

#3

Date of measurement: 20/12/2025

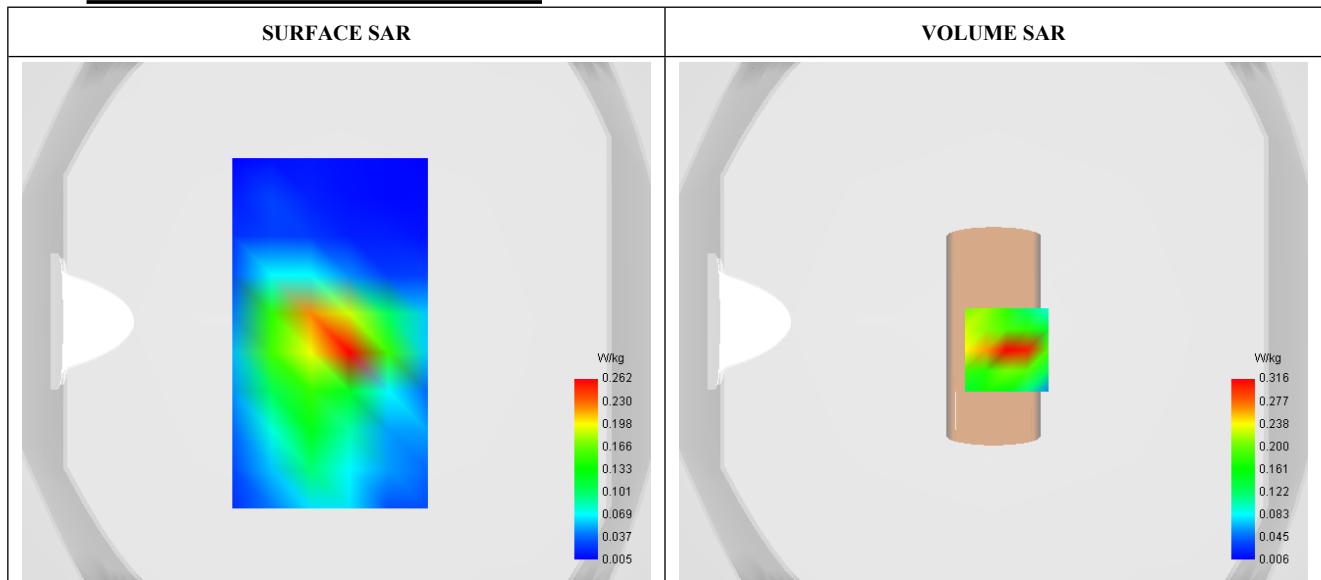
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.66
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	Band 5 (850)
Channels/Frequency	Middle (4182)/ frequency 836.400 Mhz

B. Permittivity

Middle TX Frequency (MHz)	836.400
Relative permittivity (real part)	40.940
Relative permittivity (imaginary part)	19.300
Conductivity (S/m)	0.895

C. SAR Surface and Volume



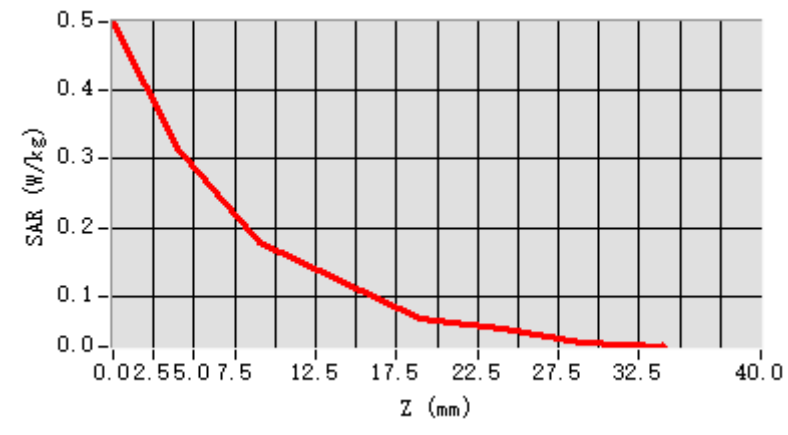
Maximum location: X=5.00, Y=-11.00 ; SAR Peak: 0.56 W/kg

D. SAR 1g & 10g

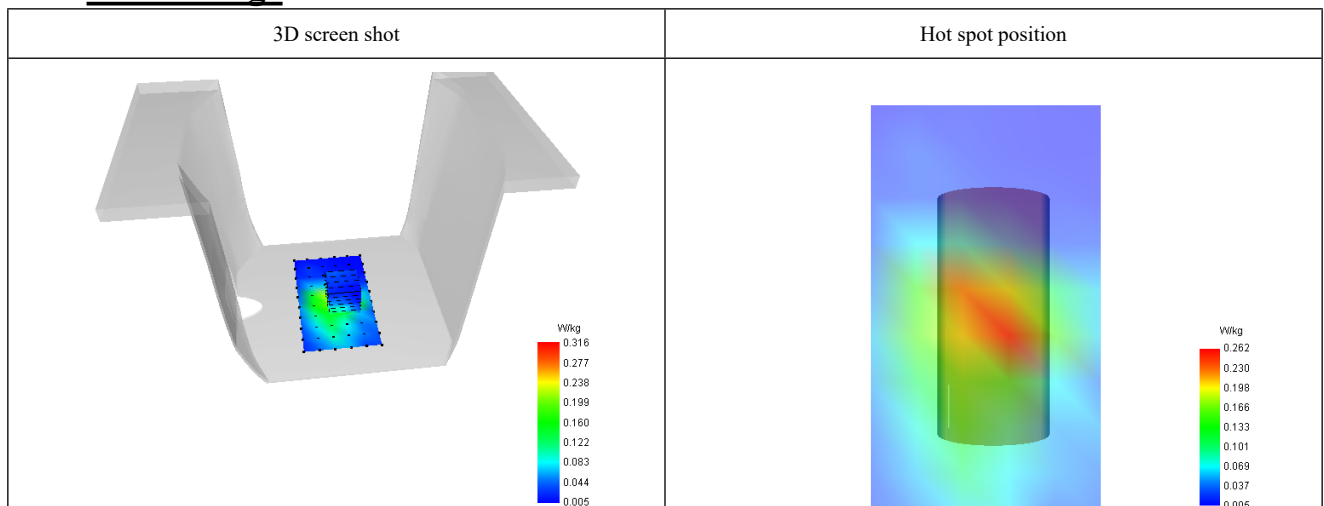
SAR 10g (W/Kg)	0.149
SAR 1g (W/Kg)	0.292
Variation (%)	-0.560
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.329114

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.498	0.316	0.178	0.123	0.070	0.055	0.033



F. 3D Image



#4

Date of measurement: 26/12/2025

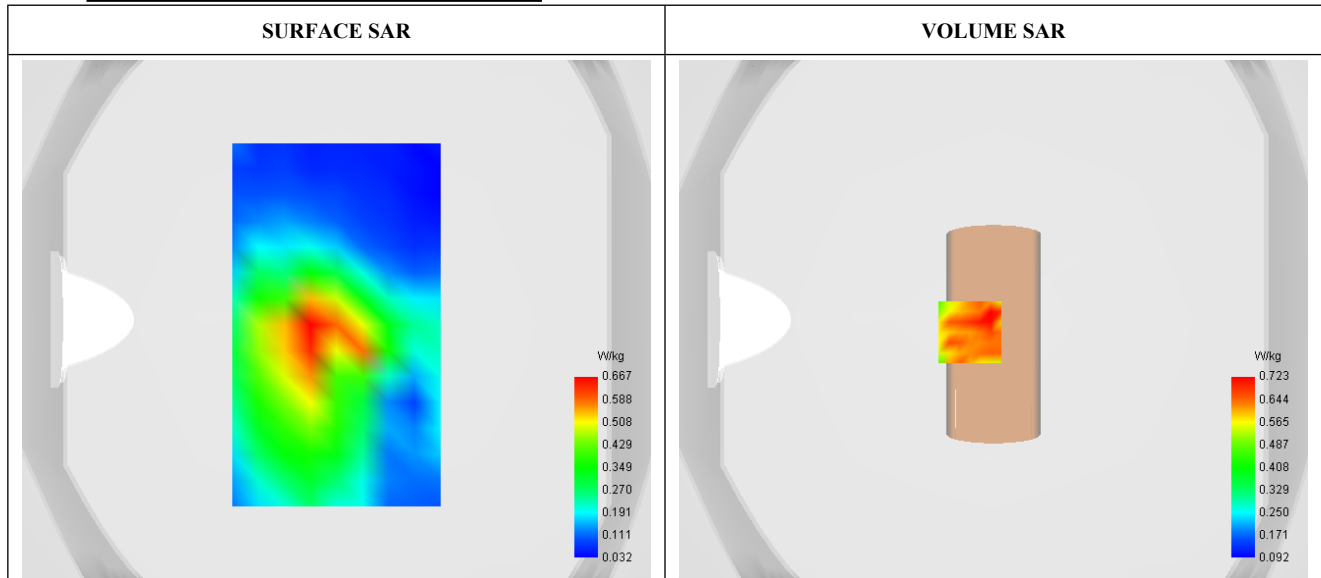
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.30
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	U-NII-1
Channels/Frequency	High (48)/ frequency 5240.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5240.000
Relative permittivity (real part)	36.000
Relative permittivity (imaginary part)	16.130
Conductivity (S/m)	4.660

C. SAR Surface and Volume



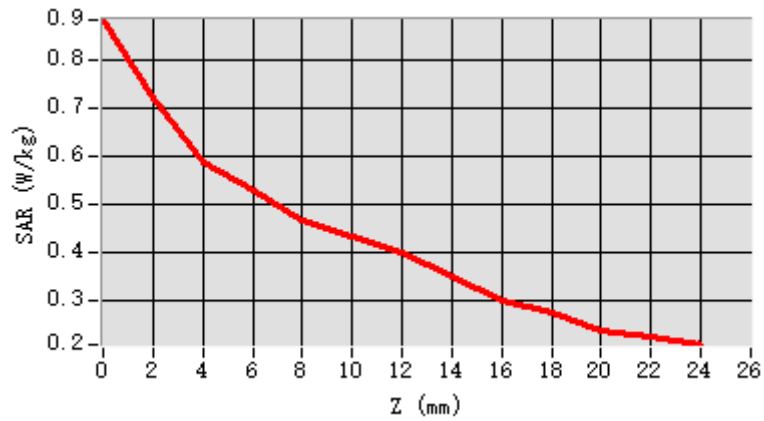
Maximum location: X=-9.00, Y=-5.00 ; SAR Peak: 1.00 W/kg

D. SAR 1g & 10g

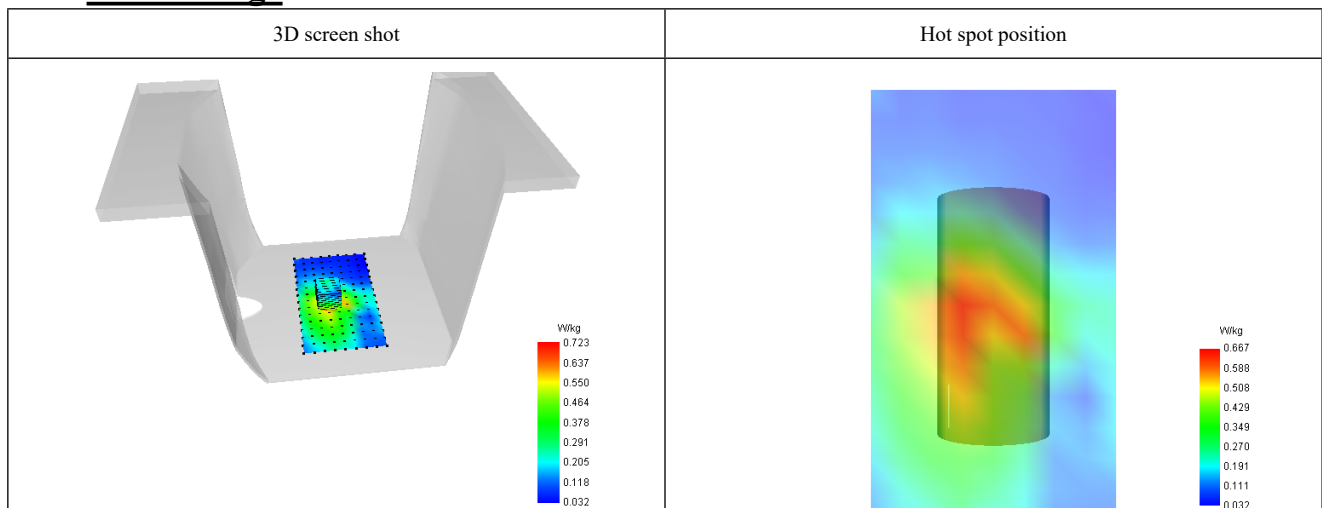
SAR 10g (W/Kg)	0.366
SAR 1g (W/Kg)	0.603
Variation (%)	2.650
Horizontal validation criteria: minimum distance (mm)	-1.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	81.742739

