

1.1.14. SAR measurement Result of WLAN2.4G

Test Position of Head	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Left Cheek	6/2437	802.11b	0.190	0.096	-1.24	14.79	15.00	0.199	2025/10/28	11#
Left Tilt 15 Degree	6/2437	802.11b	0.096	0.046	1.18	14.79	15.00	0.101	2025/10/28	
Right Cheek	6/2437	802.11b	0.171	0.082	-0.49	14.79	15.00	0.179	2025/10/28	
Right Tilt 15 Degree	6/2437	802.11b	0.087	0.042	-3.63	14.79	15.00	0.091	2025/10/28	

NOTE: Head SAR test results of WLAN 2.4G

Test Position of Body-Worn with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	6/2437	802.11b	0.120	0.060	-0.84	14.79	15.00	0.126	2025/10/28	
Back Side	6/2437	802.11b	0.139	0.072	-1.52	14.79	15.00	0.146	2025/10/28	12#

NOTE: Body-worn SAR test results of WLAN 2.4G

Test Position of Hotspot with 10mm	Test channel /Freq.	Test Mode	SAR Value (W/kg)		Power Drift (±5%)	Conducted power (dBm)	Tune-up power (dBm)	Scaled SAR 1g (W/Kg)	Date	Plot
			1-g	10-g						
Front Side	6/2437	802.11b	0.120	0.060	-0.84	14.79	15.00	0.126	2025/10/28	
Back Side	6/2437	802.11b	0.139	0.072	-1.52	14.79	15.00	0.146	2025/10/28	12#
Left Side	6/2437	802.11b	0.112	0.057	2.90	14.79	15.00	0.118	2025/10/28	
Top Side	6/2437	802.11b	0.085	0.043	-2.13	14.79	15.00	0.089	2025/10/28	

NOTE: 1.Hotspot SAR test results of WLAN2.4G

2. Tested by : Max Zhou

1.2. 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	0.86	0.199	1.059	N/A	N/A
	Left Tilt 15 Degree	0.486	0.101	0.587	N/A	N/A
	Right Cheek	0.987	0.179	1.166	N/A	N/A
	Right Tilt 15 Degree	0.526	0.091	0.617	N/A	N/A
Body-Worn	Front Side	0.527	0.126	0.653	N/A	N/A
	Back Side	0.759	0.146	0.905	N/A	N/A
Hotspot	Front Side	0.527	0.126	0.653	N/A	N/A
	Back Side	0.759	0.146	0.905	N/A	N/A
	Left Side	0.553	0.118	0.671	N/A	N/A
	Right Side	0.163	N/A	0.163	N/A	N/A
	Top Side	0.669	0.089	0.758	N/A	N/A
	Bottom Side	0.294	N/A	0.294	N/A	N/A

Test Position		Scaled SAR _{MAX}		Σ 1-g SAR (W/Kg)	SPLSR	Remark
		WWAN	DSS			
Head	Left Cheek	0.86	0.094	0.954	N/A	N/A
	Left Tilt 15 Degree	0.486	0.094	0.58	N/A	N/A
	Right Cheek	0.987	0.094	1.081	N/A	N/A
	Right Tilt 15 Degree	0.526	0.094	0.62	N/A	N/A
Body-Worn	Front Side	0.527	0.047	0.574	N/A	N/A
	Back Side	0.759	0.047	0.806	N/A	N/A
Hotspot	Front Side	0.527	0.047	0.574	N/A	N/A
	Back Side	0.759	0.047	0.806	N/A	N/A
	Left Side	0.553	N/A	0.553	N/A	N/A
	Right Side	0.163	0.047	0.21	N/A	N/A
	Top Side	0.669	0.047	0.716	N/A	N/A
	Bottom Side	0.294	N/A	0.294	N/A	N/A

2. Appendix A. Photo documentation

Refer to appendix Test Setup photo---SAR

3. Appendix B. System Check Plots

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1# System check at 750 MHz

Date of measurement: 27/10/2025

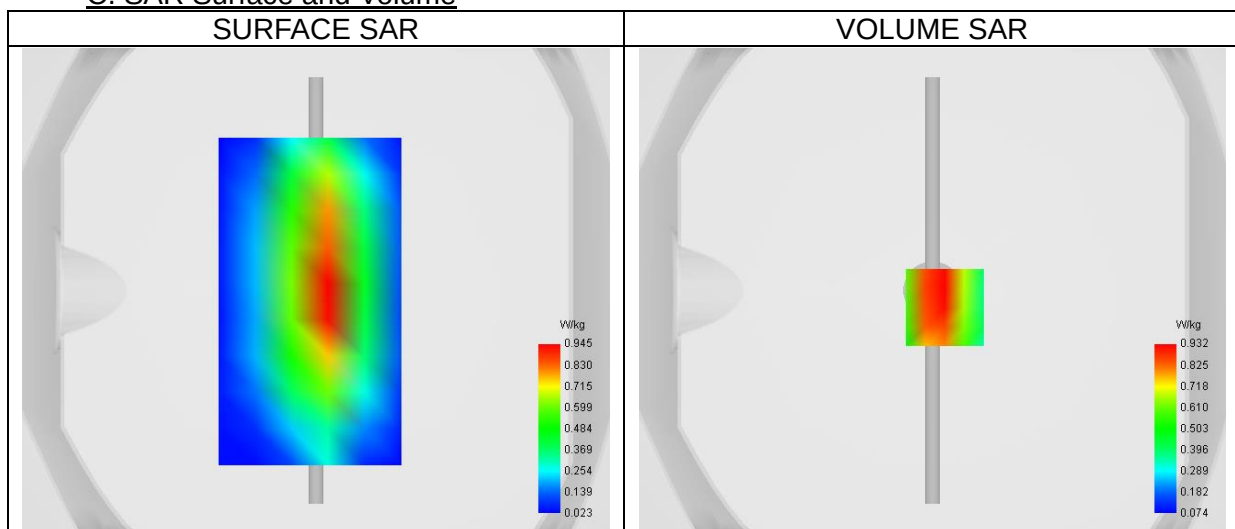
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.39
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)	40.42
Relative permittivity (imaginary part)	21.51
Conductivity (S/m)	0.90

C. SAR Surface and Volume



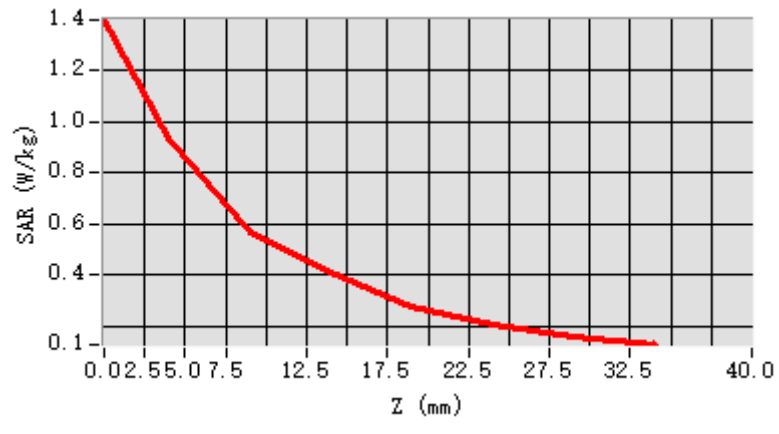
Maximum location: X=5.00, Y=-7.00 ; SAR Peak: 1.38 W/kg

D. SAR 1g & 10g

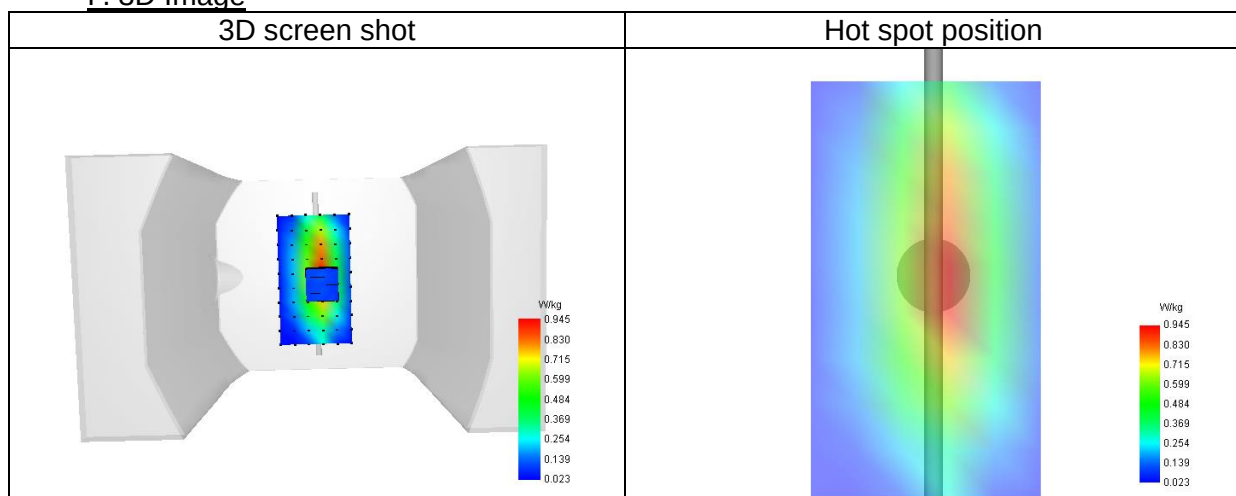
SAR 10g (W/Kg)	0.549
SAR 1g (W/Kg)	0.908
Variation (%)	2.60
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	64.19

