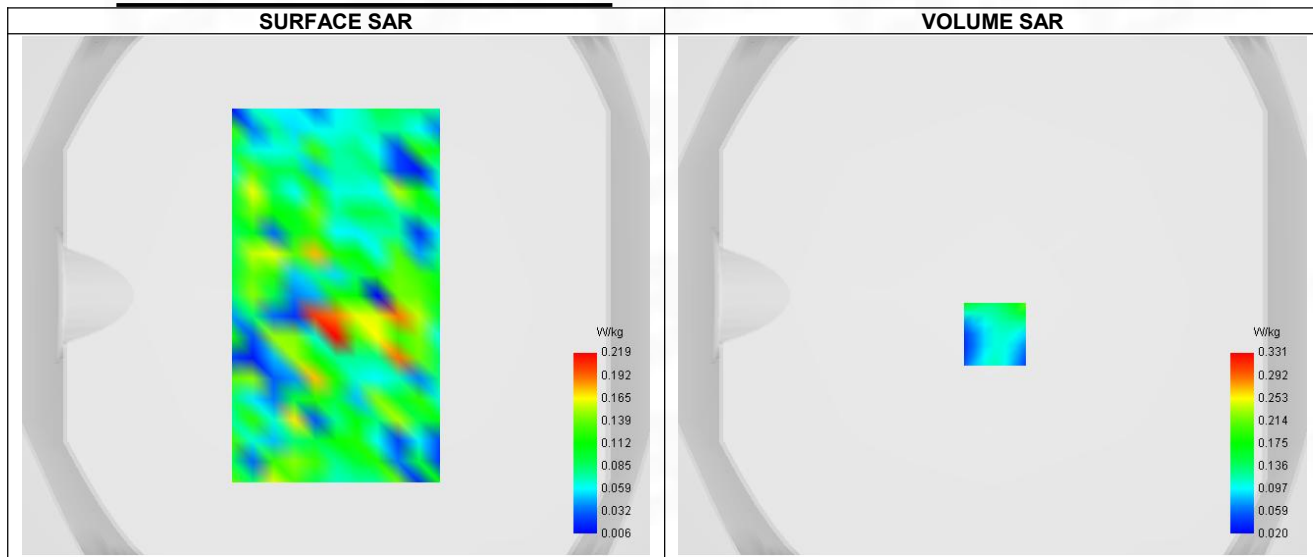
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.65
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2mm, Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11n U-NII
Channels	Higher (140)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	5700.000
Relative permittivity (real part)	35.280
Relative permittivity (imaginary part)	16.450
Conductivity (S/m)	5.210