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00
SAR (W/Kg)	0.885	0.723	0.591	0.532	0.468	0.434	0.401	0.350	0.302	0.275	0.239	0.226	0.226



F. 3D Image



#5

Date of measurement: 30/12/2025

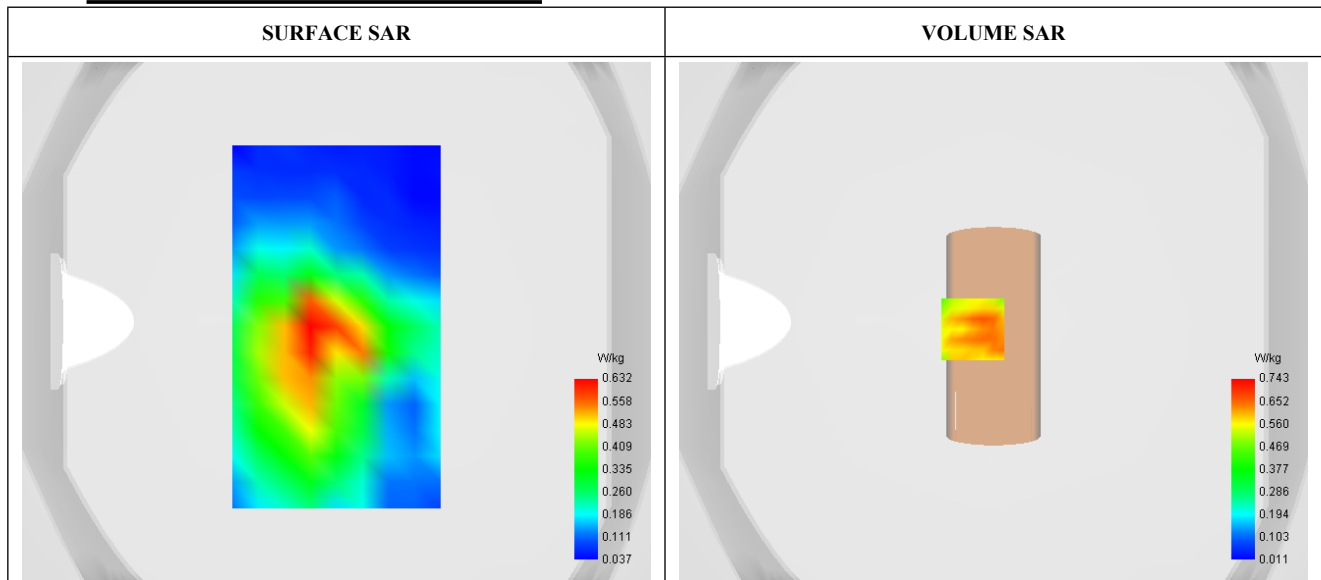
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.27
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	U-NII-3
Channels/Frequency	Low (151)/ frequency 5755.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5755.000
Relative permittivity (real part)	35.300
Relative permittivity (imaginary part)	16.360
Conductivity (S/m)	5.272

C. SAR Surface and Volume



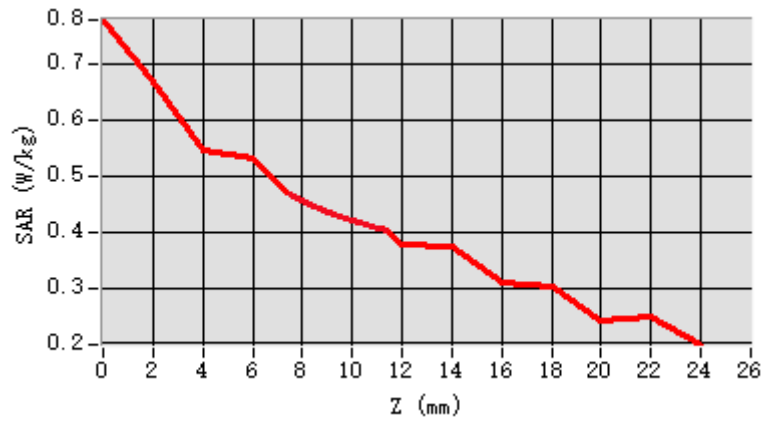
Maximum location: X=-8.00, Y=-3.00 ; SAR Peak: 1.12 W/kg

D. SAR 1g & 10g

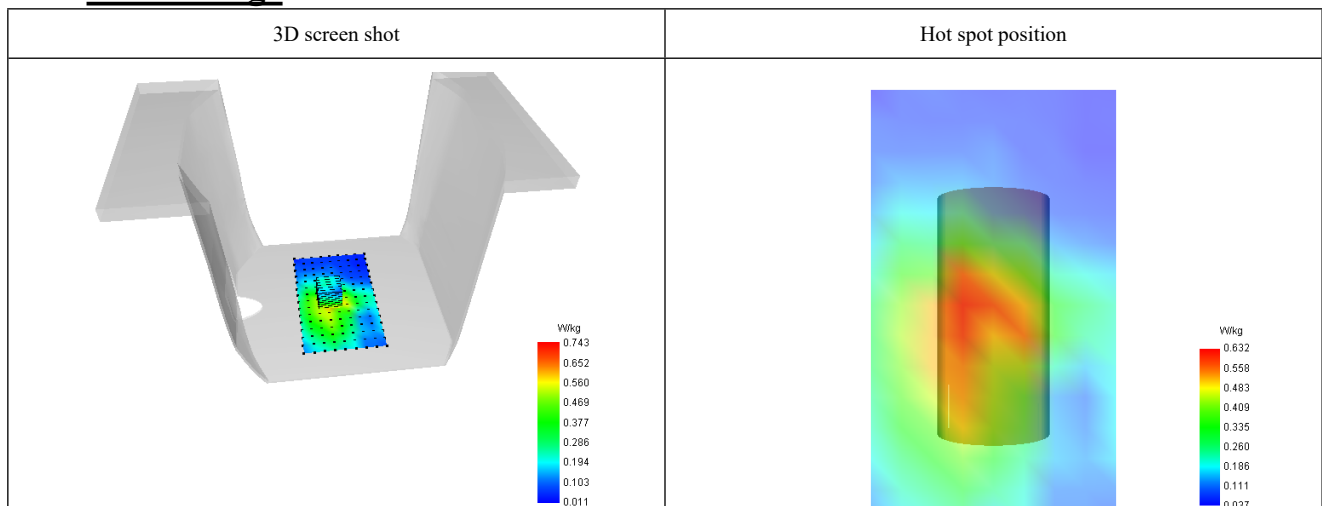
SAR 10g (W/Kg)	0.308
SAR 1g (W/Kg)	0.591
Variation (%)	0.280
Horizontal validation criteria: minimum distance (mm)	-1.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	82.132132

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.779	0.666	0.547	0.531	0.442	0.456	0.376	0.372	0.309	0.304	0.242	0.248



F. 3D Image



#6

Date of measurement: 24/12/2025

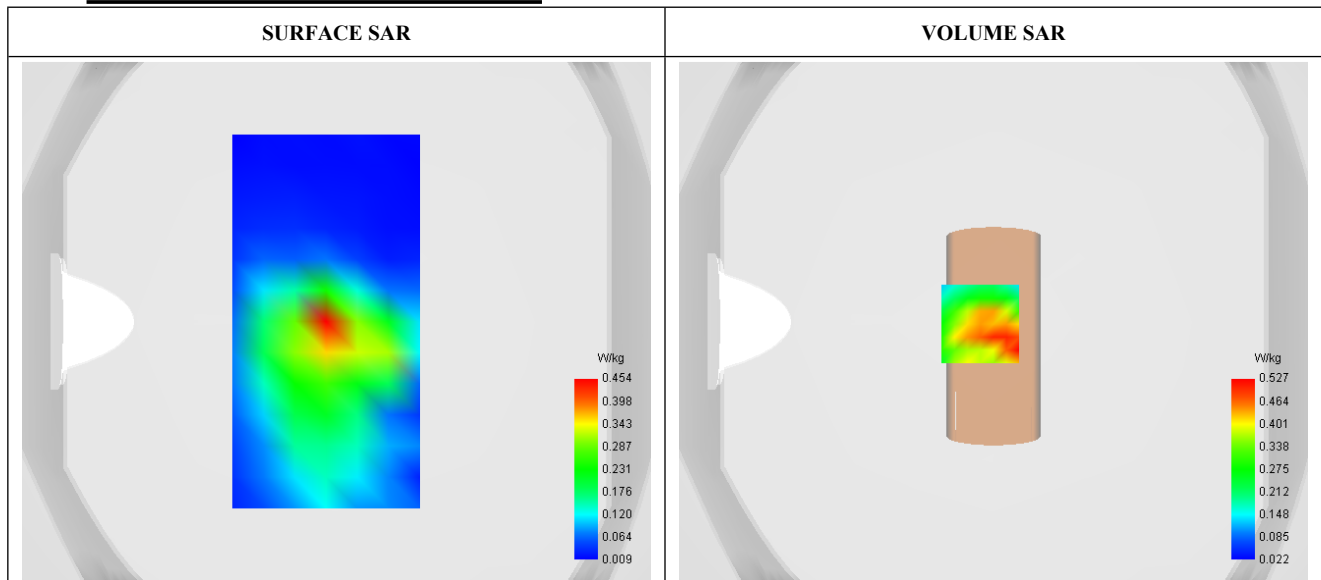
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.38
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	ISM
Channels/Frequency	Low (1)/ frequency 2412.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2412.000
Relative permittivity (real part)	41.040
Relative permittivity (imaginary part)	13.220
Conductivity (S/m)	1.799

C. SAR Surface and Volume



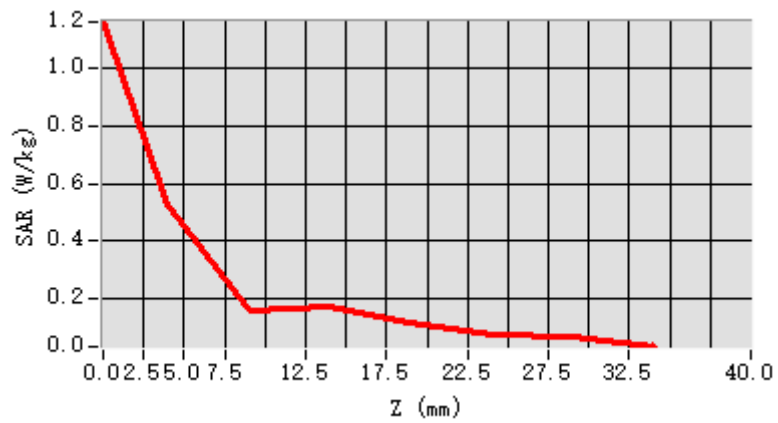
Maximum location: X=-5.00, Y=-1.00 ; SAR Peak: 0.89 W/kg

D. SAR 1g & 10g

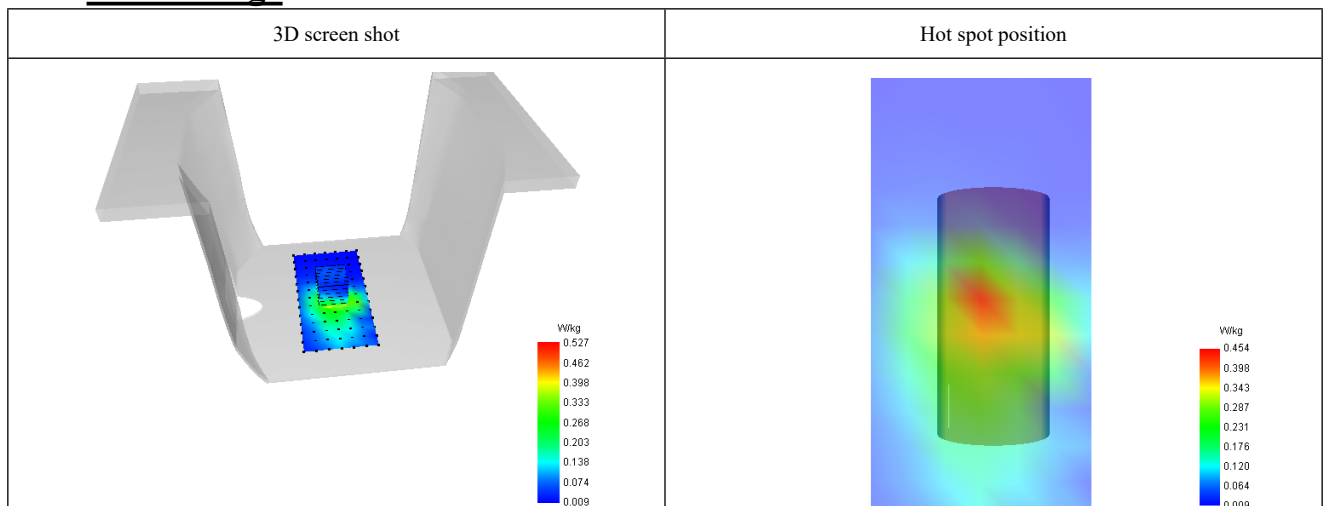
SAR 10g (W/Kg)	0.242
SAR 1g (W/Kg)	0.476
Variation (%)	2.490
Horizontal validation criteria: minimum distance (mm)	20.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	30.170778