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.397	0.932	0.570	0.407	0.273	0.204	0.156



F. 3D Image



2# System check at 835 MHz

Date of measurement: 31/10/2025

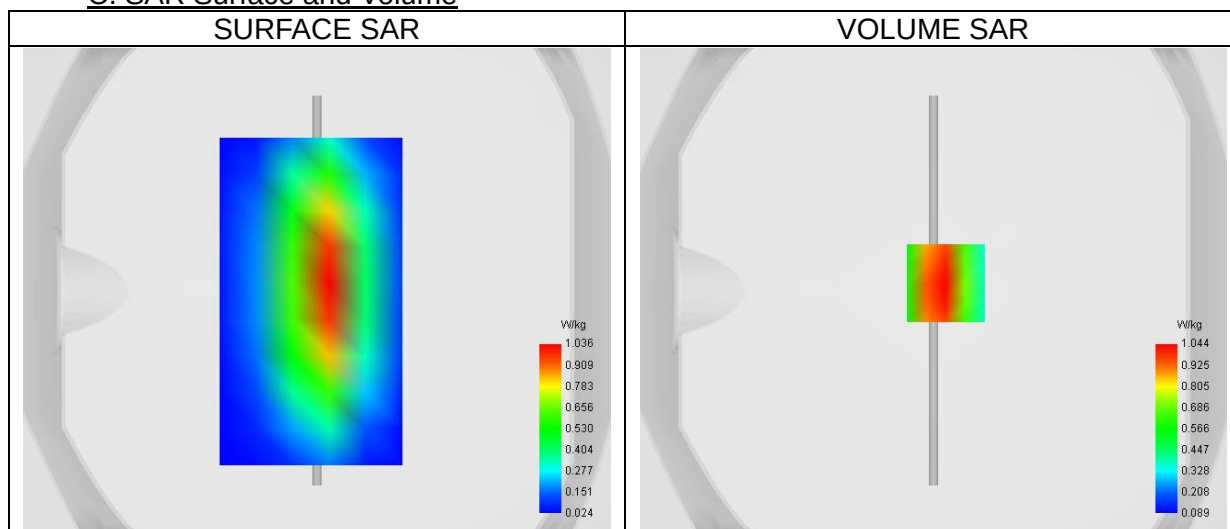
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
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)	41.28
Relative permittivity (imaginary part)	19.26
Conductivity (S/m)	0.89

C. SAR Surface and Volume



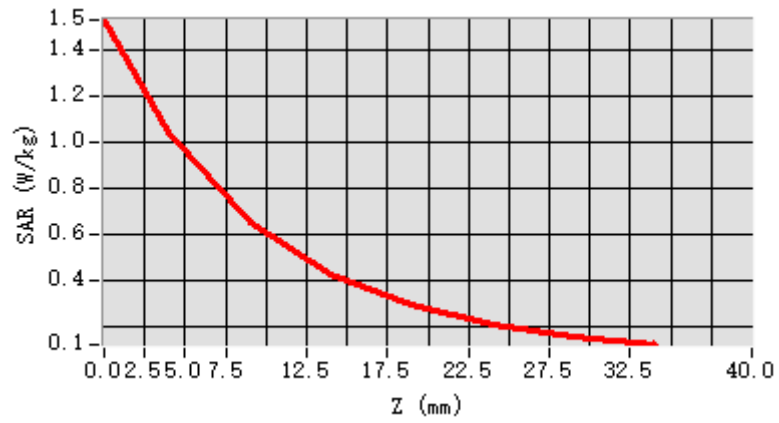
Maximum location: X=5.00, Y=3.00 ; SAR Peak: 1.58 W/kg

D. SAR 1g & 10g

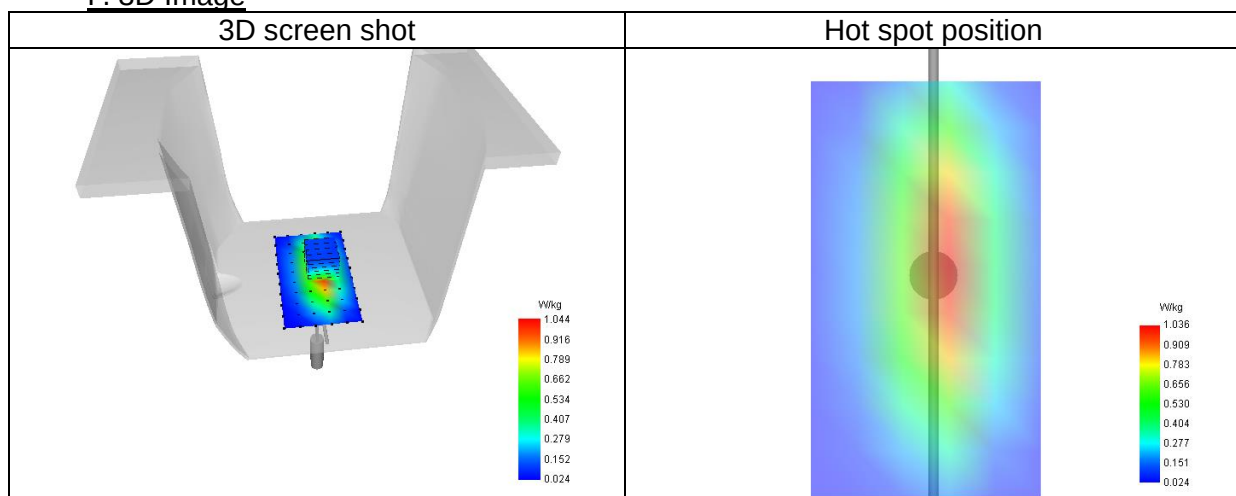
SAR 10g (W/Kg)	0.604
SAR 1g (W/Kg)	1.013
Variation (%)	0.06
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	62.70

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.534	1.044	0.655	0.425	0.295	0.209	0.152



F. 3D Image



3# System check at 1800 MHz

Date of measurement: 18/10/2025

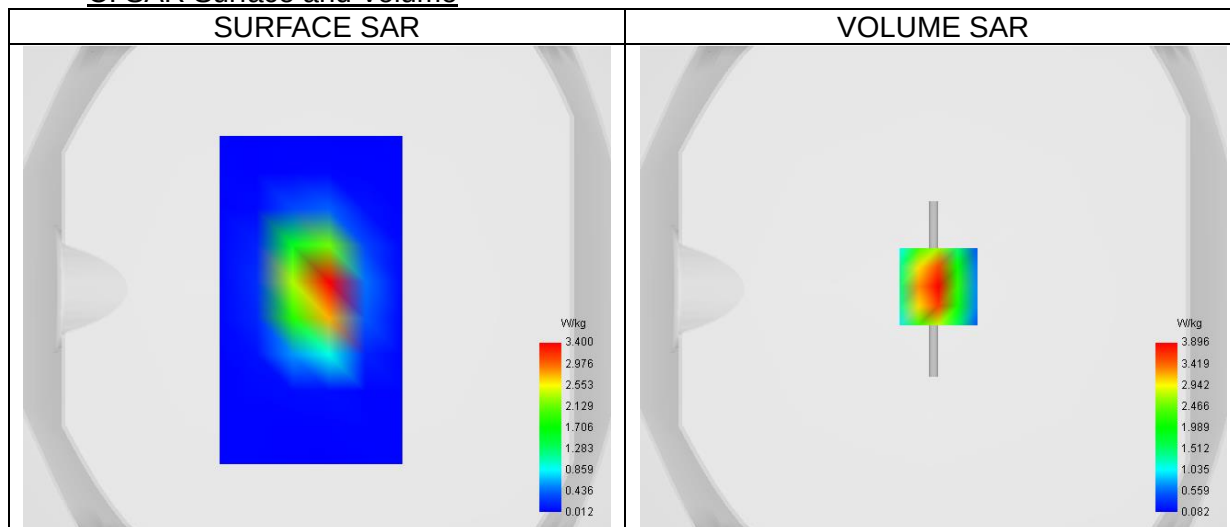
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
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)	38.67
Relative permittivity (imaginary part)	13.78
Conductivity (S/m)	1.38

C. SAR Surface and Volume



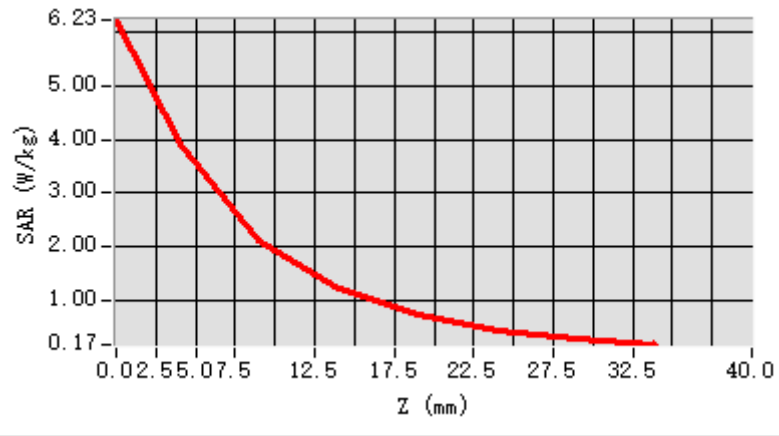
Maximum location: X=2.00, Y=1.00 ; SAR Peak: 6.34 W/kg