C. SAR Surface and Volume

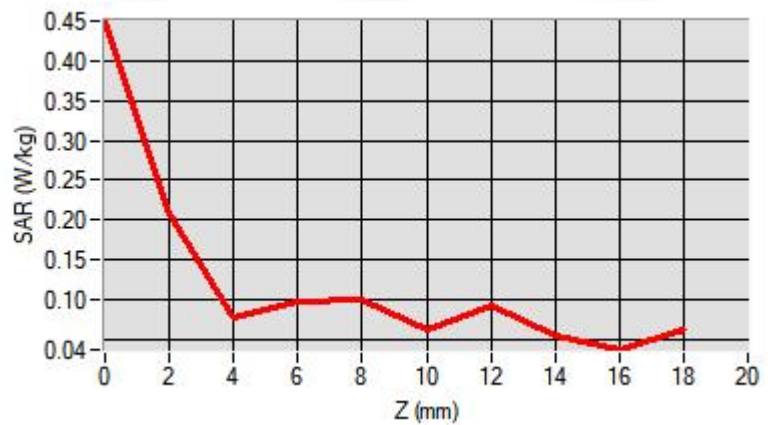


D. SAR 1g & 10g

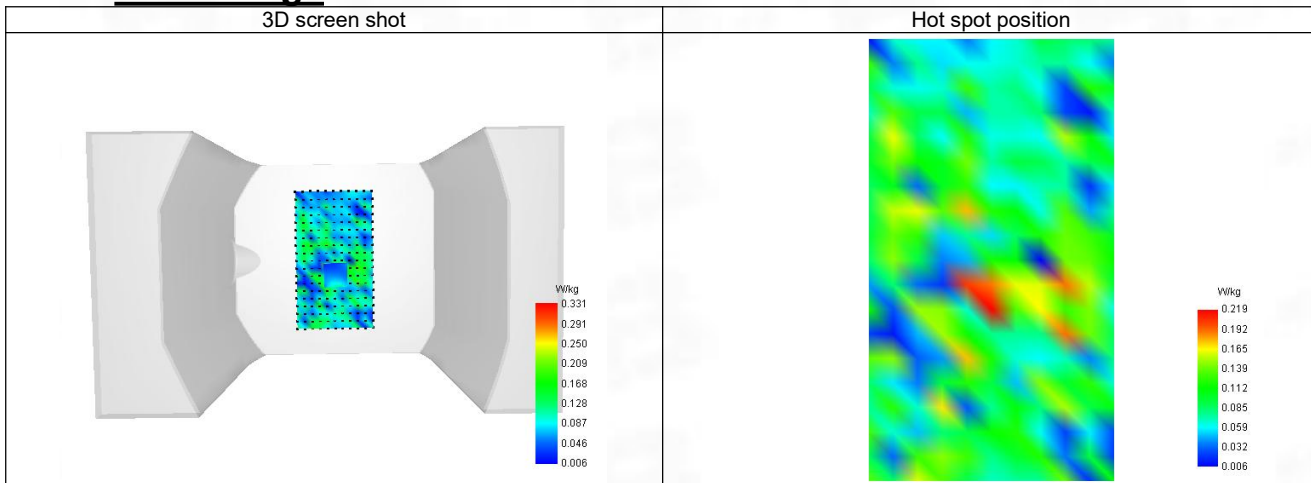
SAR 10g (W/Kg)	0.104
SAR 1g (W/Kg)	0.167
Variation (%)	-3.670
Horizontal validation criteria: minimum distance (mm)	7.145
Vertical validation criteria: SAR ratio M2/M1 (%)	53.47%

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.450	0.331	0.177	0.098	0.101	0.061	0.092	0.055	0.037



F. 3D Image



41-Head with front position in dist. 0mm on Channel 159 in IEEE 802.11n U-NII

SAR Measurement at IEEE 802.11ac U-NII (Cheek, Right)

Date of measurement: 27/6/2024

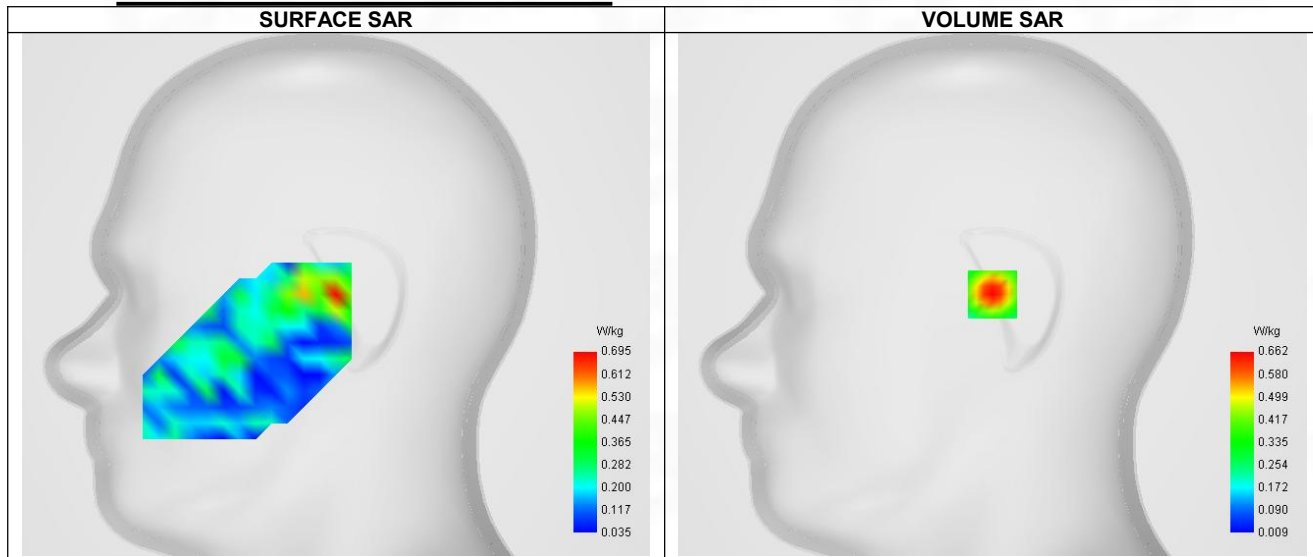
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.60
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	IEEE 802.11ac U-NII
Channels	Higher (159)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	5795.000
Relative permittivity (real part)	35.185
Relative permittivity (imaginary part)	16.479
Conductivity (S/m)	5.305

