

10.2. Simultaneous Transmission Analysis

Per KDB 447498 D01, simultaneous transmission SAR is compliant if,

- 1) Scalar SAR summation $< 1.6\text{W/kg}$.
- 2) $\text{SPLSR} = (\text{SAR}_1 + \text{SAR}_2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the zoom scan. If $\text{SPLSR} \leq 0.04$, simultaneously transmission SAR measurement is not necessary.

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WWAN	DTS			
Head	Left Cheek	0.745	0.140	0.885	N/A	N/A
	Left Tilt 15 Degree	0.43	0.077	0.507	N/A	N/A
	Right Cheek	0.831	0.122	0.953	N/A	N/A
	Right Tilt 15 Degree	0.428	0.060	0.488	N/A	N/A
Body-Worn	Front Side	0.493	0.012	0.505	N/A	N/A
	Back Side	0.78	0.087	0.867	N/A	N/A
Hotspot	Front Side	0.493	0.012	0.505	N/A	N/A
	Back Side	0.78	0.087	0.867	N/A	N/A
	Left Side	0.509	N/A	0.509	N/A	N/A
	Right Side	0.087	0.013	0.100	N/A	N/A
	Top Side	0.501	0.089	0.590	N/A	N/A
	Bottom Side	0.104	N/A	0.104	N/A	N/A

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WWAN	NII			
Head	Left Cheek	0.745	0.43	1.175	N/A	N/A
	Left Tilt 15 Degree	0.43	0.238	0.668	N/A	N/A
	Right Cheek	0.831	0.379	1.21	N/A	N/A
	Right Tilt 15 Degree	0.428	0.179	0.607	N/A	N/A

Body-Worn	Front Side	0.493	0.031	0.524	N/A	N/A
	Back Side	0.78	0.223	1.003	N/A	N/A
Hotspot	Front Side	0.493	0.031	0.524	N/A	N/A
	Back Side	0.78	0.223	1.003	N/A	N/A
	Left Side	0.509	N/A	0.509	N/A	N/A
	Right Side	0.087	0.031	0.118	N/A	N/A
	Top Side	0.501	0.264	0.765	N/A	N/A
	Bottom Side	0.104	N/A	N/A	N/A	N/A

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WWAN	DSS			
Head	Left Cheek	0.745	0.133	0.878	N/A	N/A
	Left Tilt 15 Degree	0.43	0.133	0.563	N/A	N/A
	Right Cheek	0.831	0.133	0.964	N/A	N/A
	Right Tilt 15 Degree	0.428	0.133	0.561	N/A	N/A
Body-Worn	Front Side	0.493	0.066	0.559	N/A	N/A
	Back Side	0.78	0.066	0.846	N/A	N/A
Hotspot	Front Side	0.493	0.066	0.559	N/A	N/A
	Back Side	0.78	0.066	0.846	N/A	N/A
	Left Side	0.509	N/A	0.509	N/A	N/A
	Right Side	0.087	0.066	0.153	N/A	N/A
	Top Side	0.501	0.066	0.567	N/A	N/A
	Bottom Side	0.104	N/A	0.104	N/A	N/A

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		NSA N78+B5	DTS			
Head	Left Cheek	0.516	0.140	0.656	N/A	N/A
	Left Tilt 15 Degree	0.280	0.077	0.357	N/A	N/A
	Right Cheek	0.469	0.122	0.591	N/A	N/A
	Right Tilt 15 Degree	0.237	0.060	0.297	N/A	N/A
Body-Worn	Front Side	0.371	0.012	0.383	N/A	N/A
	Back Side	0.731	0.087	0.818	N/A	N/A
Hotspot	Front Side	0.371	0.012	0.383	N/A	N/A
	Back Side	0.731	0.087	0.818	N/A	N/A
	Left Side	0.488	N/A	0.484	N/A	N/A
	Right Side	0.044	0.013	0.057	N/A	N/A
	Top Side	0.341	0.089	0.430	N/A	N/A
	Bottom Side	0.050	N/A	0.050	N/A	N/A

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		NSA N78+B5	NII			
Head	Left Cheek	0.516	0.43	0.946	N/A	N/A
	Left Tilt 15 Degree	0.28	0.238	0.518	N/A	N/A
	Right Cheek	0.469	0.379	0.848	N/A	N/A
	Right Tilt 15 Degree	0.237	0.179	0.416	N/A	N/A
Body-Worn	Front Side	0.371	0.031	0.402	N/A	N/A
	Back Side	0.731	0.223	0.954	N/A	N/A
Hotspot	Front Side	0.371	0.031	0.402	N/A	N/A
	Back Side	0.731	0.223	0.954	N/A	N/A
	Left Side	0.488	N/A	0.484	N/A	N/A
	Right Side	0.044	0.031	0.075	N/A	N/A

	Top Side	0.341	0.264	0.605	N/A	N/A
	Bottom Side	0.05	N/A	0.05	N/A	N/A

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		NSA N78+B5	DSS			
Head	Left Cheek	0.516	0.133	0.649	N/A	N/A
	Left Tilt 15 Degree	0.28	0.133	0.413	N/A	N/A
	Right Cheek	0.469	0.133	0.602	N/A	N/A
	Right Tilt 15 Degree	0.237	0.133	0.37	N/A	N/A
Body-Worn	Front Side	0.371	0.066	0.437	N/A	N/A
	Back Side	0.731	0.066	0.797	N/A	N/A
Hotspot	Front Side	0.371	0.066	0.437	N/A	N/A
	Back Side	0.731	0.066	0.797	N/A	N/A
	Left Side	0.488	N/A	0.484	N/A	N/A
	Right Side	0.044	0.066	0.11	N/A	N/A
	Top Side	0.341	0.066	0.407	N/A	N/A
	Bottom Side	0.05	N/A	0.05	N/A	N/A

11. Appendix A. Photo documentation

Refer to appendix Test Setup photo---SAR

12. Appendix B. System Check Plots

Table of contents
MEASUREMENT 1 System Performance Check - 750MHz
MEASUREMENT 2 System Performance Check - 835MHz
MEASUREMENT 3 System Performance Check - 1800MHz
MEASUREMENT 4 System Performance Check - 1900MHz
MEASUREMENT 5 System Performance Check - 2450MHz
MEASUREMENT 6 System Performance Check - 2600MHz
MEASUREMENT 7 System Performance Check - 3500MHz
MEASUREMENT 8 System Performance Check - 5200MHz
MEASUREMENT 9 System Performance Check - 5800MHz

1# System check at 750 MHz
Date of measurement: 19/6/2026

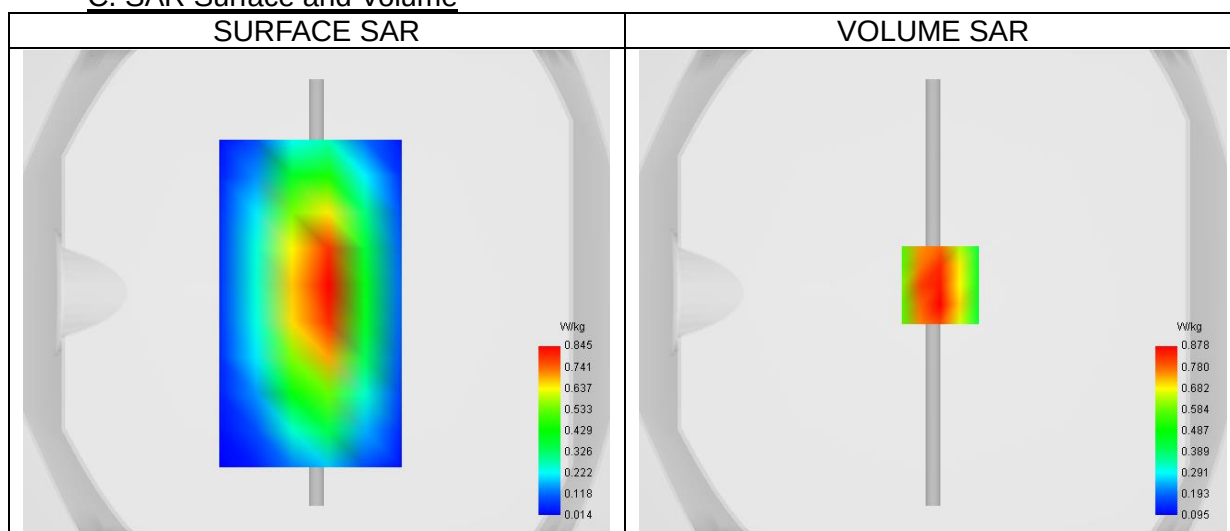
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.37
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	750.00
Relative permittivity (real part)	40.79
Relative permittivity (imaginary part)	21.26
Conductivity (S/m)	0.89

C. SAR Surface and Volume



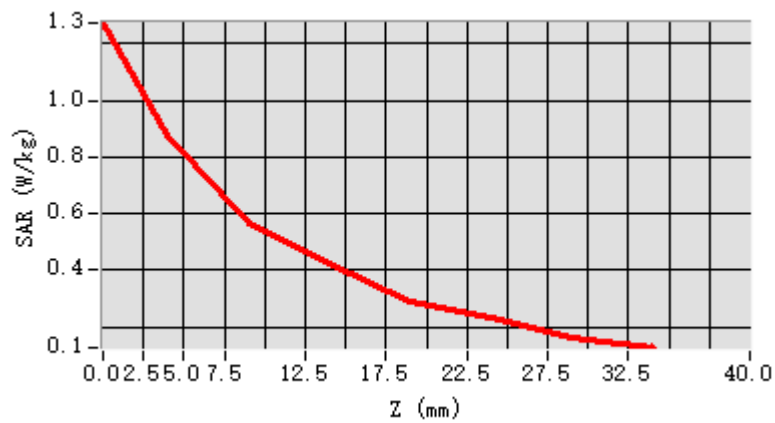
Maximum location: X=3.00, Y=3.00 ; SAR Peak: 1.22 W/kg

D. SAR 1g & 10g

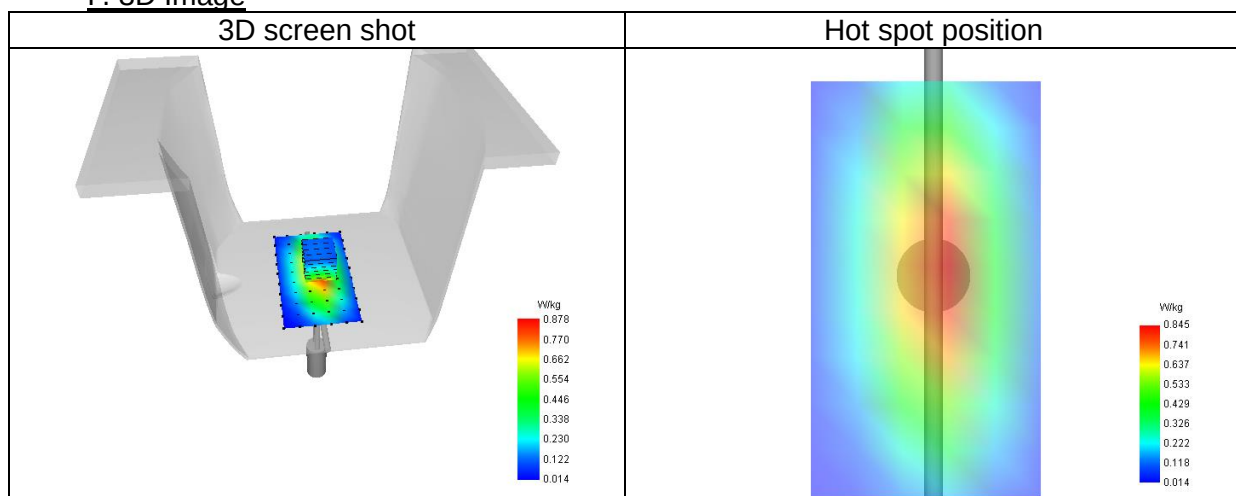
SAR 10g (W/Kg)	0.556
SAR 1g (W/Kg)	0.856
Variation (%)	2.11
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	69.55

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.272	0.878	0.568	0.422	0.292	0.232	0.164



F. 3D Image



2# System check at 835 MHz
Date of measurement: 20/6/2026

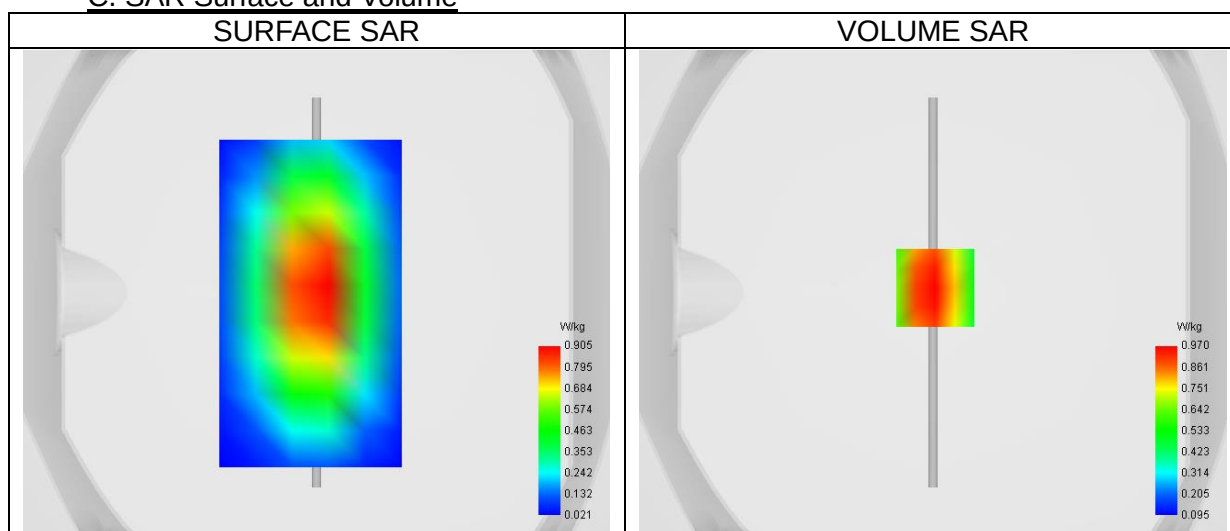
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	835.00
Relative permittivity (real part)	43.03
Relative permittivity (imaginary part)	20.17
Conductivity (S/m)	0.94

C. SAR Surface and Volume



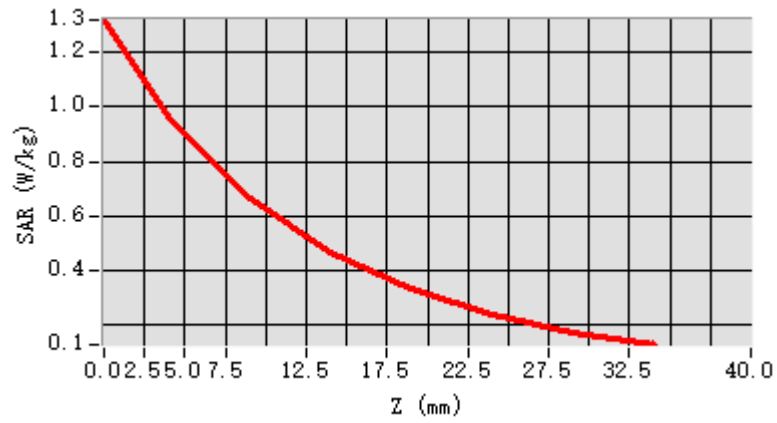
Maximum location: X=1.00, Y=2.00 ; SAR Peak: 1.33 W/kg

D. SAR 1g & 10g

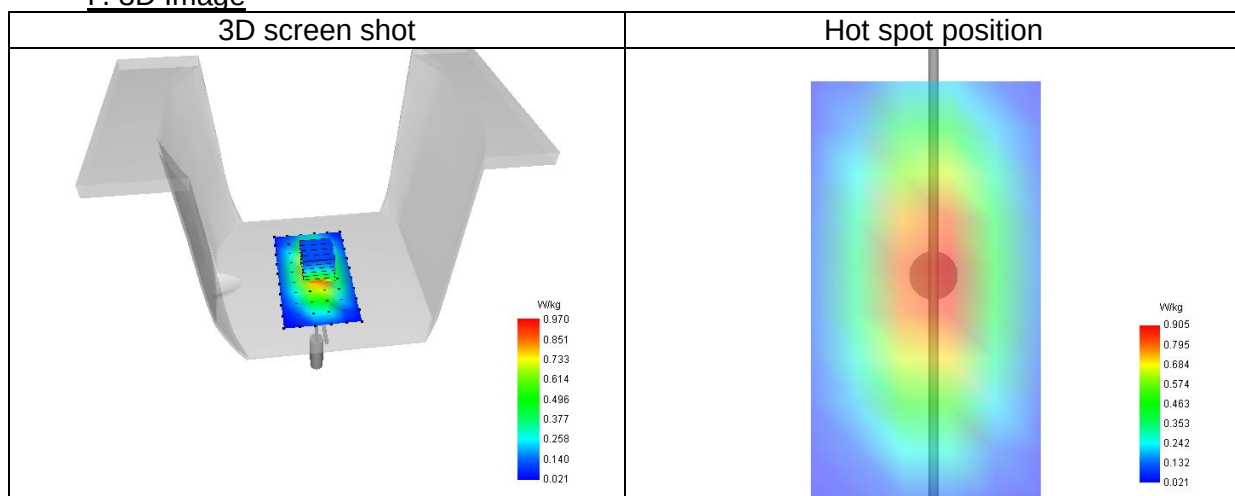
SAR 10g (W/Kg)	0.611
SAR 1g (W/Kg)	0.937
Variation (%)	0.12
Horizontal validation criteria: minimum distance (mm)	22.63
Vertical validation criteria: SAR ratio M2/M1 (%)	68.43

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.321	0.970	0.664	0.465	0.330	0.235	0.170



F. 3D Image



3# System check at 1800 MHz
Date of measurement: 21/6/2026

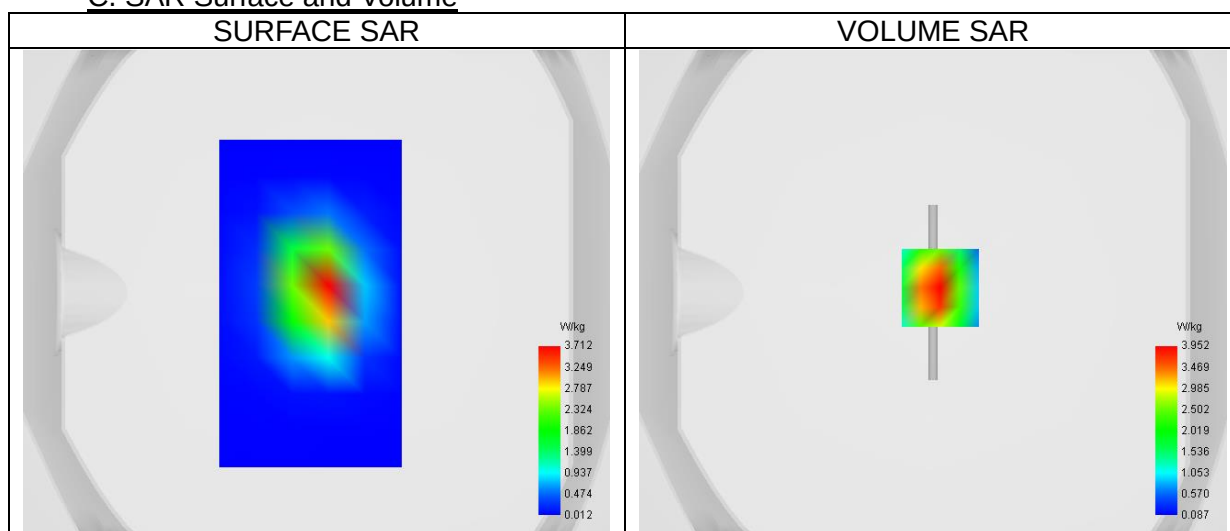
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.45
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	1800.00
Relative permittivity (real part)	40.55
Relative permittivity (imaginary part)	14.19
Conductivity (S/m)	1.42

C. SAR Surface and Volume



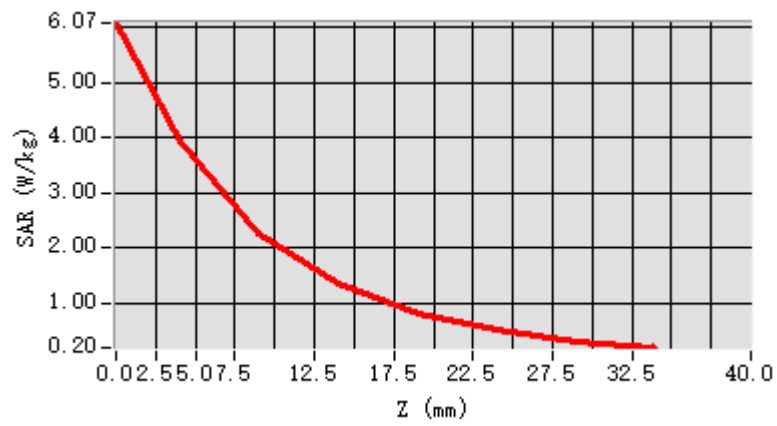
Maximum location: X=3.00, Y=2.00 ; SAR Peak: 6.19 W/kg

D. SAR 1g & 10g

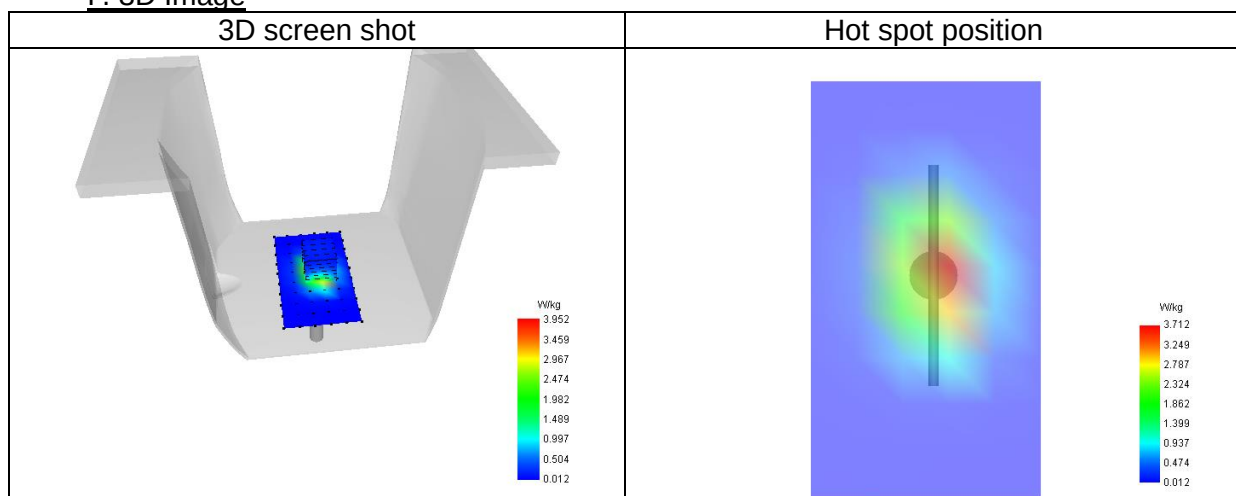
SAR 10g (W/Kg)	1.996
SAR 1g (W/Kg)	3.779
Variation (%)	-0.21
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	57.62

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.075	3.952	2.277	1.362	0.824	0.507	0.314



F. 3D Image



4# System check at 1900 MHz
 Date of measurement: 23/6/2026

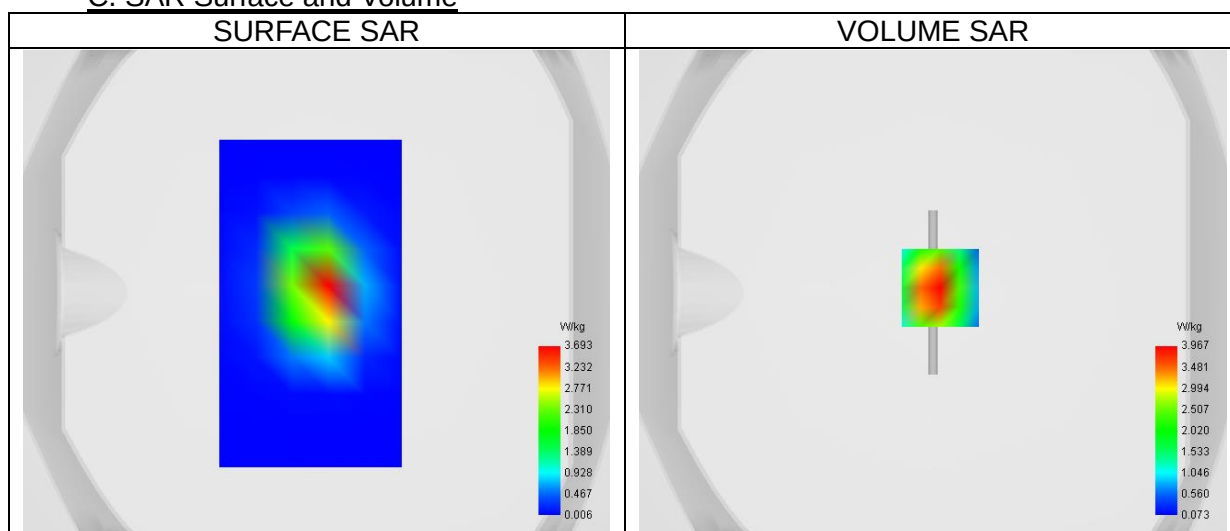
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.63
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	1900.00
Relative permittivity (real part)	39.29
Relative permittivity (imaginary part)	13.64
Conductivity (S/m)	1.44

C. SAR Surface and Volume



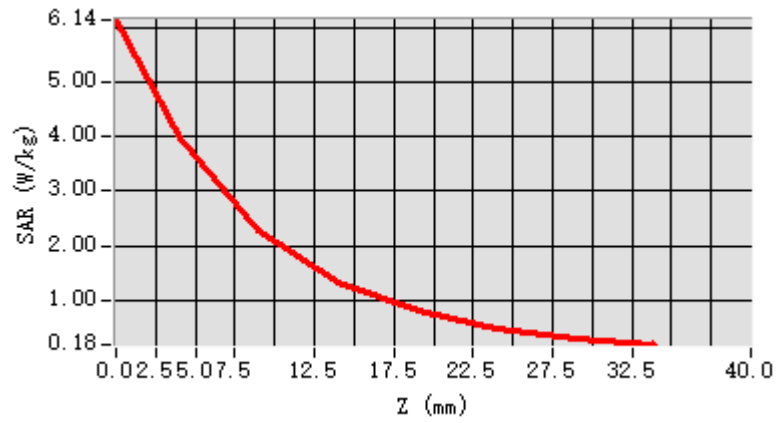
Maximum location: X=3.00, Y=2.00 ; SAR Peak: 6.29 W/kg

D. SAR 1g & 10g

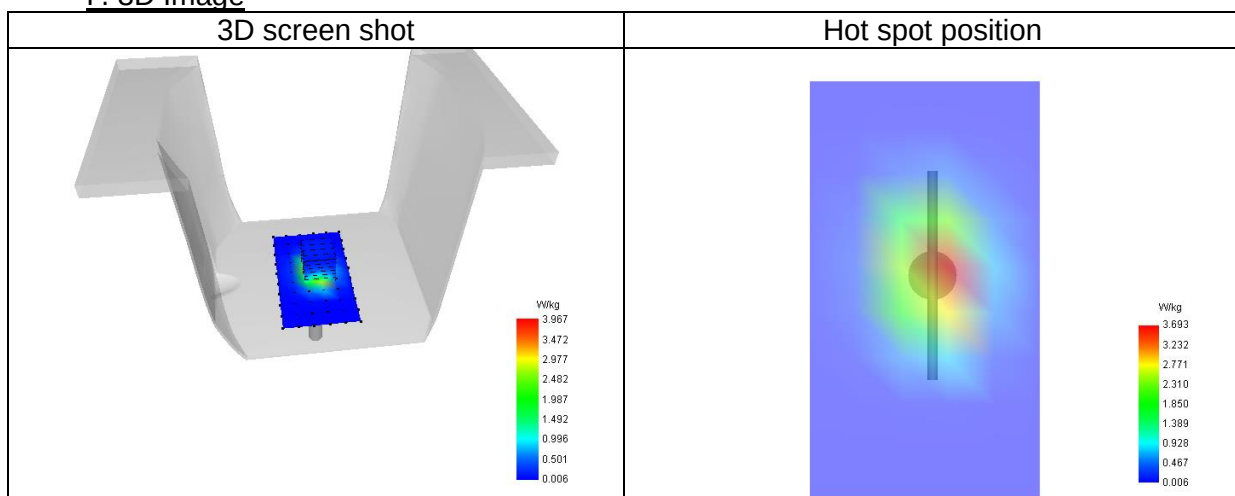
SAR 10g (W/Kg)	2.005
SAR 1g (W/Kg)	3.918
Variation (%)	0.11
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	56.94

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.135	3.967	2.259	1.328	0.789	0.476	0.292