D. SAR 1g & 10g

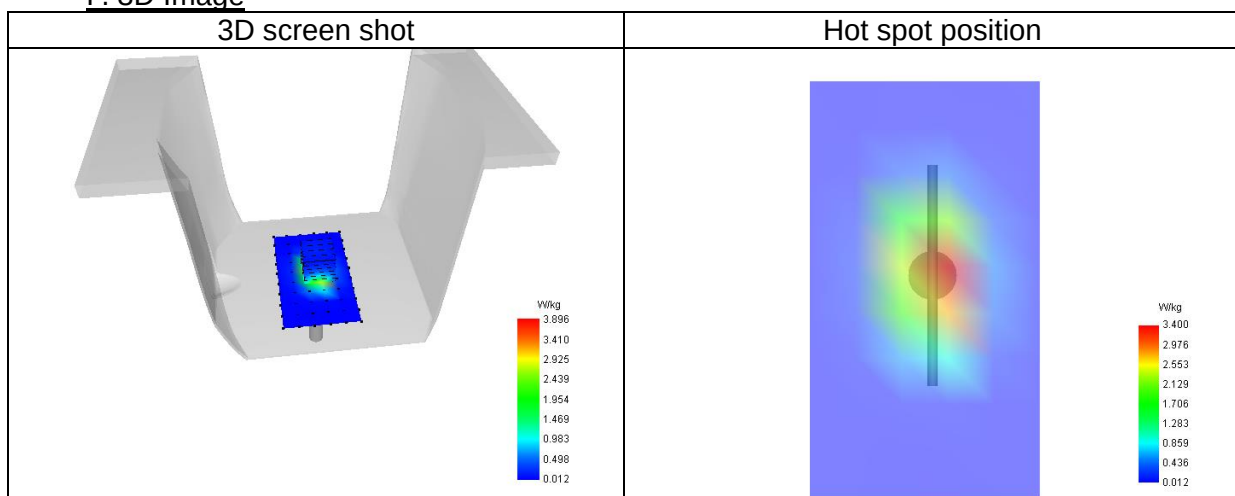
SAR 10g (W/Kg)	1.885
SAR 1g (W/Kg)	3.721
Variation (%)	-0.40
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	54.58

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.231	3.896	2.126	1.212	0.719	0.439	0.266



F. 3D Image



4# System check at 1900 MHz

Date of measurement: 19/10/2025

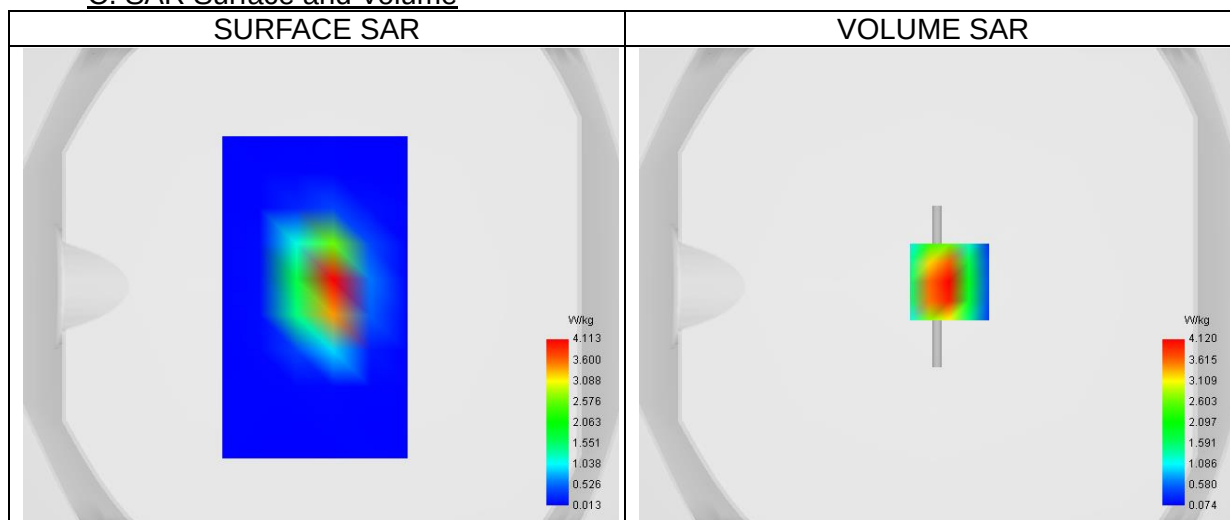
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
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)	38.40
Relative permittivity (imaginary part)	13.78
Conductivity (S/m)	1.45

C. SAR Surface and Volume



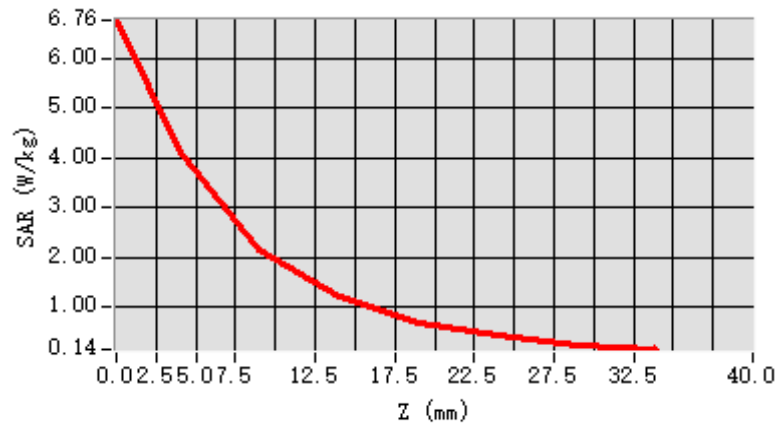
Maximum location: X=5.00, Y=2.00 ; SAR Peak: 7.10 W/kg

D. SAR 1g & 10g

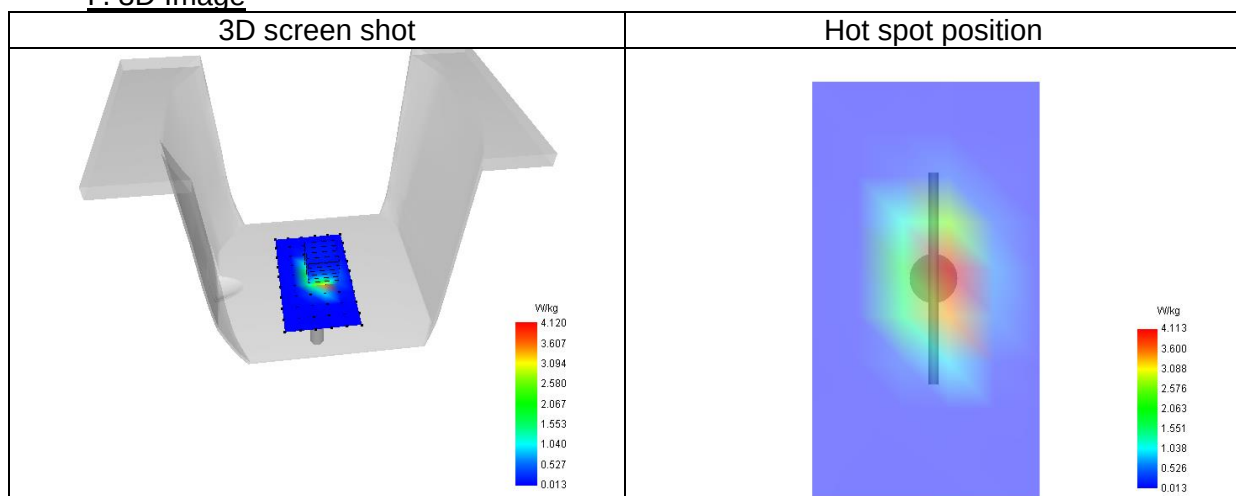
SAR 10g (W/Kg)	1.983
SAR 1g (W/Kg)	4.158
Variation (%)	-0.09
Horizontal validation criteria: minimum distance (mm)	8.00
Vertical validation criteria: SAR ratio M2/M1 (%)	52.28

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.759	4.120	2.154	1.215	0.682	0.421	0.243