C. SAR Surface and Volume



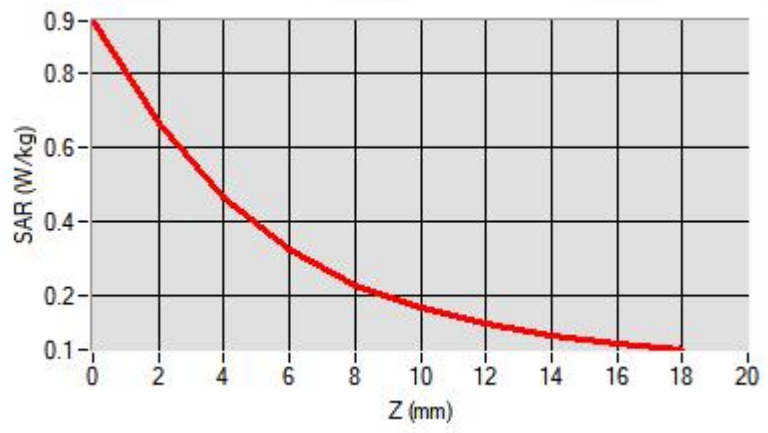
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 1.65 W/kg

D. SAR 1g & 10g

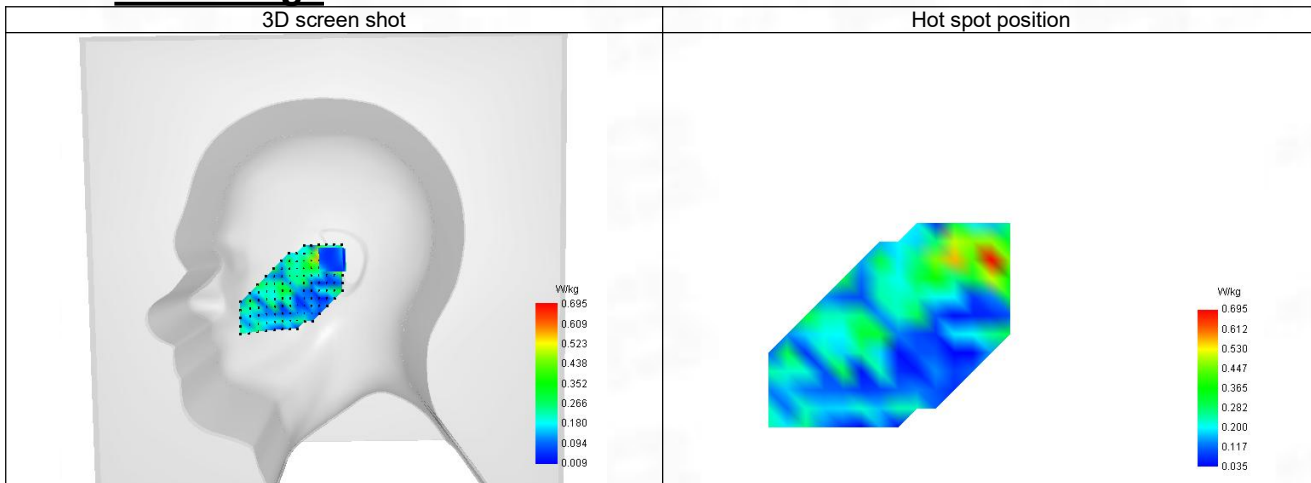
SAR 10g (W/Kg)	0.313
SAR 1g (W/Kg)	0.581
Variation (%)	-1.980
Horizontal validation criteria: minimum distance (mm)	6.478
Vertical validation criteria: SAR ratio M2/M1 (%)	69.79%

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.941	0.662	0.462	0.322	0.227	0.164	0.121	0.091	0.069