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.162	0.527	0.159	0.172	0.119	0.076	0.067



F. 3D Image



#7

Date of measurement: 12/12/2025

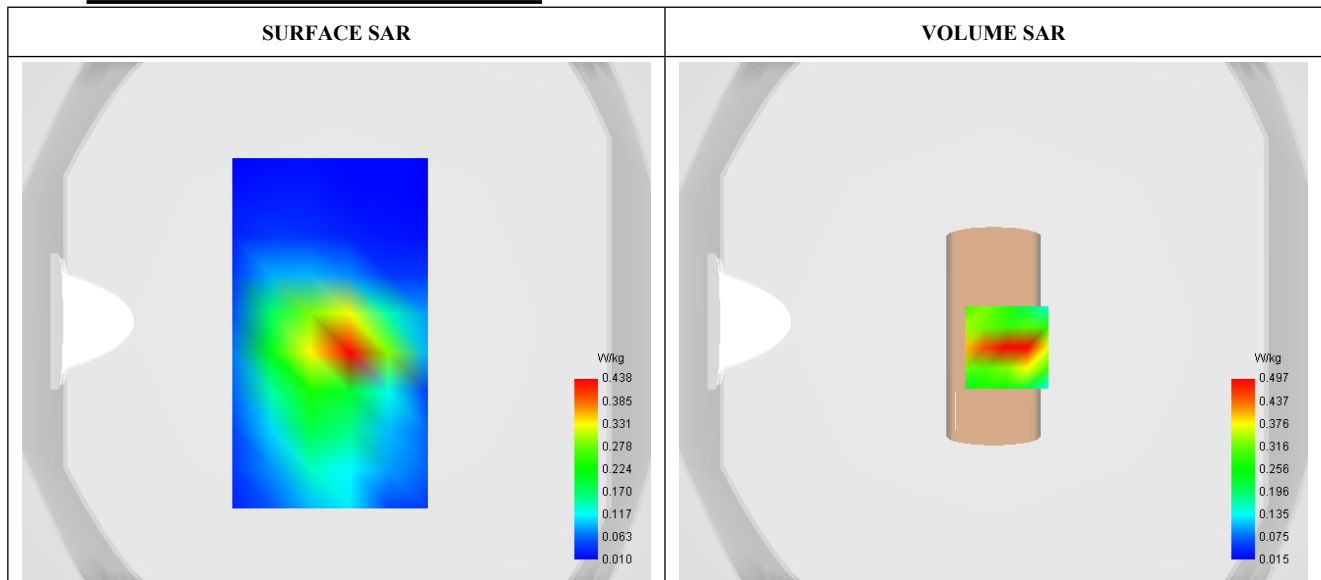
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.05
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 2
Channels/Frequency	Middle (18900)/ frequency 1880.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	1880.000
Relative permittivity (real part)	41.270
Relative permittivity (imaginary part)	12.500
Conductivity (S/m)	1.319

C. SAR Surface and Volume



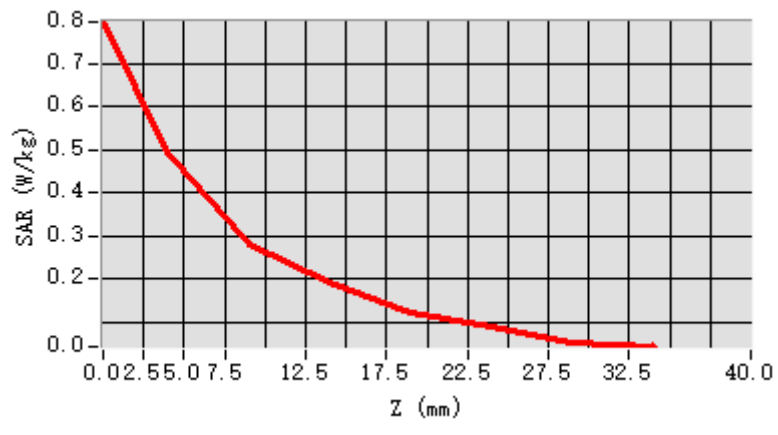
Maximum location: X=5.00, Y=-10.00 ; SAR Peak: 0.83 W/kg

D. SAR 1g & 10g

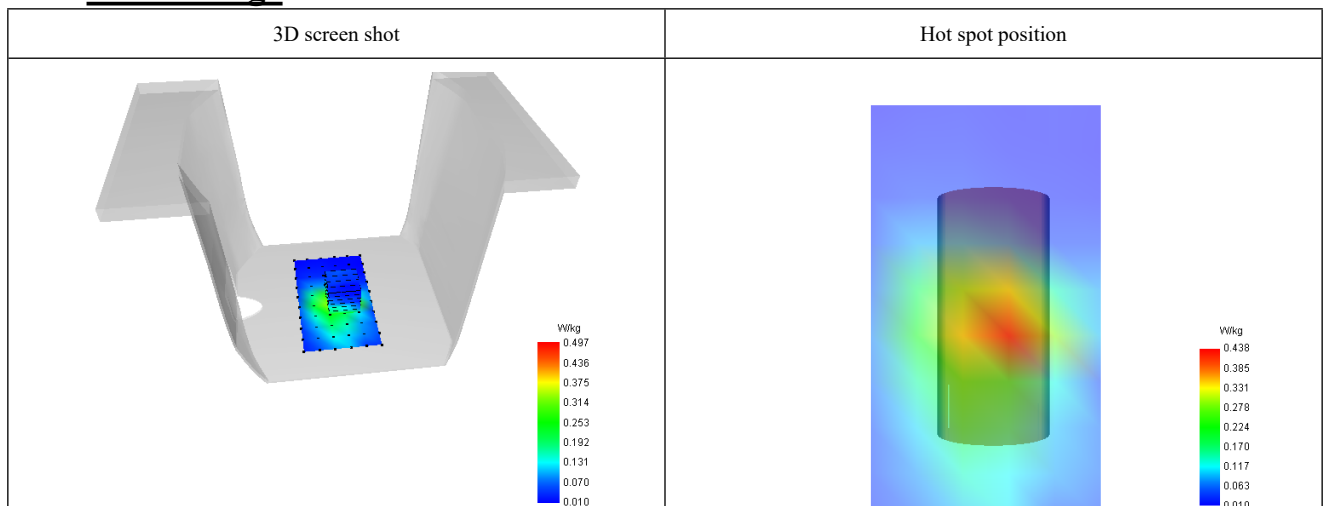
SAR 10g (W/Kg)	0.247
SAR 1g (W/Kg)	0.466
Variation (%)	2.920
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	56.941650

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.797	0.497	0.283	0.195	0.123	0.092	0.052



F. 3D Image



#8

Date of measurement: 21/12/2025

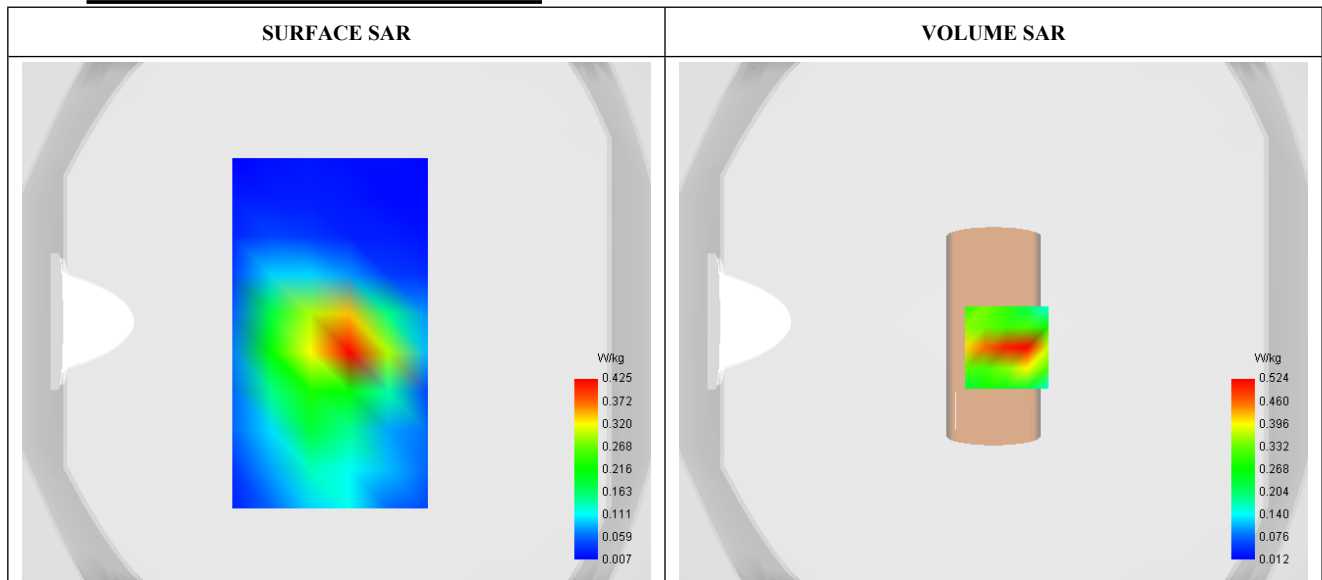
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.09
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 4
Channels/Frequency	Middle (20175)/ frequency 1732.500 Mhz

B. Permittivity

Middle TX Frequency (MHz)	1732.500
Relative permittivity (real part)	41.520
Relative permittivity (imaginary part)	14.000
Conductivity (S/m)	1.400

C. SAR Surface and Volume



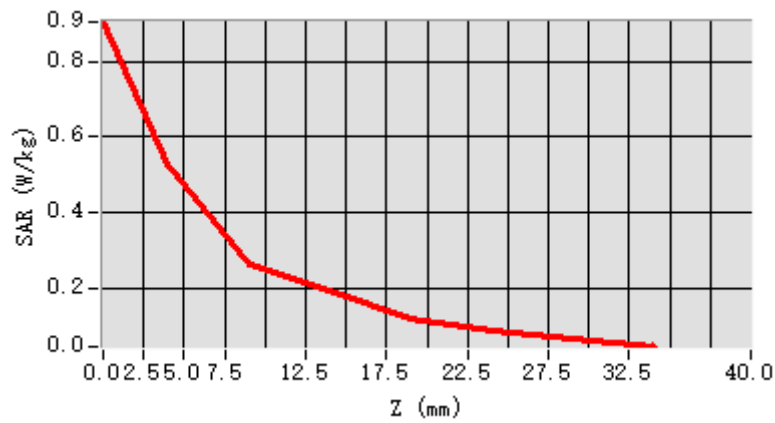
Maximum location: X=5.00, Y=-10.00 ; SAR Peak: 0.88 W/kg