F. 3D Image



5# System check at 2450 MHz
Date of measurement: 24/6/2026

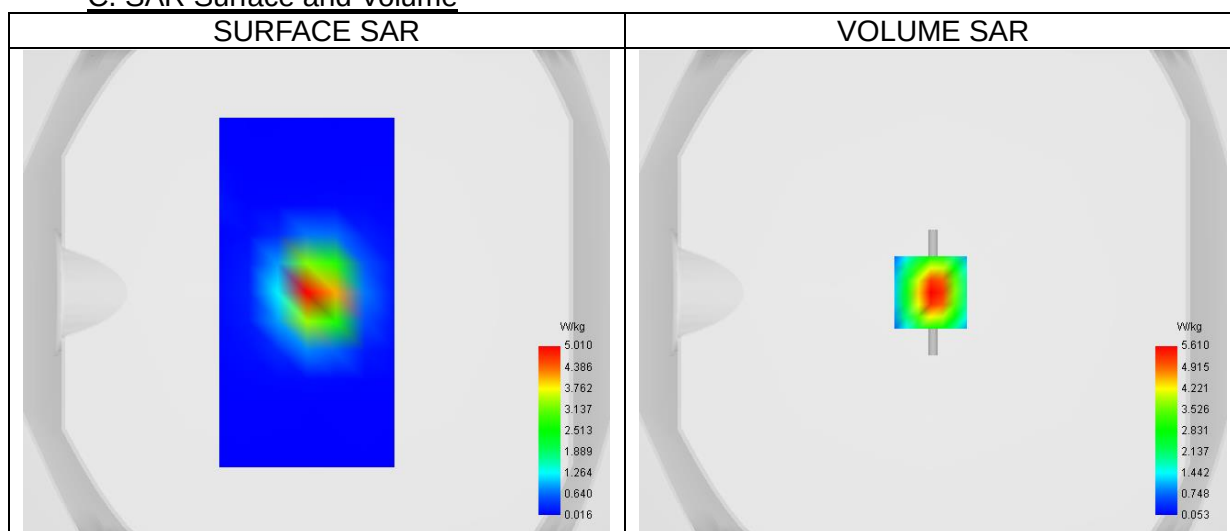
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.85
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	2450.00
Relative permittivity (real part)	40.54
Relative permittivity (imaginary part)	13.09
Conductivity (S/m)	1.78

C. SAR Surface and Volume



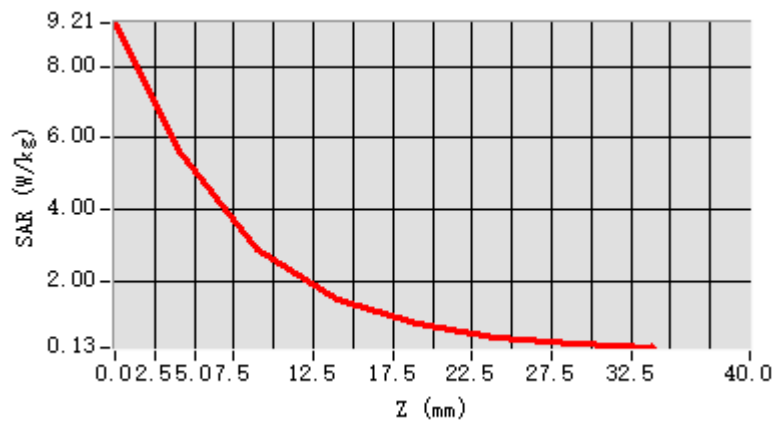
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 9.23 W/kg

D. SAR 1g & 10g

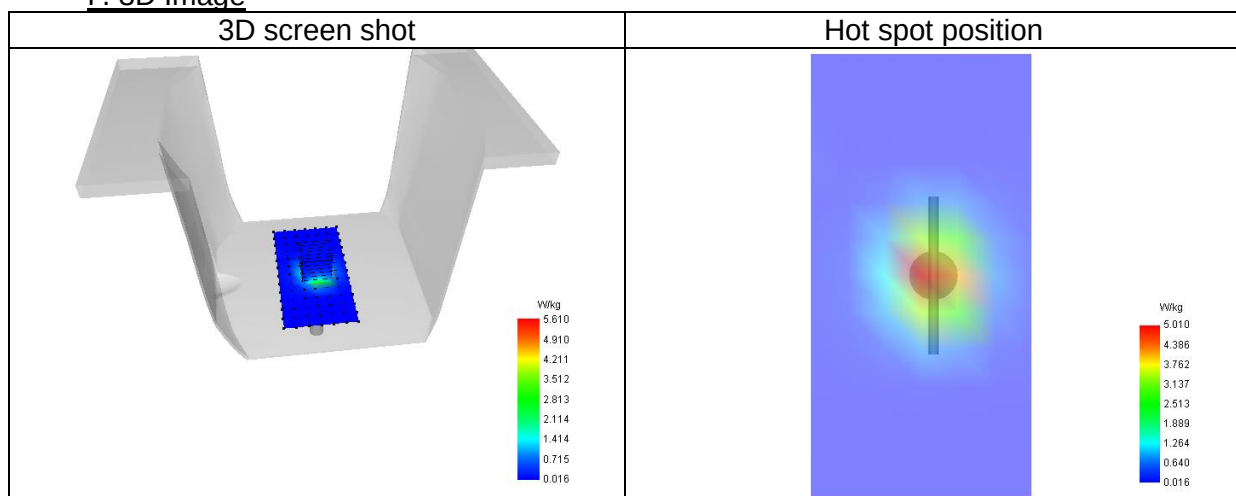
SAR 10g (W/Kg)	2.473
SAR 1g (W/Kg)	5.307
Variation (%)	0.12
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	51.46

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.206	5.610	2.887	1.495	0.785	0.421	0.229



F. 3D Image



6# System check at 2600 MHz
Date of measurement: 22/6/2026

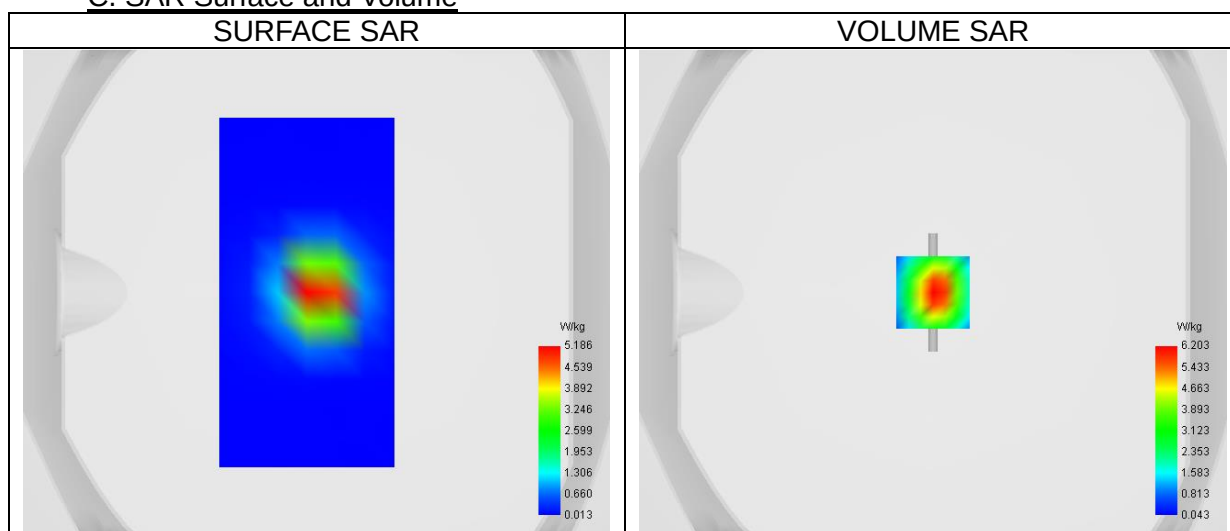
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.65
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	2600.00
Relative permittivity (real part)	39.61
Relative permittivity (imaginary part)	13.59
Conductivity (S/m)	1.96

C. SAR Surface and Volume



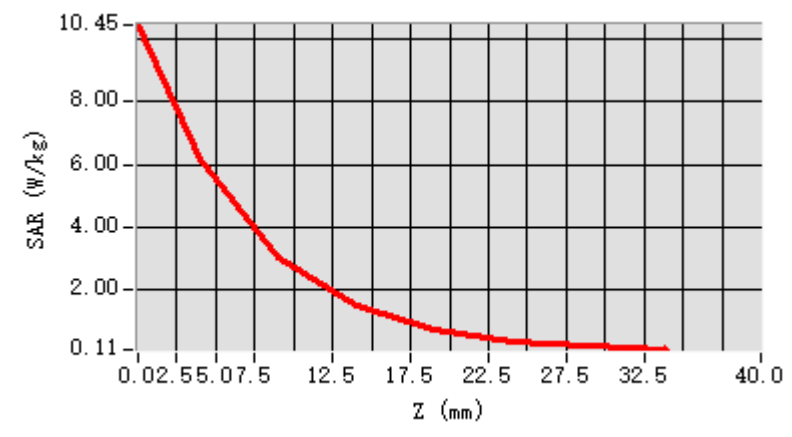
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.47 W/kg

D. SAR 1g & 10g

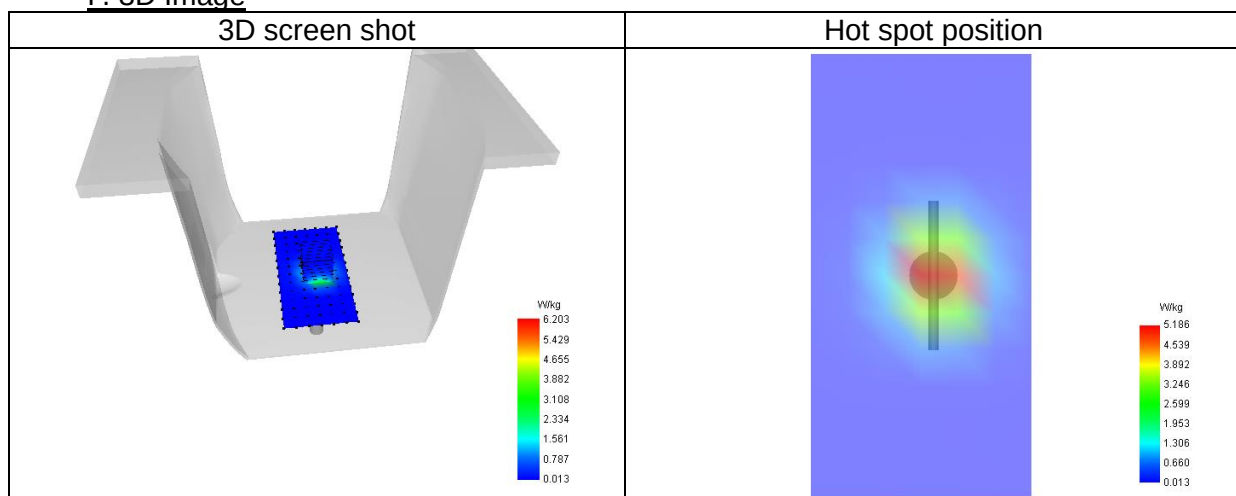
SAR 10g (W/Kg)	2.597
SAR 1g (W/Kg)	5.715
Variation (%)	-0.05
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	49.30

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	10.449	6.203	3.058	1.534	0.777	0.396	0.209



F. 3D Image



7# System check at 3500 MHz
 Date of measurement: 25/6/2026

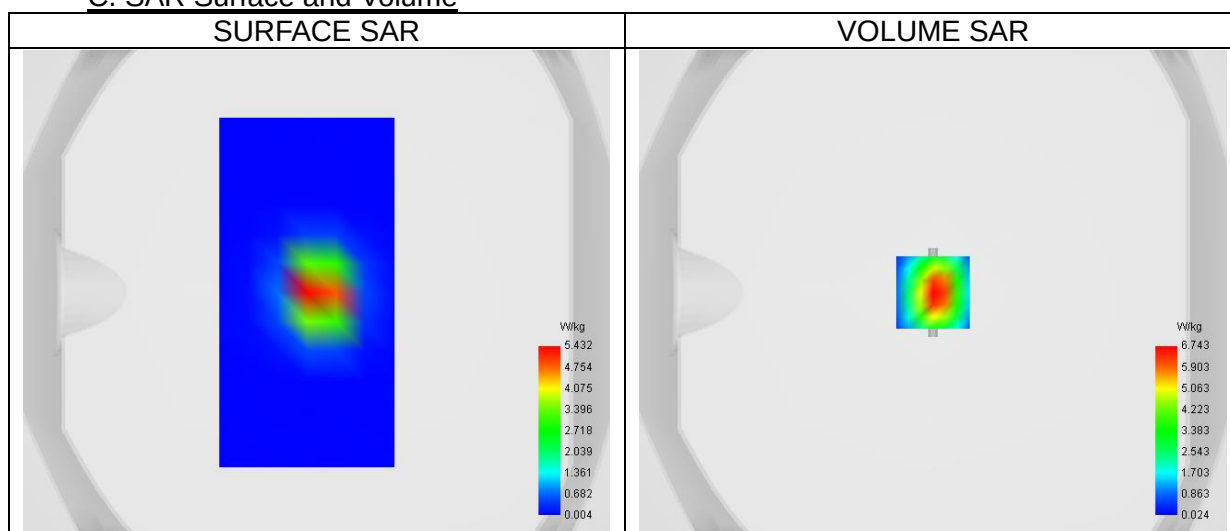
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.20
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW3500
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	3500.00
Relative permittivity (real part)	37.52
Relative permittivity (imaginary part)	14.49
Conductivity (S/m)	2.82

C. SAR Surface and Volume



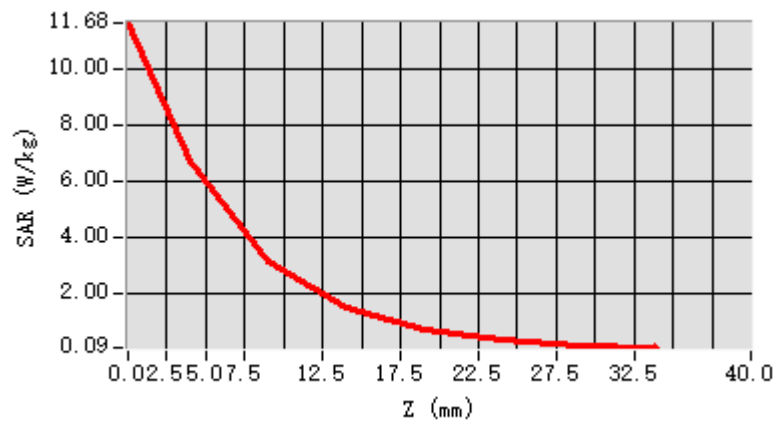
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 11.71 W/kg

D. SAR 1g & 10g

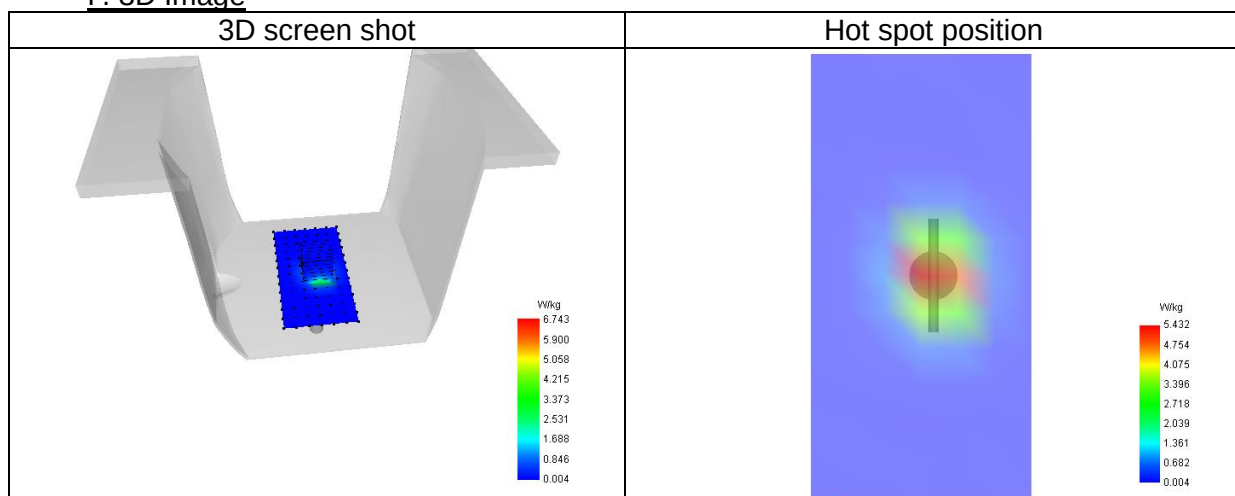
SAR 10g (W/Kg)	2.640
SAR 1g (W/Kg)	6.169
Variation (%)	-0.02
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	46.98

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	11.678	6.743	3.168	1.535	0.750	0.373	0.194



F. 3D Image



8# System check at 5200 MHz
Date of measurement: 19/6/2026

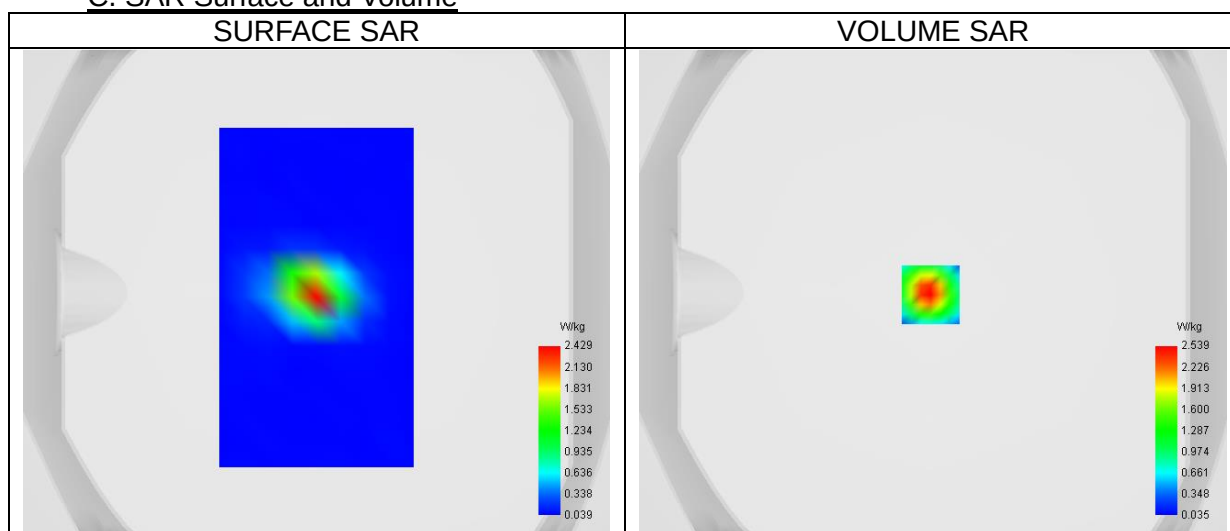
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.07
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	5200.00
Relative permittivity (real part)	36.54
Relative permittivity (imaginary part)	15.70
Conductivity (S/m)	4.54

C. SAR Surface and Volume



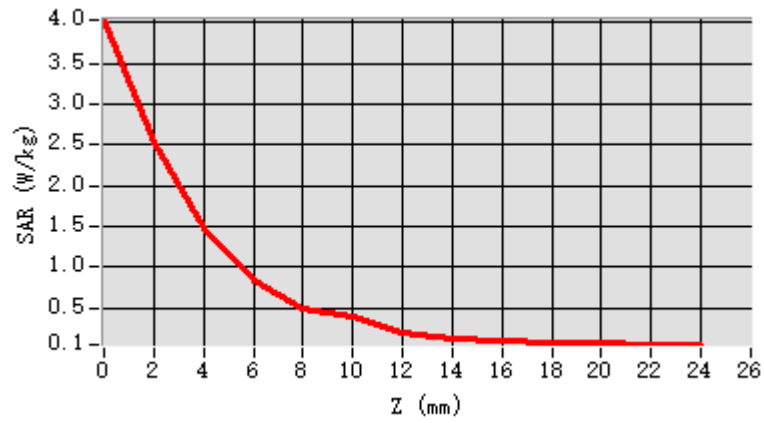
Maximum location: X=-1.00, Y=-1.00 ; SAR Peak: 4.22 W/kg

D. SAR 1g & 10g

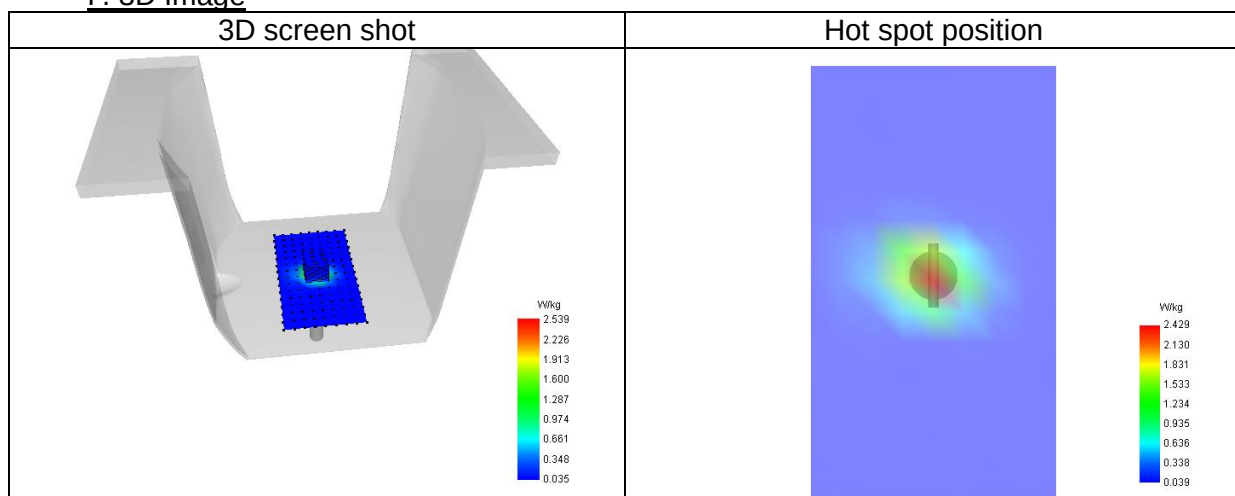
SAR 10g (W/Kg)	0.534
SAR 1g (W/Kg)	1.495
Variation (%)	-0.63
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	57.98

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	4.03 6	2.53 9	1.47 2	0.84 2	0.48 8	0.39 9	0.19 1	0.12 4	0.09 5	0.07 6	0.06 8	0.05 7



F. 3D Image



9# System check at 5800 MHz
Date of measurement: 20/6/2026

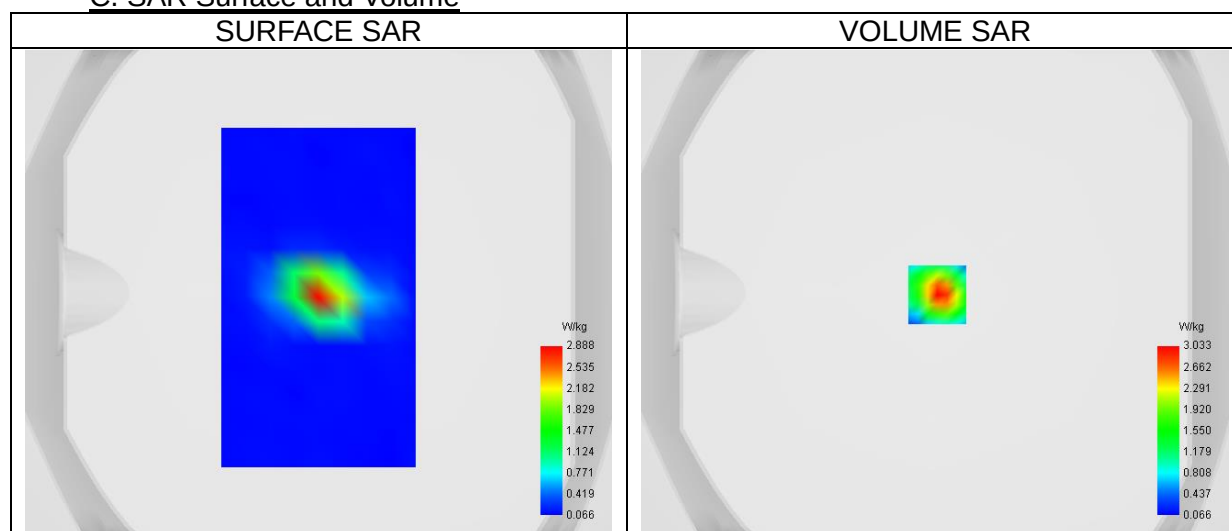
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.04
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Signal	CW
Channels/Frequency	Middle

B. Permittivity

Middle TX Frequency (MHz)	5800.00
Relative permittivity (real part)	35.99
Relative permittivity (imaginary part)	16.41
Conductivity (S/m)	5.29

C. SAR Surface and Volume



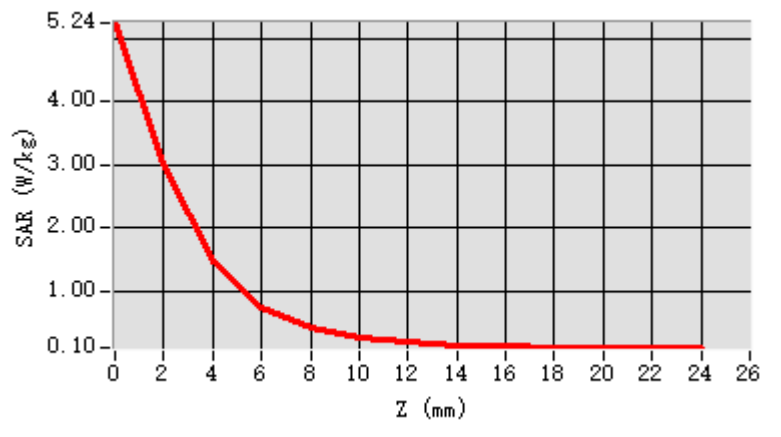
Maximum location: X=1.00, Y=-1.00 ; SAR Peak: 5.61 W/kg

D. SAR 1g & 10g

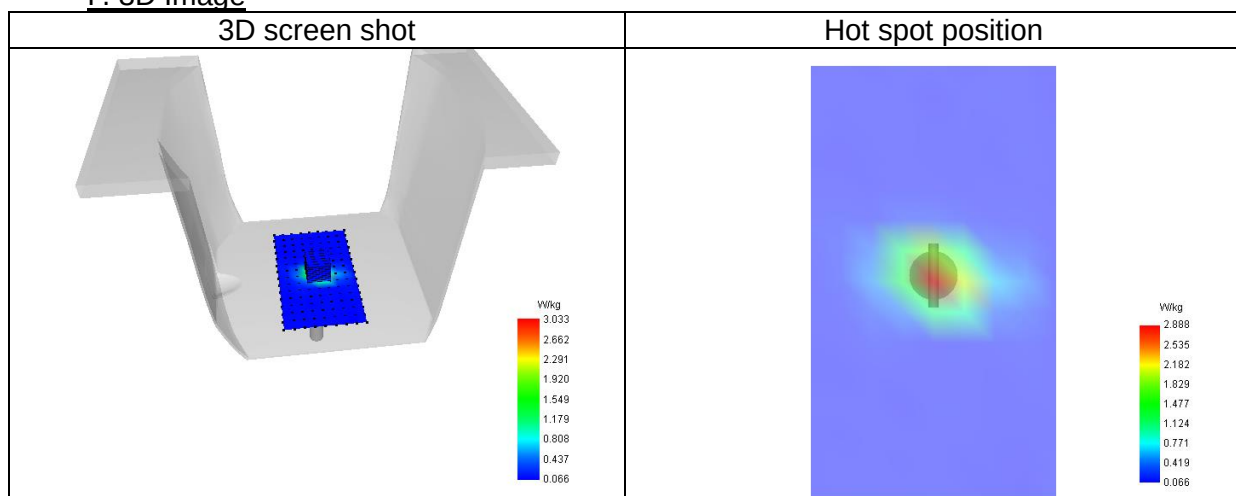
SAR 10g (W/Kg)	0.631
SAR 1g (W/Kg)	1.733
Variation (%)	-0.28
Horizontal validation criteria: minimum distance (mm)	8.94
Vertical validation criteria: SAR ratio M2/M1 (%)	48.70

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	5.24	3.03	1.47	0.72	0.41	0.24	0.18	0.14	0.11	0.11	0.09	0.10
	3	3	7	0	0	5	4	2	7	1	5	6