F. 3D Image



42-Body with back position in dist. 10mm on Channel 159 in IEEE 802.11n U-NII

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

Date of measurement: 27/6/2024

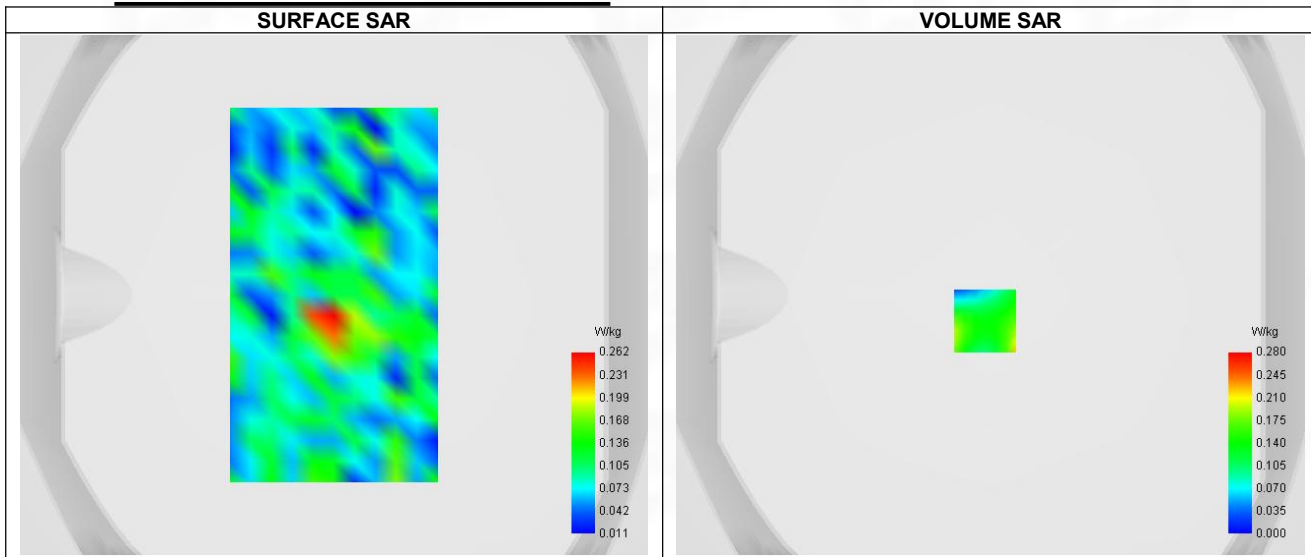
A. Experimental conditions.

Probe	SN 04/22 EPG0365
ConvF	1.60
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2mm, Complete
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11ac U-NII
Channels	Higher (159)
Signal	IEEE 802.11

B. Permittivity

Frequency (MHz)	5795.000
Relative permittivity (real part)	35.185
Relative permittivity (imaginary part)	16.479
Conductivity (S/m)	5.305

C. SAR Surface and Volume



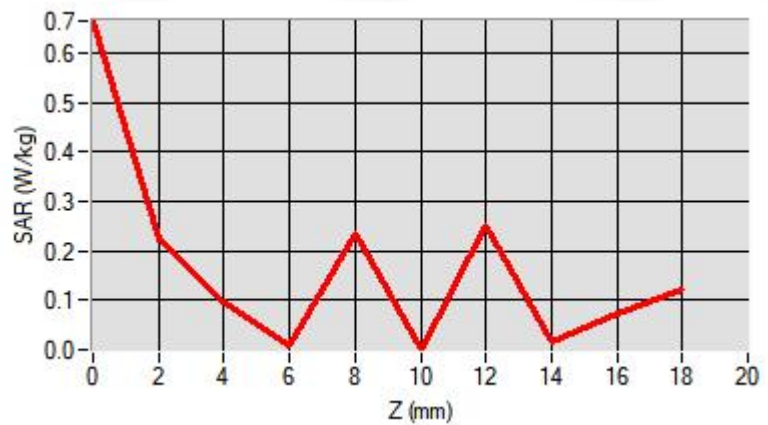
Maximum location: X=-2.00, Y=-10.00 ; SAR Peak: 0.66 W/kg