F. 3D Image



5# System check at 2450 MHz

Date of measurement: 28/10/2025

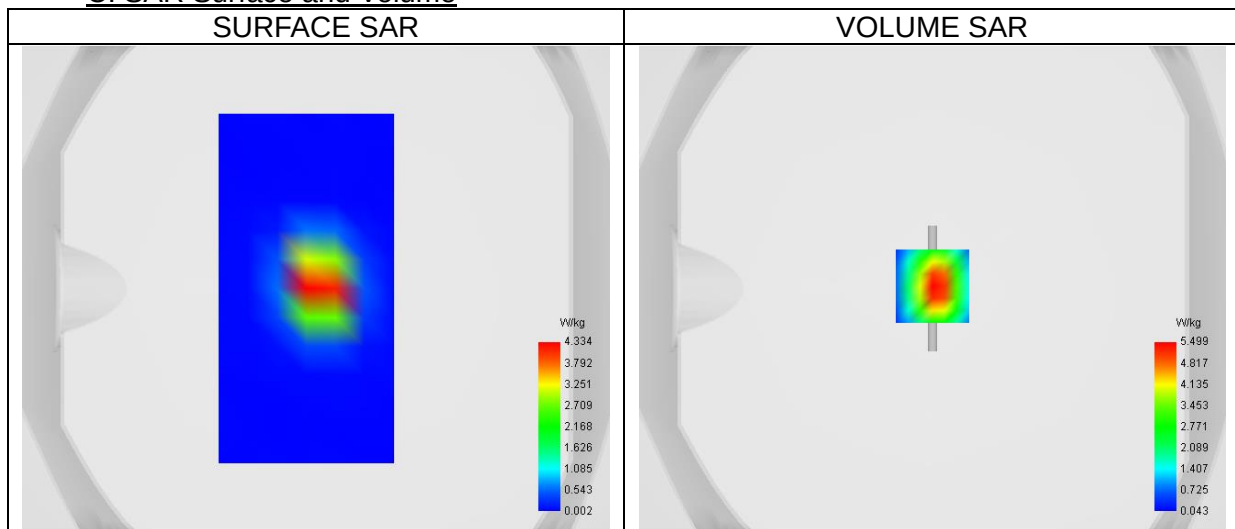
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.63
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)	38.14
Relative permittivity (imaginary part)	13.64
Conductivity (S/m)	1.86

C. SAR Surface and Volume



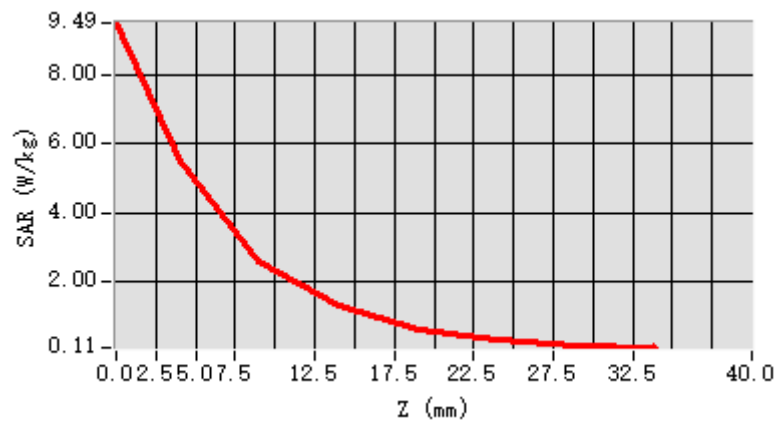
Maximum location: X=0.00, Y=1.00 ; SAR Peak: 9.55 W/kg

D. SAR 1g & 10g

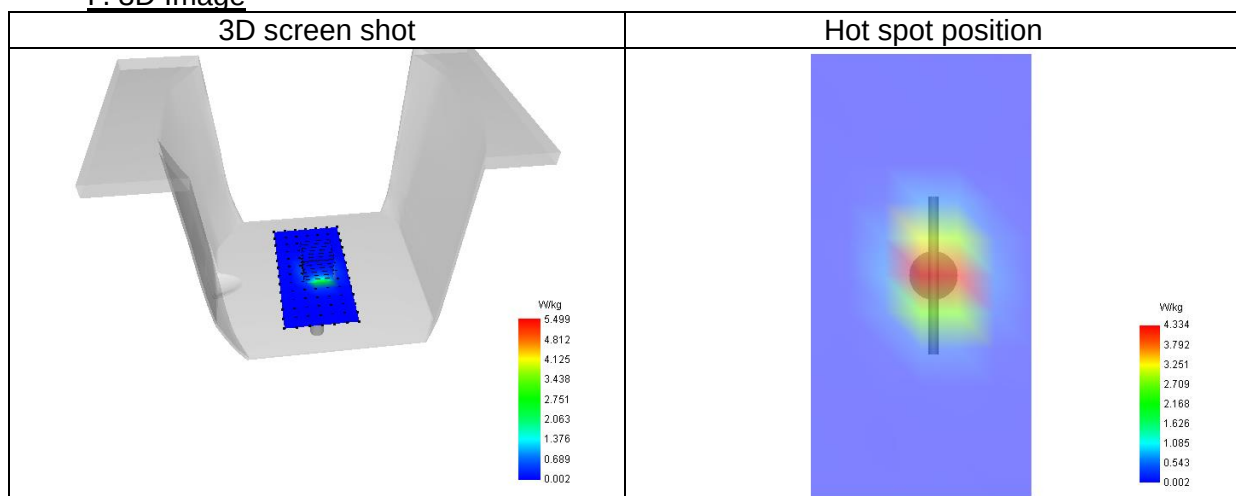
SAR 10g (W/Kg)	2.241
SAR 1g (W/Kg)	5.148
Variation (%)	-0.31
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	47.34

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.494	5.499	2.603	1.319	0.649	0.330	0.181



F. 3D Image



6# System check at 2600 MHz

Date of measurement: 20/10/2025

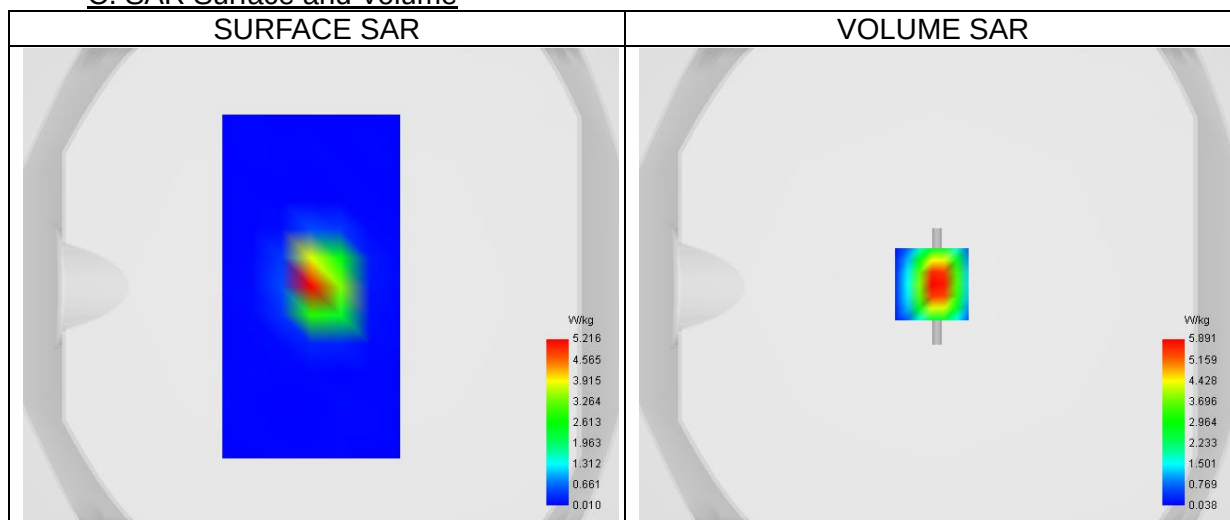
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
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)	40.06
Relative permittivity (imaginary part)	13.97
Conductivity (S/m)	2.02

C. SAR Surface and Volume



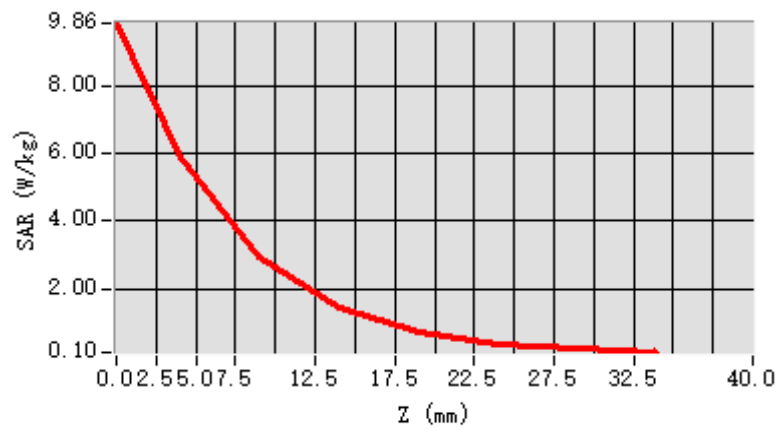
Maximum location: X=-2.00, Y=1.00 ; SAR Peak: 10.33 W/kg