F. 3D Image



13. Appendix C. Plots of High SAR Measurement

- 1# SAR Measurement at GPRS850 (Cheek, Right)
- 2# SAR Measurement at GPRS850 (Body, Validation Plane)
- 3# SAR Measurement at GPRS1900 (Cheek, Right)
- 4# SAR Measurement at GPRS1900 (Body, Validation Plane)
- 5# SAR Measurement at Band 2 (1900) (Cheek, Right)
- 6# SAR Measurement at Band 2 (1900) (Body, Validation Plane)
- 7# SAR Measurement at Band 4 (1700) (Cheek, Right)
- 8# SAR Measurement at Band 4 (1700) (Body, Validation Plane)
- 9# SAR Measurement at Band 5 (850) (Cheek, Right)
- 10# SAR Measurement at Band 5 (850) (Body, Validation Plane)
- 11# SAR Measurement at U-NII-1 (Cheek, Left)
- 12# SAR Measurement at U-NII-1 (Body, Validation Plane)
- 13# SAR Measurement at U-NII-3 (Cheek, Left)
- 14# SAR Measurement at U-NII-3 (Body, Validation Plane)
- 15# SAR Measurement at ISM (Cheek, Left)
- 16# SAR Measurement at ISM (Body, Validation Plane)
- 17# SAR Measurement at LTE band 2 (Cheek, Left)
- 18# SAR Measurement at LTE band 2 (Body, Validation Plane)
- 19# SAR Measurement at LTE band 4 (Cheek, Left)
- 20# SAR Measurement at LTE band 4 (Body, Validation Plane)
- 21# SAR Measurement at LTE band 5 (Cheek, Left)
- 22# SAR Measurement at LTE band 5 (Body, Validation Plane)
- 23# SAR Measurement at LTE band 7 (Cheek, Left)
- 24# SAR Measurement at LTE band 7 (Body, Validation Plane)
- 25# SAR Measurement at LTE band 12 (Cheek, Left)
- 26# SAR Measurement at LTE band 12 (Body, Validation Plane)
- 27# SAR Measurement at LTE band 17 (Cheek, Left)
- 28# SAR Measurement at LTE band 17 (Body, Validation Plane)
- 29# SAR Measurement at NR band 78 (Cheek, Left)
- 30# SAR Measurement at NR band 78 (Cheek, Validation Plane)

1# SAR Measurement at GSM850 (Cheek, Right)

Date of measurement: 20/6/2026

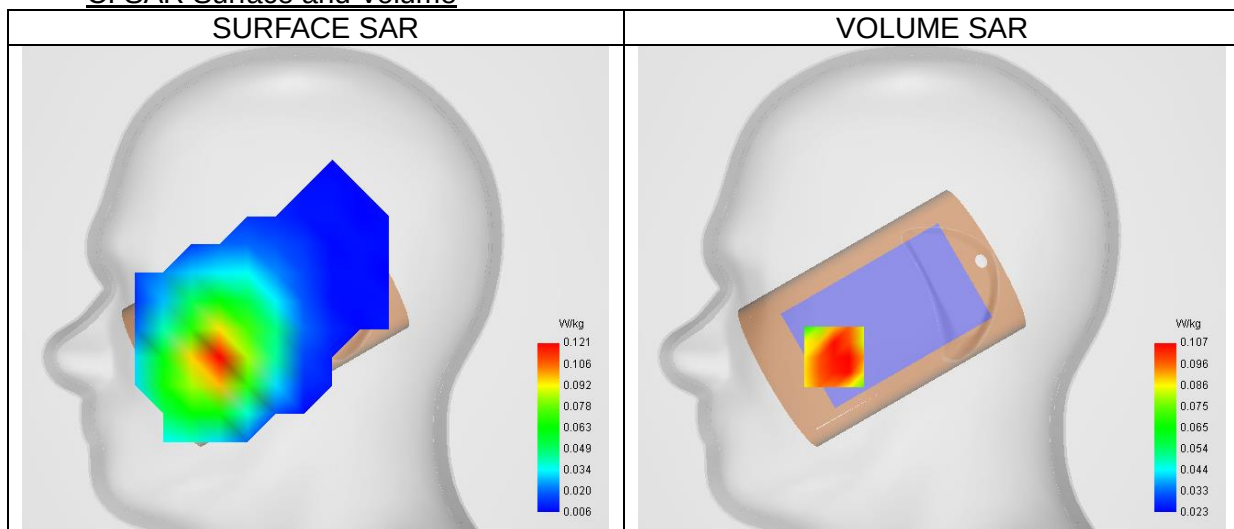
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	GSM850
Signal	TDMA (GSM)
Channels/Frequency	Middle (189)/ frequency 836.40 Mhz
Modulation	GMSK

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	42.94
Relative permittivity (imaginary part)	20.20
Conductivity (S/m)	0.94

C. SAR Surface and Volume



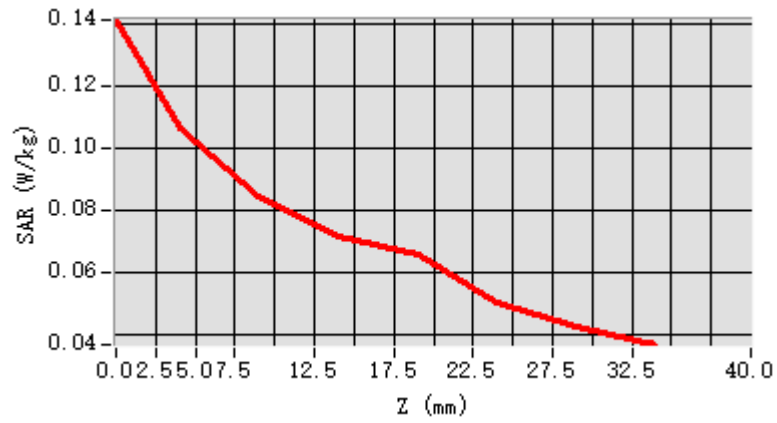
Maximum location: X=-52.00, Y=-36.00 ; SAR Peak: 0.14 W/kg

D. SAR 1g & 10g

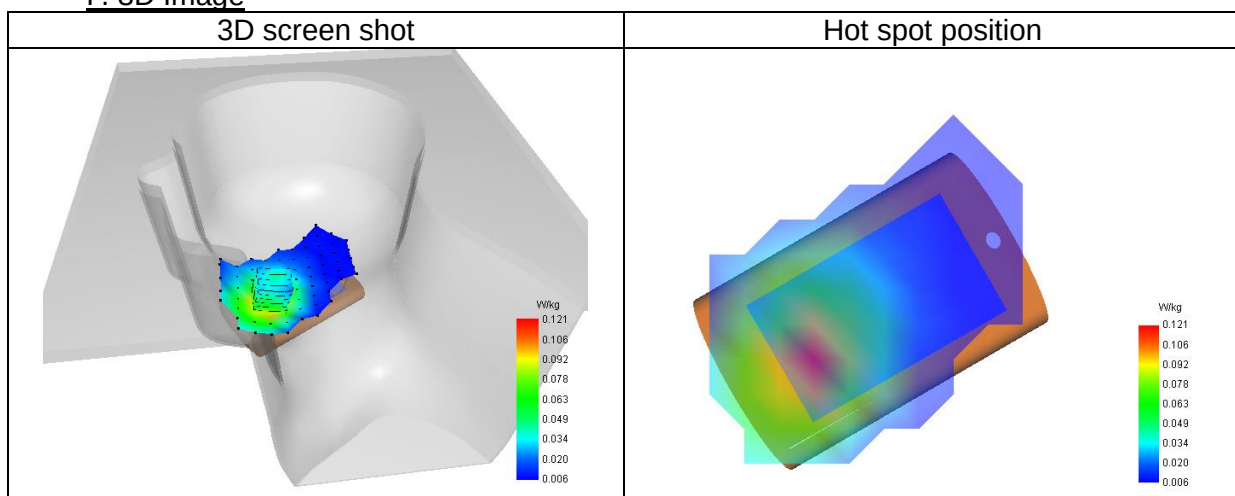
SAR 10g (W/Kg)	0.083
SAR 1g (W/Kg)	0.108
Variation (%)	-2.09
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.141	0.107	0.085	0.072	0.066	0.050	0.043



F. 3D Image



2# SAR Measurement at GPRS850 (Body, Validation Plane)

Date of measurement: 20/6/2026

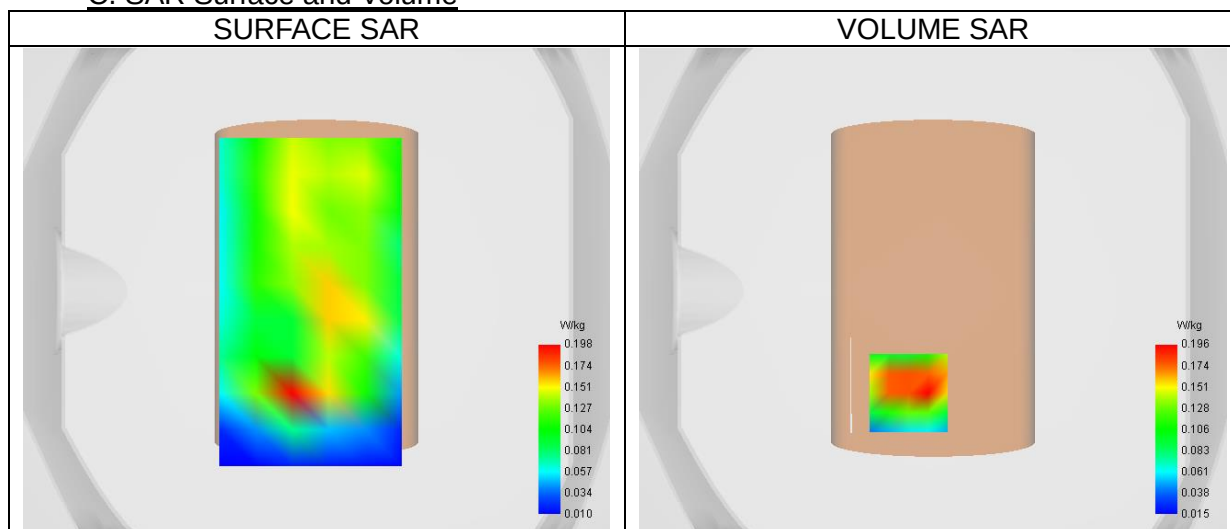
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.32
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	GPRS850
Signal	TDMA (GPRS)
Channels/Frequency	Middle (189)/ frequency 836.40 Mhz
Modulation	GMSK (CS-4)
TX-slots	4

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	42.94
Relative permittivity (imaginary part)	20.20
Conductivity (S/m)	0.94

C. SAR Surface and Volume



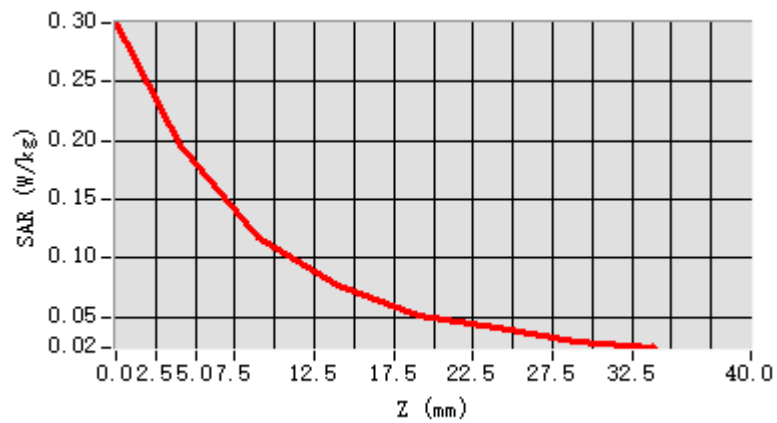
Maximum location: X=-10.00, Y=-42.00 ; SAR Peak: 0.30 W/kg

D. SAR 1g & 10g

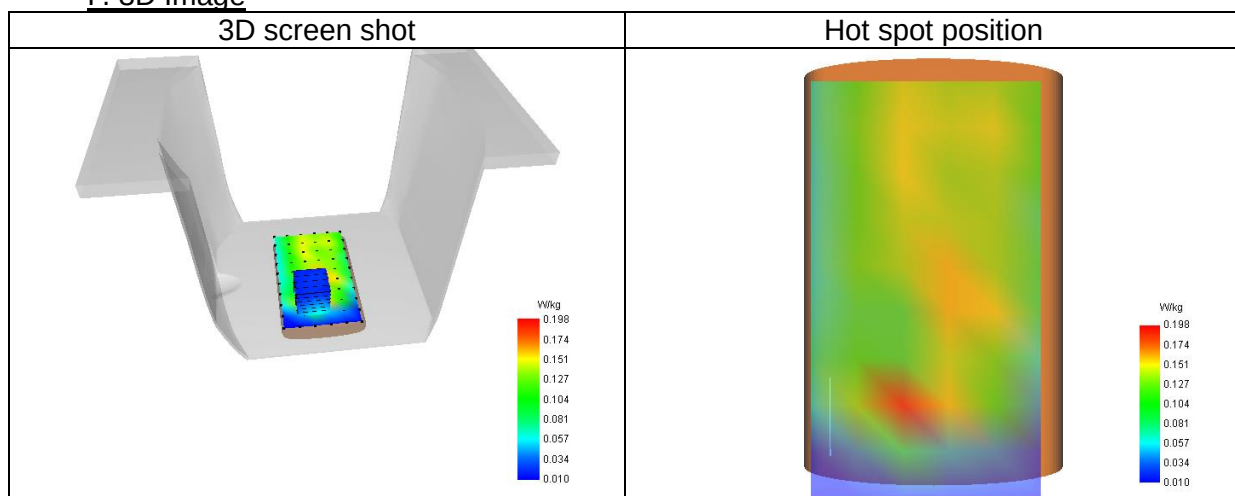
SAR 10g (W/Kg)	0.109
SAR 1g (W/Kg)	0.189
Variation (%)	-0.14
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	63.52

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.300	0.196	0.118	0.076	0.052	0.040	0.029



F. 3D Image



3# SAR Measurement at GSM1900 (Cheek, Right)

Date of measurement: 23/6/2026

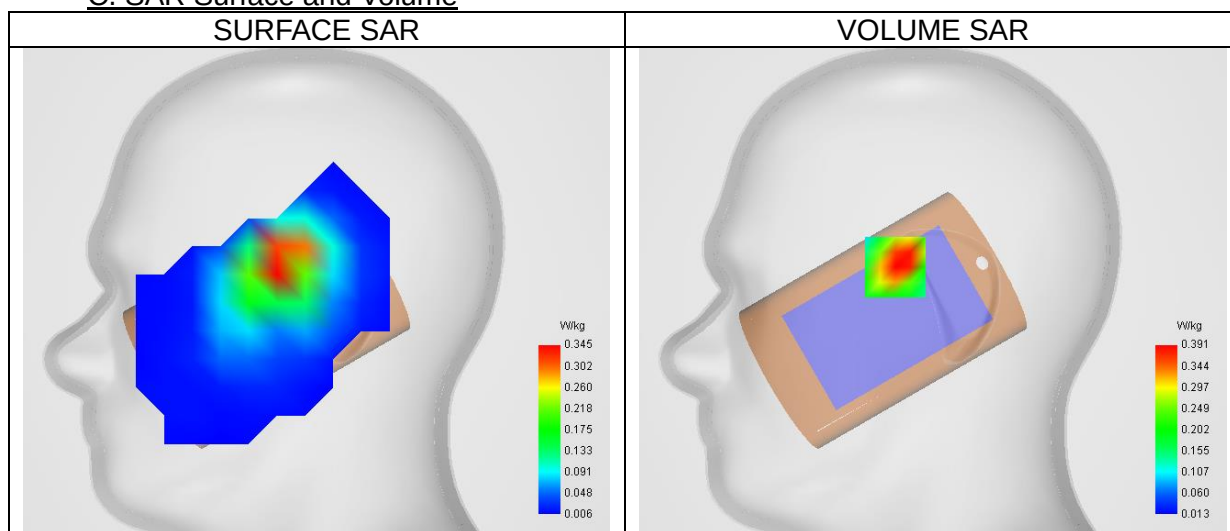
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.63
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	GSM 1900
Signal	TDMA (GSM)
Channels/Frequency	Middle (661)/ frequency 1880.00 Mhz
Modulation	GMSK

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.38
Relative permittivity (imaginary part)	13.66
Conductivity (S/m)	1.43

C. SAR Surface and Volume



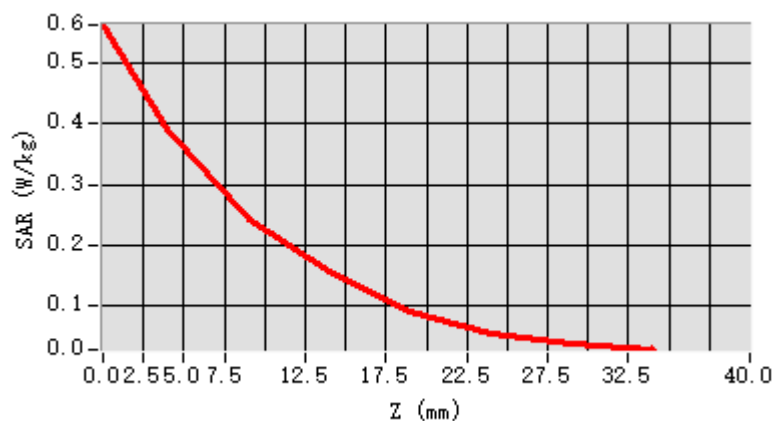
Maximum location: X=-20.00, Y=13.00 ; SAR Peak: 0.69 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.214
SAR 1g (W/Kg)	0.399
Variation (%)	1.32
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	61.67

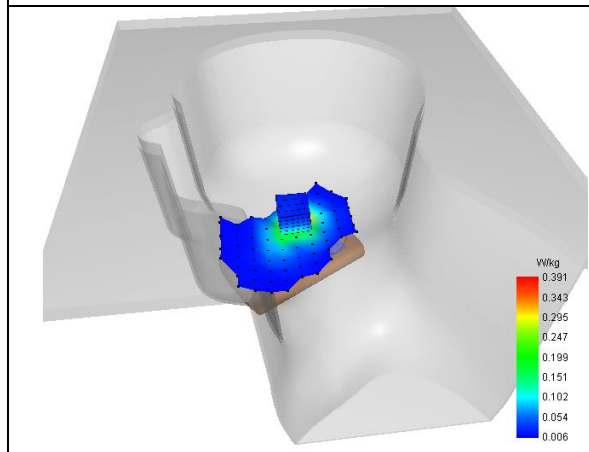
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.563	0.391	0.241	0.157	0.092	0.054	0.036

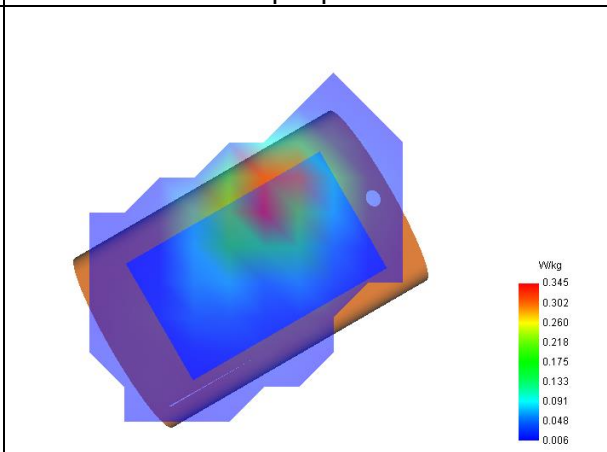


F. 3D Image

3D screen shot



Hot spot position



4# SAR Measurement at GPRS1900 (Body, Validation Plane)

Date of measurement: 23/6/2026

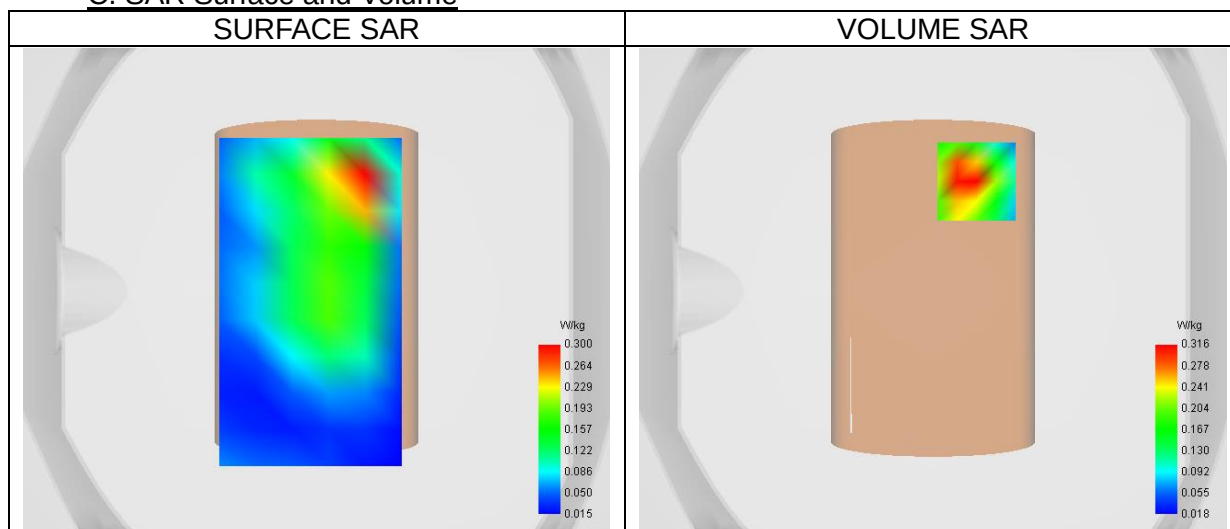
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.63
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	GPRS1900
Signal	TDMA (GPRS)
Channels/Frequency	Middle (661)/ frequency 1880.00 Mhz
Modulation	GMSK (CS-4)
TX-slots	4

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.38
Relative permittivity (imaginary part)	13.66
Conductivity (S/m)	1.43

C. SAR Surface and Volume



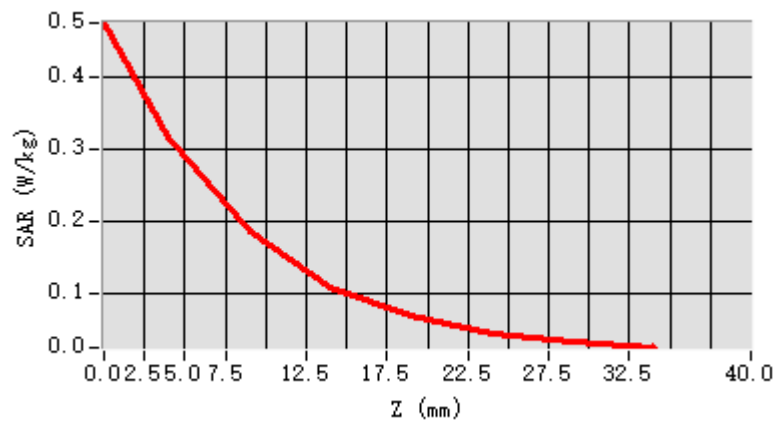
Maximum location: X=18.00, Y=45.00 ; SAR Peak: 0.53 W/kg

D. SAR 1g & 10g

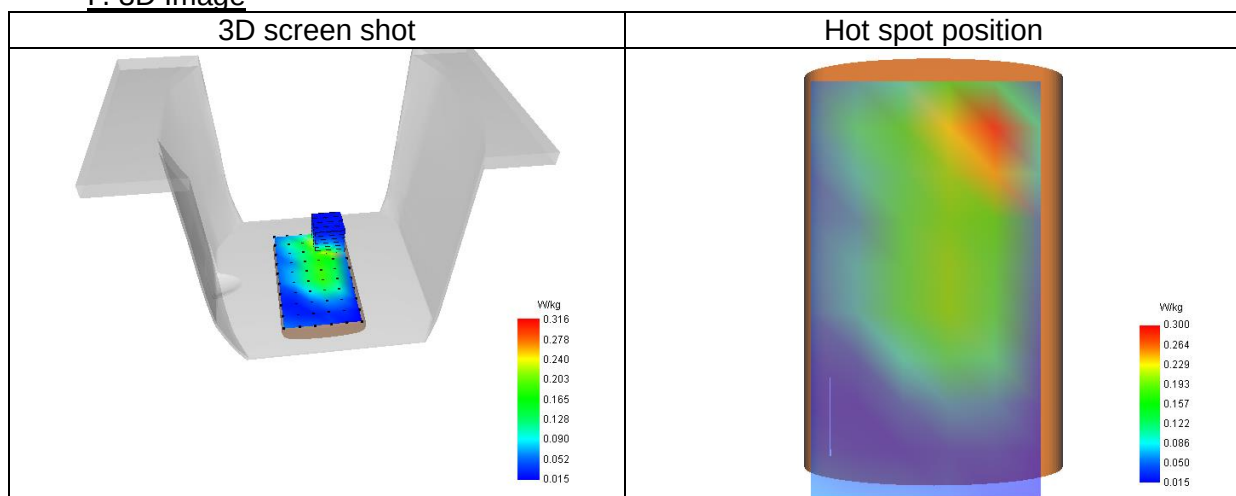
SAR 10g (W/Kg)	0.163
SAR 1g (W/Kg)	0.313
Variation (%)	-1.91
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	58.94

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.476	0.316	0.186	0.106	0.069	0.043	0.032



F. 3D Image



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

Date of measurement: 23/6/2026

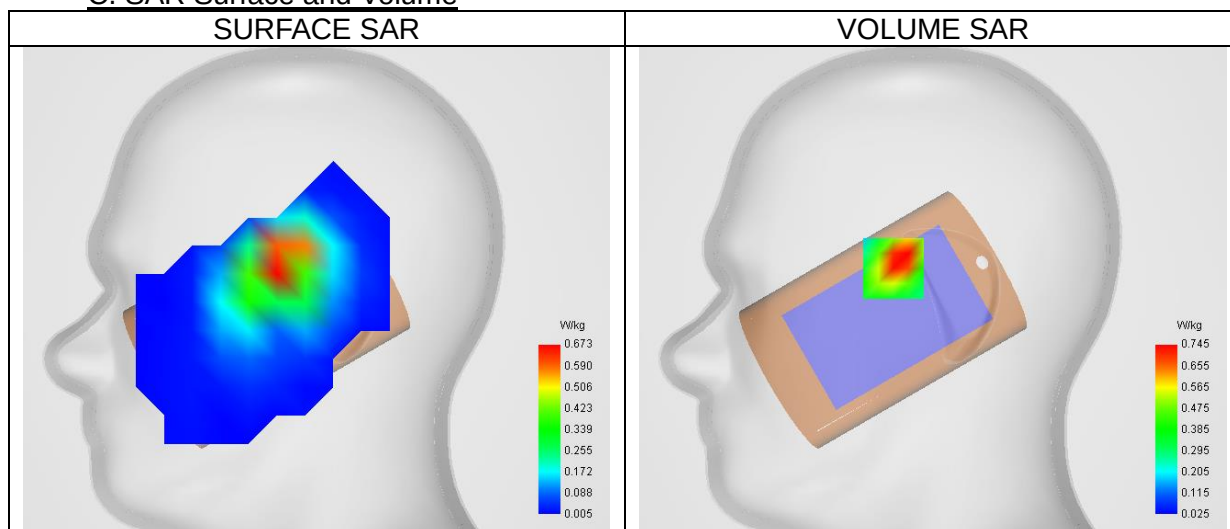
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.63
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Band 2 (1900)
Signal	WCDMA
Channels/Frequency	Middle (9400)/ frequency 1880.00 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.38
Relative permittivity (imaginary part)	13.66
Conductivity (S/m)	1.43

C. SAR Surface and Volume



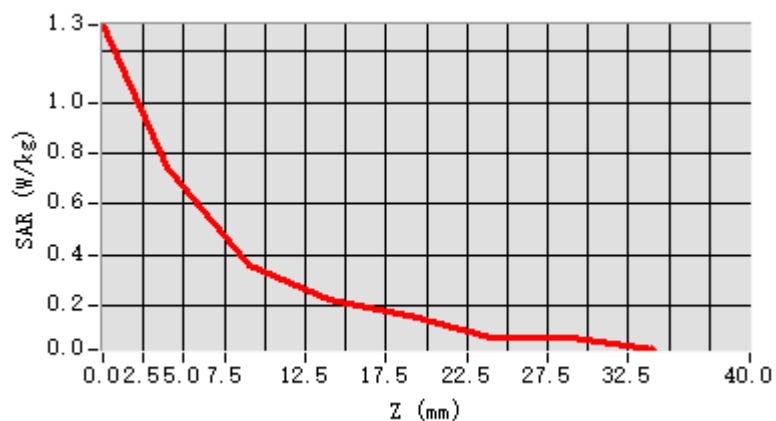
Maximum location: X=-21.00, Y=12.00 ; SAR Peak: 1.26 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.396
SAR 1g (W/Kg)	0.744
Variation (%)	-1.58
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	61.48

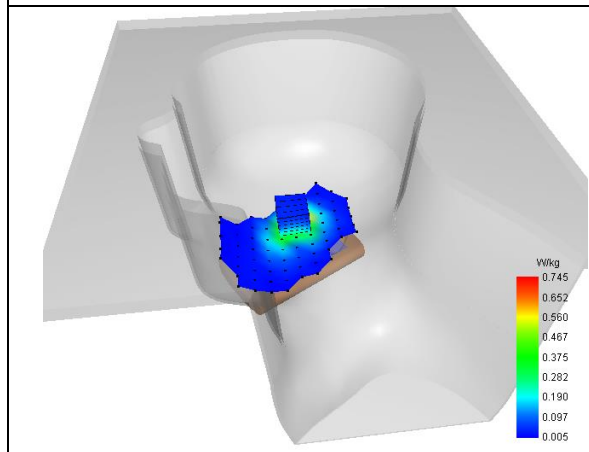
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.305	0.745	0.357	0.224	0.159	0.070	0.074