D. SAR 1g & 10g

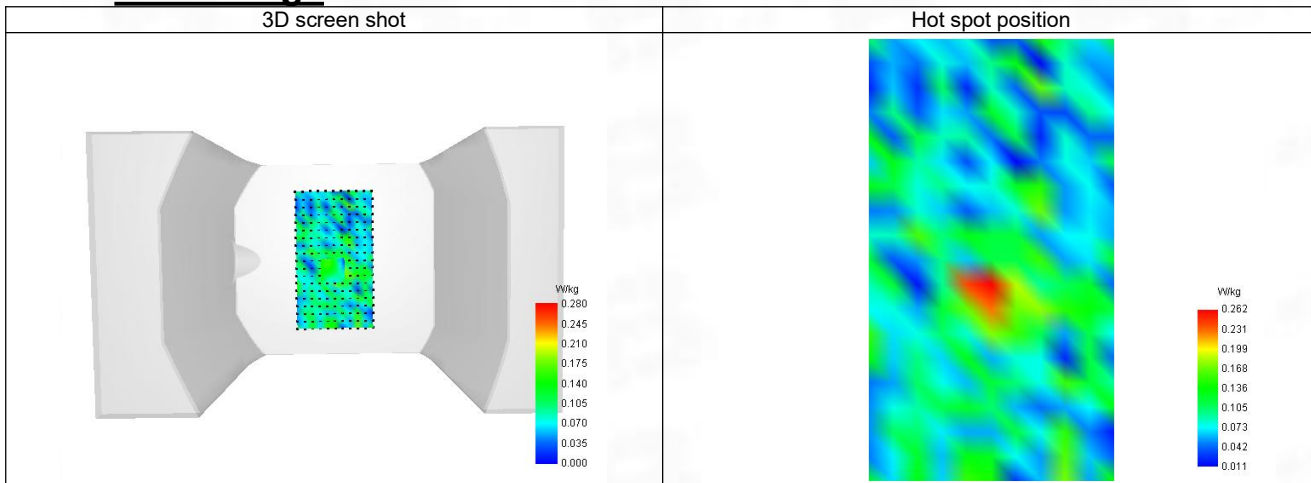
SAR 10g (W/Kg)	0.135
SAR 1g (W/Kg)	0.179
Variation (%)	2.400
Horizontal validation criteria: minimum distance (mm)	5.487
Vertical validation criteria: SAR ratio M2/M1 (%)	43.50%

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.666	0.223	0.097	0.010	0.236	0.000	0.254	0.017	0.073



F. 3D Image



43-Head with front position in dist. 0mm on Channel 0 in Bluetooth

SAR Measurement at Bluetooth (Cheek, Right)

Date of measurement: 24/6/2024

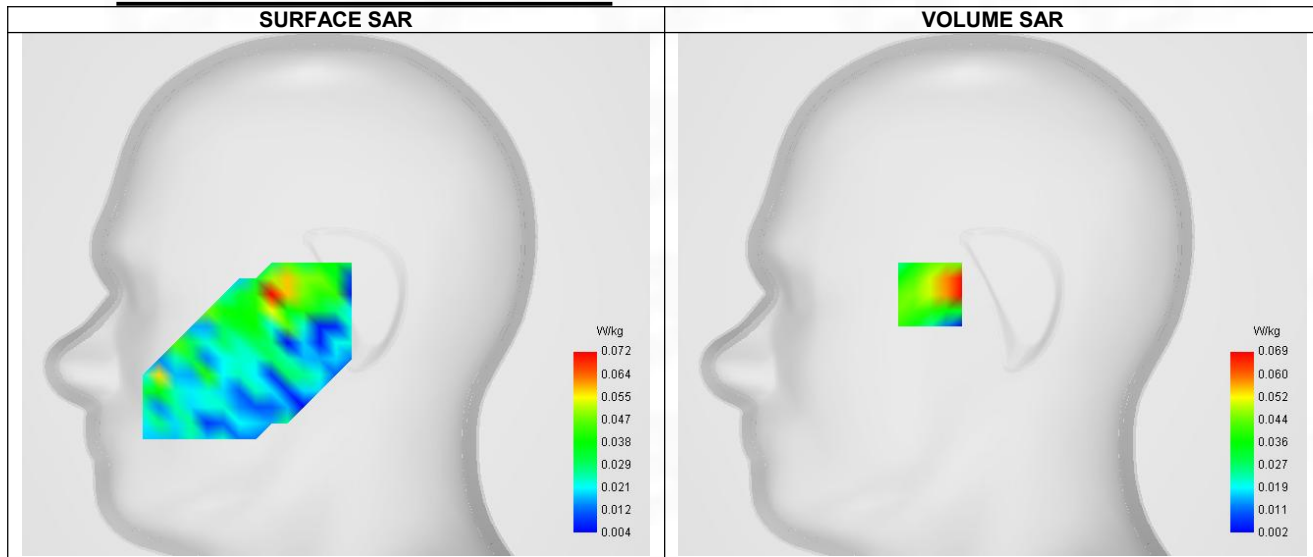
A. Experimental conditions.