D. SAR 1g & 10g

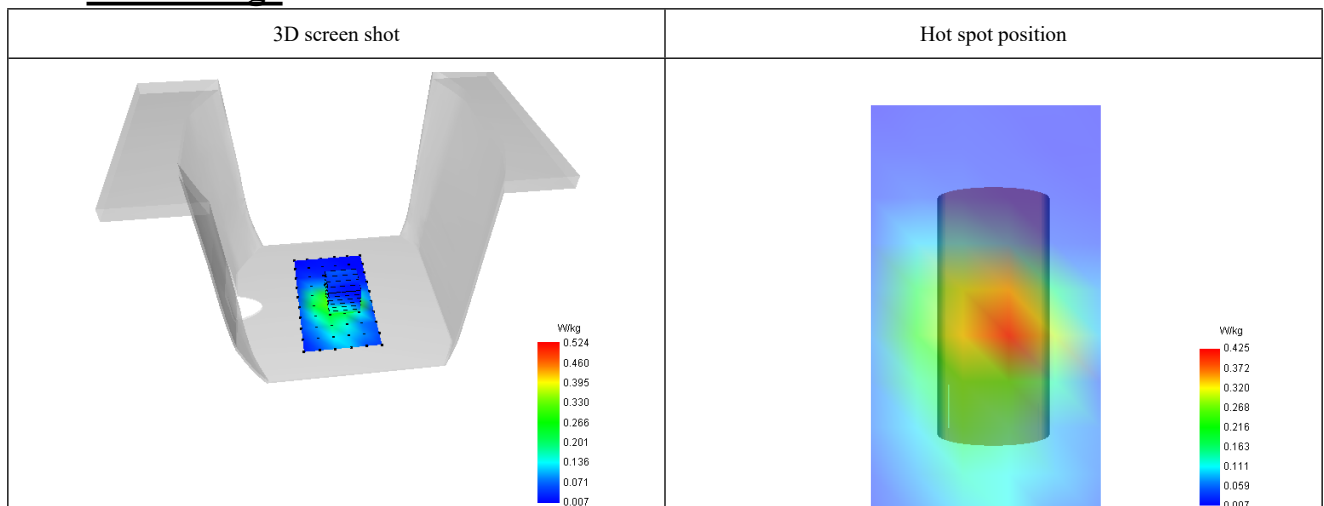
SAR 10g (W/Kg)	0.257
SAR 1g (W/Kg)	0.489
Variation (%)	3.500
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.904	0.524	0.262	0.191	0.119	0.085	0.064



F. 3D Image



#9

Date of measurement: 20/12/2025

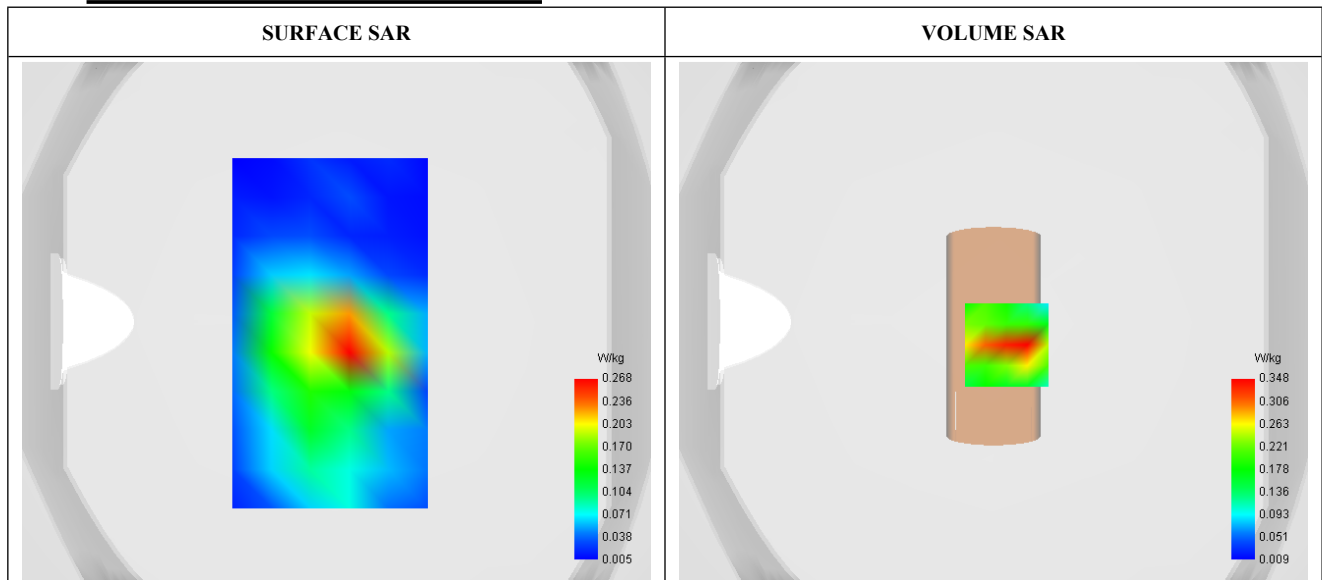
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.66
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 5
Channels/Frequency	Middle (20525)/ frequency 836.500 Mhz

B. Permittivity

Middle TX Frequency (MHz)	836.500
Relative permittivity (real part)	40.940
Relative permittivity (imaginary part)	19.300
Conductivity (S/m)	0.895

C. SAR Surface and Volume



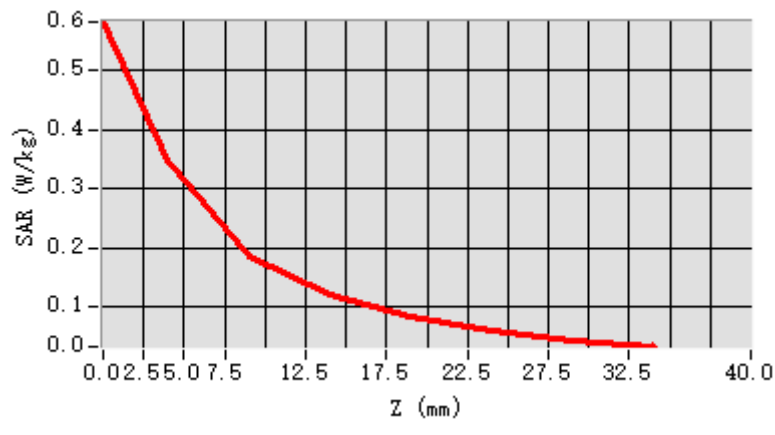
Maximum location: X=5.00, Y=-9.00 ; SAR Peak: 0.59 W/kg

D. SAR 1g & 10g

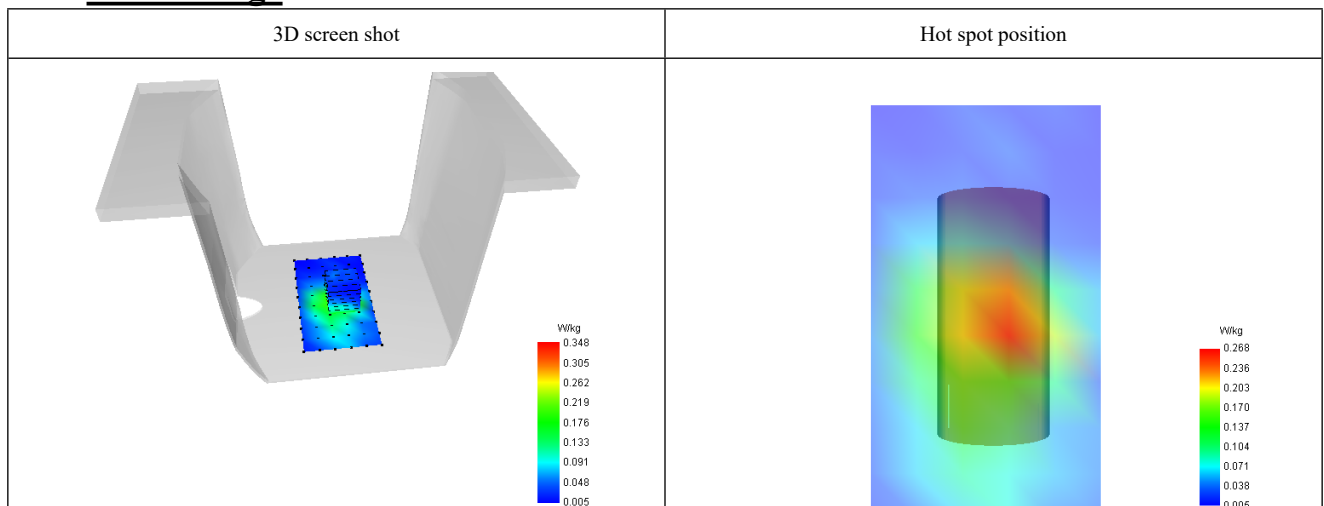
SAR 10g (W/Kg)	0.171
SAR 1g (W/Kg)	0.322
Variation (%)	1.320
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	53.160920

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.581	0.348	0.185	0.120	0.082	0.059	0.045



F. 3D Image



#10

Date of measurement: 25/12/2025

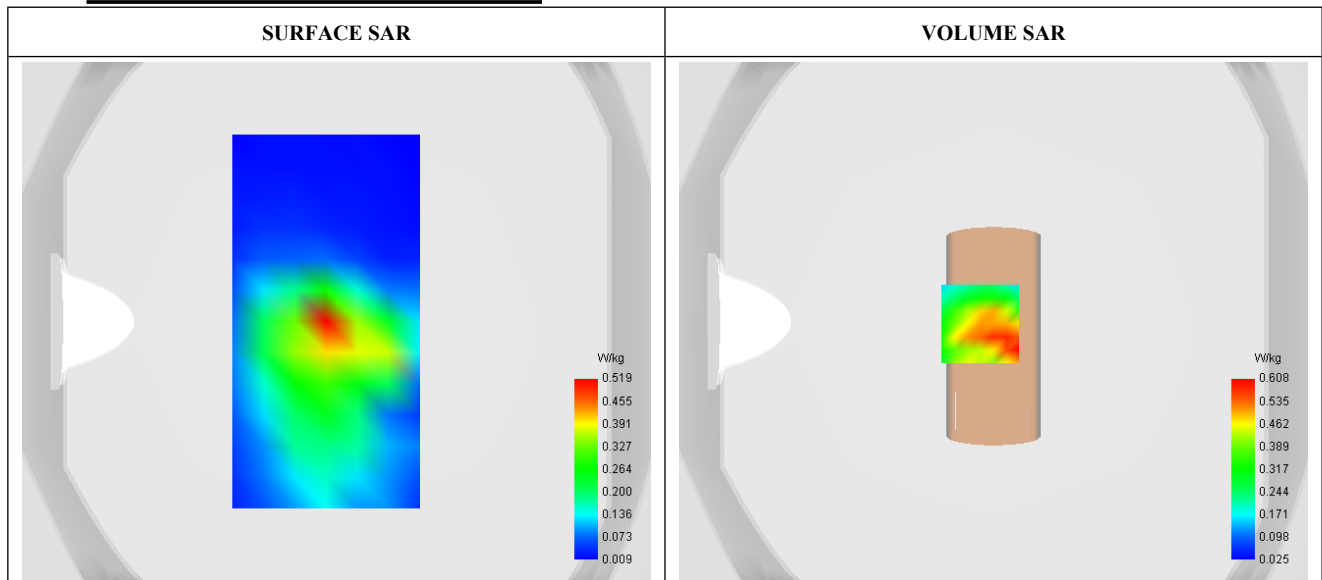
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.35
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 7
Channels/Frequency	Middle (21100)/ frequency 2535.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2535.000
Relative permittivity (real part)	39.000
Relative permittivity (imaginary part)	13.570
Conductivity (S/m)	1.960

C. SAR Surface and Volume



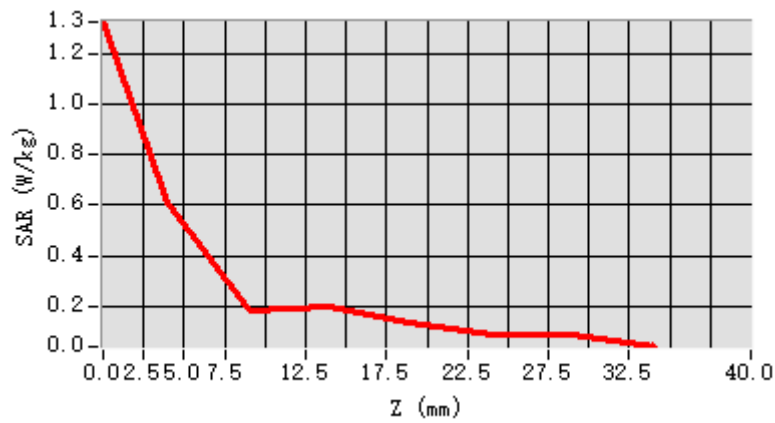
Maximum location: X=-5.00, Y=-1.00 ; SAR Peak: 1.02 W/kg