D. SAR 1g & 10g

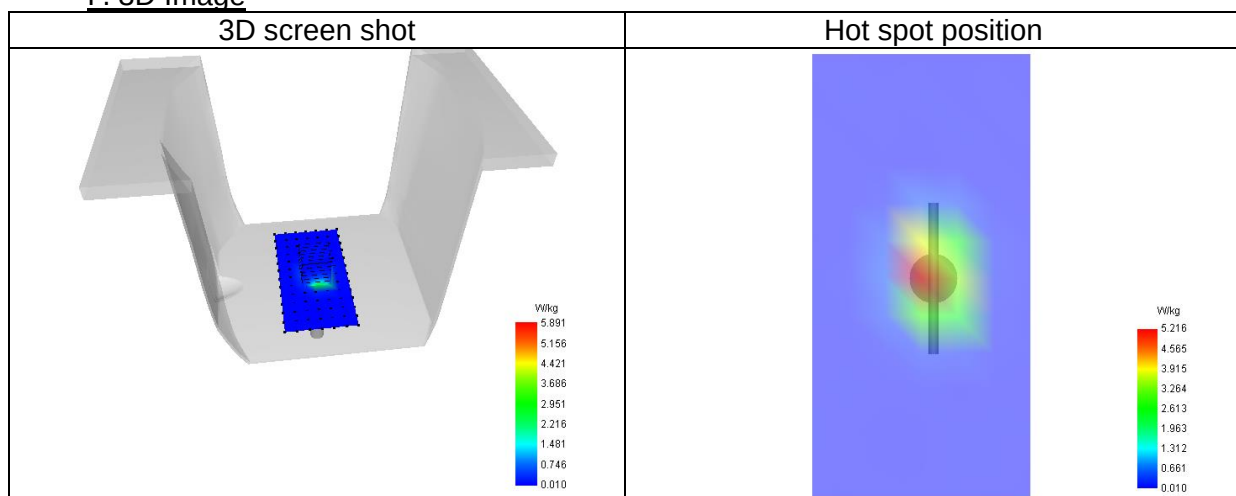
SAR 10g (W/Kg)	2.344
SAR 1g (W/Kg)	5.514
Variation (%)	0.97
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	49.44

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.862	5.891	2.912	1.433	0.721	0.375	0.216



F. 3D Image



4. 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 ISM (Cheek, Left)**
- 12# SAR Measurement at ISM (Body, Validation Plane)**
- 13# SAR Measurement at LTE band 2 (Cheek, Left)**
- 14# SAR Measurement at LTE band 2 (Body, Validation Plane)**
- 15# SAR Measurement at LTE band 4 (Cheek, Left)**
- 16# SAR Measurement at LTE band 4 (Body, Validation Plane)**
- 17# SAR Measurement at LTE band 5 (Cheek, Left)**
- 18# SAR Measurement at LTE band 5 (Body, Validation Plane)**
- 19# SAR Measurement at LTE band 7 (Cheek, Right)**
- 20# SAR Measurement at LTE band 7 (Body, Validation Plane)**
- 21# SAR Measurement at LTE band 13 (Cheek, Right)**
- 22# SAR Measurement at LTE band 13 (Body, Validation Plane)**
- 23# SAR Measurement at LTE band 38 (Cheek, Left)**
- 24# SAR Measurement at LTE band 38 (Body, Validation Plane)**
- 25# SAR Measurement at LTE band 41 (Cheek, Left)**
- 26# SAR Measurement at LTE band 41 (Body, Validation Plane)**
- 27# SAR Measurement at LTE band 66 (Cheek, Left)**
- 28# SAR Measurement at LTE band 66 (Body, Validation Plane)**

1# SAR Measurement at GPRS850 (Cheek, Right)

Date of measurement: 31/10/2025

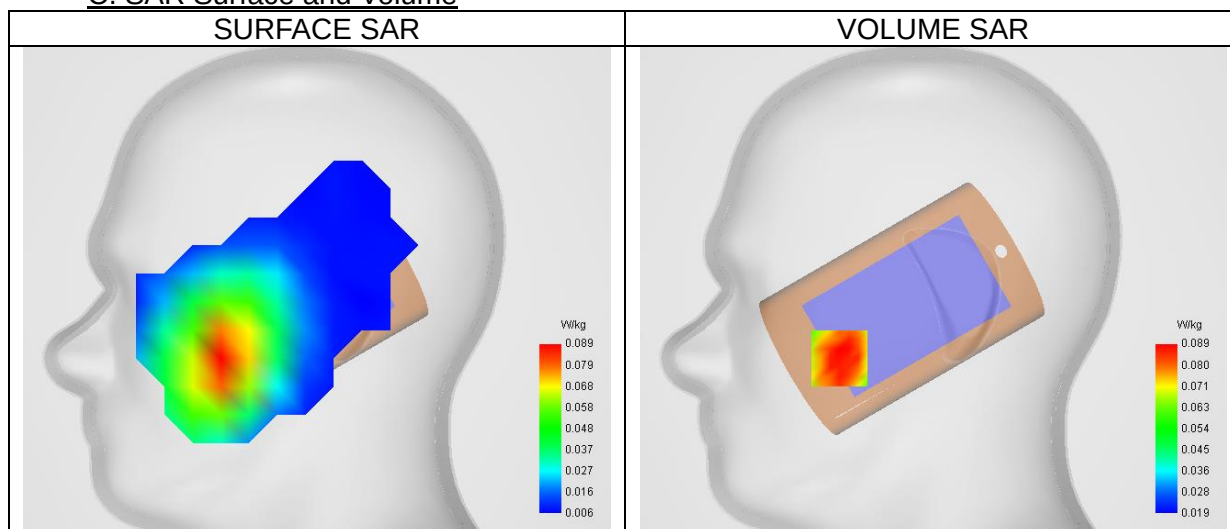
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Right head
Device Position	Cheek
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)	41.19
Relative permittivity (imaginary part)	19.28
Conductivity (S/m)	0.90

C. SAR Surface and Volume



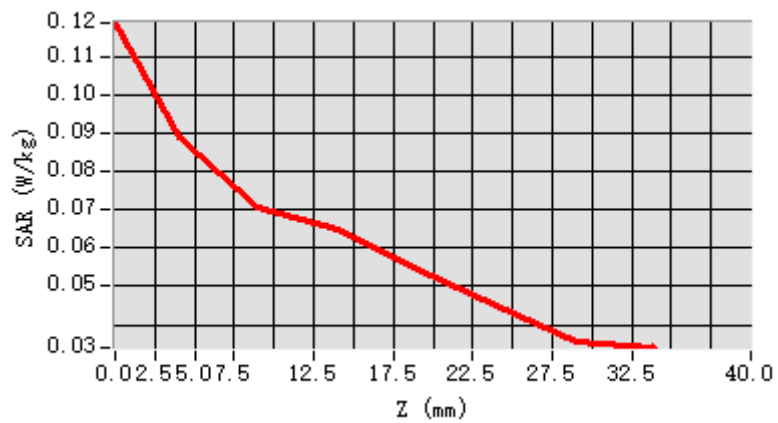
Maximum location: X=-50.00, Y=-36.00 ; SAR Peak: 0.11 W/kg

D. SAR 1g & 10g

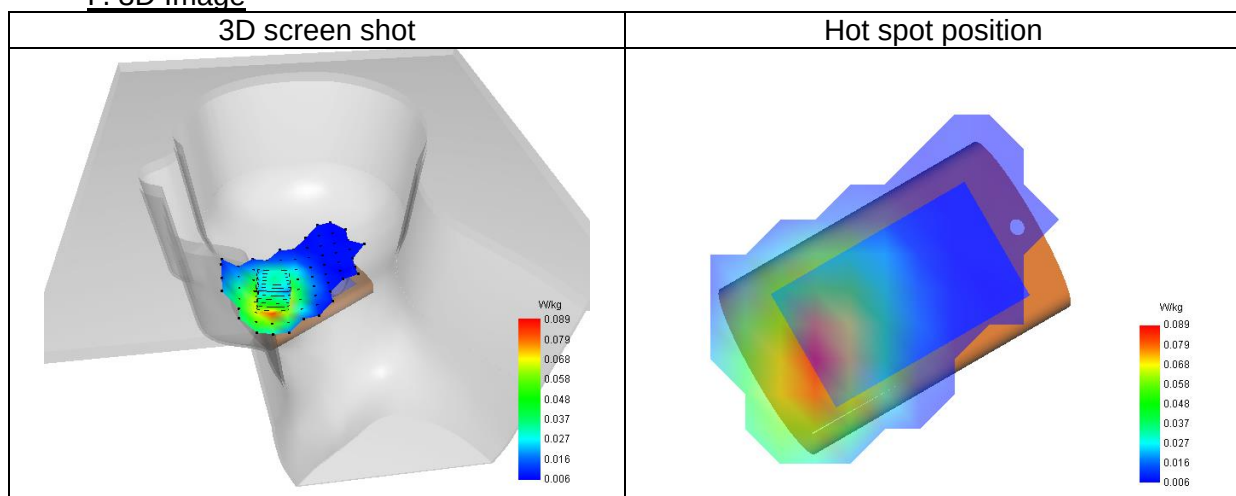
SAR 10g (W/Kg)	0.065
SAR 1g (W/Kg)	0.086
Variation (%)	-1.60
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.119	0.089	0.070	0.065	0.055	0.045	0.036