Probe	SN 04/22 EPGO365
ConvF	2.36
Area Scan	dx=8mm dy=8mm, Adaptive 1 max
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Bluetooth
Channels	Lower (0)
Signal	Bluetooth

B. Permittivity

Frequency (MHz)	2402.000
Relative permittivity (real part)	39.150
Relative permittivity (imaginary part)	13.343
Conductivity (S/m)	1.775

C. SAR Surface and Volume

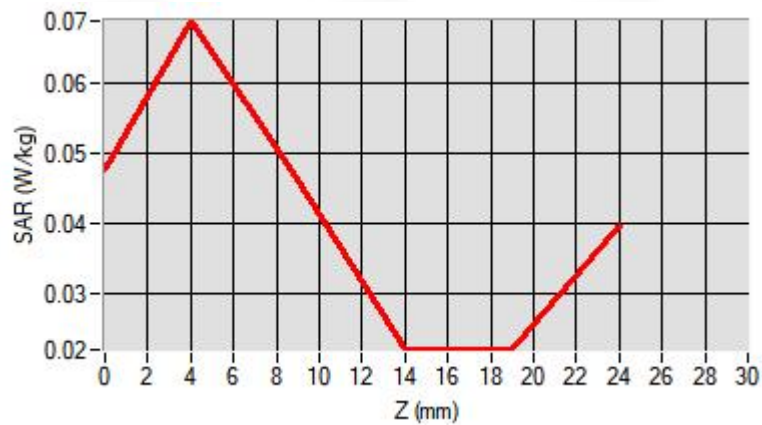


D. SAR 1g & 10g

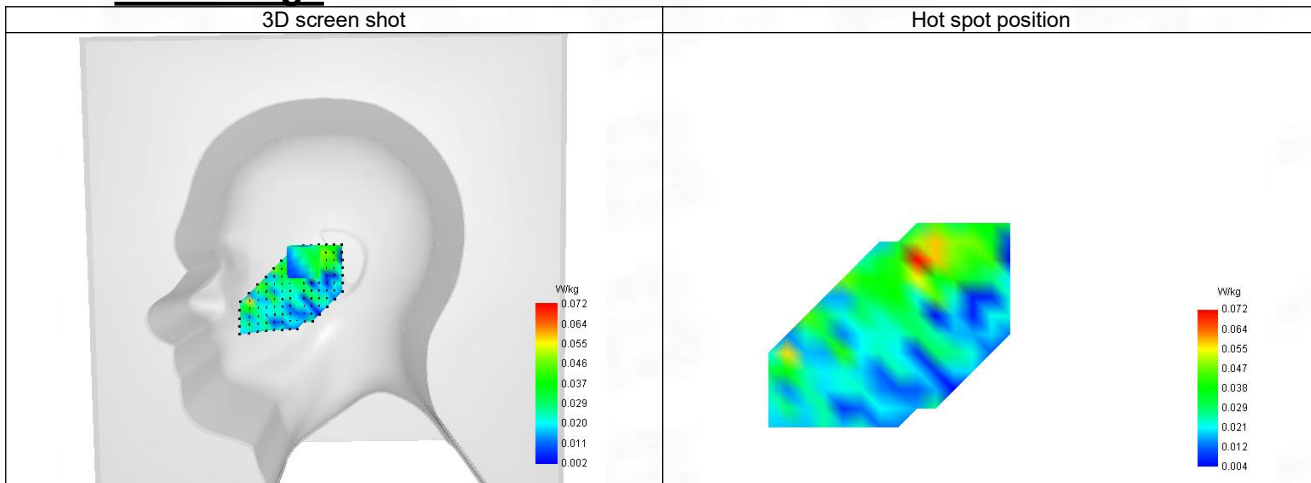
SAR 10g (W/Kg)	0.050
SAR 1g (W/Kg)	0.072
Variation (%)	-1.440
Horizontal validation criteria: minimum distance (mm)	8.529
Vertical validation criteria: SAR ratio M2/M1 (%)	66.675

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.048	0.069	0.046	0.022	0.022