D. SAR 1g & 10g

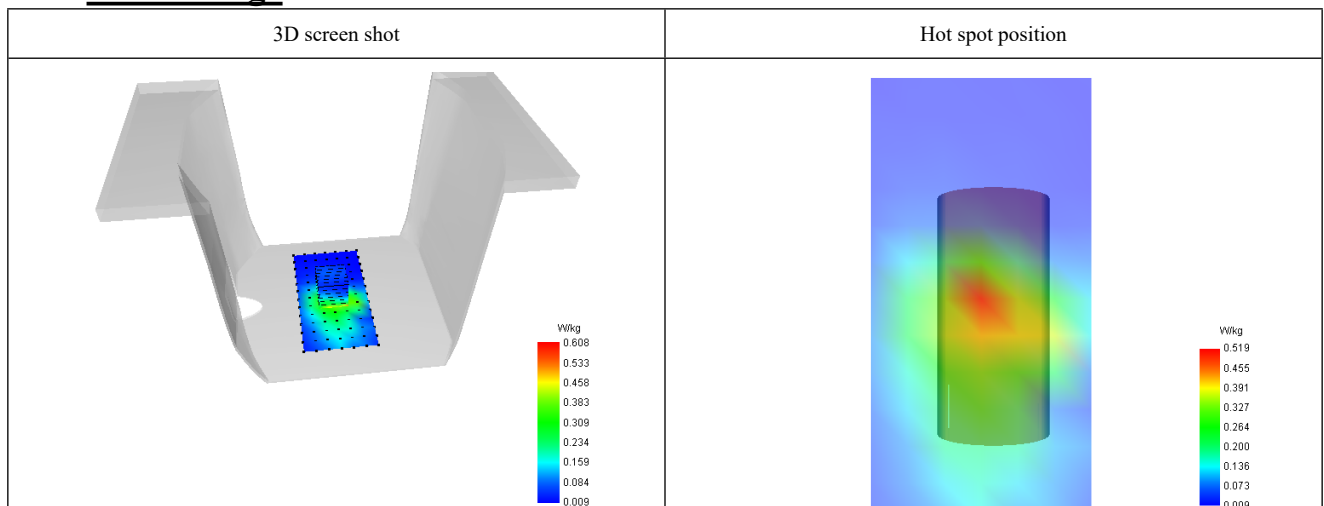
SAR 10g (W/Kg)	0.281
SAR 1g (W/Kg)	0.552
Variation (%)	2.280
Horizontal validation criteria: minimum distance (mm)	20.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	30.427632

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.328	0.608	0.185	0.199	0.135	0.086	0.083



F. 3D Image



#11

Date of measurement: 19/12/2025

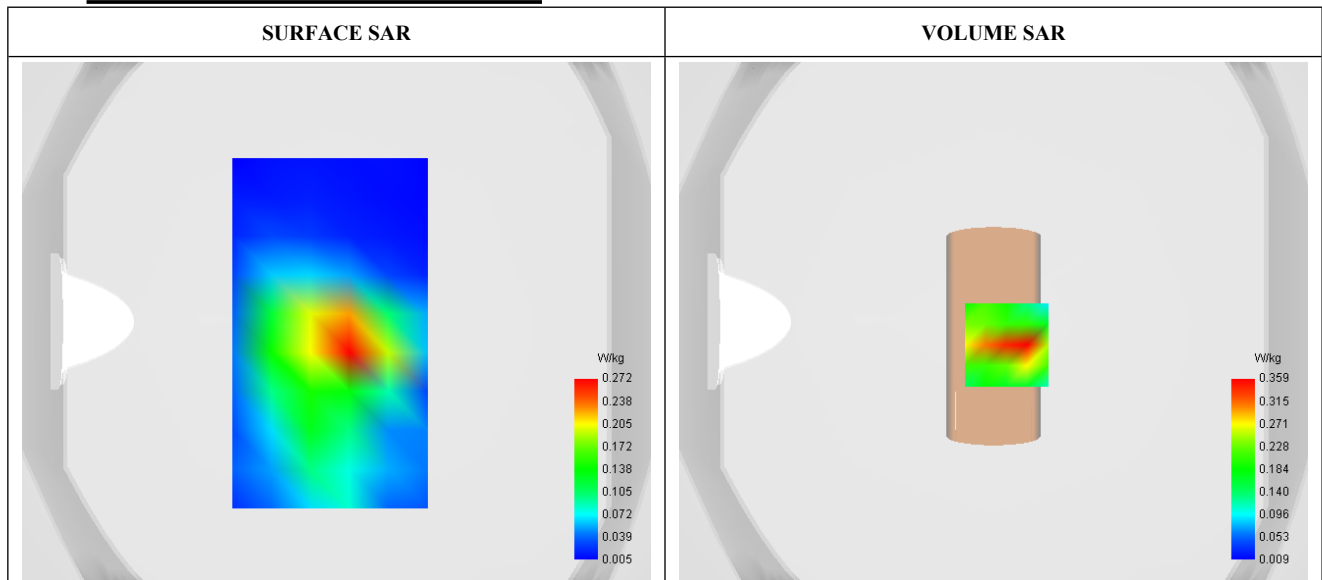
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.65
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 12
Channels/Frequency	Middle (23095)/ frequency 707.500 Mhz

B. Permittivity

Middle TX Frequency (MHz)	707.500
Relative permittivity (real part)	41.900
Relative permittivity (imaginary part)	21.360
Conductivity (S/m)	0.890

C. SAR Surface and Volume



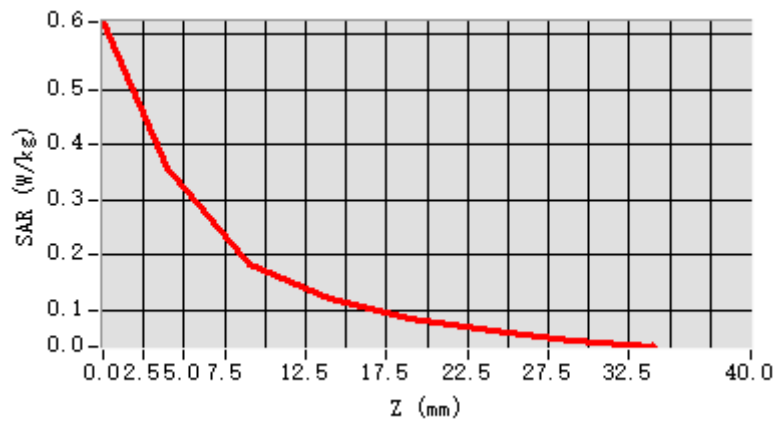
Maximum location: X=5.00, Y=-9.00 ; SAR Peak: 0.62 W/kg

D. SAR 1g & 10g

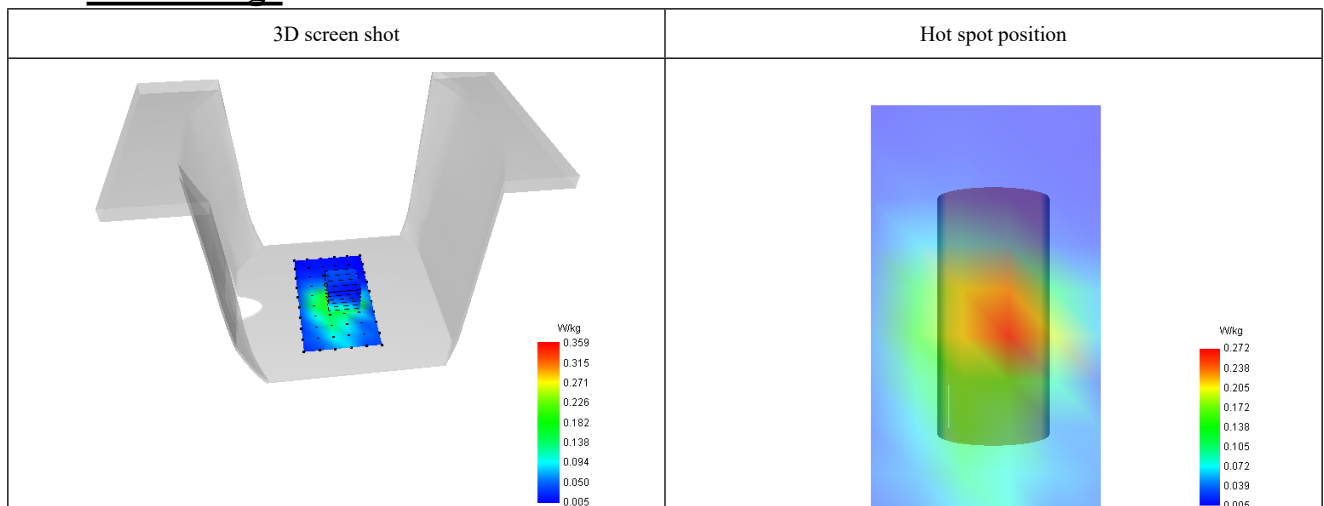
SAR 10g (W/Kg)	0.178
SAR 1g (W/Kg)	0.340
Variation (%)	2.090
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	50.974930

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.623	0.359	0.183	0.123	0.087	0.062	0.046



F. 3D Image



#12

Date of measurement: 19/12/2025

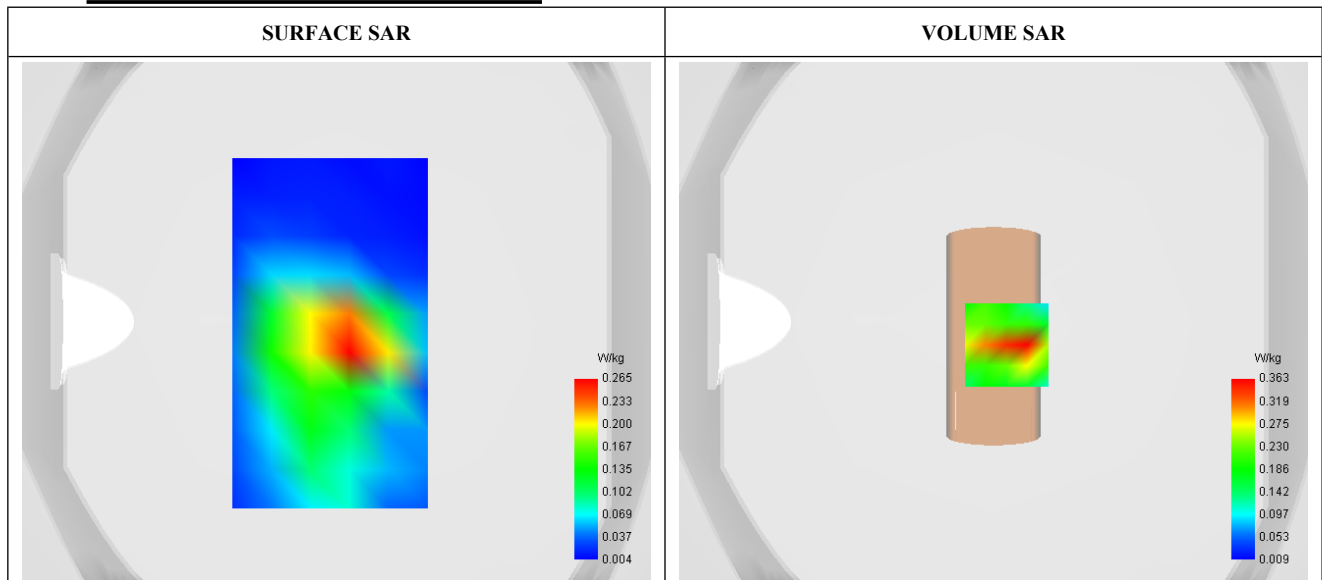
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.65
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 17
Channels/Frequency	Middle (23790)/ frequency 710.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	710.000
Relative permittivity (real part)	41.900
Relative permittivity (imaginary part)	21.360
Conductivity (S/m)	0.890

C. SAR Surface and Volume



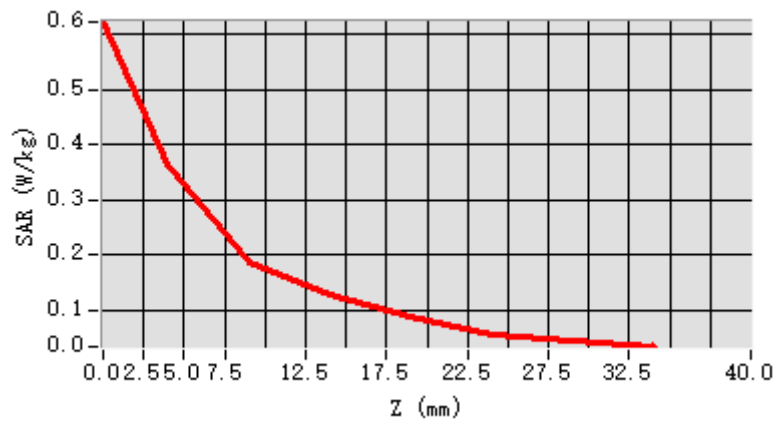
Maximum location: X=5.00, Y=-9.00 ; SAR Peak: 0.61 W/kg