F. 3D Image



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

Date of measurement: 31/10/2025

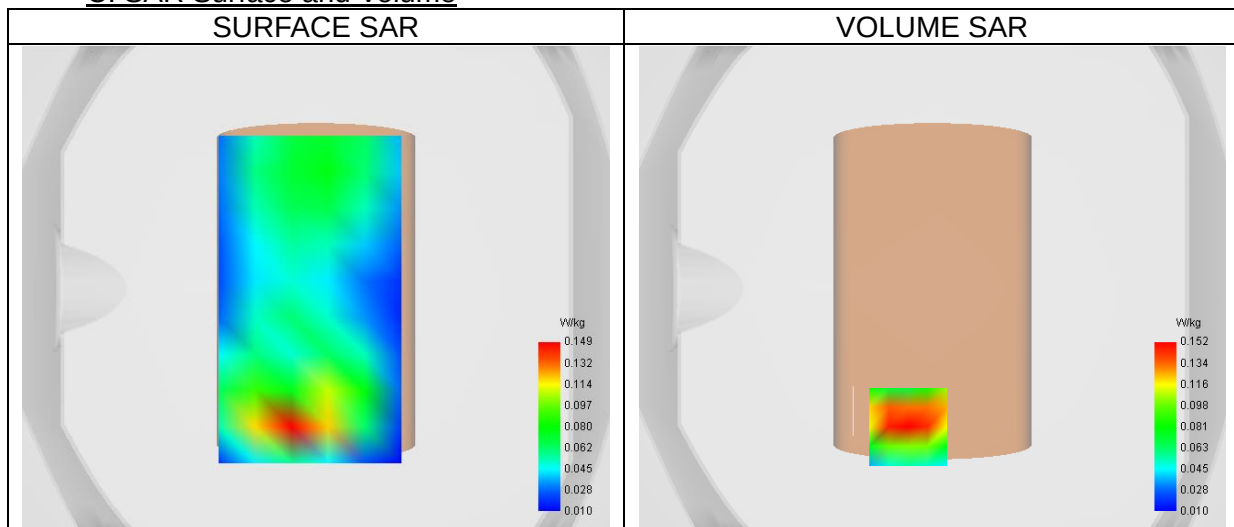
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
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)	41.19
Relative permittivity (imaginary part)	19.28
Conductivity (S/m)	0.90

C. SAR Surface and Volume



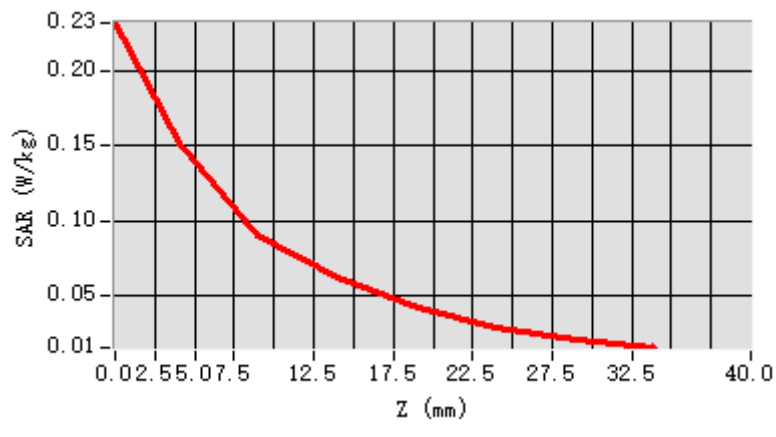
Maximum location: X=-10.00, Y=-57.00 ; SAR Peak: 0.24 W/kg

D. SAR 1g & 10g

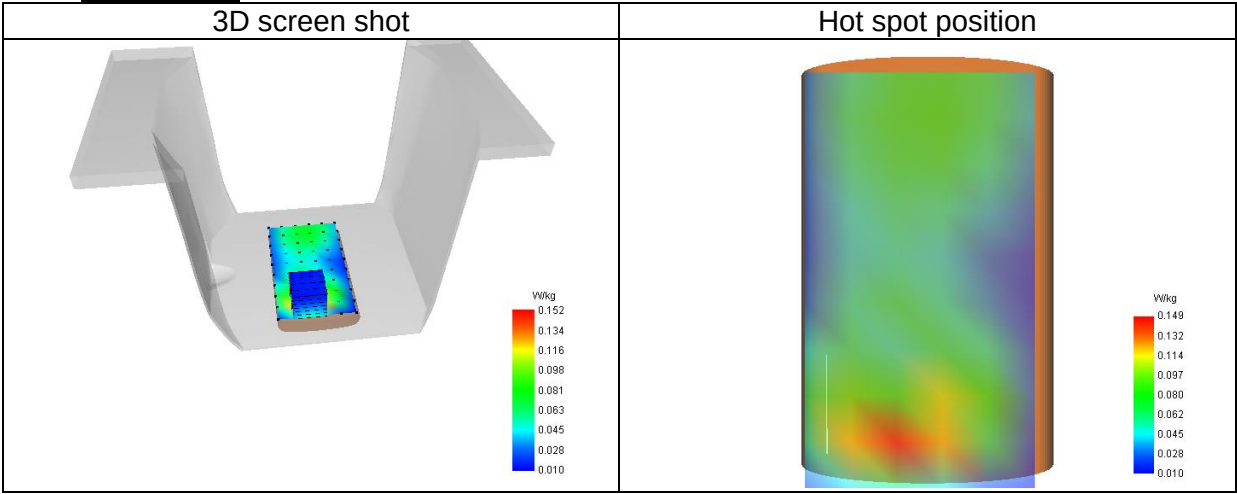
SAR 10g (W/Kg)	0.084
SAR 1g (W/Kg)	0.147
Variation (%)	-1.24
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	60.71

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.232	0.152	0.091	0.061	0.042	0.029	0.020



F. 3D Image



3# SAR Measurement at GPRS1900 (Cheek, Right)

Date of measurement: 19/10/2025

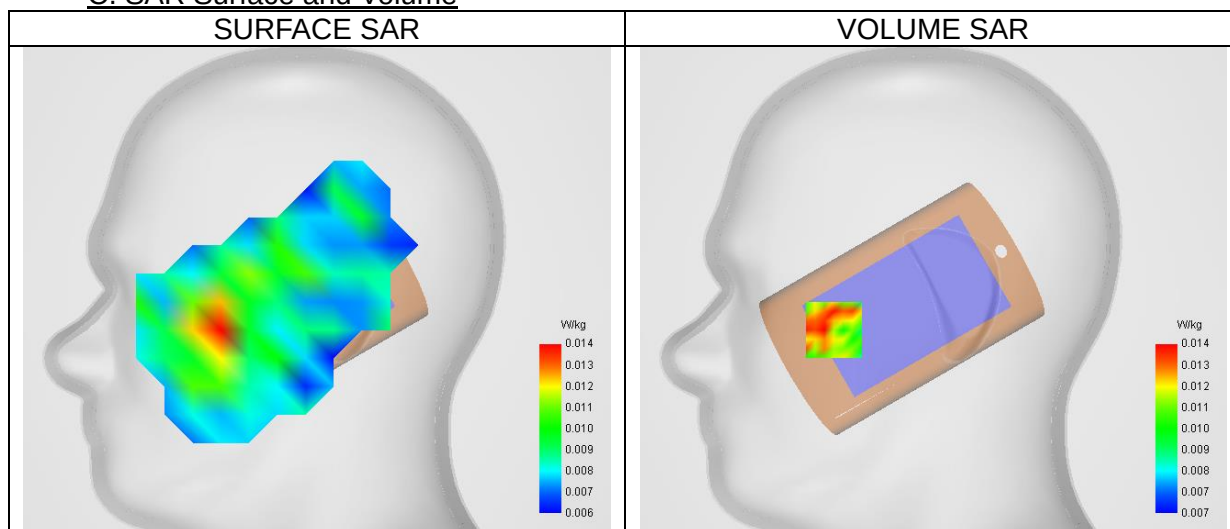
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Right head
Device Position	Cheek
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)	38.49
Relative permittivity (imaginary part)	13.80
Conductivity (S/m)	1.44

C. SAR Surface and Volume



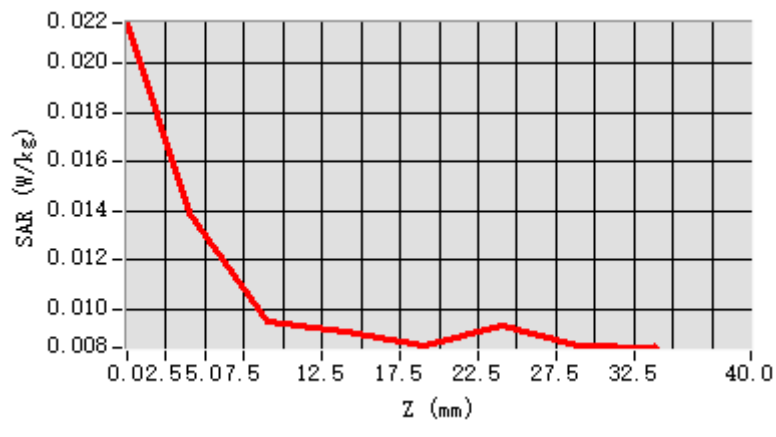
Maximum location: X=-53.00, Y=-21.00 ; SAR Peak: 0.02 W/kg