F. 3D Image

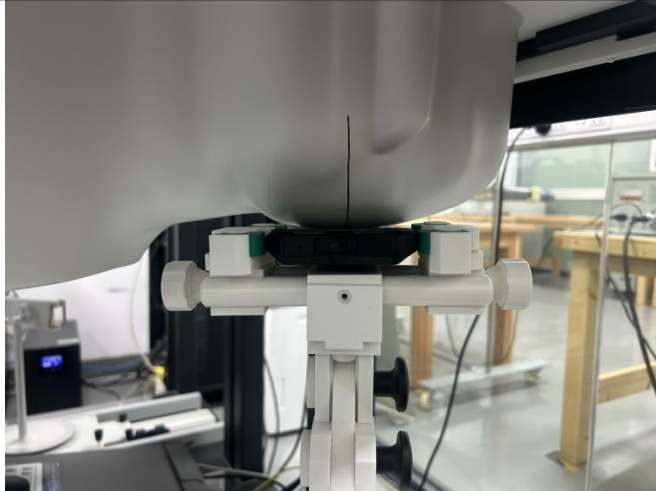


ANNEX D SAR Test Setup Photos

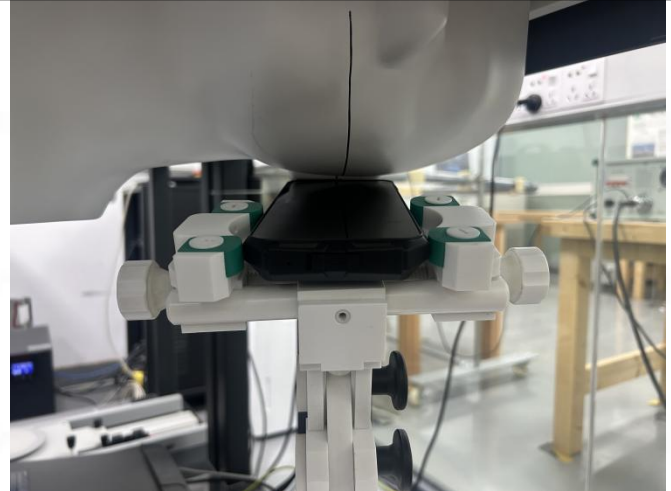
Reference Photo: simulation liquid depth 15cm