D. SAR 1g & 10g

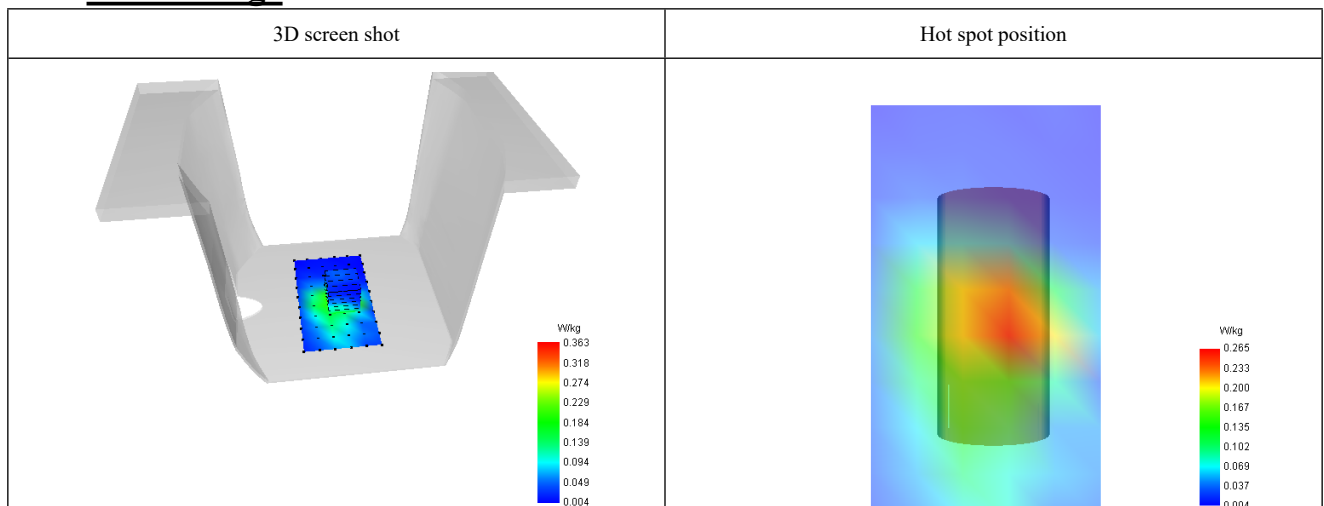
SAR 10g (W/Kg)	0.179
SAR 1g (W/Kg)	0.342
Variation (%)	1.520
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	51.515152

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.623	0.363	0.187	0.127	0.089	0.055	0.047



F. 3D Image



#13

Date of measurement: 22/12/2025

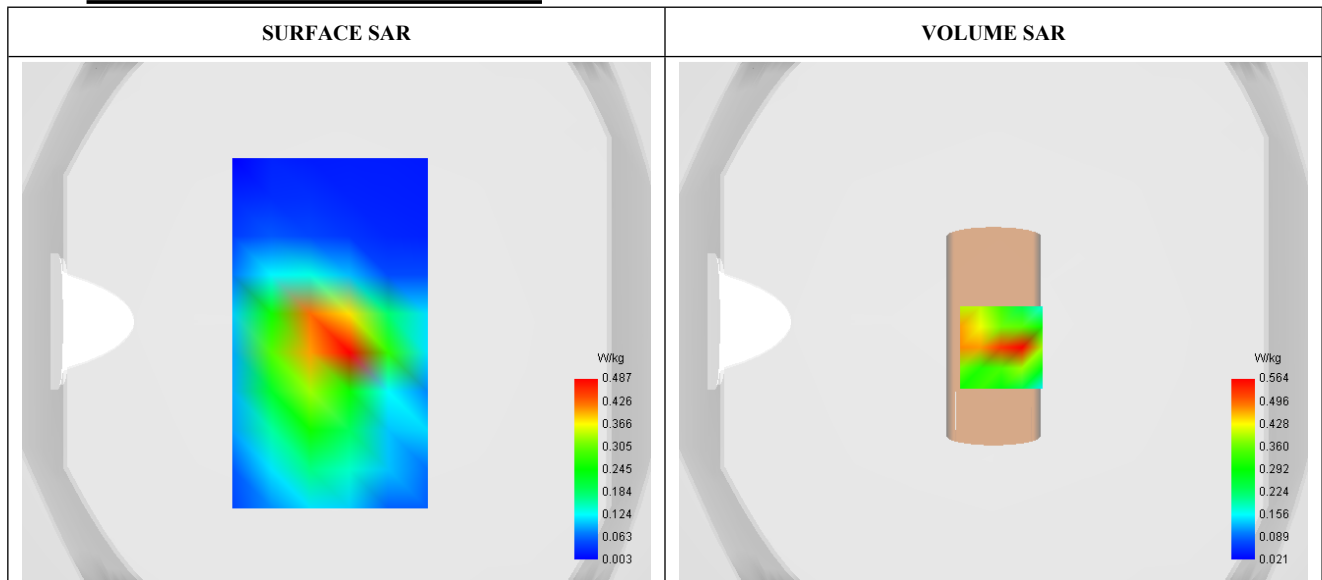
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.05
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 25
Channels/Frequency	Middle (26365)/ frequency 1882.500 Mhz

B. Permittivity

Middle TX Frequency (MHz)	1882.500
Relative permittivity (real part)	41.270
Relative permittivity (imaginary part)	12.500
Conductivity (S/m)	1.319

C. SAR Surface and Volume



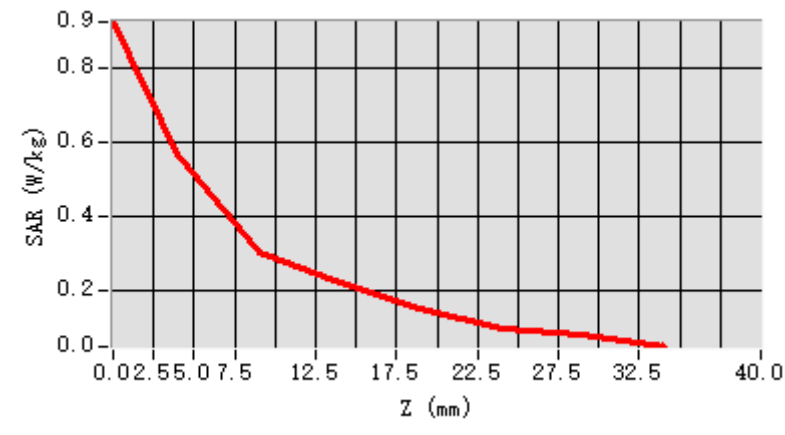
Maximum location: X=3.00, Y=-10.00 ; SAR Peak: 0.91 W/kg

D. SAR 1g & 10g

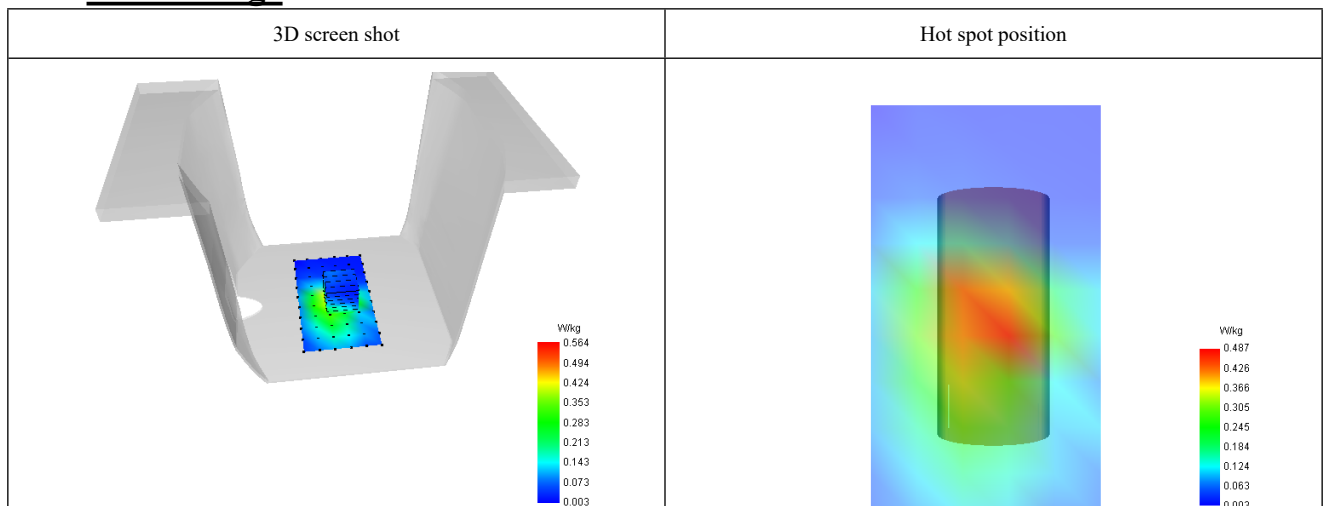
SAR 10g (W/Kg)	0.266
SAR 1g (W/Kg)	0.511
Variation (%)	-2.350
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	53.900709

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.922	0.564	0.304	0.221	0.149	0.100	0.083



F. 3D Image



#14

Date of measurement: 20/12/2025

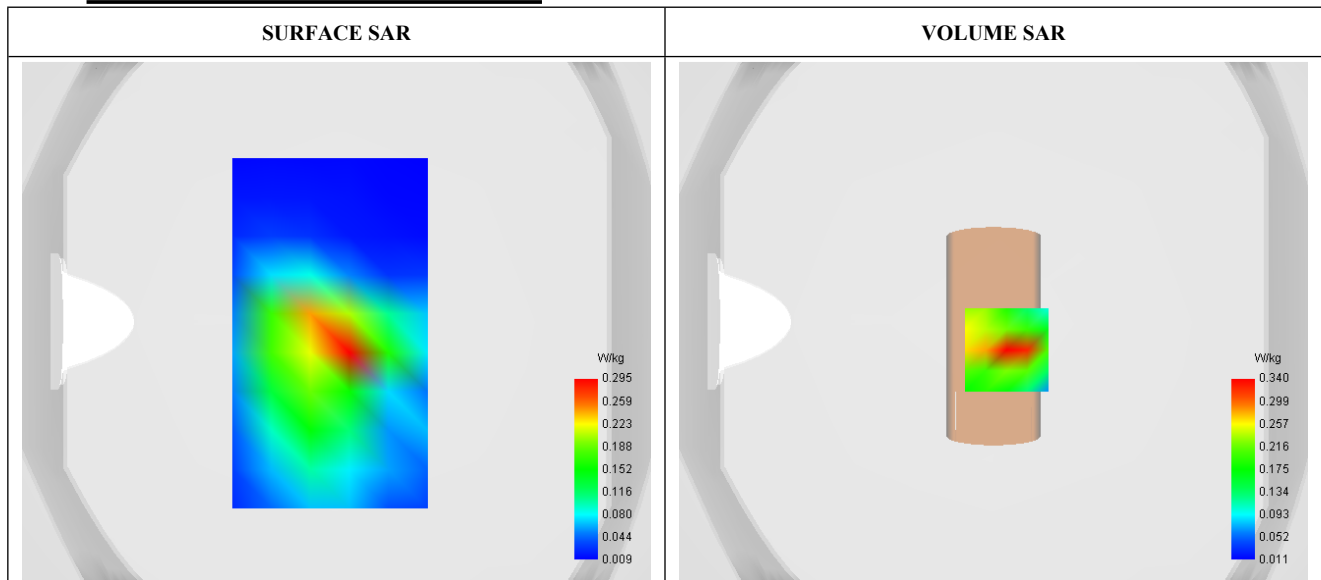
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	1.66
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 26
Channels/Frequency	Middle (26865)/ frequency 831.500 Mhz

B. Permittivity

Middle TX Frequency (MHz)	831.500
Relative permittivity (real part)	40.940
Relative permittivity (imaginary part)	19.300
Conductivity (S/m)	0.895

C. SAR Surface and Volume



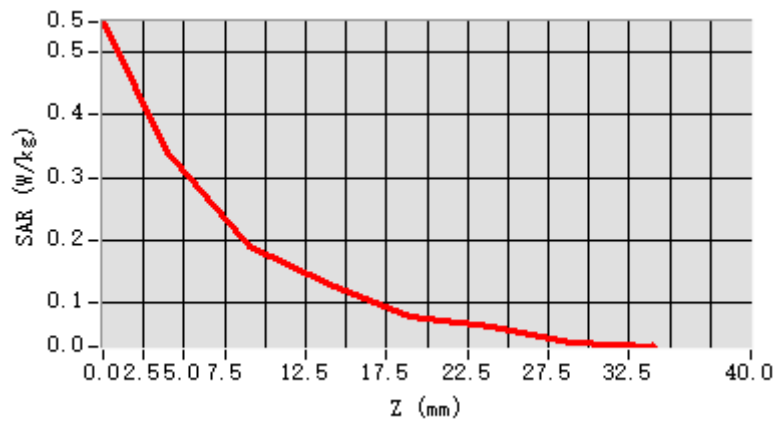
Maximum location: X=5.00, Y=-11.00 ; SAR Peak: 0.59 W/kg