D. SAR 1g & 10g

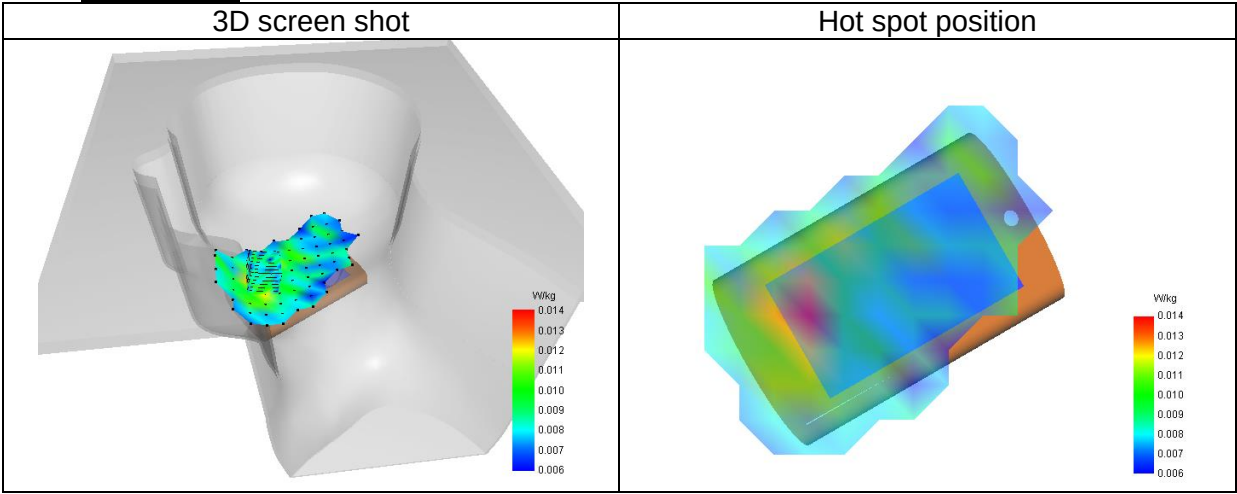
SAR 10g (W/Kg)	0.008
SAR 1g (W/Kg)	0.013
Variation (%)	-0.84
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.022	0.014	0.009	0.009	0.008	0.009	0.009



F. 3D Image



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

Date of measurement: 18/10/2025

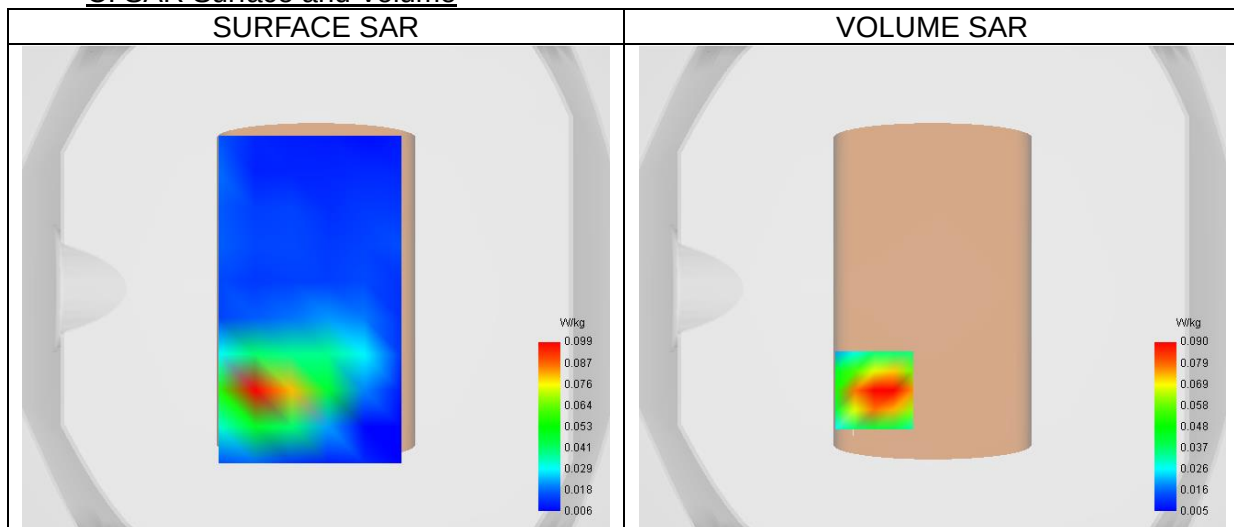
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
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)	38.49
Relative permittivity (imaginary part)	13.80
Conductivity (S/m)	1.44

C. SAR Surface and Volume



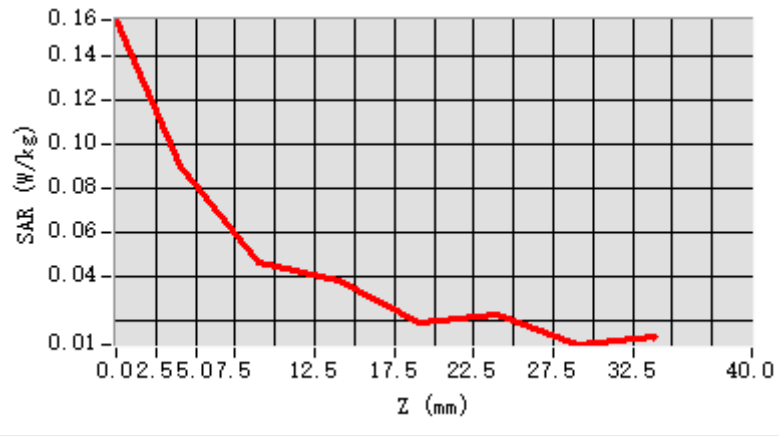
Maximum location: X=-24.00, Y=-42.00 ; SAR Peak: 0.13 W/kg

D. SAR 1g & 10g

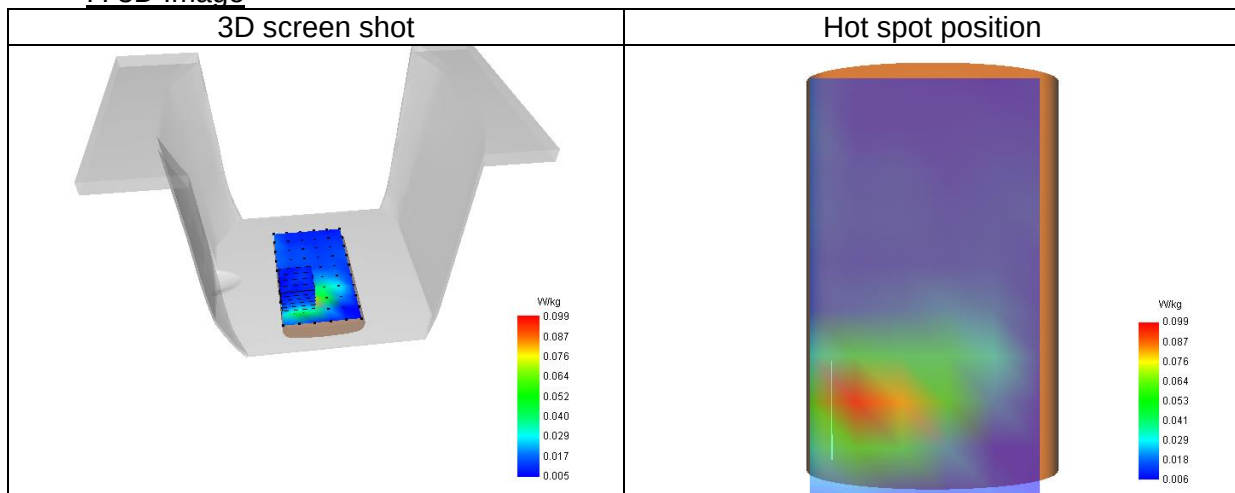
SAR 10g (W/Kg)	0.051
SAR 1g (W/Kg)	0.089
Variation (%)	-2.47
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	65.52

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.157	0.090	0.047	0.039	0.020	0.023	0.009



F. 3D Image



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

Date of measurement: 19/10/2025

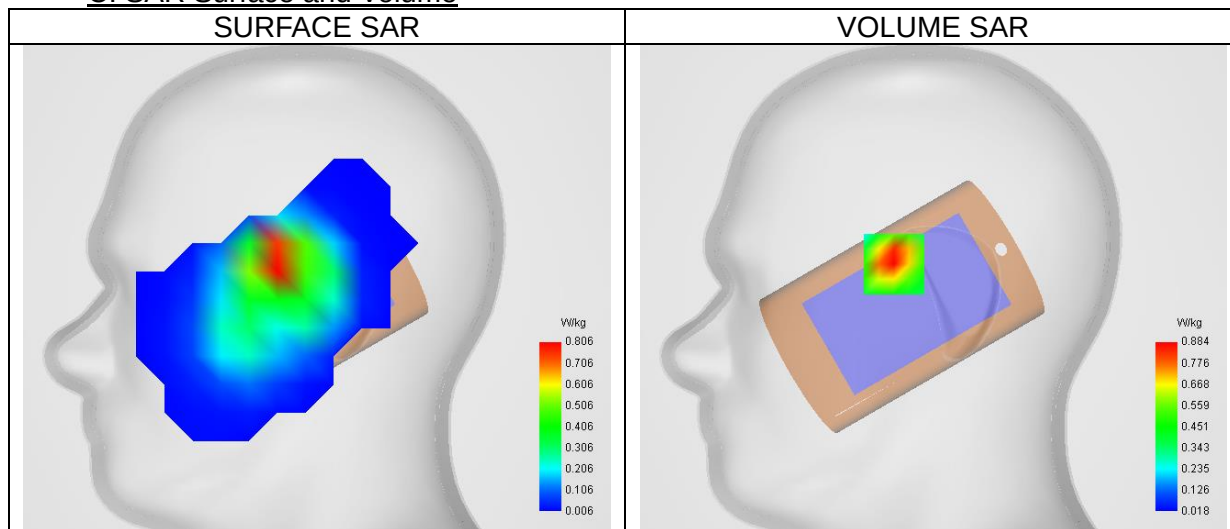
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
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)	38.49
Relative permittivity (imaginary part)	13.80
Conductivity (S/m)	1.44