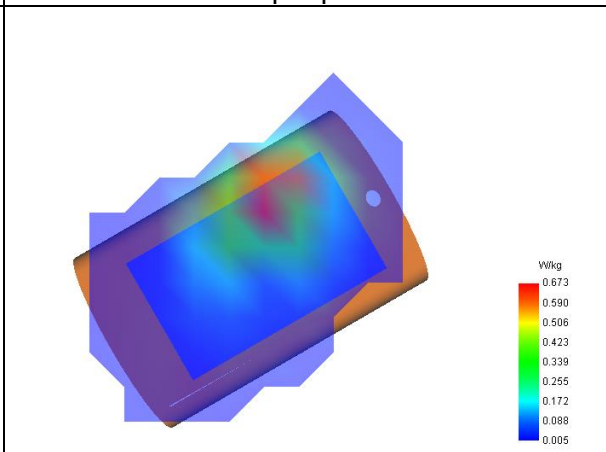


F. 3D Image

3D screen shot



Hot spot position



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

Date of measurement: 23/6/2026

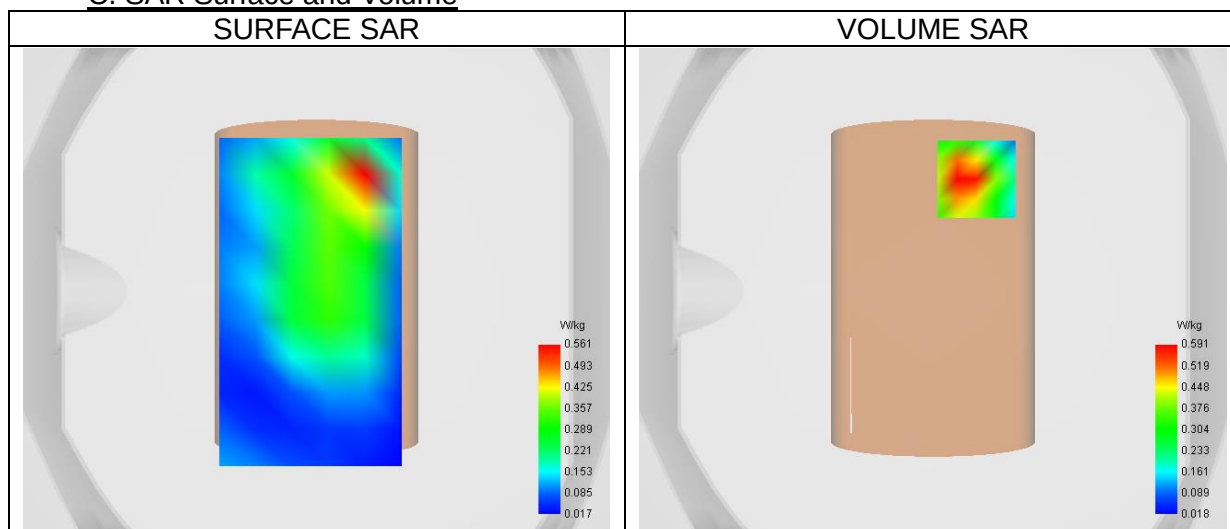
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.63
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 2 (1900)
Signal	WCDMA
Channels/Frequency	Middle (9400)/ frequency 1880.00 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.38
Relative permittivity (imaginary part)	13.66
Conductivity (S/m)	1.43

C. SAR Surface and Volume



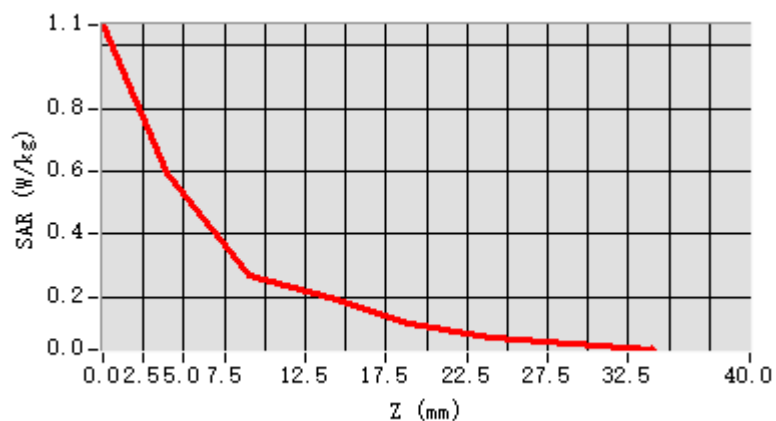
Maximum location: X=18.00, Y=46.00 ; SAR Peak: 1.00 W/kg

D. SAR 1g & 10g

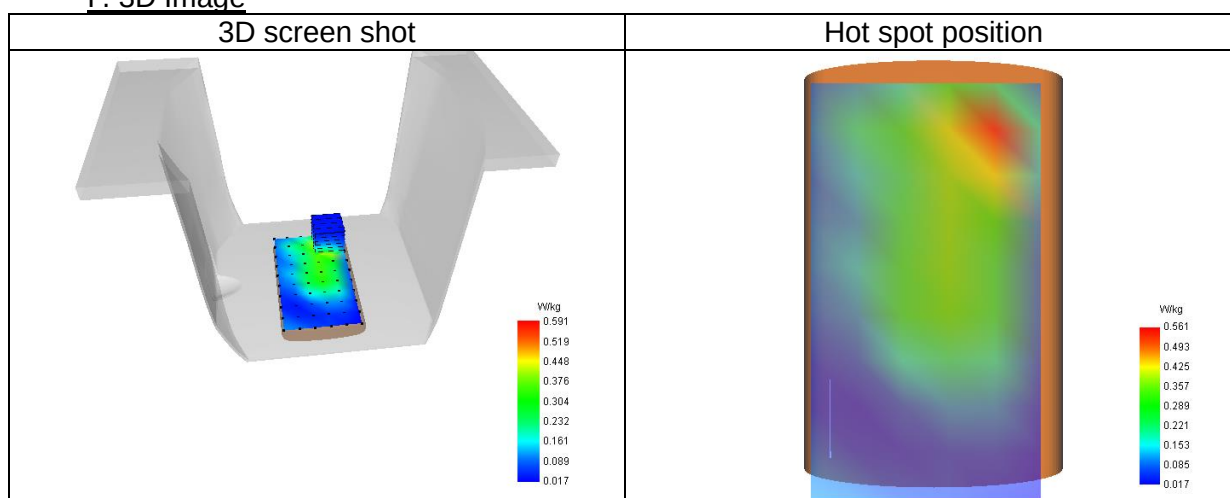
SAR 10g (W/Kg)	0.307
SAR 1g (W/Kg)	0.584
Variation (%)	-1.42
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	57.20

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.065	0.591	0.269	0.199	0.112	0.073	0.052



F. 3D Image



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

Date of measurement: 21/6/2026

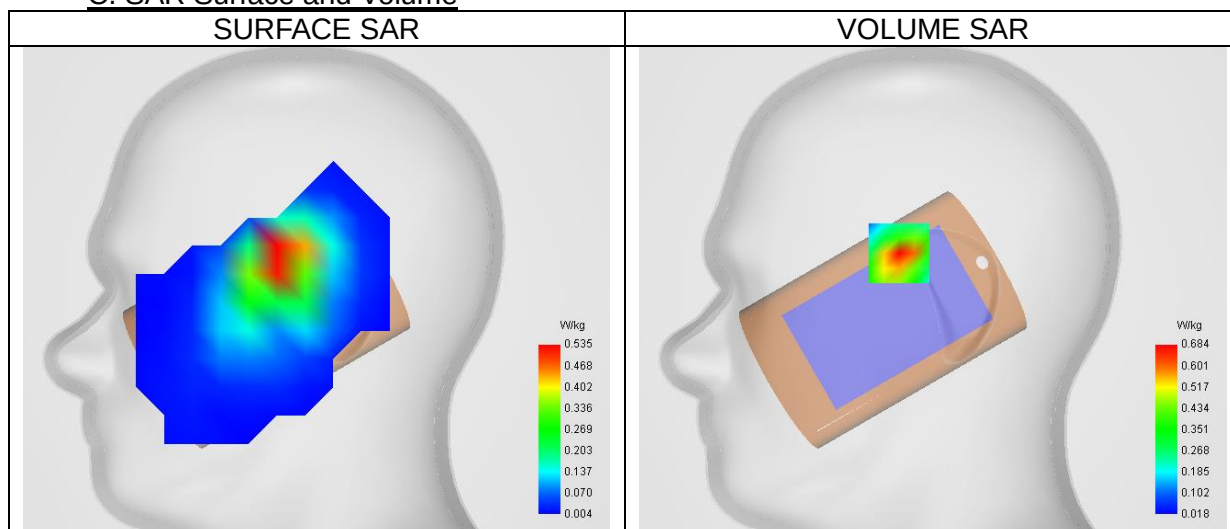
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.45
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Band 4 (1700)
Signal	WCDMA
Channels/Frequency	Middle (1413)/ frequency 1732.60 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1732.60
Relative permittivity (real part)	40.36
Relative permittivity (imaginary part)	13.42
Conductivity (S/m)	1.29

C. SAR Surface and Volume



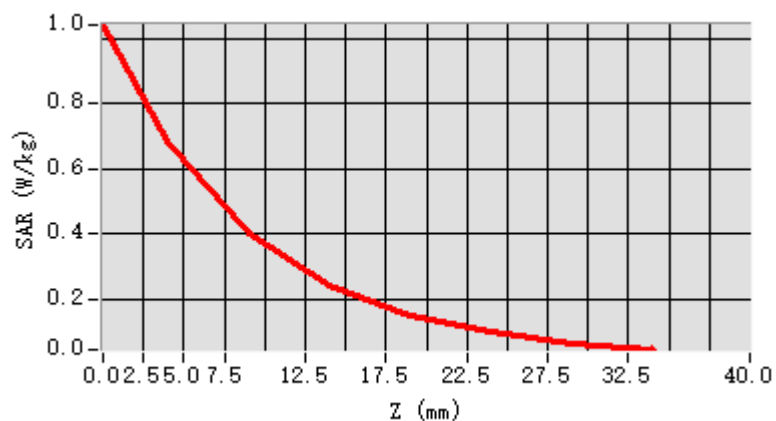
Maximum location: X=-18.00, Y=20.00 ; SAR Peak: 1.06 W/kg

D. SAR 1g & 10g

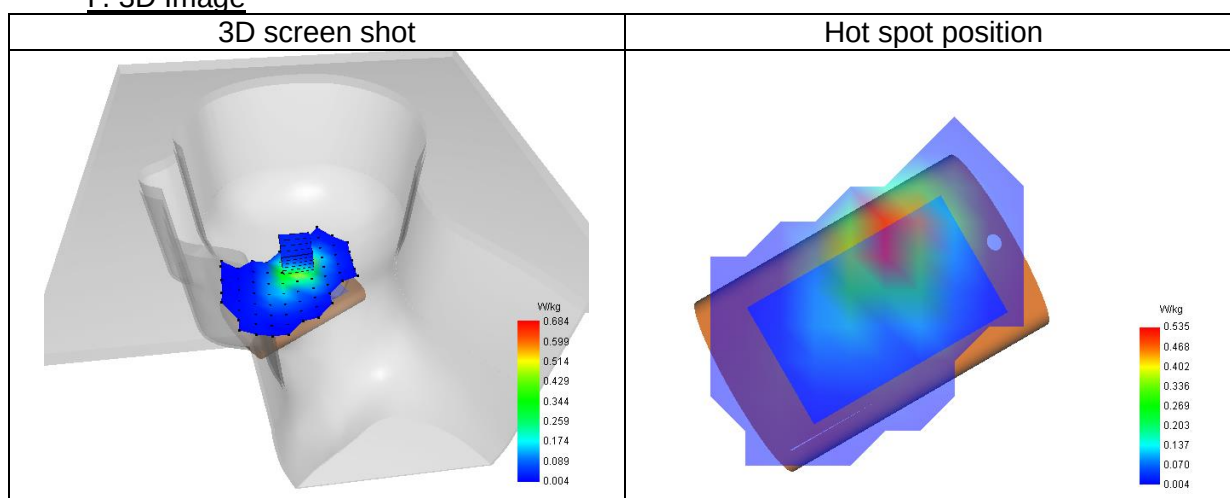
SAR 10g (W/Kg)	0.338
SAR 1g (W/Kg)	0.630
Variation (%)	-3.20
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	62.08

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.043	0.684	0.398	0.243	0.146	0.095	0.060



F. 3D Image



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

Date of measurement: 21/6/2026

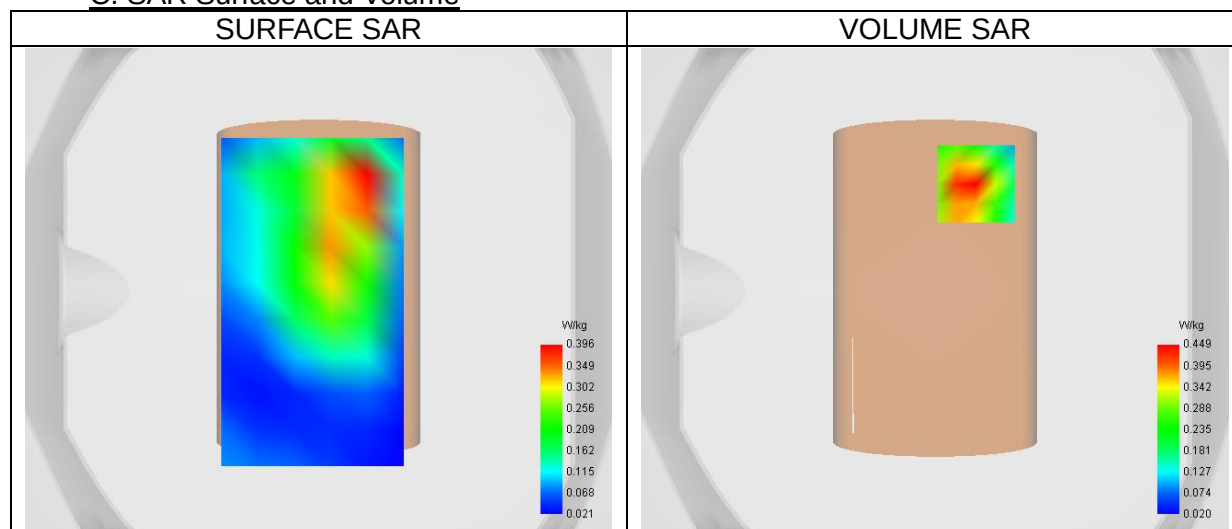
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.45
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 4 (1700)
Signal	WCDMA
Channels/Frequency	Middle (1413)/ frequency 1732.60 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1732.60
Relative permittivity (real part)	41.02
Relative permittivity (imaginary part)	14.12
Conductivity (S/m)	1.36

C. SAR Surface and Volume



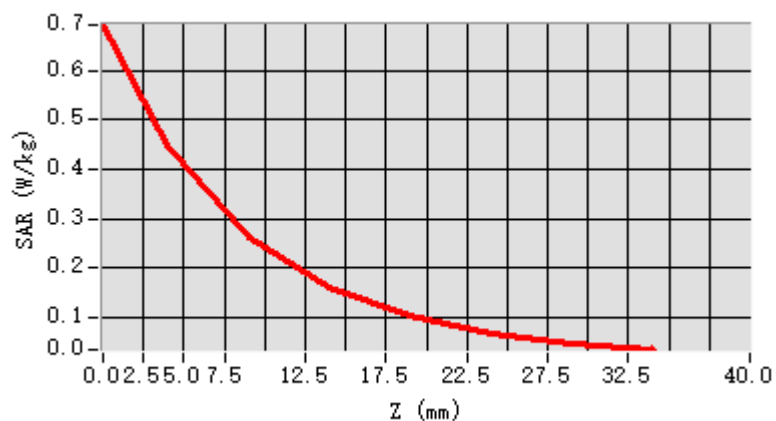
Maximum location: X=17.00, Y=44.00 ; SAR Peak: 0.73 W/kg

D. SAR 1g & 10g

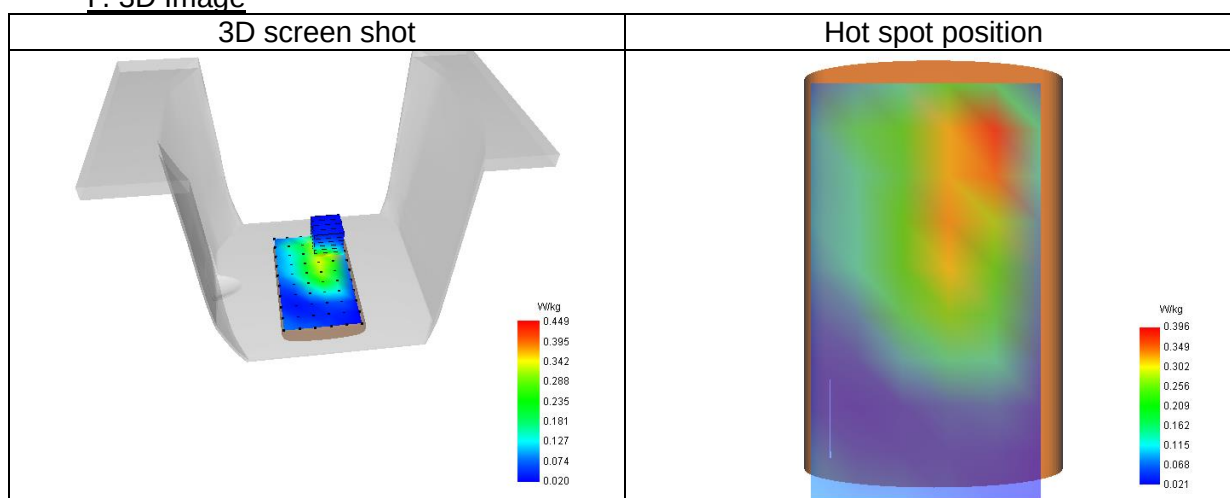
SAR 10g (W/Kg)	0.221
SAR 1g (W/Kg)	0.429
Variation (%)	-1.69
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	57.90

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.693	0.449	0.260	0.162	0.102	0.067	0.046



F. 3D Image



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

Date of measurement: 20/6/2026

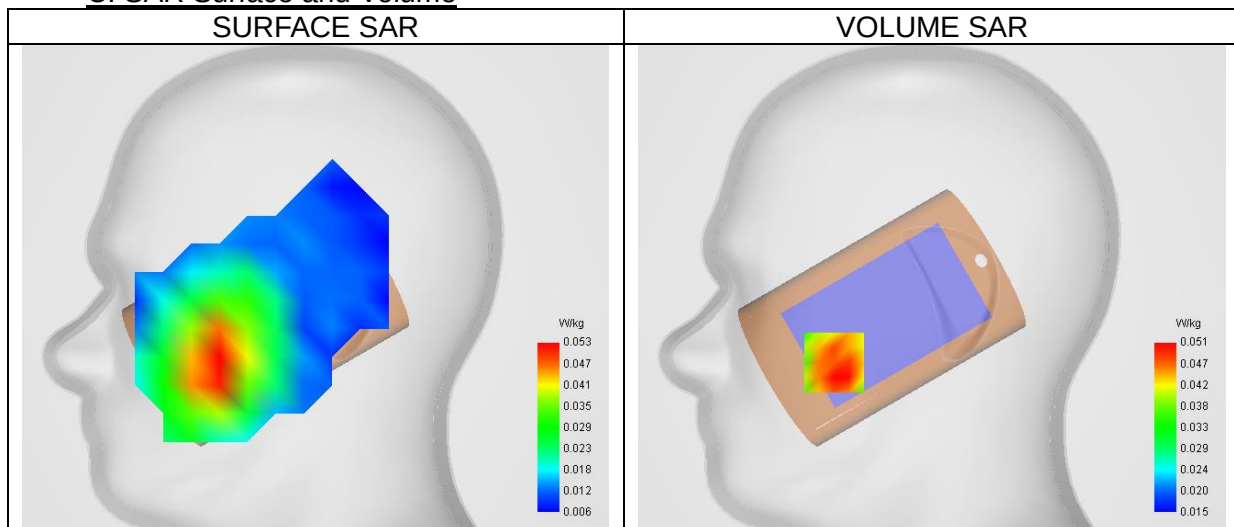
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Band 5 (850)
Signal	WCDMA
Channels/Frequency	Middle (4182)/ frequency 836.40 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	42.94
Relative permittivity (imaginary part)	20.20
Conductivity (S/m)	0.94

C. SAR Surface and Volume



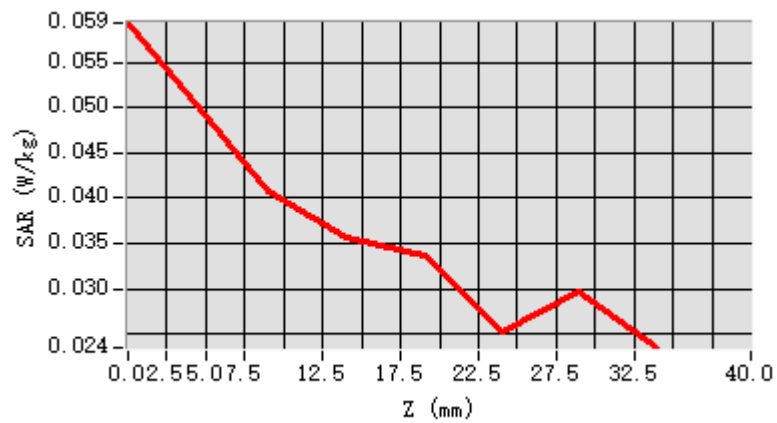
Maximum location: X=-52.00, Y=-39.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

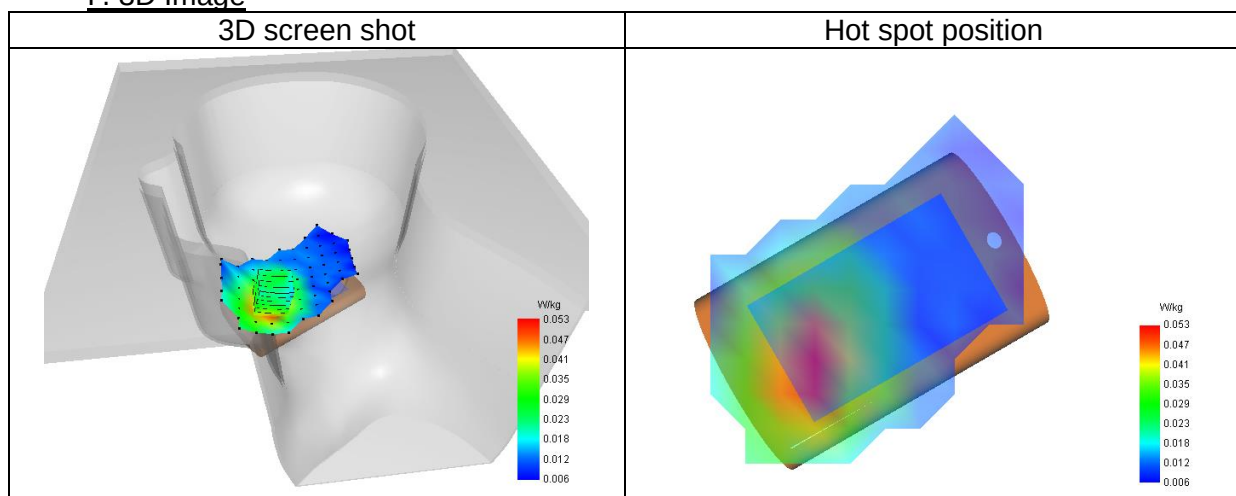
SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.052
Variation (%)	-1.60
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.059	0.051	0.041	0.036	0.034	0.025	0.030



F. 3D Image



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

Date of measurement: 20/6/2026

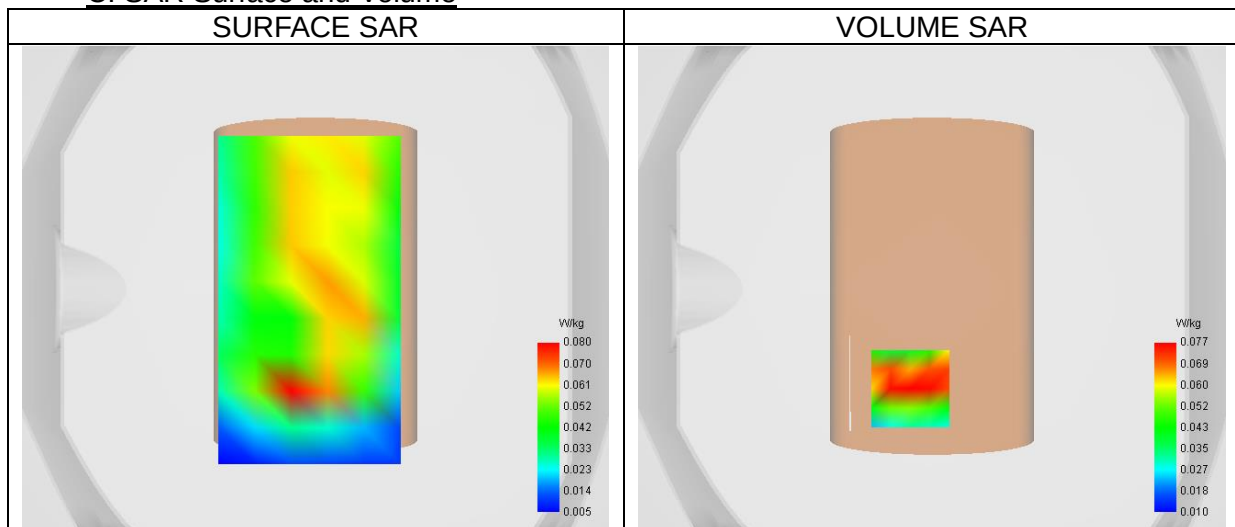
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.32
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)
Signal	WCDMA
Channels/Frequency	Middle (4182)/ frequency 836.40 Mhz
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	836.40
Relative permittivity (real part)	42.94
Relative permittivity (imaginary part)	20.20
Conductivity (S/m)	0.94

C. SAR Surface and Volume



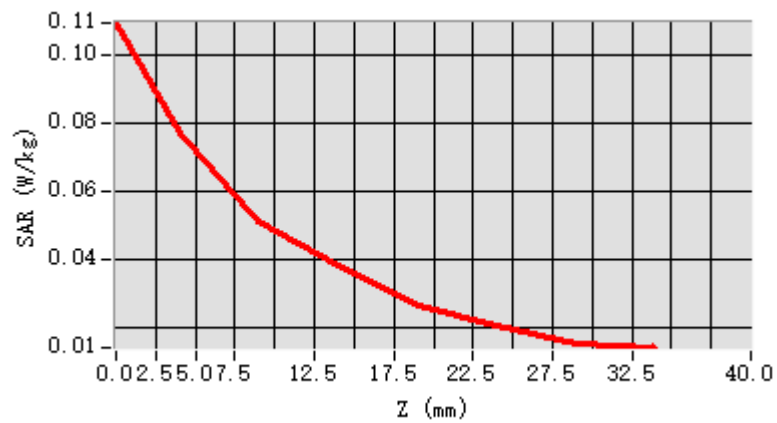
Maximum location: X=-9.00, Y=-41.00 ; SAR Peak: 0.11 W/kg

D. SAR 1g & 10g

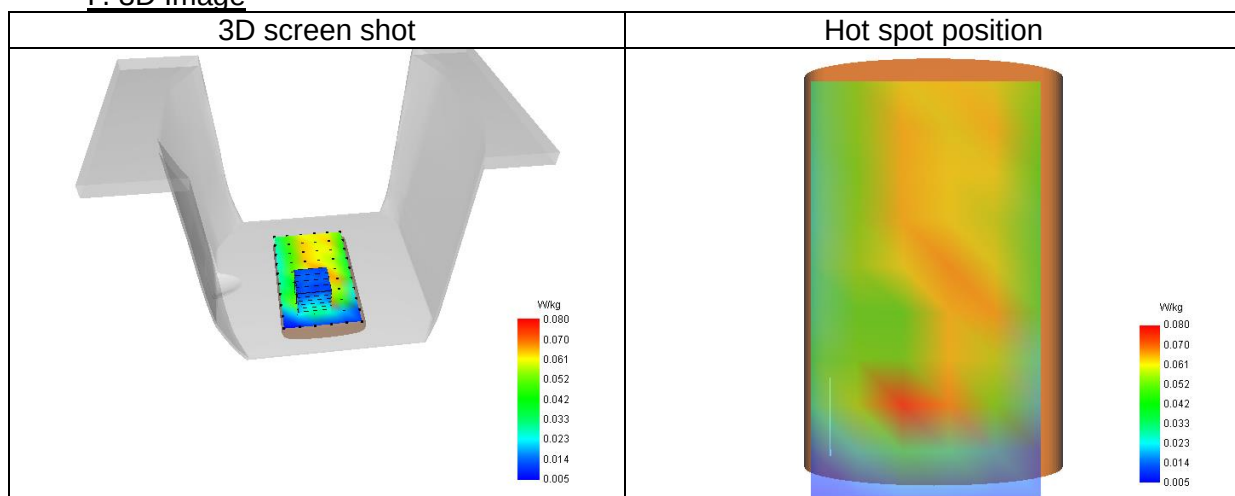
SAR 10g (W/Kg)	0.048
SAR 1g (W/Kg)	0.077
Variation (%)	-2.16
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	68.04