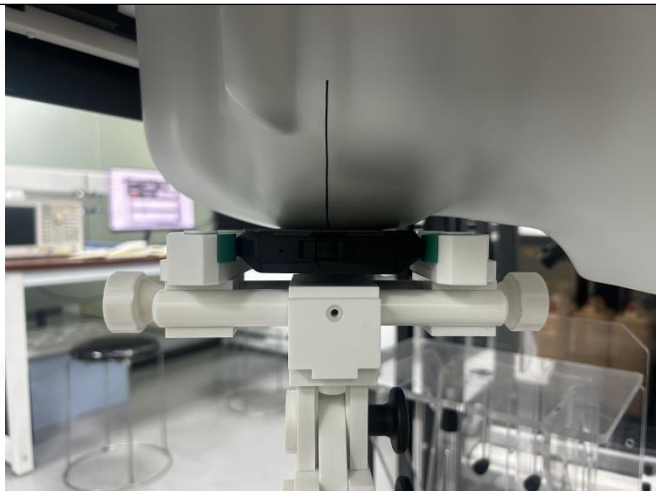
Reference Photos



Left Head - Cheek



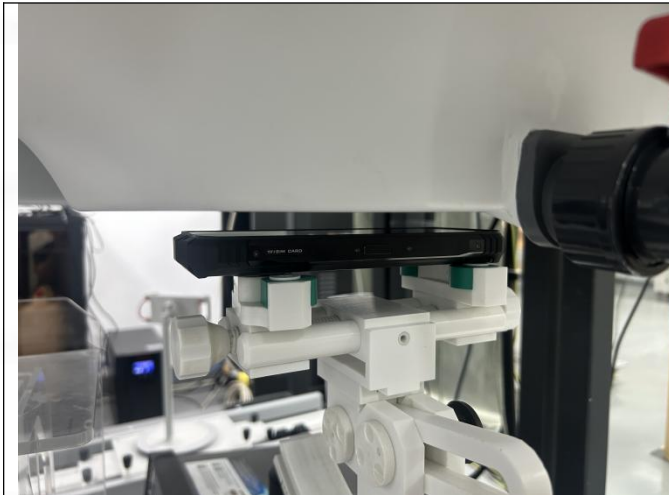
Left Head - Tilt



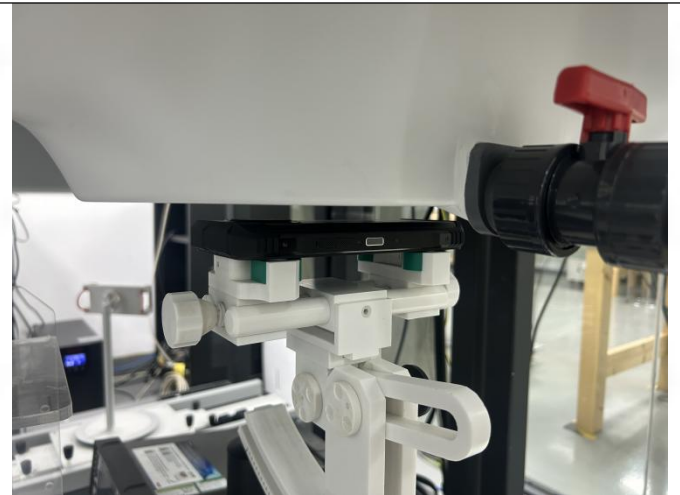
Right Head - Cheek



Right Head - Tilt



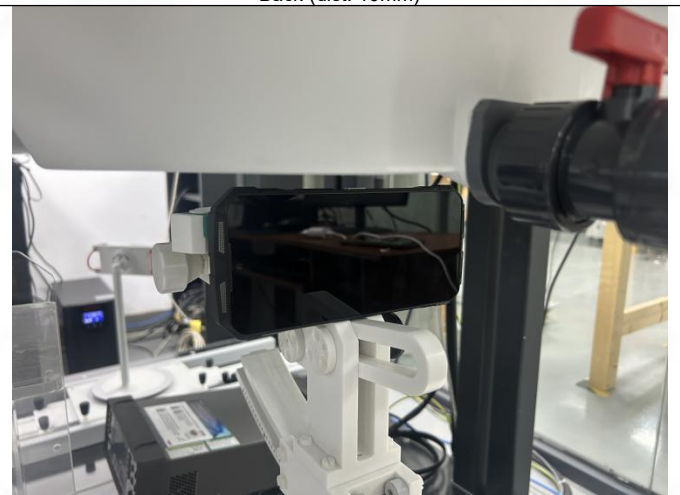
Front (dist. 10mm)



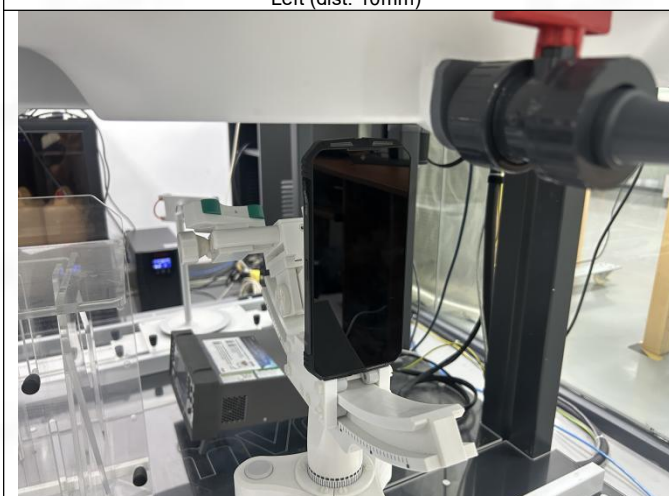
Back (dist. 10mm)



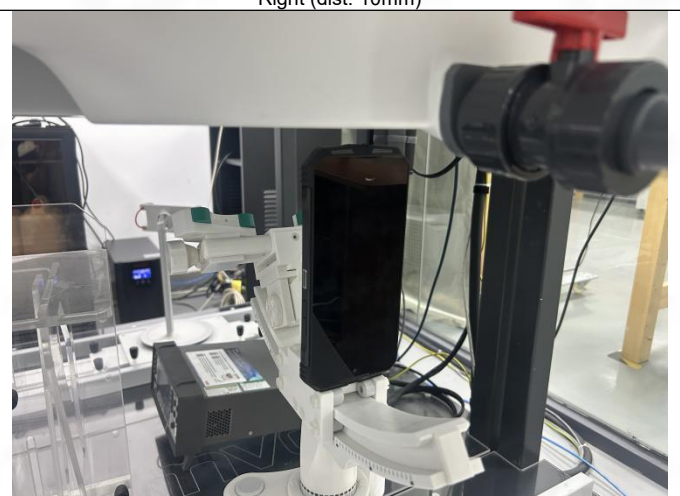
Left (dist. 10mm)



Right (dist. 10mm)



Top (dist. 10mm)



Bottom (dist. 10mm)

ANNEX E EUT External and Internal Photos

Please refer to RF Report.

ANNEX F Calibration Information

Please refer to the document "Calibration.pdf".



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