D. SAR 1g & 10g

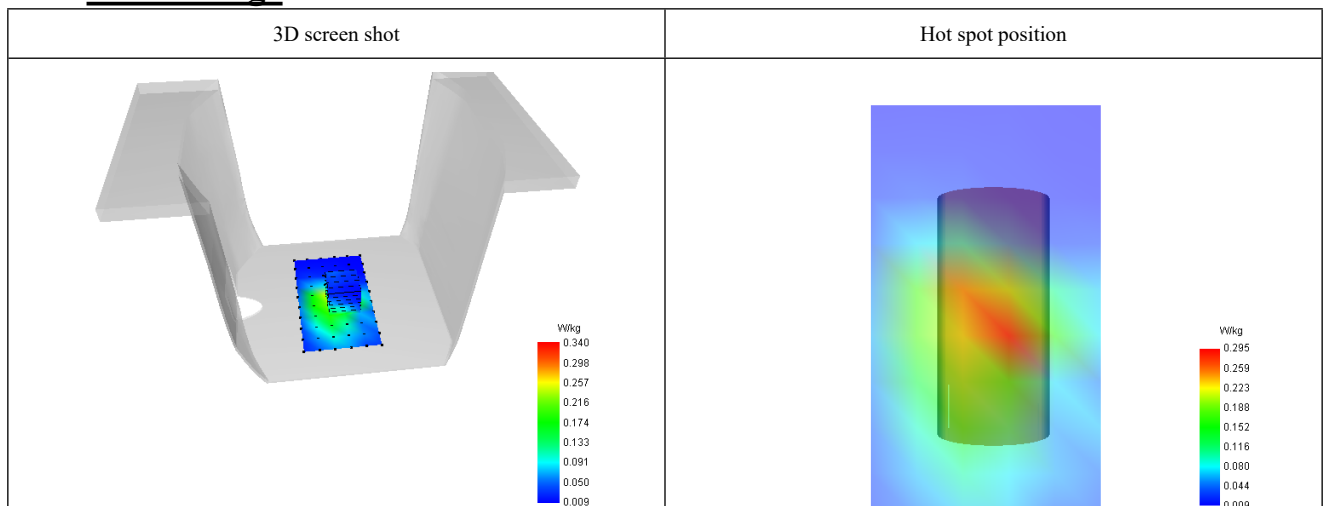
SAR 10g (W/Kg)	0.157
SAR 1g (W/Kg)	0.317
Variation (%)	-0.730
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	55.588235

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.549	0.340	0.189	0.131	0.079	0.061	0.037



F. 3D Image



#15

Date of measurement: 23/12/2025

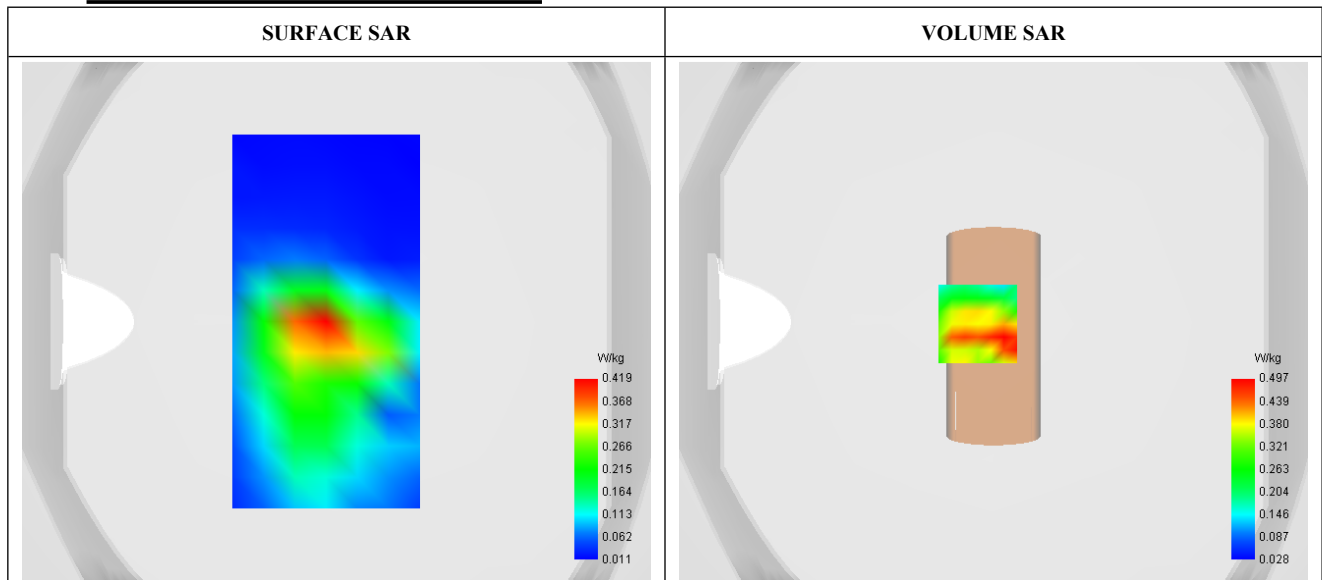
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.55
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 30
Channels/Frequency	Middle (27710)/ frequency 2310.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2310.000
Relative permittivity (real part)	39.500
Relative permittivity (imaginary part)	13.070
Conductivity (S/m)	1.670

C. SAR Surface and Volume



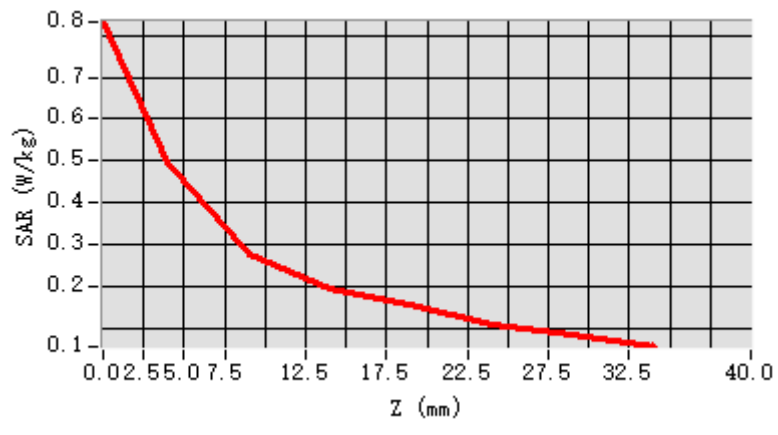
Maximum location: X=-6.00, Y=-1.00 ; SAR Peak: 0.81 W/kg

D. SAR 1g & 10g

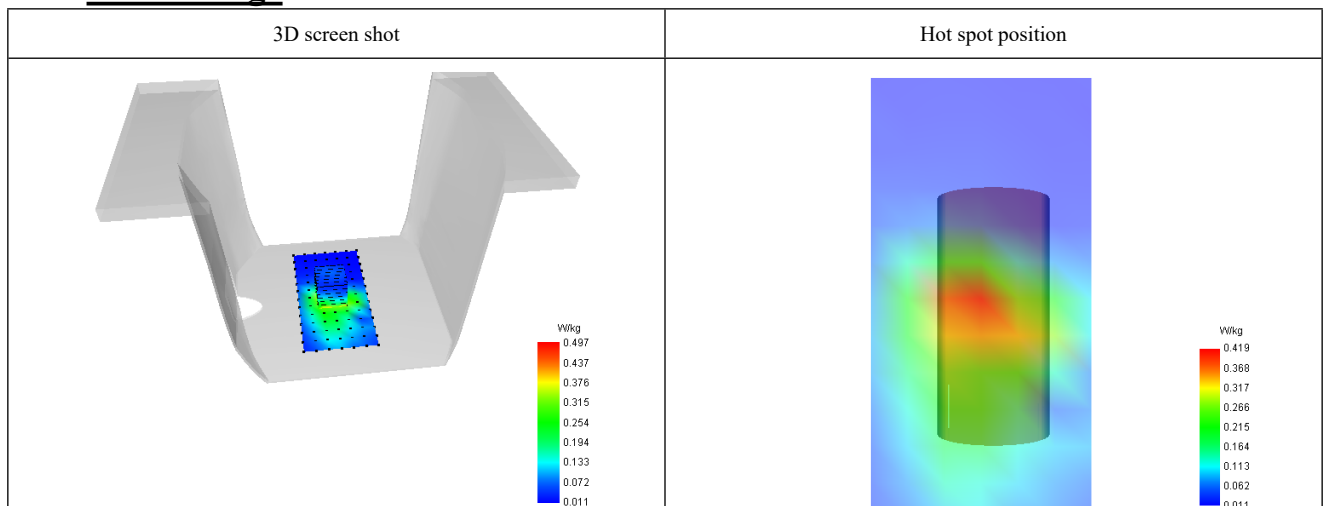
SAR 10g (W/Kg)	0.234
SAR 1g (W/Kg)	0.461
Variation (%)	1.370
Horizontal validation criteria: minimum distance (mm)	15.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.533199

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.832	0.497	0.276	0.195	0.154	0.107	0.085



F. 3D Image



#16

Date of measurement: 25/12/2025

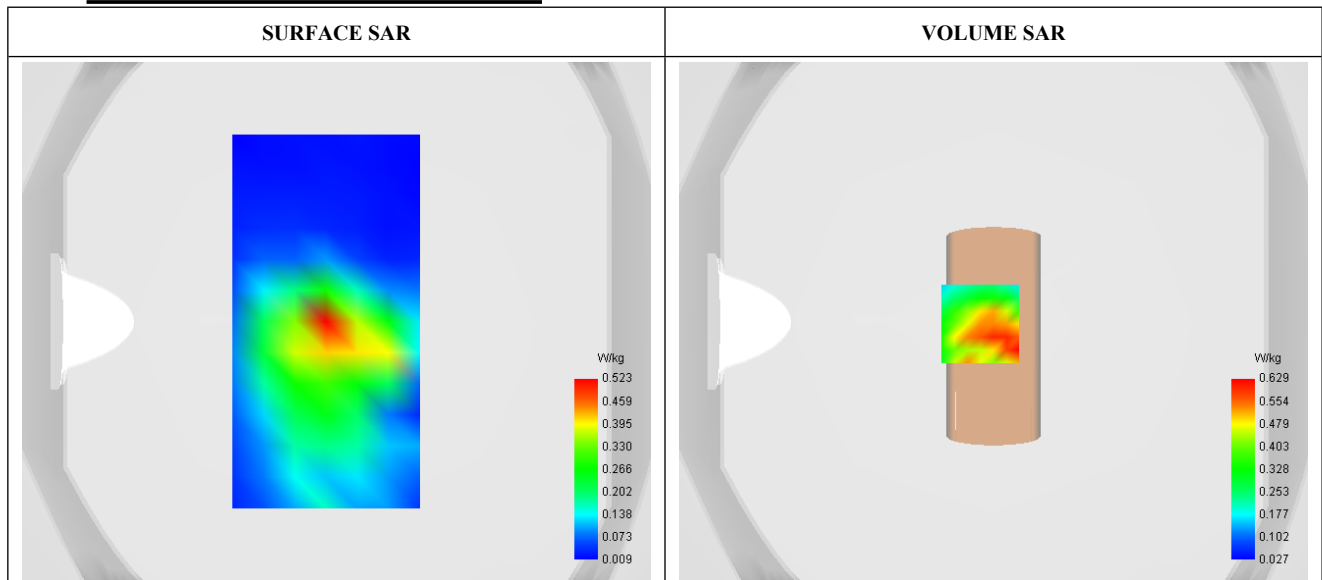
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.35
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 41
Channels/Frequency	Middle (40620)/ frequency 2593.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2593.000
Relative permittivity (real part)	39.000
Relative permittivity (imaginary part)	13.570
Conductivity (S/m)	1.960