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.110	0.077	0.051	0.038	0.026	0.020	0.015



F. 3D Image



11# SAR Measurement at U-NII-1 (Cheek, Left)

Date of measurement: 19/6/2026

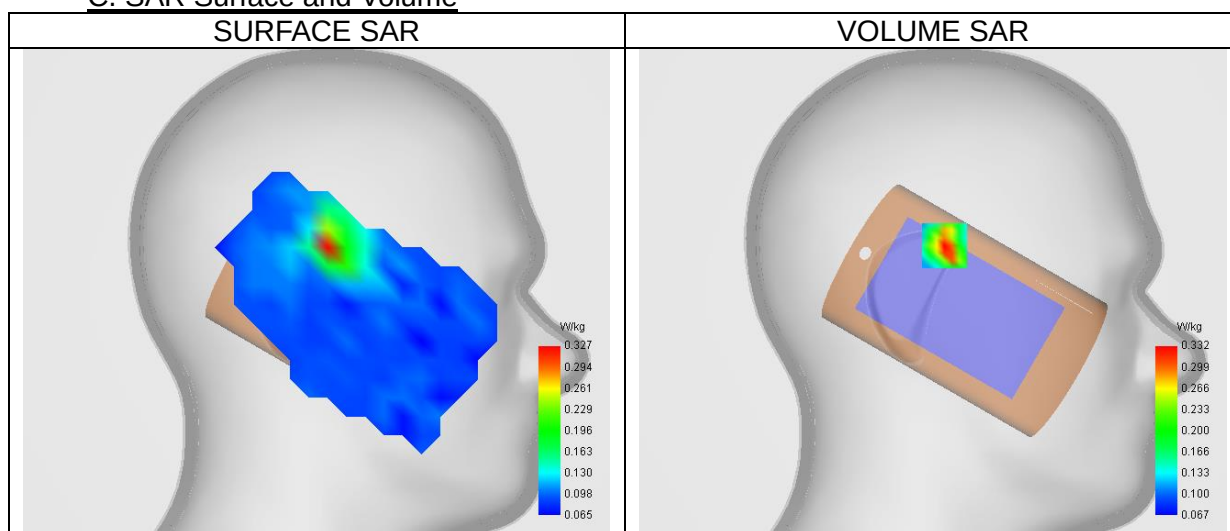
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.07
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Left head
Device Position	Cheek
Band	U-NII-1
Signal	IEEE 802.11 ax
Channels/Frequency	Middle (38)/ frequency 5190.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5190.00
Relative permittivity (real part)	36.46
Relative permittivity (imaginary part)	15.51
Conductivity (S/m)	4.47

C. SAR Surface and Volume



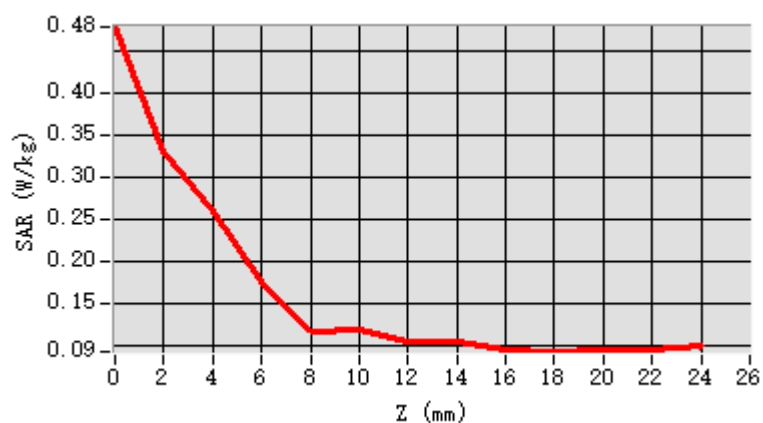
Maximum location: X=-6.00, Y=25.00 ; SAR Peak: 0.67 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.136
SAR 1g (W/Kg)	0.266
Variation (%)	-0.61
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	78.26

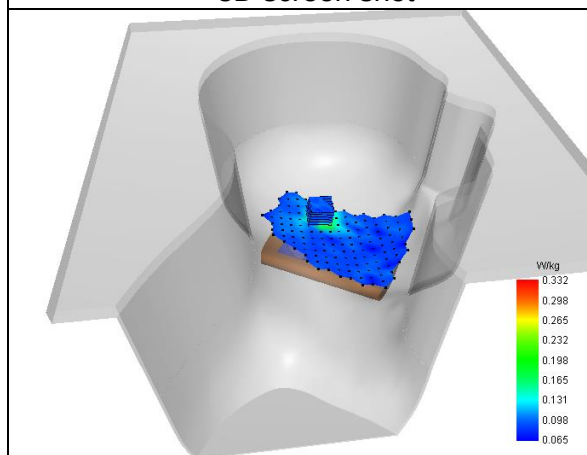
E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	0.47 9	0.33 2	0.25 9	0.17 6	0.11 6	0.11 9	0.10 4	0.10 5	0.09 4	0.09 2	0.09 4	0.09 4

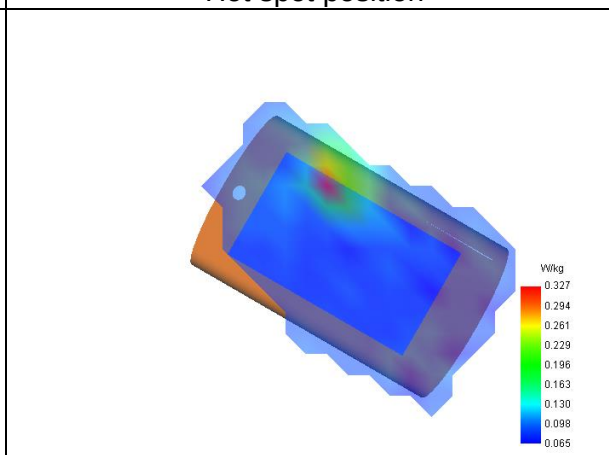


F. 3D Image

3D screen shot



Hot spot position



12# SAR Measurement at U-NII-1 (Body, Validation Plane)

Date of measurement: 19/6/2026

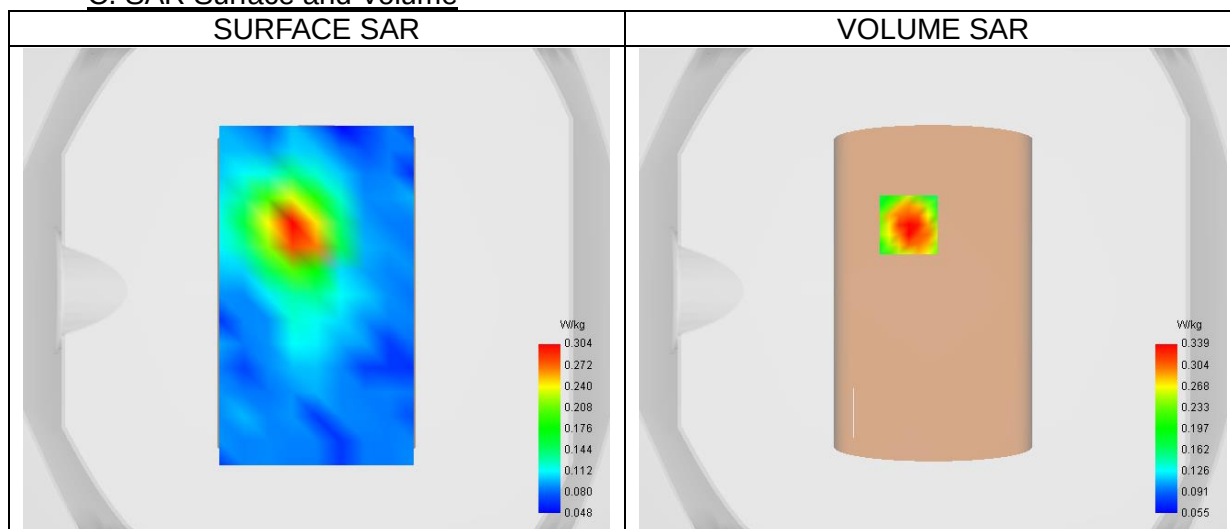
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.07
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
Signal	IEEE 802.11 ax
Channels/Frequency	Middle (40)/ frequency 5200.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5190.00
Relative permittivity (real part)	36.46
Relative permittivity (imaginary part)	15.51
Conductivity (S/m)	4.47

C. SAR Surface and Volume



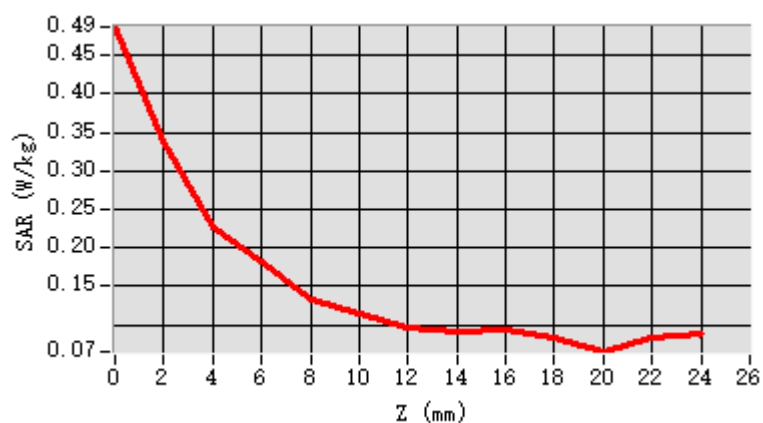
Maximum location: X=-10.00, Y=27.00 ; SAR Peak: 0.50 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.131
SAR 1g (W/Kg)	0.236
Variation (%)	-0.36
Horizontal validation criteria: minimum distance (mm)	16.97
Vertical validation criteria: SAR ratio M2/M1 (%)	74.19

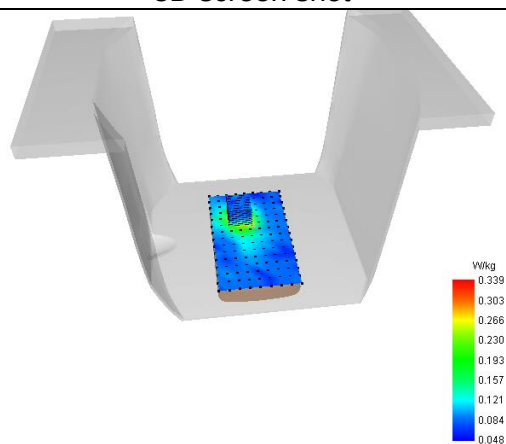
E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
						0	0	0	0	0	0	0
SAR (W/Kg)	0.48	0.33	0.22	0.18	0.13	0.11	0.09	0.09	0.09	0.08	0.06	0.08
	7	9	7	3	4	4	6	2	4	3	5	4

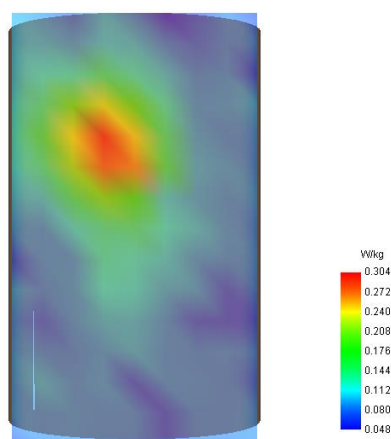


F. 3D Image

3D screen shot



Hot spot position



13# SAR Measurement at U-NII-3 (Cheek, Left)

Date of measurement: 20/6/2026

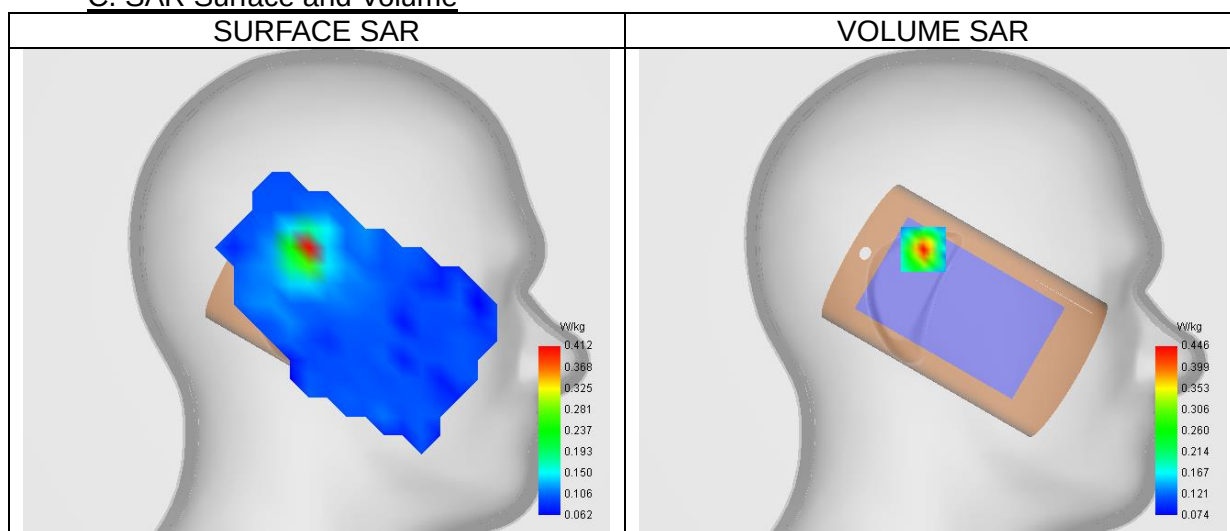
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.04
Area Scan	dx=10mm dy=10mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm,Complete
Phantom	Left head
Device Position	Cheek
Band	U-NII-3
Signal	IEEE 802.11 ax
Channels/Frequency	Middle (159)/ frequency 5795.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5795.00
Relative permittivity (real part)	35.98
Relative permittivity (imaginary part)	16.46
Conductivity (S/m)	5.30

C. SAR Surface and Volume



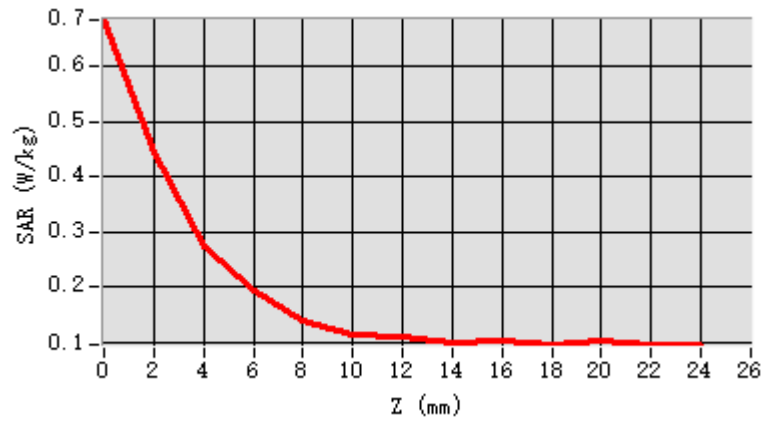
Maximum location: X=5.00, Y=23.00 ; SAR Peak: 1.06 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.175
SAR 1g (W/Kg)	0.388
Variation (%)	1.17
Horizontal validation criteria: minimum distance (mm)	8.00
Vertical validation criteria: SAR ratio M2/M1 (%)	61.20

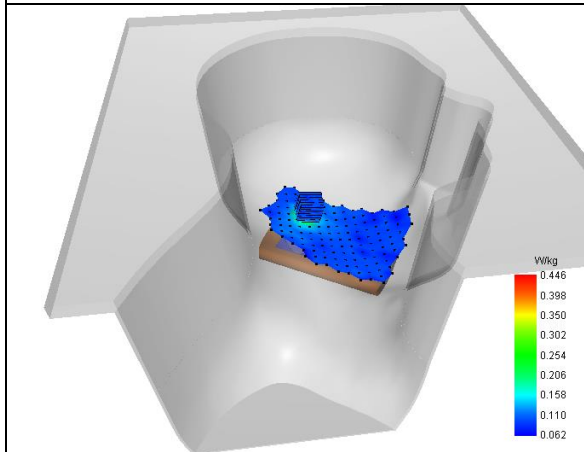
E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	0.68 3	0.44 6	0.27 3	0.19 3	0.13 9	0.11 6	0.11 1	0.10 1	0.10 5	0.09 6	0.10 3	0.09 7

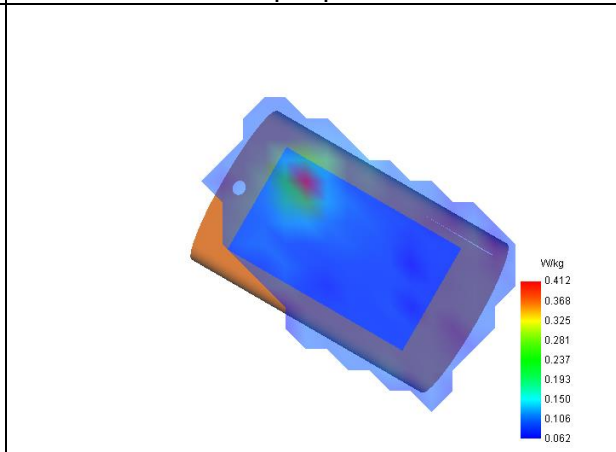


F. 3D Image

3D screen shot



Hot spot position



14# SAR Measurement at U-NII-3 (Body, Validation Plane)

Date of measurement: 20/6/2026

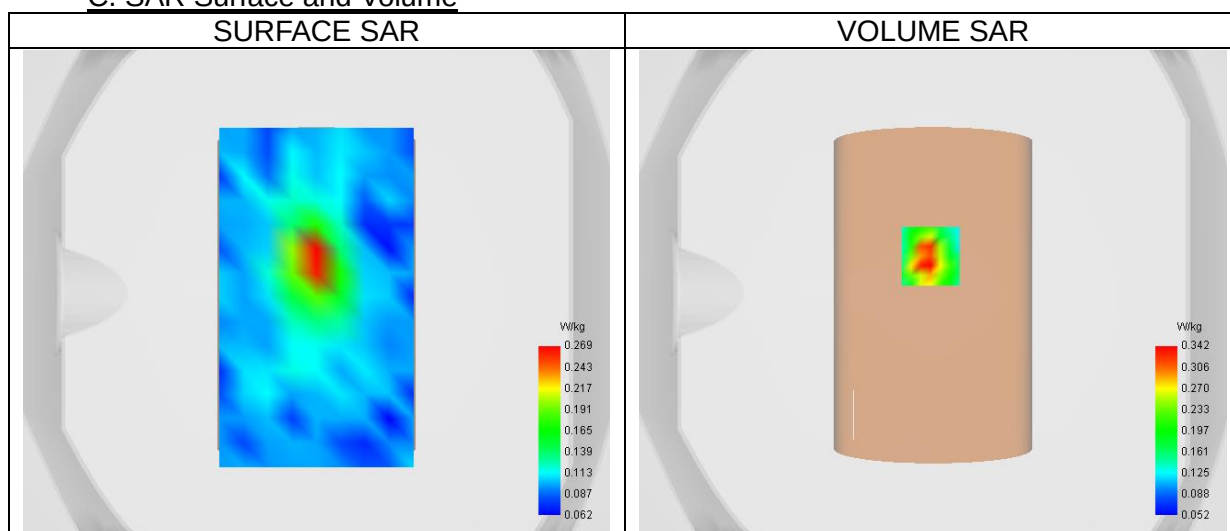
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.04
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
Signal	IEEE 802.11 ax
Channels/Frequency	Middle (159)/ frequency 5795.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	5795.00
Relative permittivity (real part)	35.98
Relative permittivity (imaginary part)	16.46
Conductivity (S/m)	5.30

C. SAR Surface and Volume



Maximum location: X=-1.00, Y=15.00 ; SAR Peak: 0.63 W/kg

D. SAR 1g & 10g

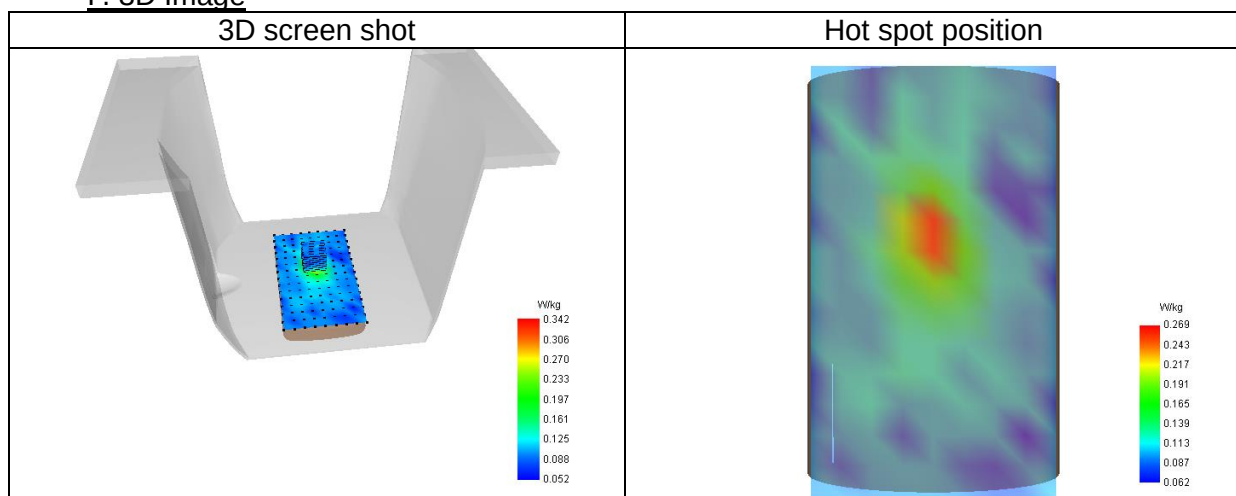
SAR 10g (W/Kg)	0.121
SAR 1g (W/Kg)	0.238
Variation (%)	-1.55
Horizontal validation criteria: minimum distance (mm)	12.00
Vertical validation criteria: SAR ratio M2/M1 (%)	63.96

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.0	12.0	14.0	16.0	18.0	20.0	22.0
SAR (W/Kg)	0.51 4	0.34 2	0.19 6	0.17 4	0.12 6	0.10 7	0.10 0	0.09 7	0.10 0	0.10 0	0.09 7	0.07 4



F. 3D Image



15# SAR Measurement at ISM (Cheek, Left)

Date of measurement: 24/6/2026

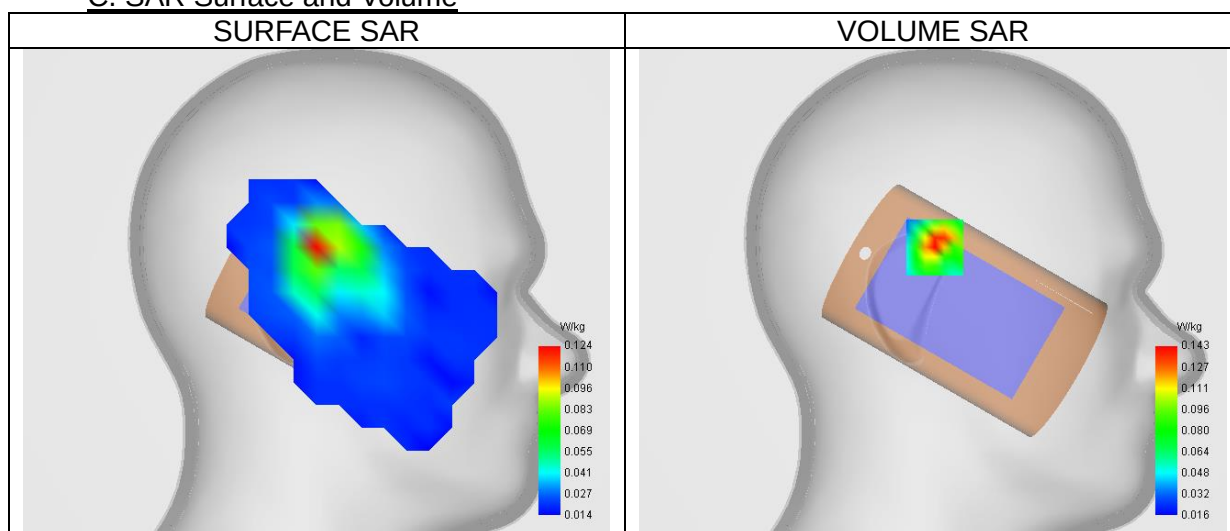
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.85
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Left head
Device Position	Cheek
Band	ISM
Signal	IEEE 802.11 b
Channels/Frequency	Middle (6)/ frequency 2437.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2437.00
Relative permittivity (real part)	41.09
Relative permittivity (imaginary part)	13.30
Conductivity (S/m)	1.80

C. SAR Surface and Volume



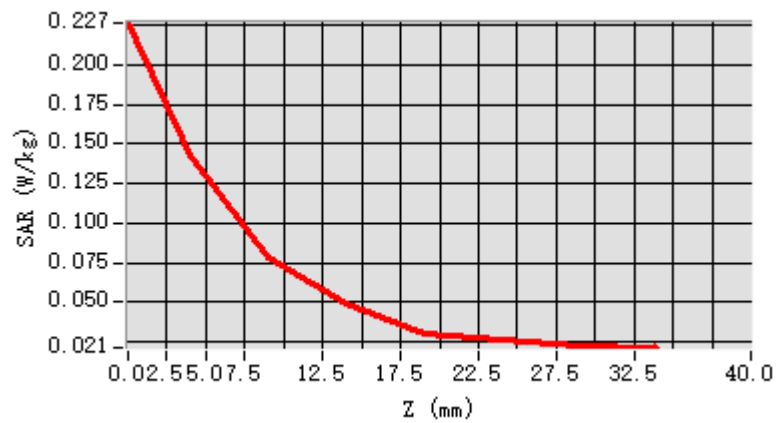
Maximum location: X=-1.00, Y=24.00 ; SAR Peak: 0.23 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.067
SAR 1g (W/Kg)	0.129
Variation (%)	-3.52
Horizontal validation criteria: minimum distance (mm)	11.18
Vertical validation criteria: SAR ratio M2/M1 (%)	55.25

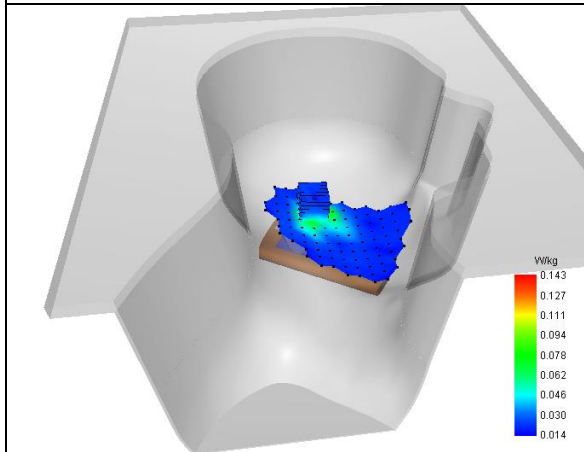
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.227	0.143	0.078	0.049	0.030	0.027	0.022

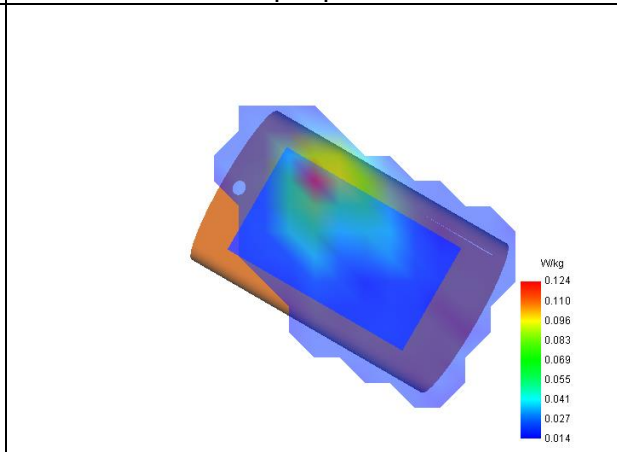


F. 3D Image

3D screen shot



Hot spot position



16# SAR Measurement at ISM (Body, Validation Plane)

Date of measurement: 24/6/2026

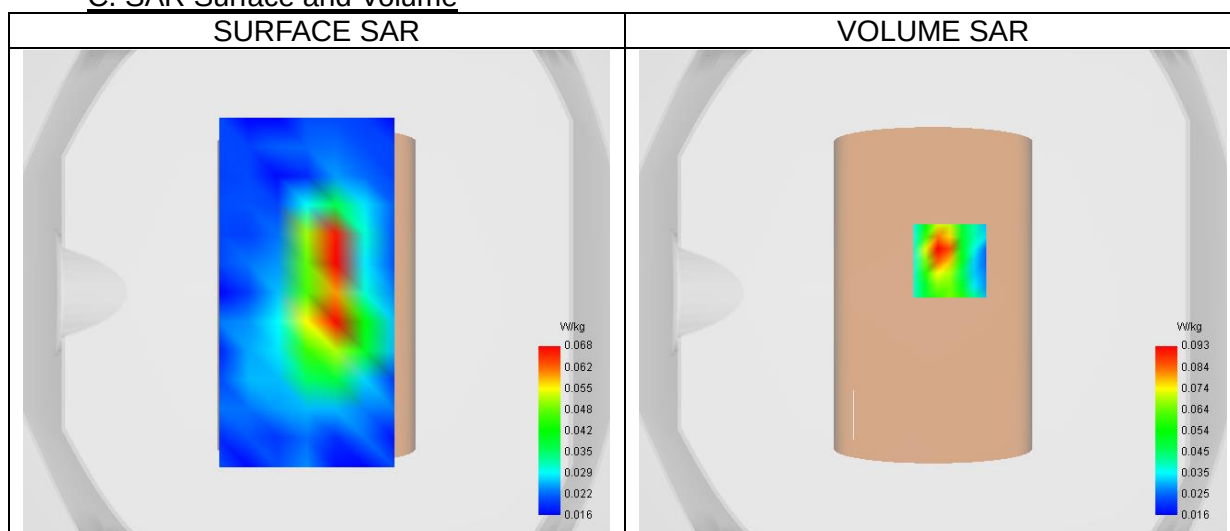
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.85
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
Signal	IEEE 802.11 b
Channels/Frequency	Middle (6)/ frequency 2437.00 Mhz

B. Permittivity

Middle TX Frequency (MHz)	2437.00
Relative permittivity (real part)	41.09
Relative permittivity (imaginary part)	13.30
Conductivity (S/m)	1.80

C. SAR Surface and Volume



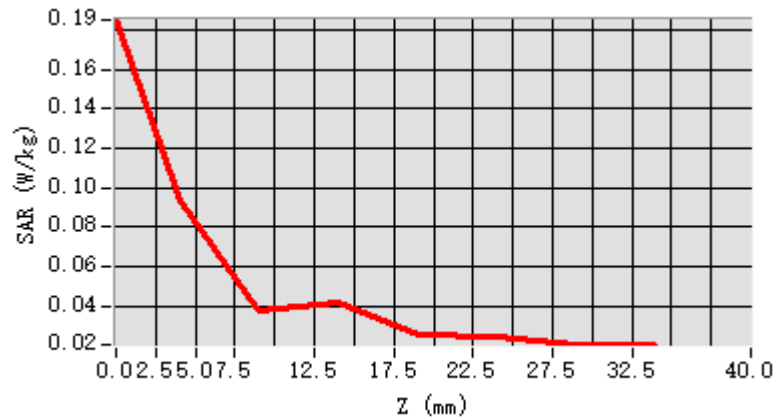
Maximum location: X=7.00, Y=13.00 ; SAR Peak: 0.13 W/kg

D. SAR 1g & 10g

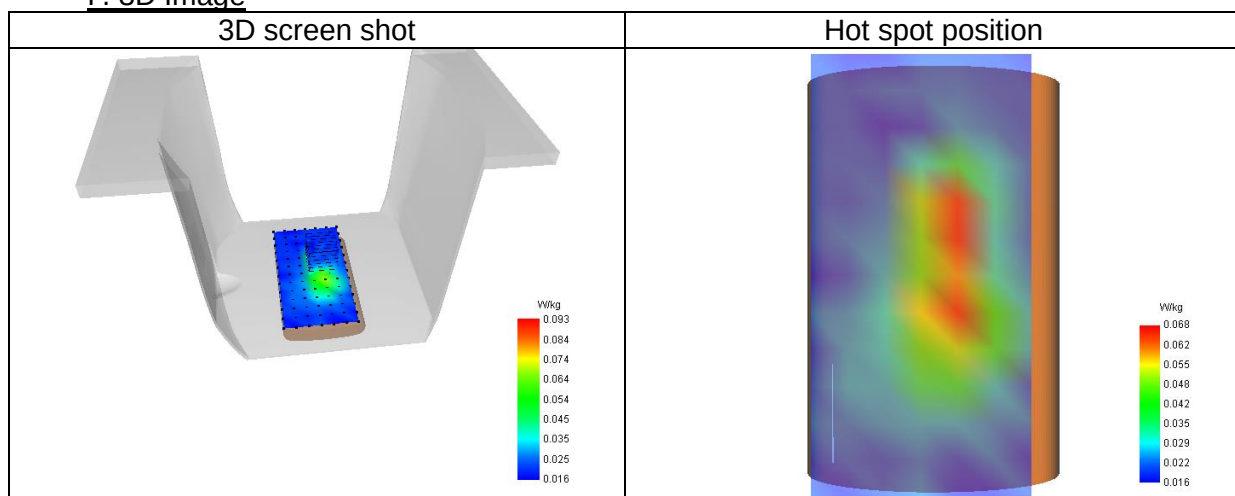
SAR 10g (W/Kg)	0.046
SAR 1g (W/Kg)	0.082
Variation (%)	-1.81
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	65.20

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.185	0.093	0.037	0.042	0.025	0.024	0.021



F. 3D Image



17# SAR Measurement at LTE band 2 (Cheek, Left)

Date of measurement: 23/6/2026

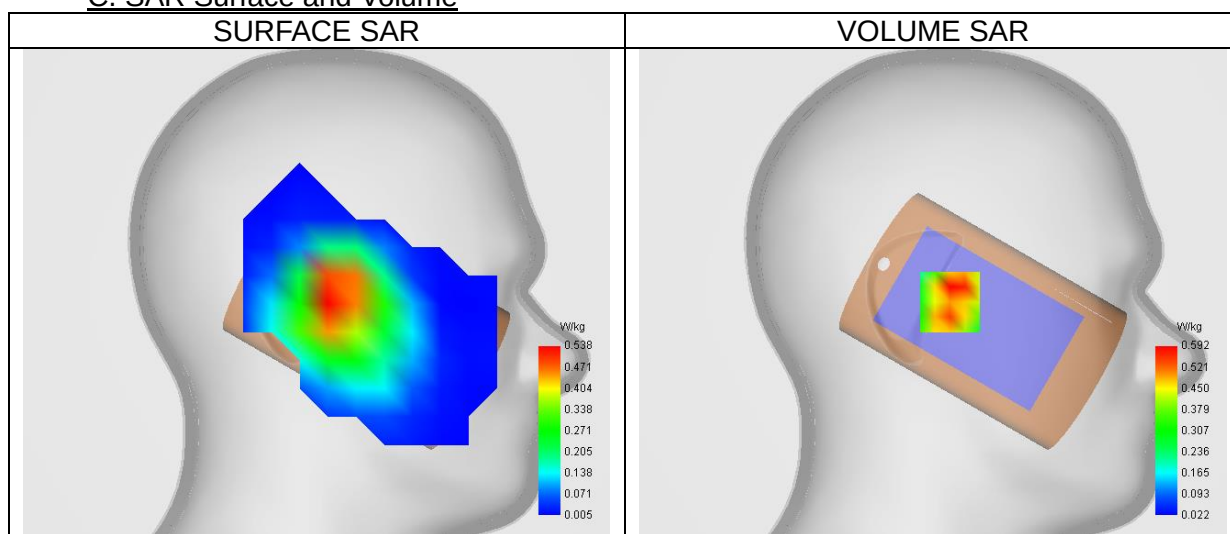
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.63
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 2
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (18900)/ frequency 1880.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1880.00

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.38
Relative permittivity (imaginary part)	13.66
Conductivity (S/m)	1.43

C. SAR Surface and Volume



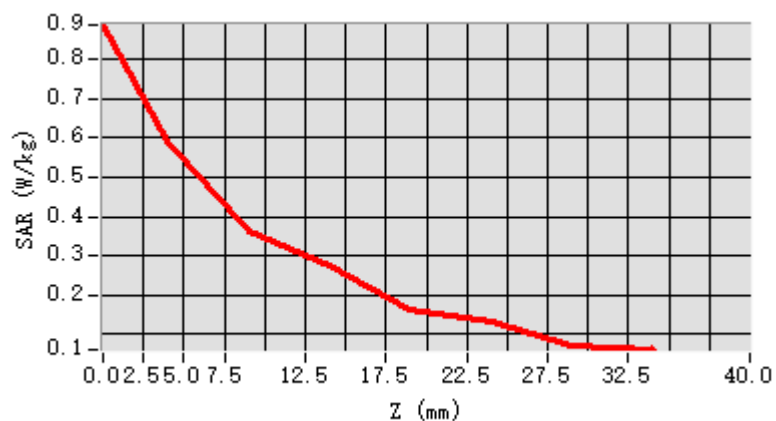
Maximum location: X=-9.00, Y=-5.00 ; SAR Peak: 0.81 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.340
SAR 1g (W/Kg)	0.562
Variation (%)	2.04
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	70.08

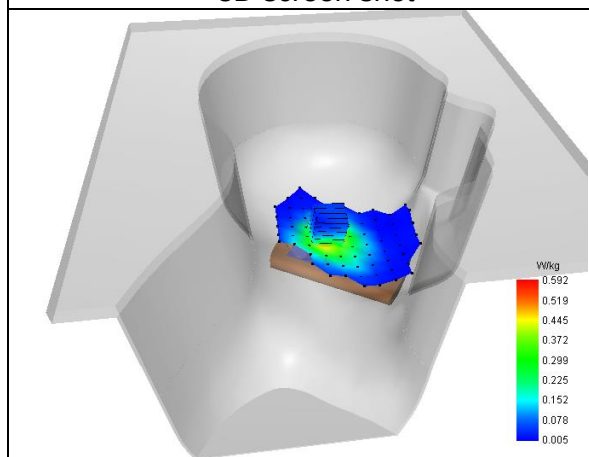
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.888	0.592	0.364	0.276	0.161	0.134	0.073

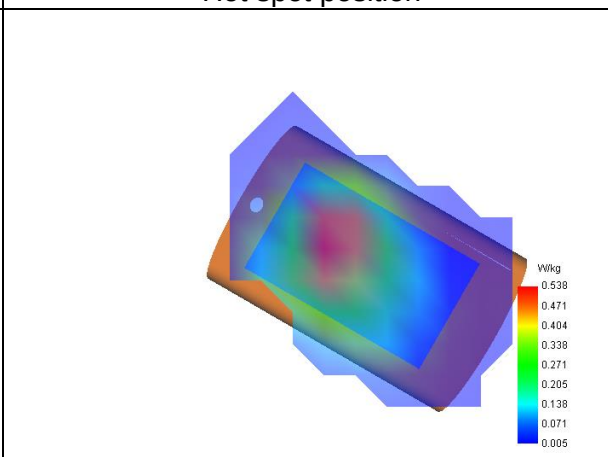


F. 3D Image

3D screen shot



Hot spot position



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

Date of measurement: 23/6/2026

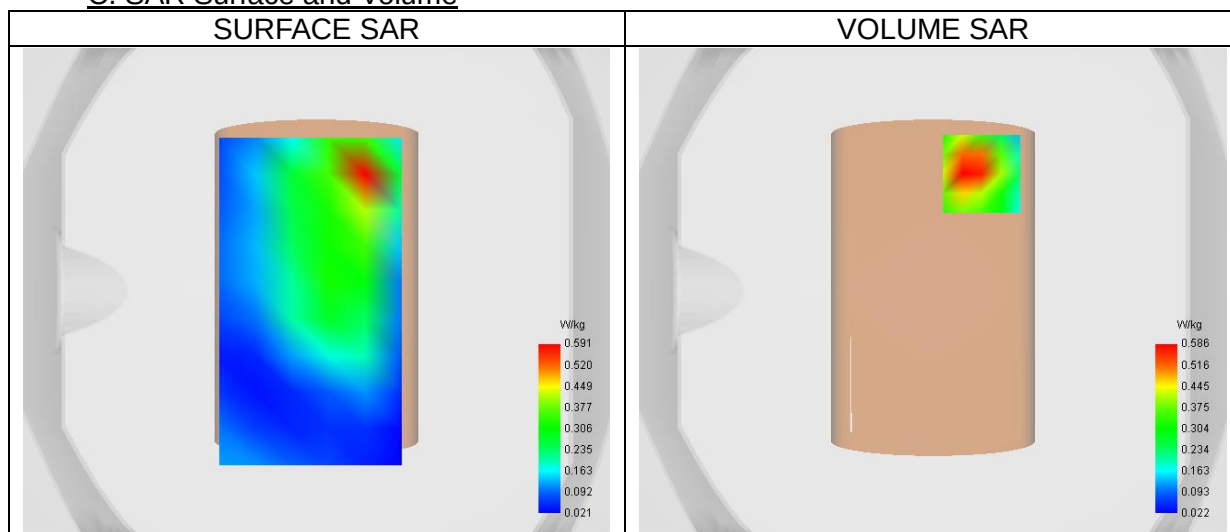
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.63
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
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (18900)/ frequency 1880.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1880.00

B. Permittivity

Middle TX Frequency (MHz)	1880.00
Relative permittivity (real part)	39.38
Relative permittivity (imaginary part)	13.66
Conductivity (S/m)	1.43

C. SAR Surface and Volume



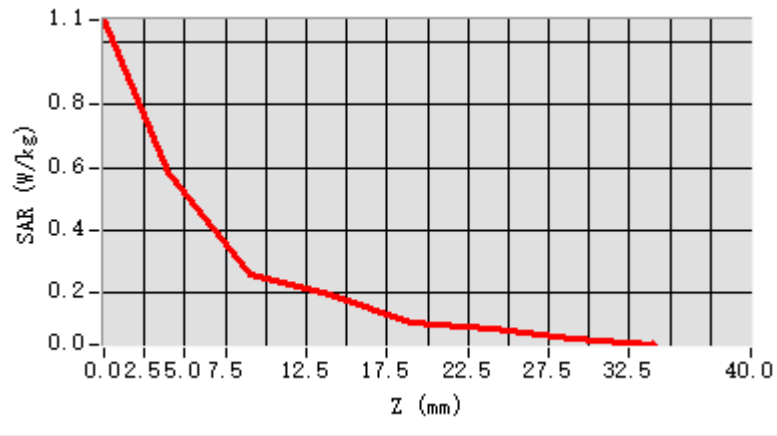
Maximum location: X=20.00, Y=48.00 ; SAR Peak: 1.03 W/kg

D. SAR 1g & 10g

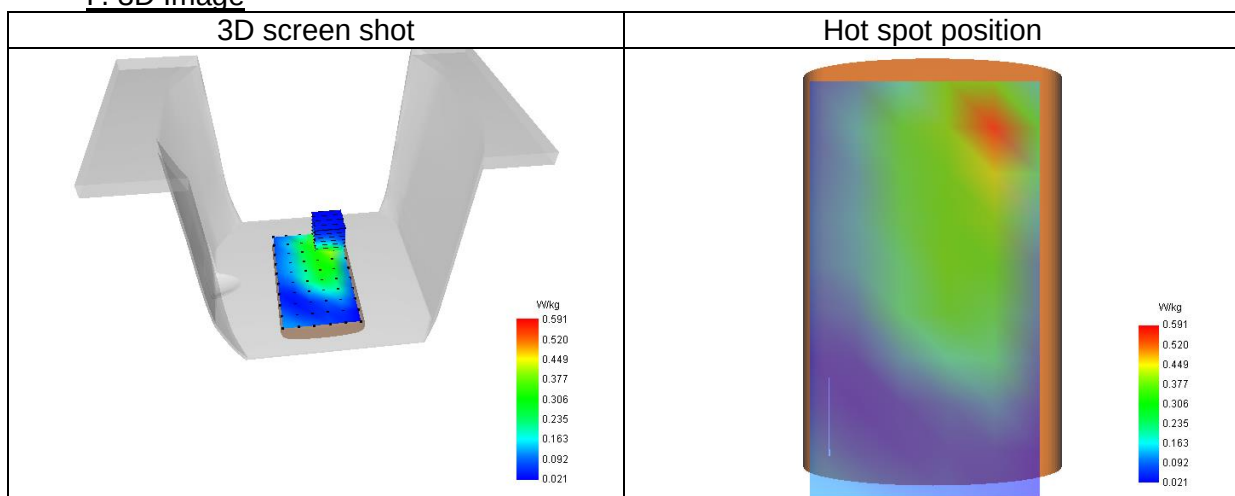
SAR 10g (W/Kg)	0.302
SAR 1g (W/Kg)	0.589
Variation (%)	2.28
Horizontal validation criteria: minimum distance (mm)	22.63
Vertical validation criteria: SAR ratio M2/M1 (%)	56.41

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.070	0.586	0.262	0.197	0.106	0.084	0.054



F. 3D Image



19# SAR Measurement at LTE band 4 (Cheek, Left)

Date of measurement: 21/6/2026

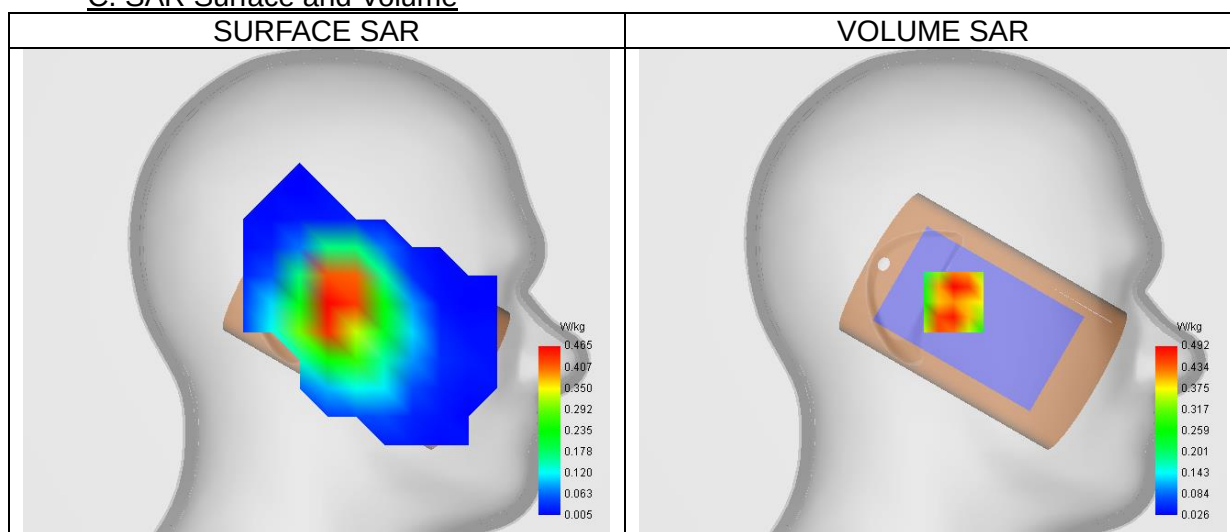
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.45
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 4
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (20175)/ frequency 1732.50 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1732.50

B. Permittivity

Middle TX Frequency (MHz)	1732.50
Relative permittivity (real part)	41.01
Relative permittivity (imaginary part)	14.13
Conductivity (S/m)	1.36

C. SAR Surface and Volume



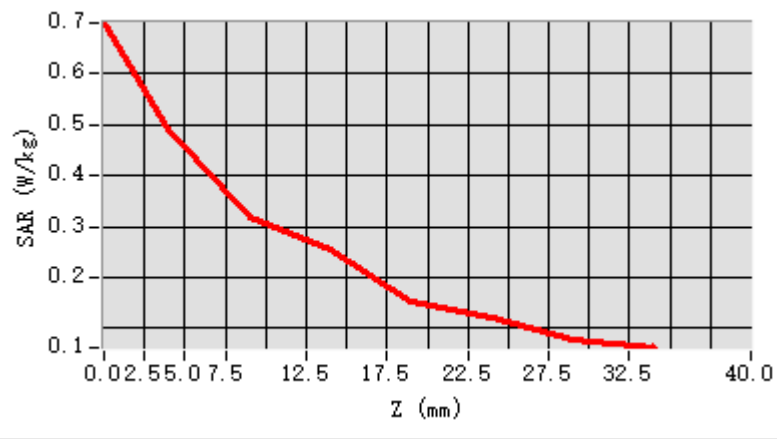
Maximum location: X=-11.00, Y=-5.00 ; SAR Peak: 0.69 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.285
SAR 1g (W/Kg)	0.472
Variation (%)	-1.47
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	77.91

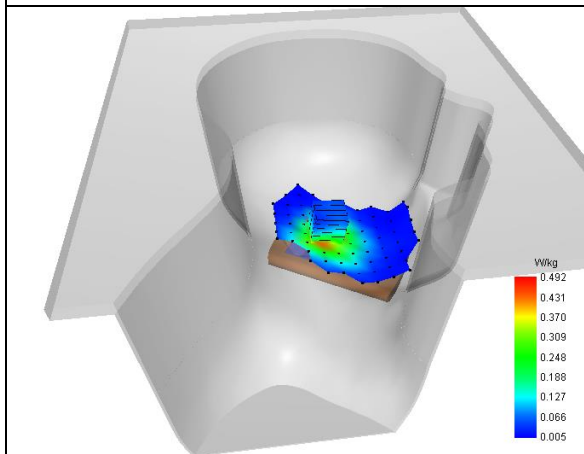
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.700	0.492	0.316	0.254	0.151	0.119	0.077

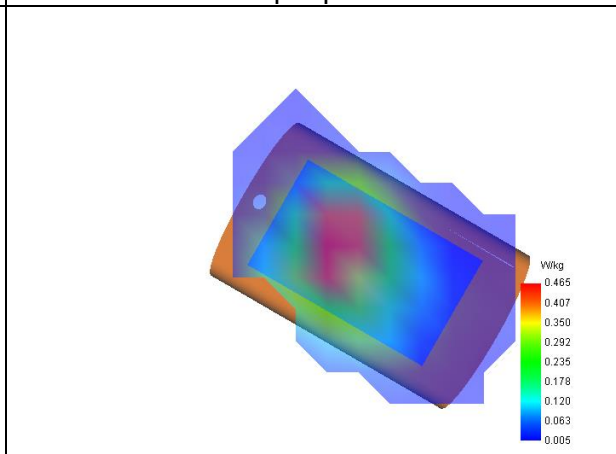


F. 3D Image

3D screen shot



Hot spot position



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

Date of measurement: 21/6/2026

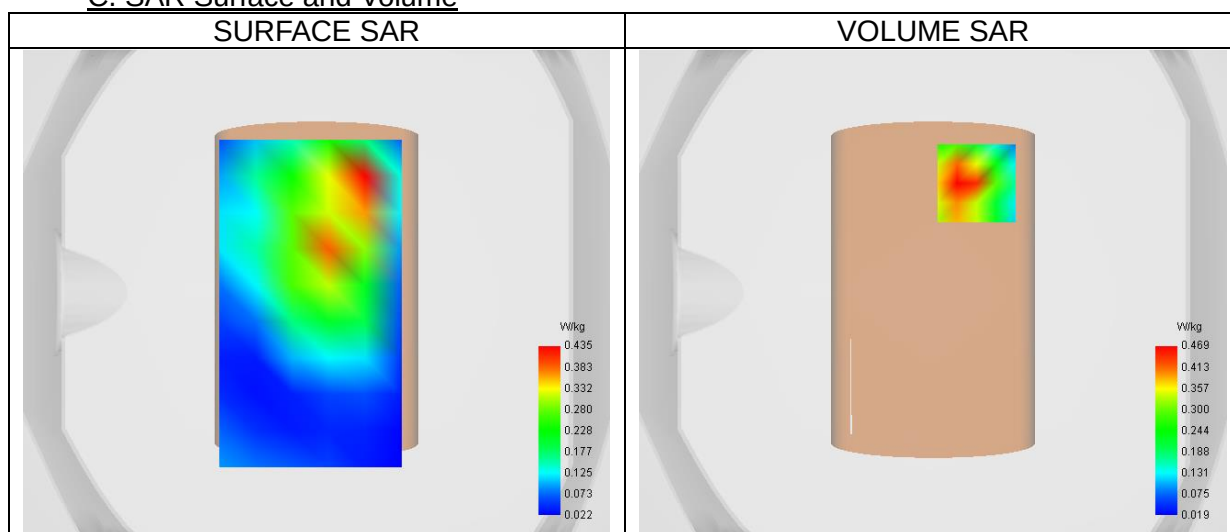
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.45
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
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (20175)/ frequency 1732.50 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1732.50

B. Permittivity

Middle TX Frequency (MHz)	1732.50
Relative permittivity (real part)	41.01
Relative permittivity (imaginary part)	14.13
Conductivity (S/m)	1.36

C. SAR Surface and Volume



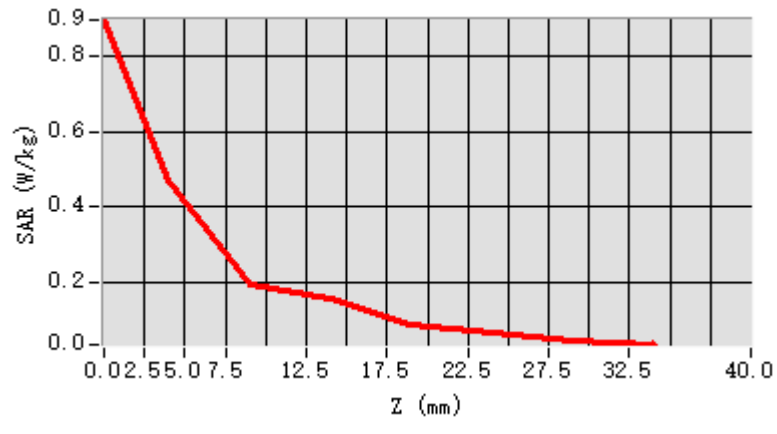
Maximum location: X=18.00, Y=45.00 ; SAR Peak: 0.79 W/kg

D. SAR 1g & 10g

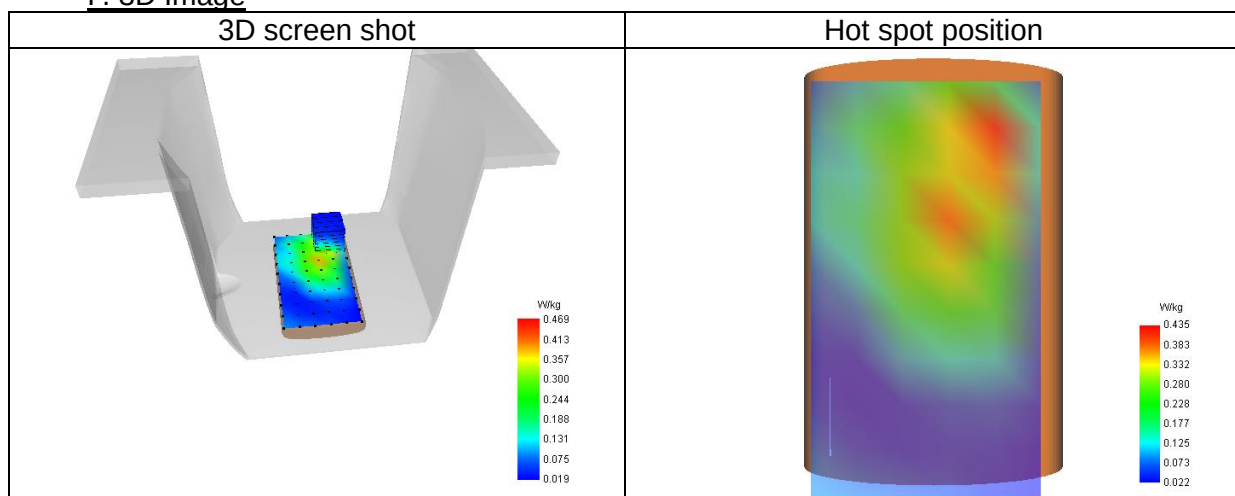
SAR 10g (W/Kg)	0.233
SAR 1g (W/Kg)	0.451
Variation (%)	1.03
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	55.70

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.898	0.469	0.195	0.157	0.087	0.066	0.043



F. 3D Image



21# SAR Measurement at LTE band 5 (Cheek, Left)

Date of measurement: 20/6/2026

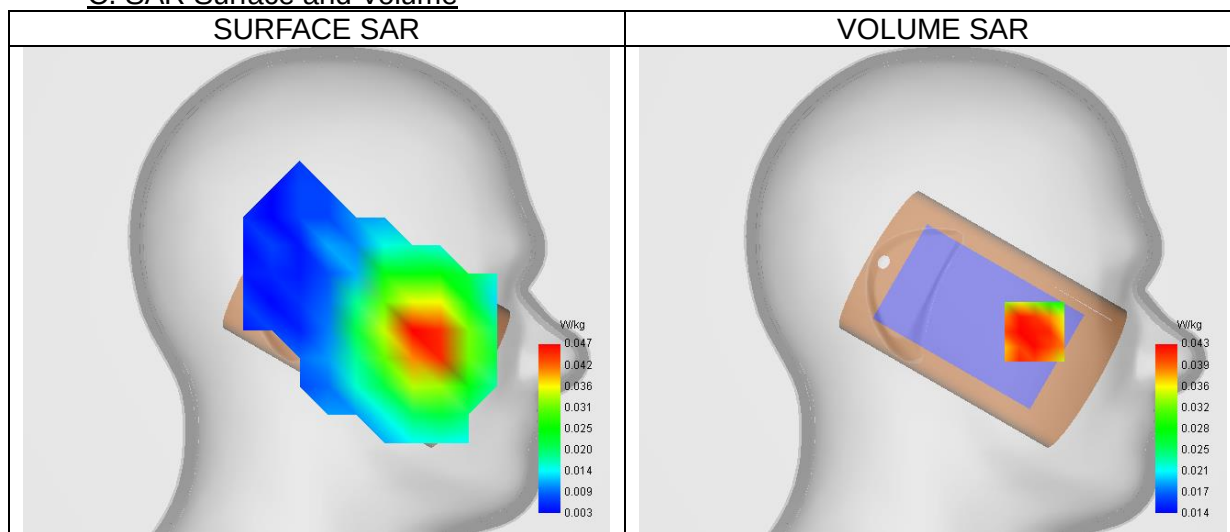
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 5
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (20525)/ frequency 836.50 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	836.50