C. SAR Surface and Volume



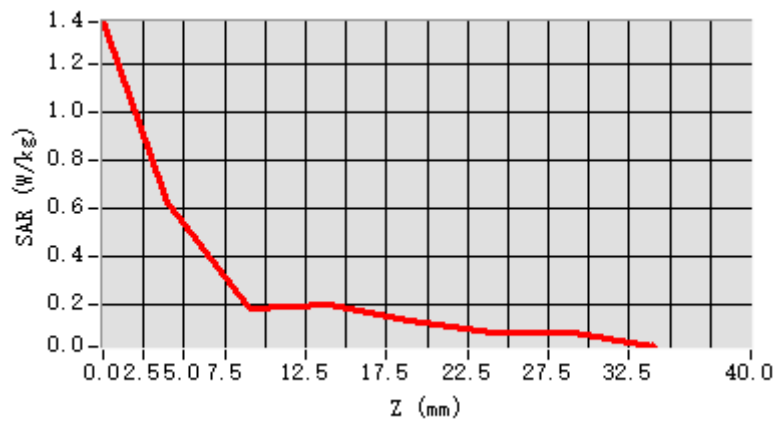
Maximum location: X=-5.00, Y=-1.00 ; SAR Peak: 1.12 W/kg

D. SAR 1g & 10g

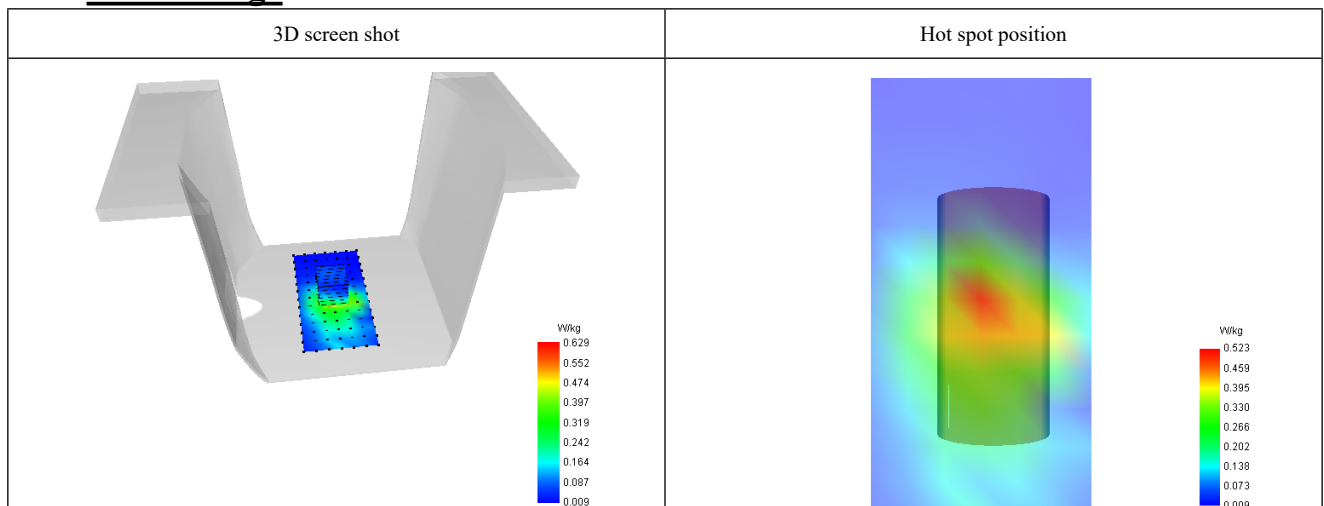
SAR 10g (W/Kg)	0.317
SAR 1g (W/Kg)	0.568
Variation (%)	3.240
Horizontal validation criteria: minimum distance (mm)	20.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	31.478537

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.376	0.629	0.198	0.203	0.138	0.089	0.084



F. 3D Image



#17

Date of measurement: 21/12/2025

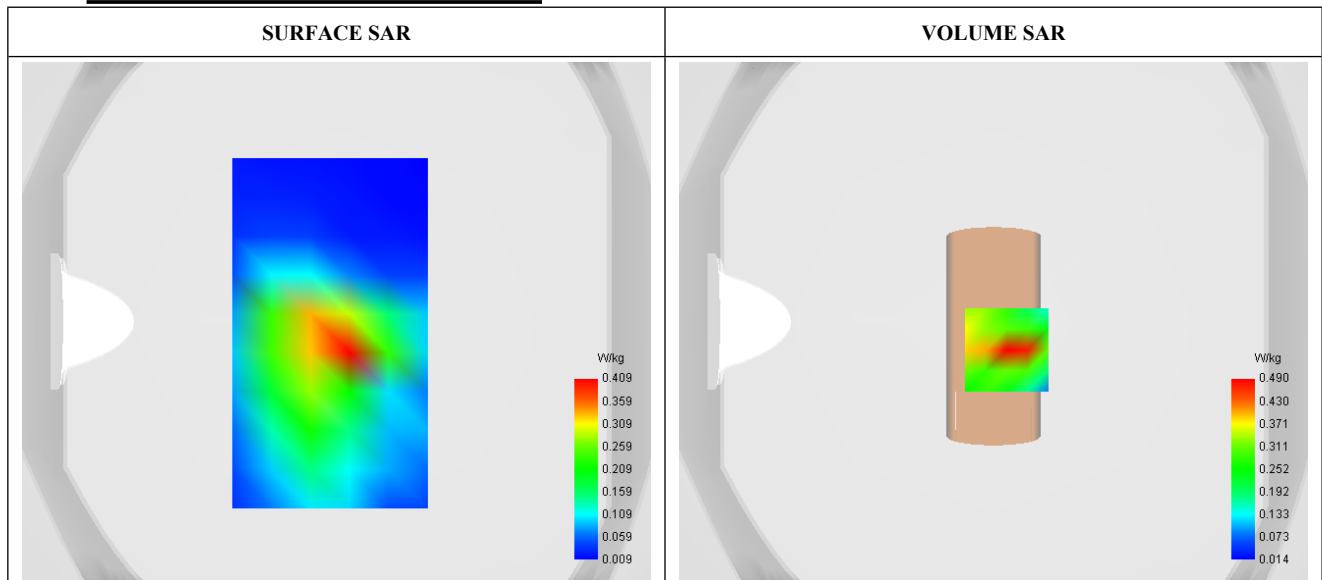
A. Experimental conditions.

Probe	0523-EPGO-403
ConvF	2.09
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 66
Channels/Frequency	Middle (132322)/ frequency 1745.000 Mhz

B. Permittivity

Middle TX Frequency (MHz)	1745.000
Relative permittivity (real part)	41.520
Relative permittivity (imaginary part)	14.000
Conductivity (S/m)	1.400

C. SAR Surface and Volume



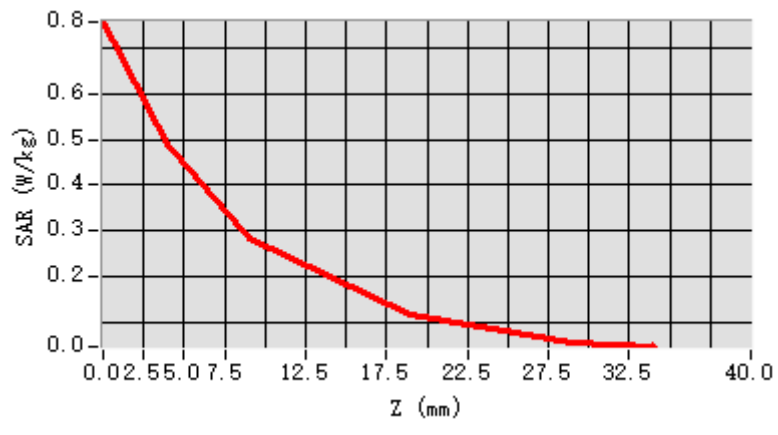
Maximum location: X=5.00, Y=-11.00 ; SAR Peak: 0.86 W/kg

D. SAR 1g & 10g

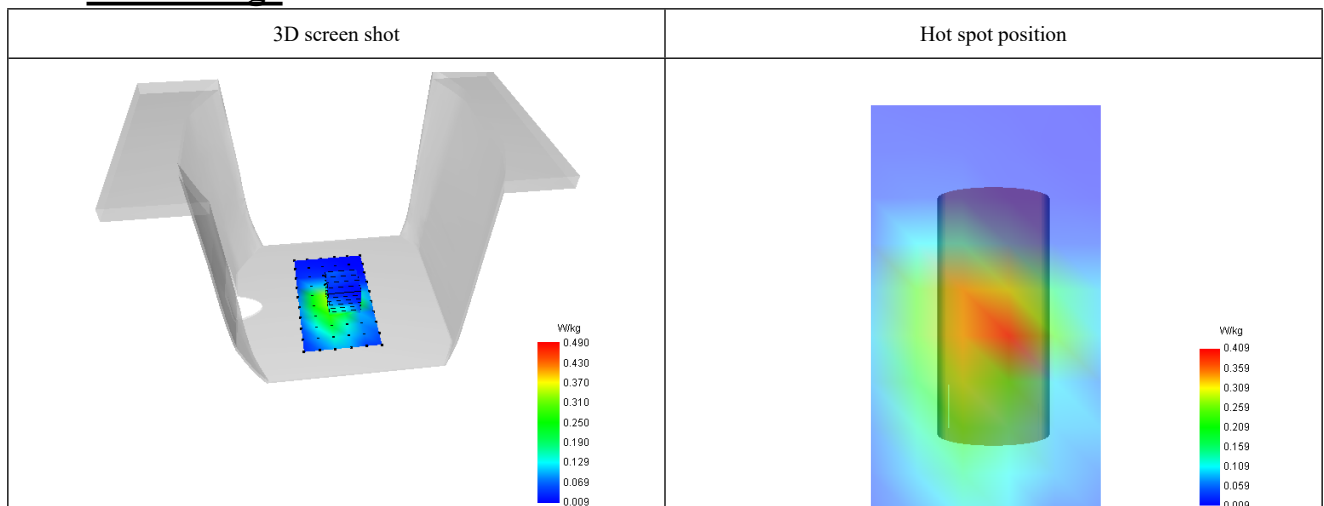
SAR 10g (W/Kg)	0.233
SAR 1g (W/Kg)	0.455
Variation (%)	4.740
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	57.755102

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.757	0.490	0.283	0.199	0.116	0.084	0.054



F. 3D Image



Appendix D. Calibration Certificate

Table of contents
E Field Probe - EPGO0523-403
750 MHz Dipole - SN 03/15 DIP 0G750-355
835 MHz Dipole - SN 03/15 DIP 0G835-347
1800 MHz Dipole - SN 03/15 DIP 1G800-349
1900 MHz Dipole - SN 03/15 DIP 1G900-350
2300 MHz Dipole - SN 03/16 DIP 2G300-358
2450 MHz Dipole - SN 03/15 DIP 2G450-352
2600 MHz Dipole - SN 03/15 DIP 2G600-356
5000-6000 MHz Dipole - SN 03/14 WGA33



COMOSAR E-Field Probe Calibration Report

Ref : ACR.307.3.25.BES.A

**GUANGDONG ASIA HONGKE TEST
TECHNOLOGY CO., LTD**
NO.1/F,BUILDING B1, JUNFENG INDUSTRIAL PARK,
CHONGQING ROAD, HEPING COMMUNITY,
FUHAIHAI STREET, BAO'AN DISTRICT,SHENZHEN,
GUANGDONG 518055, P.R.CHINA
MVG COMOSAR DOSIMETRIC E-FIELD PROBE
SERIAL NO.: SN 39/21 EPG00523-403

Calibrated at MVG
Z.I. de la pointe du diable
Technopôle Brest Iroise – 295 avenue Alexis de Rochon
29280 PLOUZANE - FRANCE

Calibration date: 09/09/2025



Accreditations #2-6789
Scope available on www.cofrac.fr

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Summary:

This document presents the method and results from an accredited COMOSAR E-Field Probe calibration performed at MVG, using the CALIPROBE test bench, for use with a MVG COMOSAR system only. The test results covered by accreditation are traceable to the International System of Units (SI).



COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.307.3.24.BES.A

	<i>Name</i>	<i>Function</i>	<i>Date</i>	<i>Signature</i>
<i>Prepared by :</i>	Jérôme Le Gall	Measurement Responsible	09/08/2025	
<i>Checked by :</i>	Jérôme Luc	Technical Manager	09/08/2025	
<i>Approved by :</i>	Yann Toutain	Laboratory Director	09/09/2025	

	<i>Customer Name</i>
<i>Distribution :</i>	Shenzhen Asia Hongke

<i>Issue</i>	<i>Name</i>	<i>Date</i>	<i>Modifications</i>
A	Jérôme Luc	9/09/2025	Initial release