B. Permittivity

Middle TX Frequency (MHz)	836.50
Relative permittivity (real part)	42.94
Relative permittivity (imaginary part)	20.20
Conductivity (S/m)	0.94

C. SAR Surface and Volume



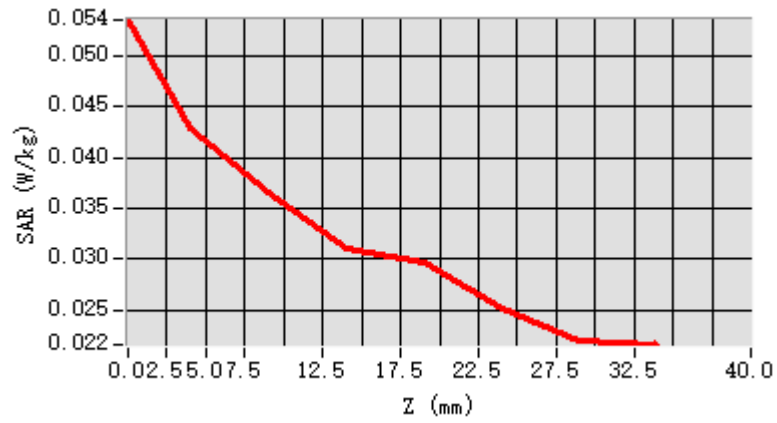
Maximum location: X=-54.00, Y=-22.00 ; SAR Peak: 0.06 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.035
SAR 1g (W/Kg)	0.044
Variation (%)	-3.07
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

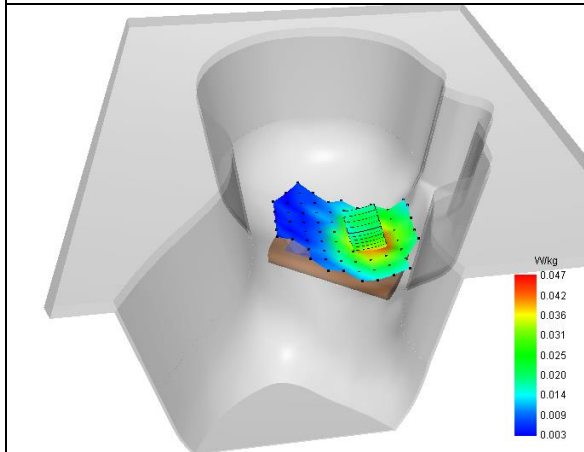
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.054	0.043	0.037	0.031	0.030	0.025	0.022

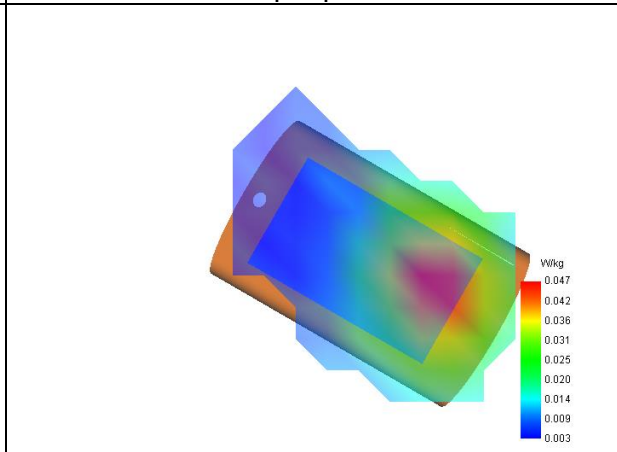


F. 3D Image

3D screen shot



Hot spot position



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

Date of measurement: 20/6/2026

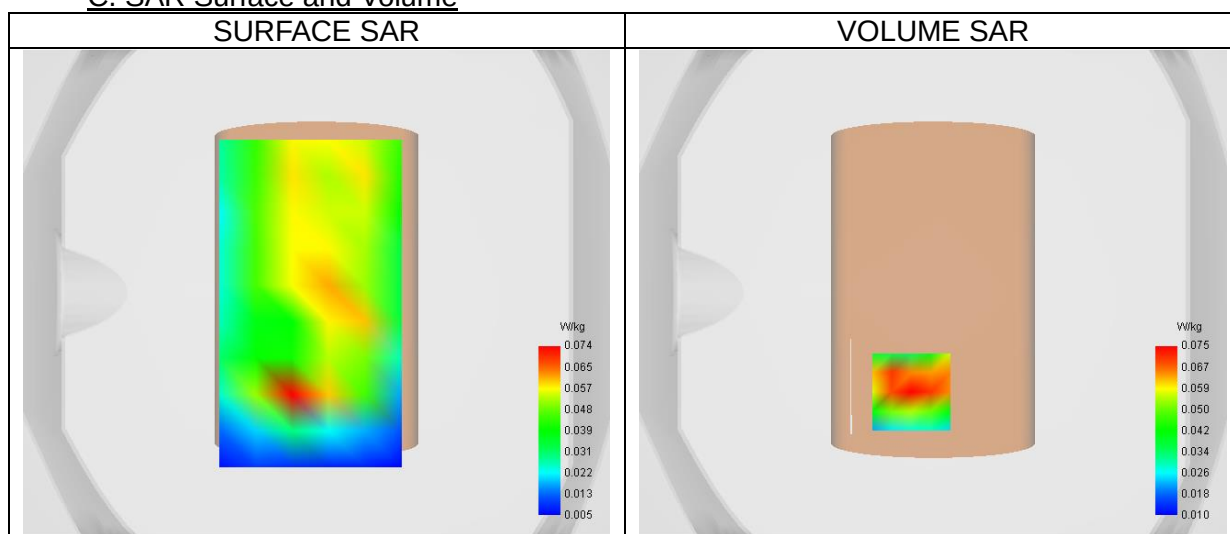
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.32
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
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (20525)/ frequency 836.50 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	836.50

B. Permittivity

Middle TX Frequency (MHz)	836.50
Relative permittivity (real part)	42.94
Relative permittivity (imaginary part)	20.20
Conductivity (S/m)	0.94

C. SAR Surface and Volume



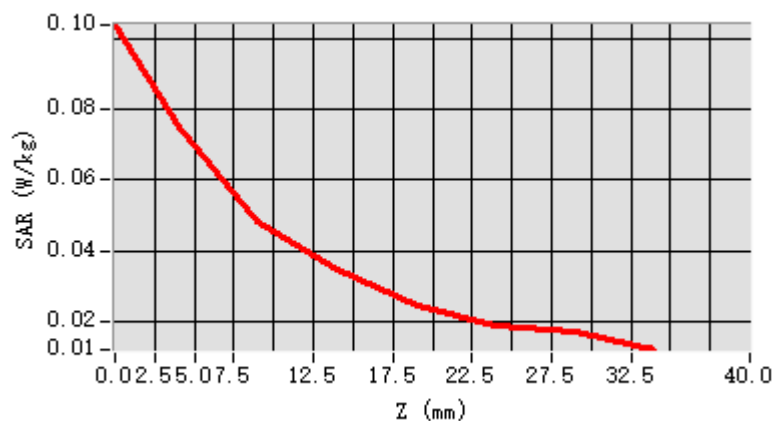
Maximum location: X=-9.00, Y=-41.00 ; SAR Peak: 0.12 W/kg

D. SAR 1g & 10g

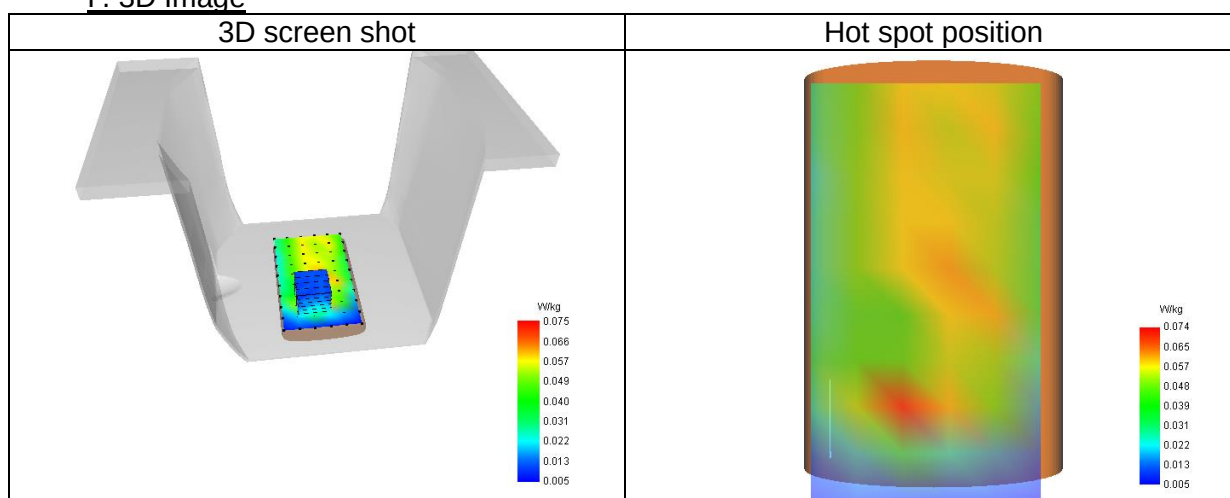
SAR 10g (W/Kg)	0.043
SAR 1g (W/Kg)	0.072
Variation (%)	-4.35
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	64.76

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.104	0.075	0.048	0.035	0.025	0.019	0.017



F. 3D Image



23# SAR Measurement at LTE band 7 (Cheek, Left)

Date of measurement: 22/6/2026

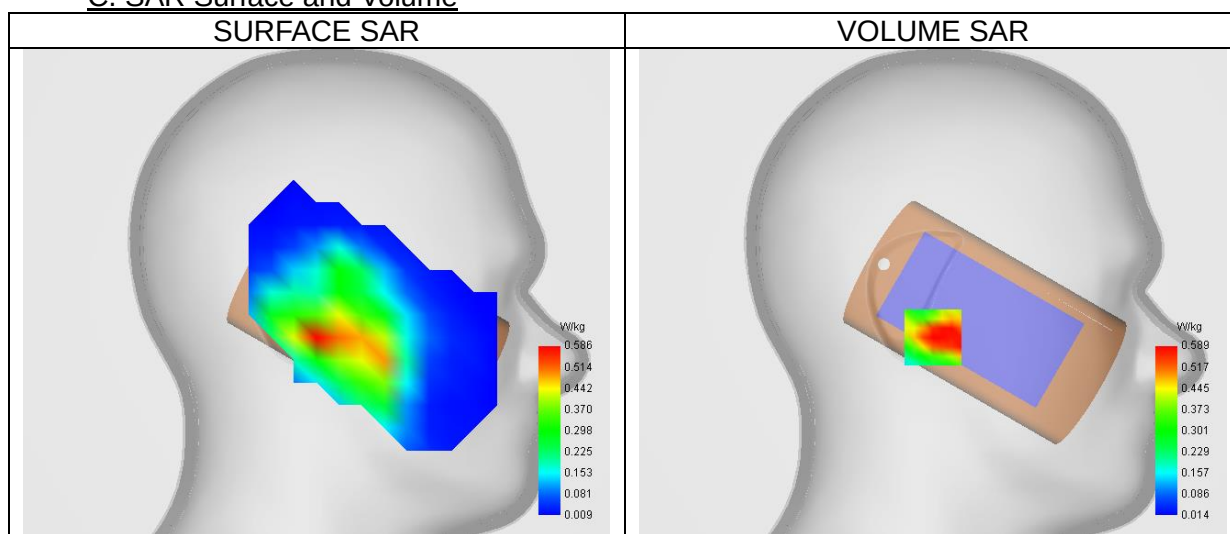
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.65
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 7
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (21100)/ frequency 2535.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	2535.00

B. Permittivity

Middle TX Frequency (MHz)	2535.00
Relative permittivity (real part)	39.95
Relative permittivity (imaginary part)	13.46
Conductivity (S/m)	1.90

C. SAR Surface and Volume



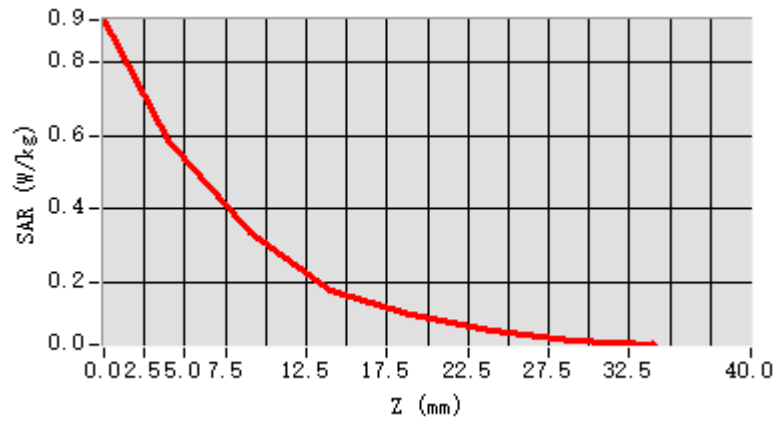
Maximum location: X=0.00, Y=-24.00 ; SAR Peak: 0.92 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.275
SAR 1g (W/Kg)	0.560
Variation (%)	4.24
Horizontal validation criteria: minimum distance (mm)	14.14
Vertical validation criteria: SAR ratio M2/M1 (%)	61.64

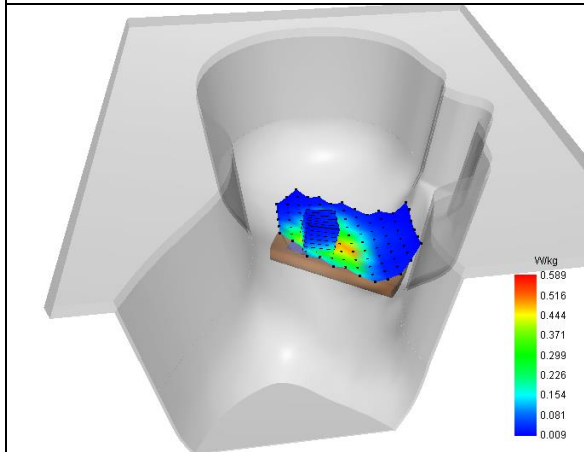
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.916	0.589	0.333	0.178	0.108	0.066	0.040

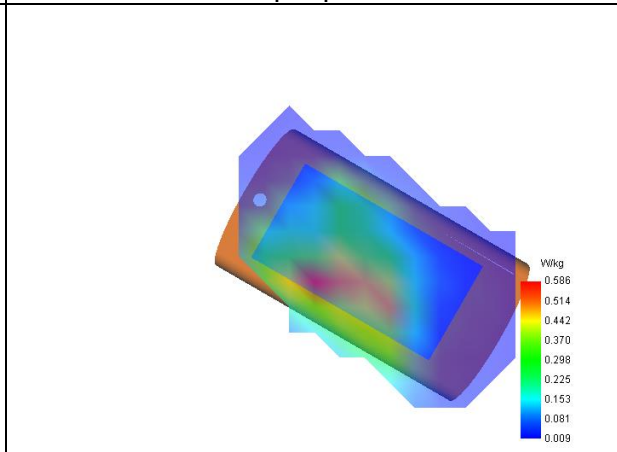


F. 3D Image

3D screen shot



Hot spot position



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

Date of measurement: 22/6/2026

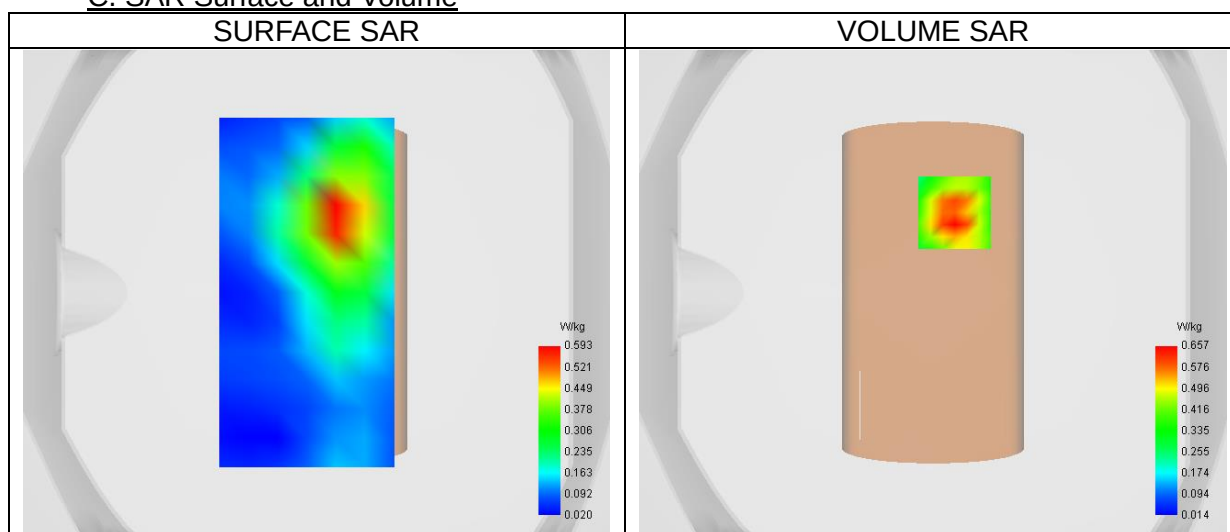
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.65
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
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (21100)/ frequency 2535.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	2535.00

B. Permittivity

Middle TX Frequency (MHz)	2535.00
Relative permittivity (real part)	39.95
Relative permittivity (imaginary part)	13.46
Conductivity (S/m)	1.90

C. SAR Surface and Volume



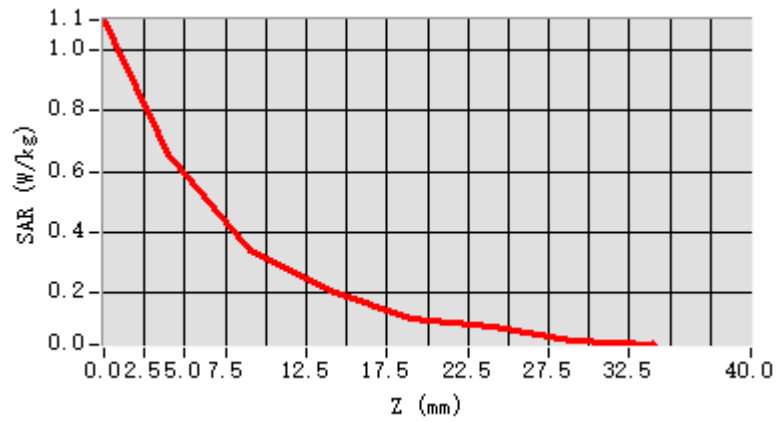
Maximum location: X=9.00, Y=33.00 ; SAR Peak: 1.05 W/kg

D. SAR 1g & 10g

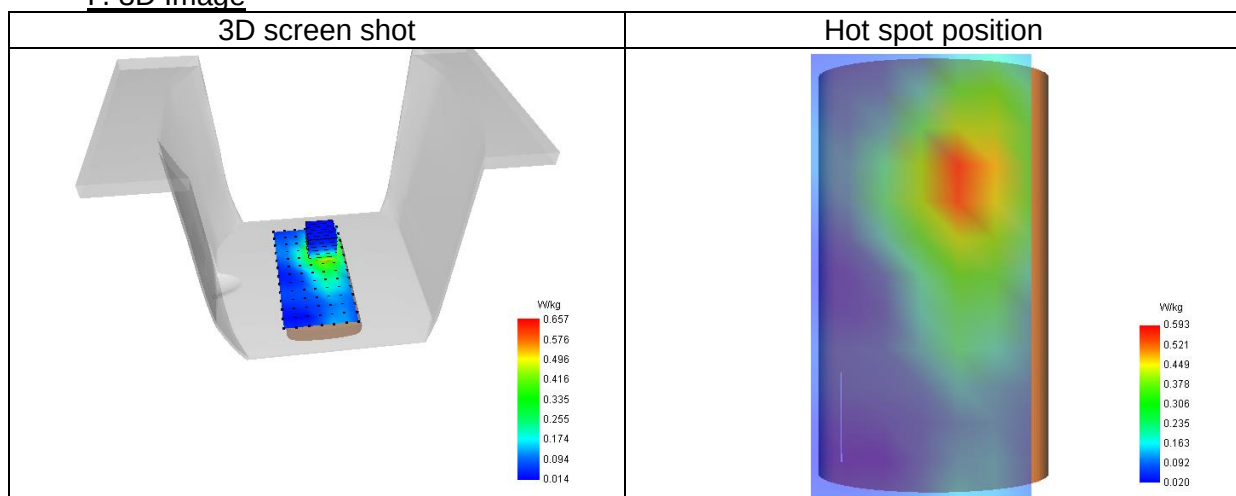
SAR 10g (W/Kg)	0.324
SAR 1g (W/Kg)	0.585
Variation (%)	2.22
Horizontal validation criteria: minimum distance (mm)	18.03
Vertical validation criteria: SAR ratio M2/M1 (%)	54.59

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.101	0.657	0.337	0.208	0.111	0.088	0.043



F. 3D Image



25# SAR Measurement at LTE band 12 (Cheek, Left)

Date of measurement: 19/6/2026

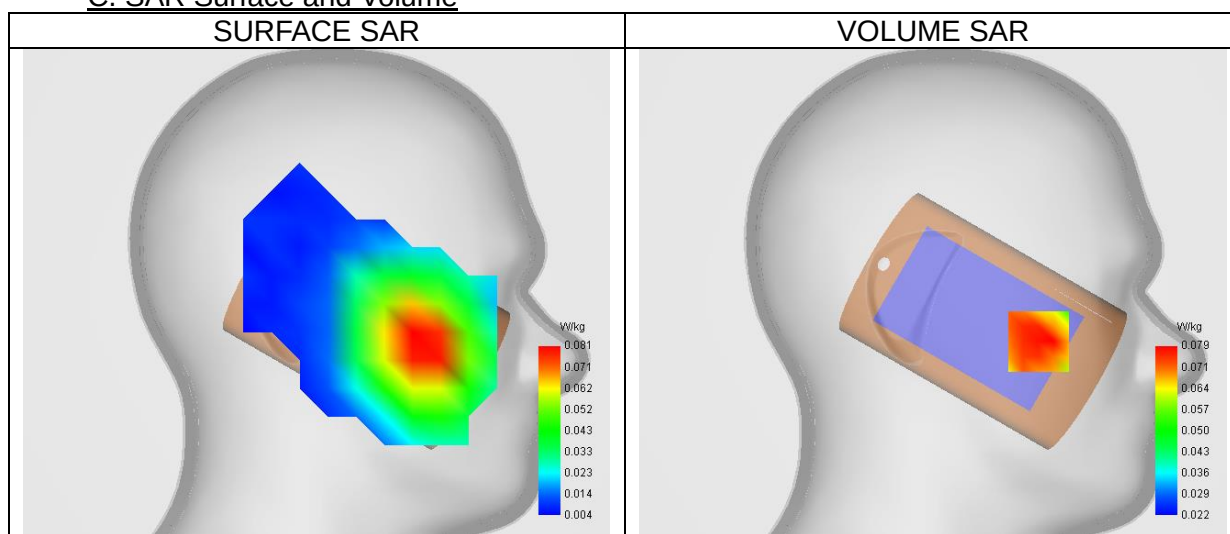
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.37
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 12
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23095)/ frequency 707.50 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	707.50

B. Permittivity

Middle TX Frequency (MHz)	707.50
Relative permittivity (real part)	41.34
Relative permittivity (imaginary part)	21.58
Conductivity (S/m)	0.85

C. SAR Surface and Volume



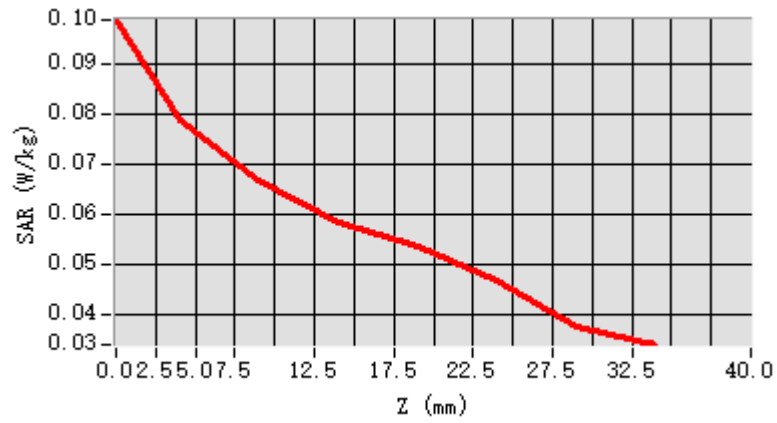
Maximum location: X=-56.00, Y=-26.00 ; SAR Peak: 0.10 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.064
SAR 1g (W/Kg)	0.078
Variation (%)	-4.38
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

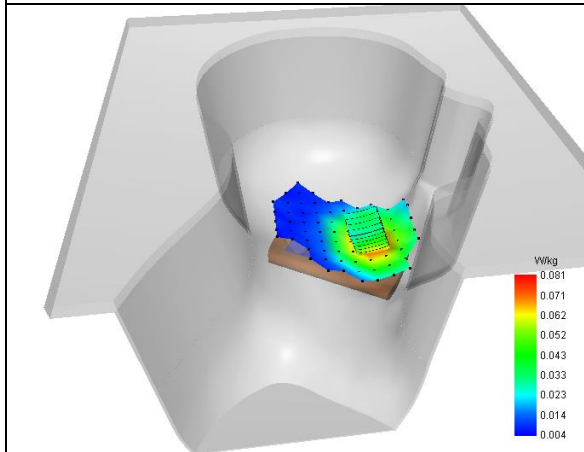
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.099	0.079	0.067	0.058	0.053	0.047	0.038

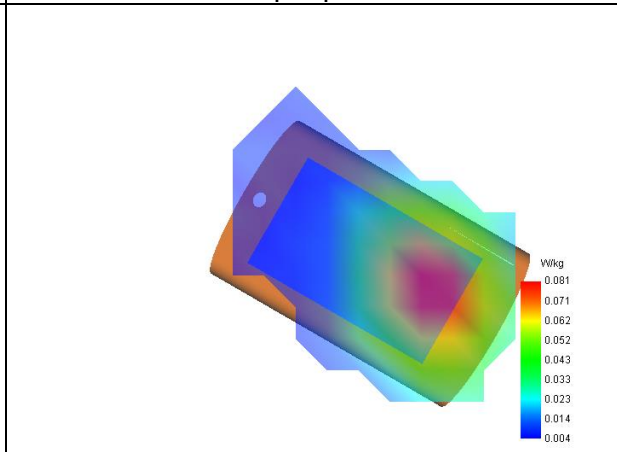


F. 3D Image

3D screen shot



Hot spot position



26# SAR Measurement at LTE band 12 (Body, Validation Plane)

Date of measurement: 19/6/2026

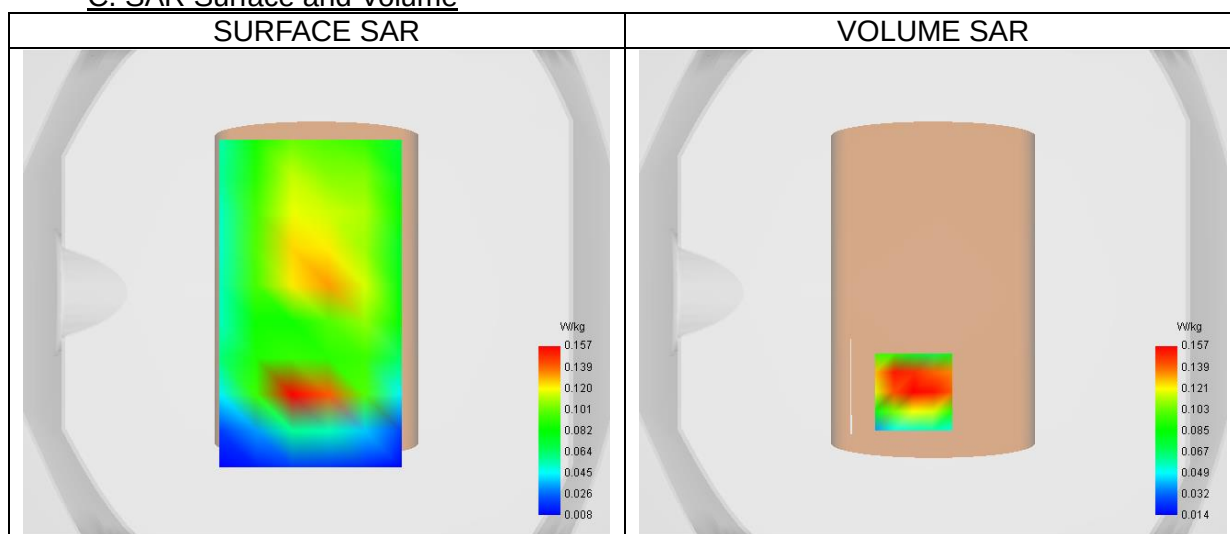
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.37
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
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23095)/ frequency 707.50 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	707.50

B. Permittivity

Middle TX Frequency (MHz)	707.50
Relative permittivity (real part)	41.34
Relative permittivity (imaginary part)	21.58
Conductivity (S/m)	0.85

C. SAR Surface and Volume



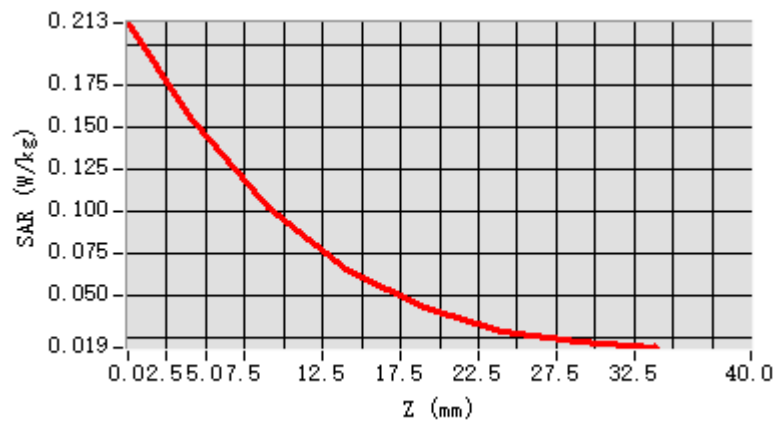
Maximum location: X=-8.00, Y=-41.00 ; SAR Peak: 0.25 W/kg

D. SAR 1g & 10g

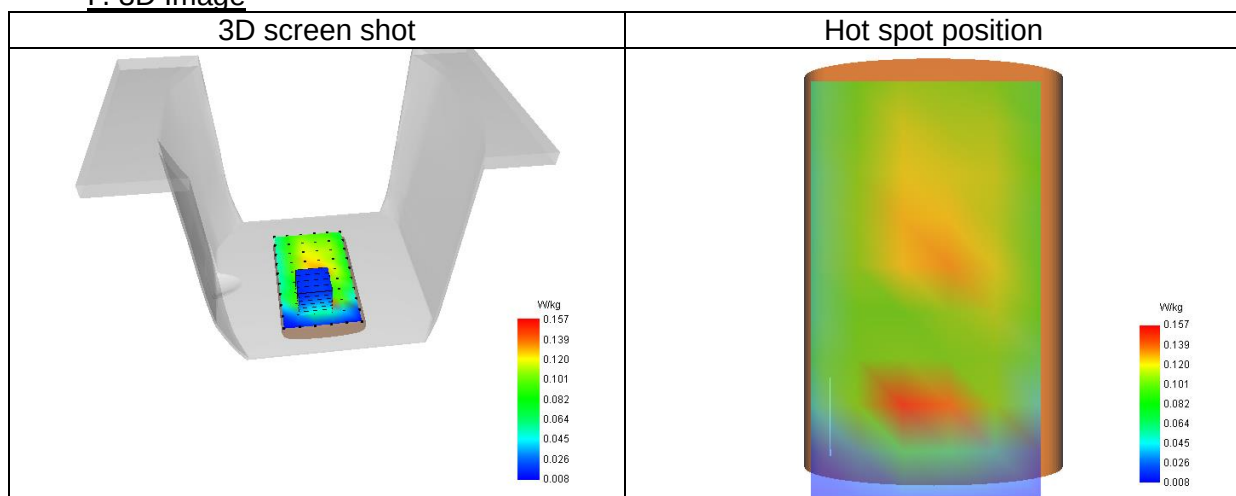
SAR 10g (W/Kg)	0.088
SAR 1g (W/Kg)	0.151
Variation (%)	-4.30
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	65.74

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.213	0.157	0.103	0.065	0.042	0.028	0.023



F. 3D Image



27# SAR Measurement at LTE band 17 (Cheek, Left)

Date of measurement: 19/6/2026

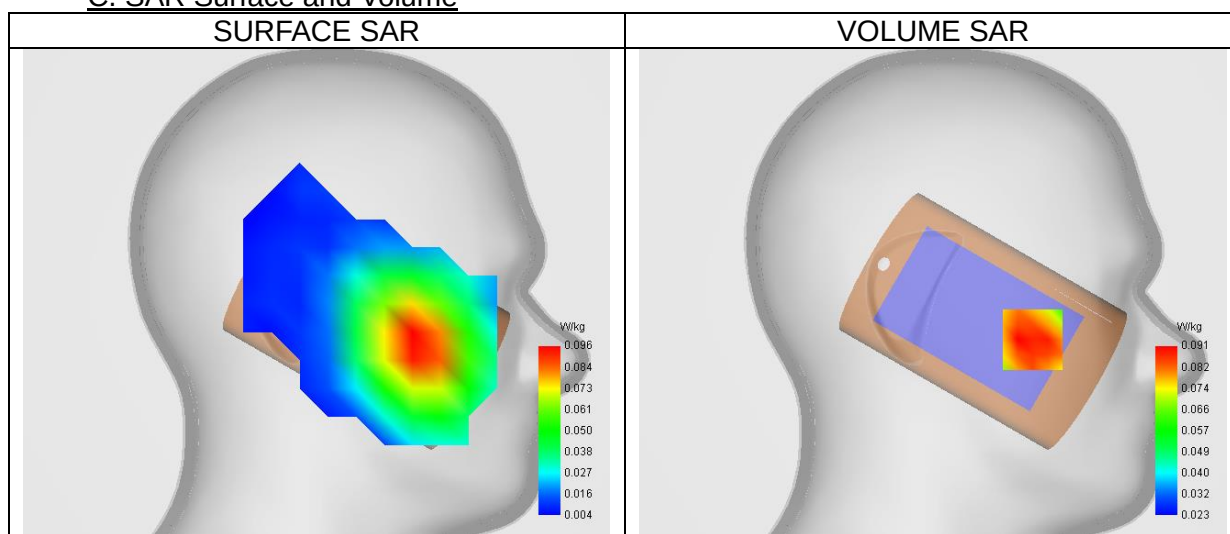
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.37
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	LTE band 17
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23790)/ frequency 710.00 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	710.00

B. Permittivity

Middle TX Frequency (MHz)	710.00
Relative permittivity (real part)	41.32
Relative permittivity (imaginary part)	21.52
Conductivity (S/m)	0.85

C. SAR Surface and Volume



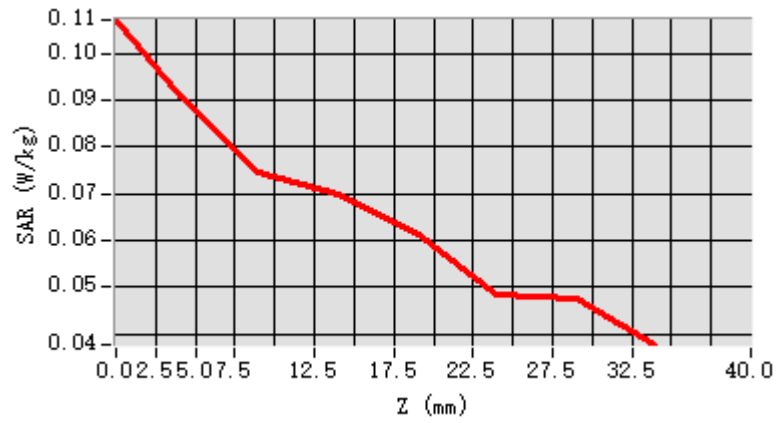
Maximum location: X=-53.00, Y=-25.00 ; SAR Peak: 0.11 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.072
SAR 1g (W/Kg)	0.089
Variation (%)	-3.26
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

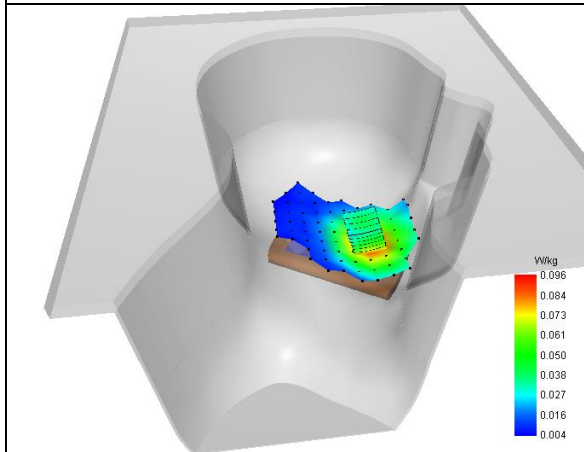
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.107	0.091	0.075	0.070	0.061	0.048	0.048

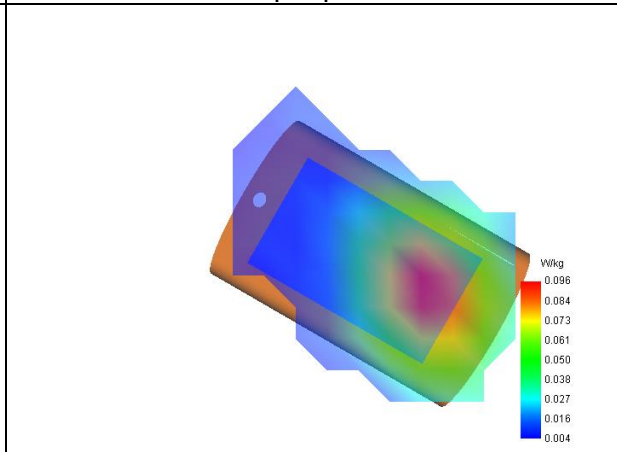


F. 3D Image

3D screen shot



Hot spot position



28# SAR Measurement at LTE band 17 (Body, Validation Plane)

Date of measurement: 19/6/2026

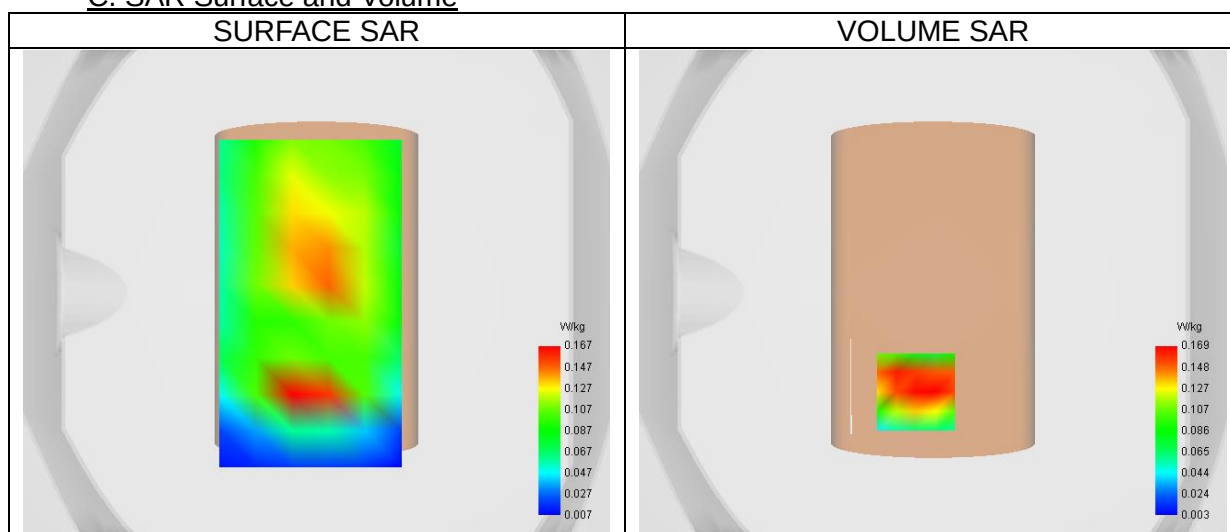
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.37
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
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23790)/ frequency 710.00 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	710.00

B. Permittivity

Middle TX Frequency (MHz)	710.00
Relative permittivity (real part)	41.32
Relative permittivity (imaginary part)	21.52
Conductivity (S/m)	0.85

C. SAR Surface and Volume



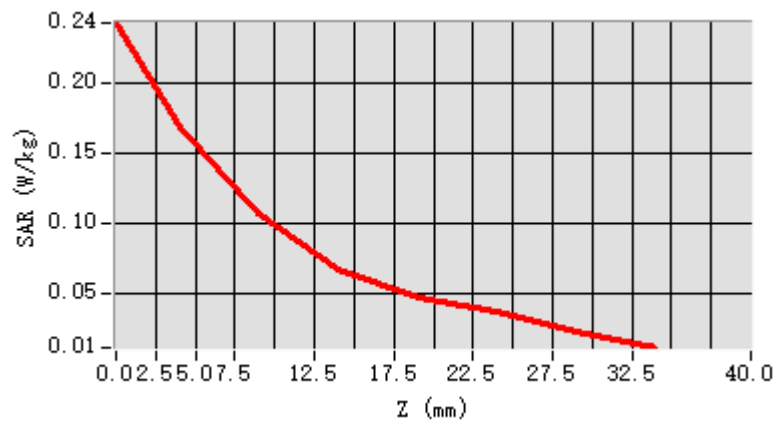
Maximum location: X=-7.00, Y=-41.00 ; SAR Peak: 0.26 W/kg

D. SAR 1g & 10g

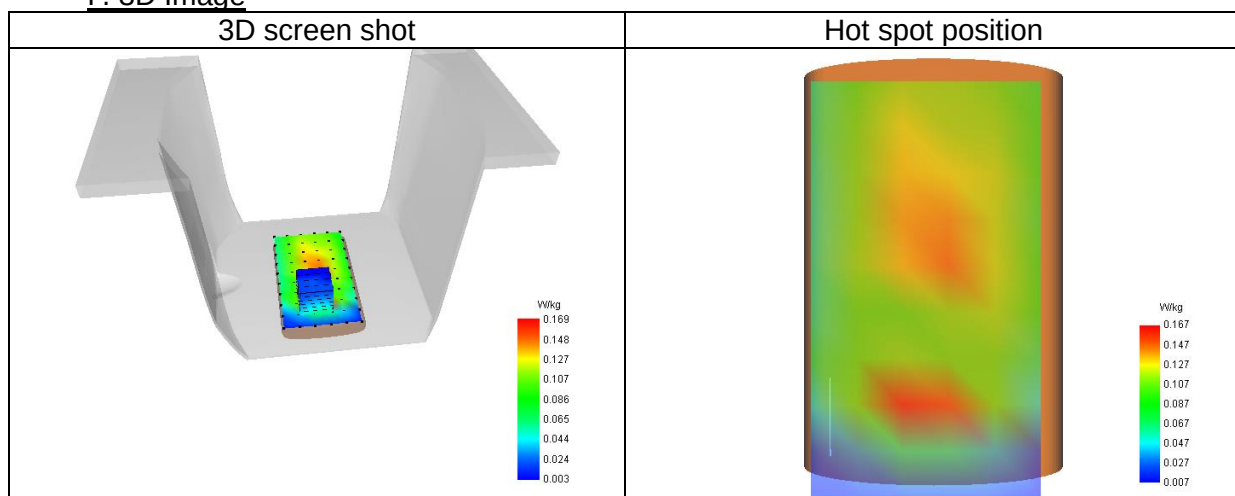
SAR 10g (W/Kg)	0.094
SAR 1g (W/Kg)	0.161
Variation (%)	-2.39
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	64.11

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.243	0.169	0.107	0.067	0.046	0.036	0.023



F. 3D Image



29# SAR Measurement at NR band 78 (Cheek, Left)

Date of measurement: 20/6/2026

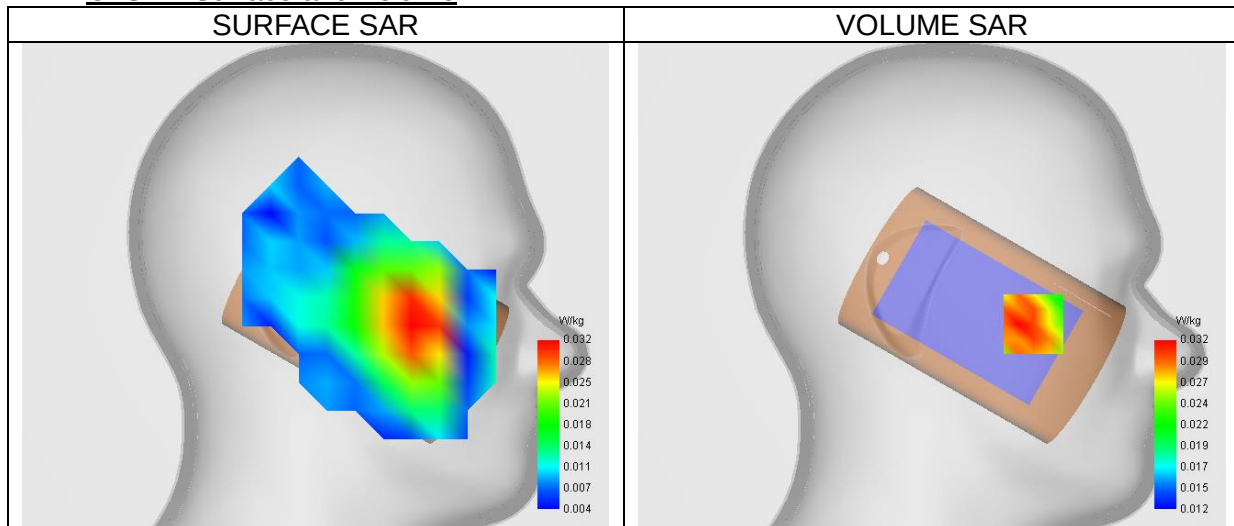
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.20
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Left head
Device Position	Cheek
Band	NR band 78
Signal	NR TDD
Channel Center [NR-ARFCN] / Channel Center [MHz]	Middle (636666)/ frequency 3549.99 Mhz
Cell Bandwidth	100 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
Middle TX Frequency (MHz)	3549.99

B. Permittivity

Middle TX Frequency (MHz)	3549.99
Relative permittivity (real part)	37.78
Relative permittivity (imaginary part)	14.76
Conductivity (S/m)	2.92

C. SAR Surface and Volume



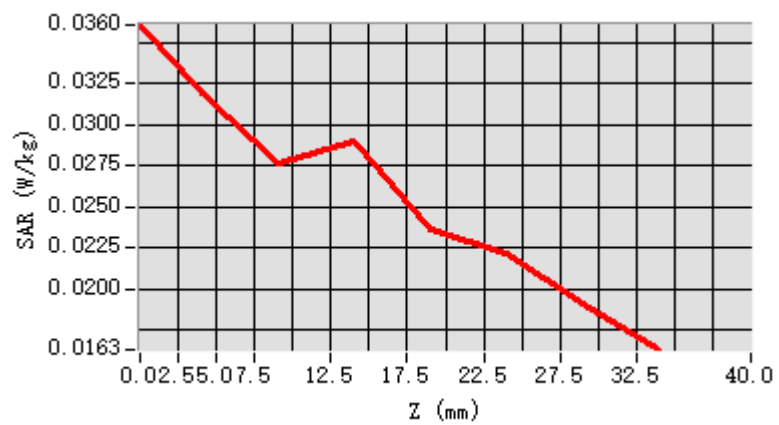
Maximum location: X=-54.00, Y=-20.00 ; SAR Peak: 0.04 W/kg

D. SAR 1g & 10g

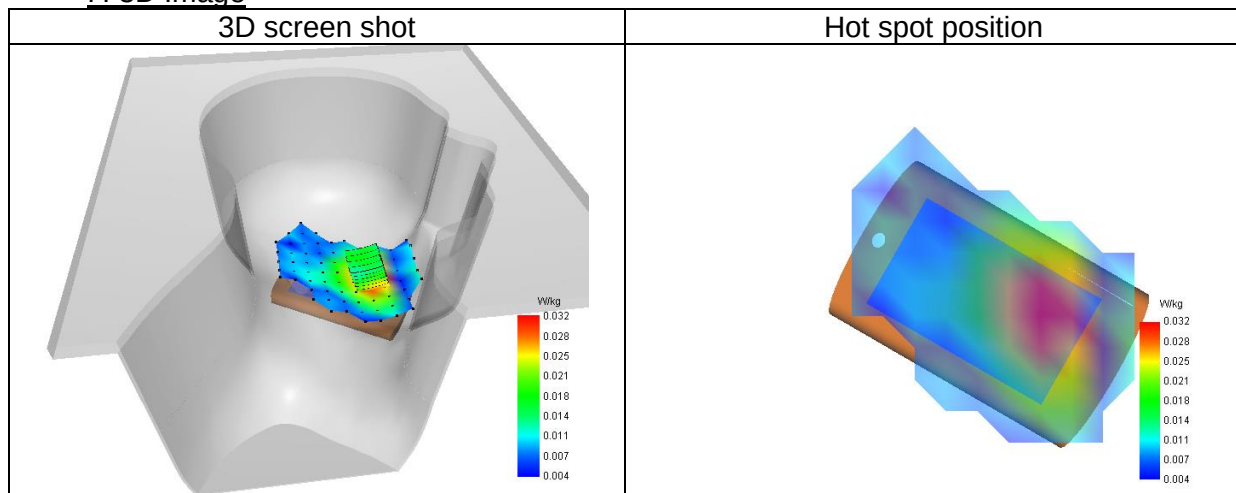
SAR 10g (W/Kg)	0.027
SAR 1g (W/Kg)	0.032
Variation (%)	-4.77
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.036	0.032	0.028	0.029	0.024	0.022	0.019



F. 3D Image



30# SAR Measurement at NR band 78 (Cheek, Validation Plane)

Date of measurement: 20/6/2026

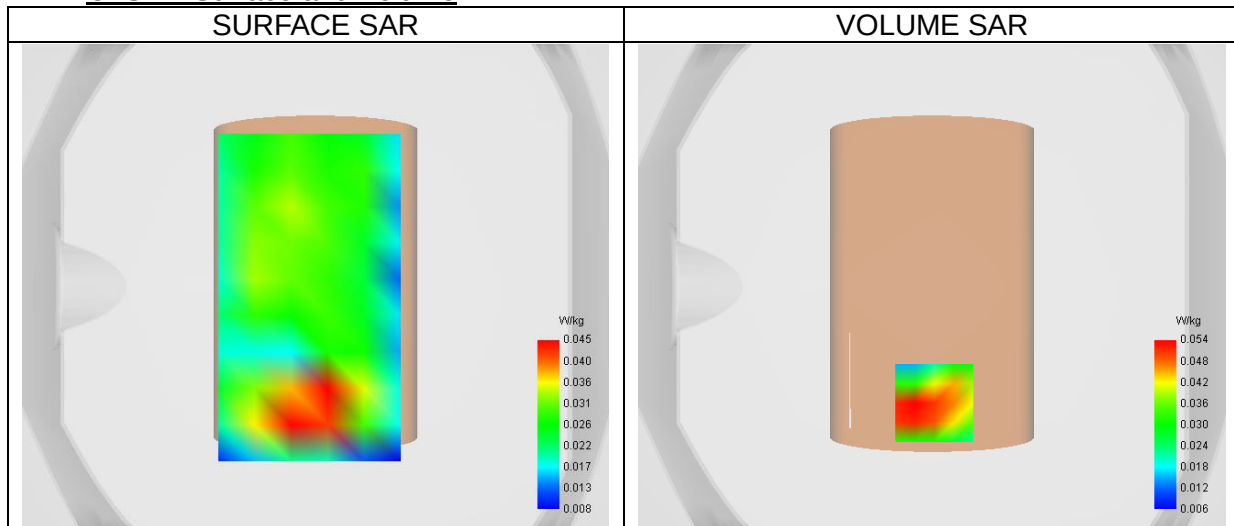
A. Experimental conditions.

Probe	3423-EPGO-426
ConvF	2.20
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Cheek
Band	NR band 78
Signal	NR TDD
Channel Center [NR-ARFCN] / Channel Center [MHz]	Middle (636666)/ frequency 3549.99 Mhz
Cell Bandwidth	100 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
Middle TX Frequency (MHz)	3549.99

B. Permittivity

Middle TX Frequency (MHz)	3549.99
Relative permittivity (real part)	37.78
Relative permittivity (imaginary part)	14.76
Conductivity (S/m)	2.92

C. SAR Surface and Volume



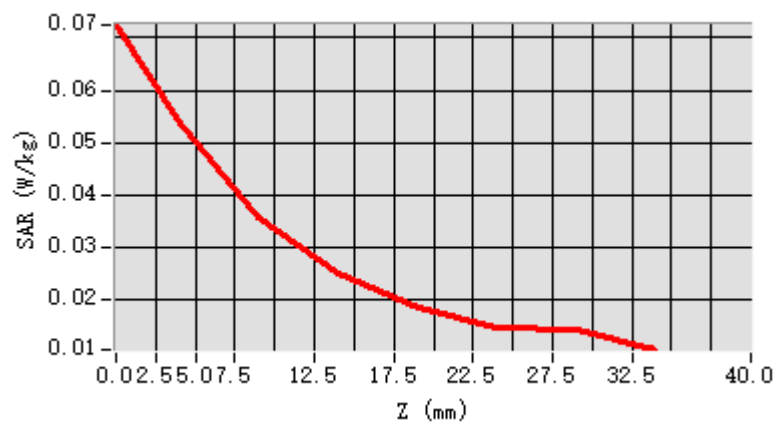
Maximum location: X=1.00, Y=-48.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

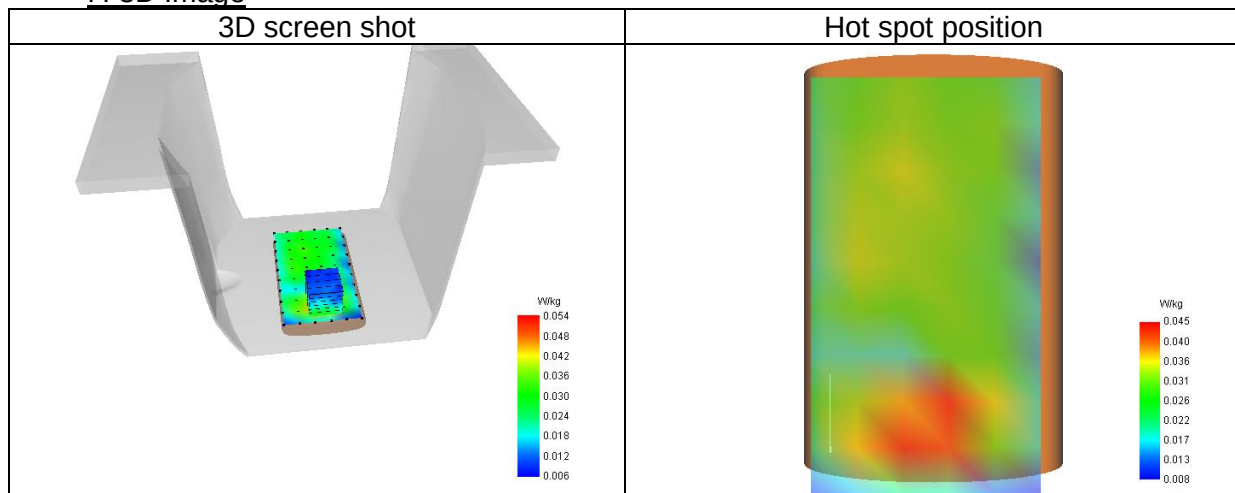
SAR 10g (W/Kg)	0.032
SAR 1g (W/Kg)	0.054
Variation (%)	-1.34
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	70.76

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.072	0.054	0.036	0.025	0.019	0.014	0.014



F. 3D Image



14. Appendix D. Calibration Certificate

Table of contents
E Field Probe - 3423-EPGO-426
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
2450 MHz Dipole - SN 03/15 DIP 2G450-352
2600 MHz Dipole - SN 03/15 DIP 2G600-356
3500 MHz Dipole - SN 09/12 DIP 3G500-360
5000-6000 MHz Dipole - SN 13/14 WGA 33
Justification of the extended calibration

**COMOSAR E-Field Probe Calibration Report**

Ref : ACR.261.11.25.BES.A

**SHENZHEN NTEK TESTING TECHNOLOGY
CO., LTD.**
BUILDING E, FENDA SCIENCE PARK, SANWEI
COMMUNITY, XIXIANG STREET,
BAO'AN DISTRICT, SHENZHEN GUANGDONG, CHINA
MVG COMOSAR DOSIMETRIC E-FIELD PROBE
SERIAL NO.: 3423-EPGO-426

Calibrated at MVG

Z.I. de la pointe du diable

Technopôle Brest Iroise – 295 avenue Alexis de Rochon
29280 PLOUZANE - FRANCE

Calibration date: 10/12/2025

Accreditations #02-6789
Scope available on www.cofrac.fr

The use of the Cofrac brand and the accreditation references is prohibited from any reproduction.

Summary:

This document presents the method and results from an accredited COMOSAR Dosimetric 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).