C. SAR Surface and Volume



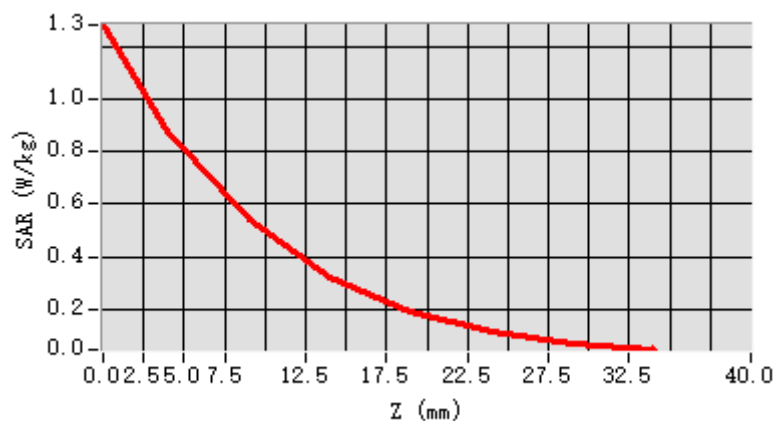
Maximum location: X=-21.00, Y=13.00 ; SAR Peak: 1.35 W/kg

D. SAR 1g & 10g

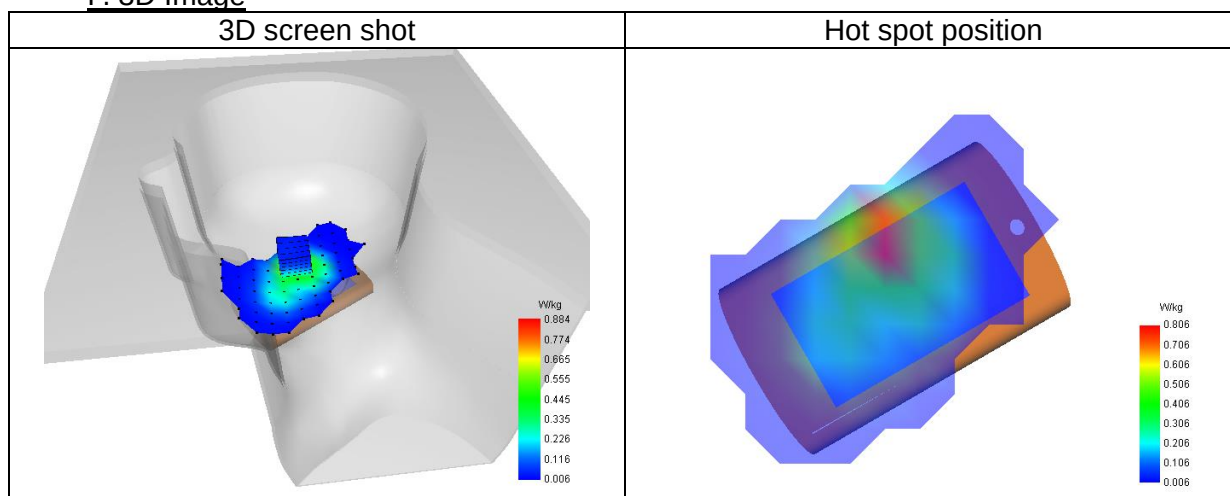
SAR 10g (W/Kg)	0.465
SAR 1g (W/Kg)	0.866
Variation (%)	-1.45
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	60.97

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.288	0.884	0.539	0.318	0.191	0.114	0.069



F. 3D Image



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

Date of measurement: 19/10/2025

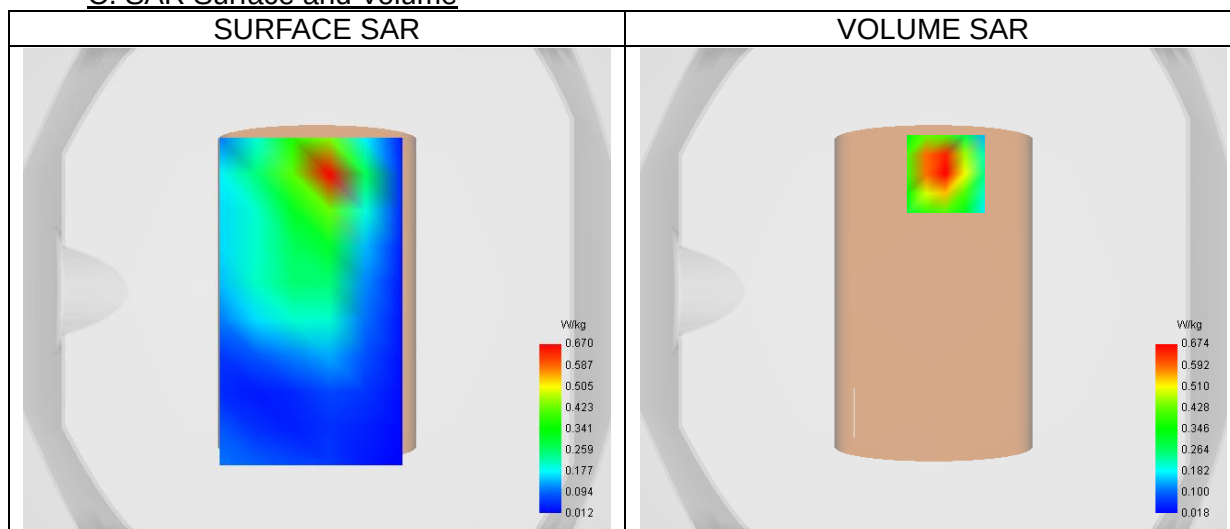
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
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)	38.49
Relative permittivity (imaginary part)	13.80
Conductivity (S/m)	1.44

C. SAR Surface and Volume



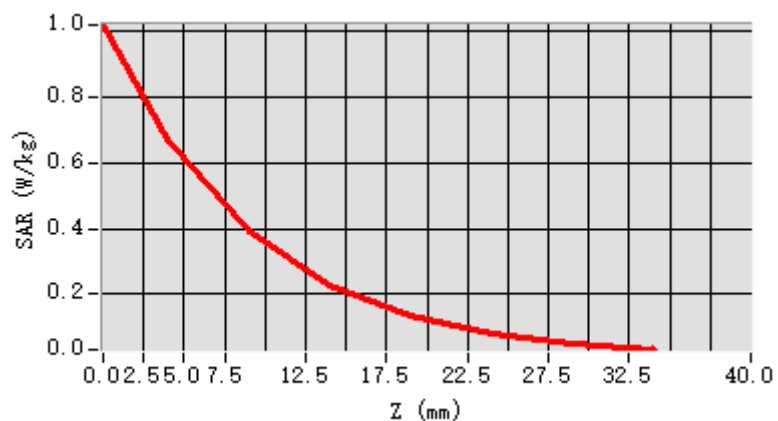
Maximum location: X=5.00, Y=48.00 ; SAR Peak: 1.10 W/kg

D. SAR 1g & 10g

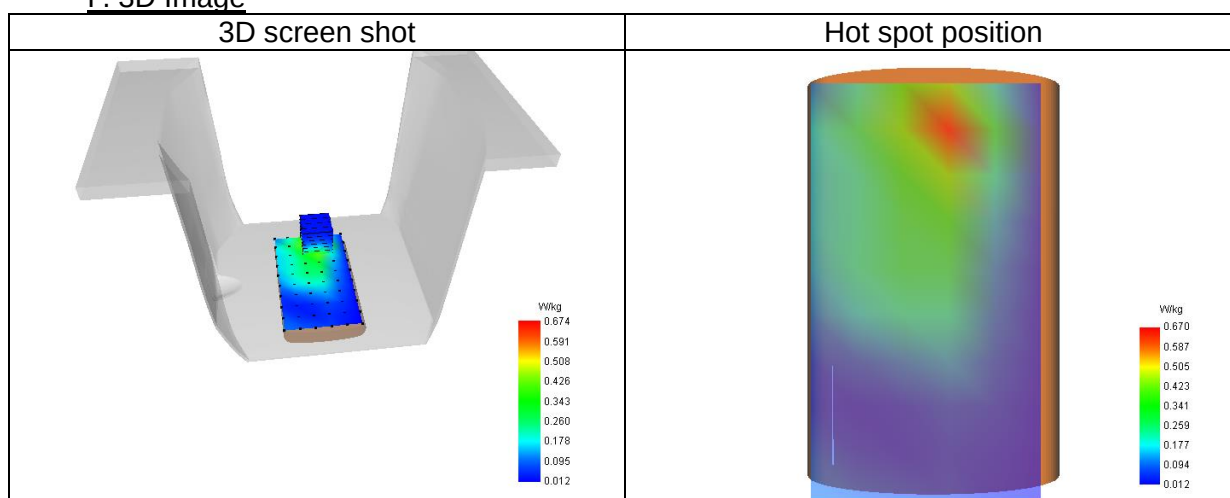
SAR 10g (W/Kg)	0.349
SAR 1g (W/Kg)	0.666
Variation (%)	0.14
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	58.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.021	0.674	0.391	0.227	0.132	0.080	0.048



F. 3D Image



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

Date of measurement: 18/10/2025

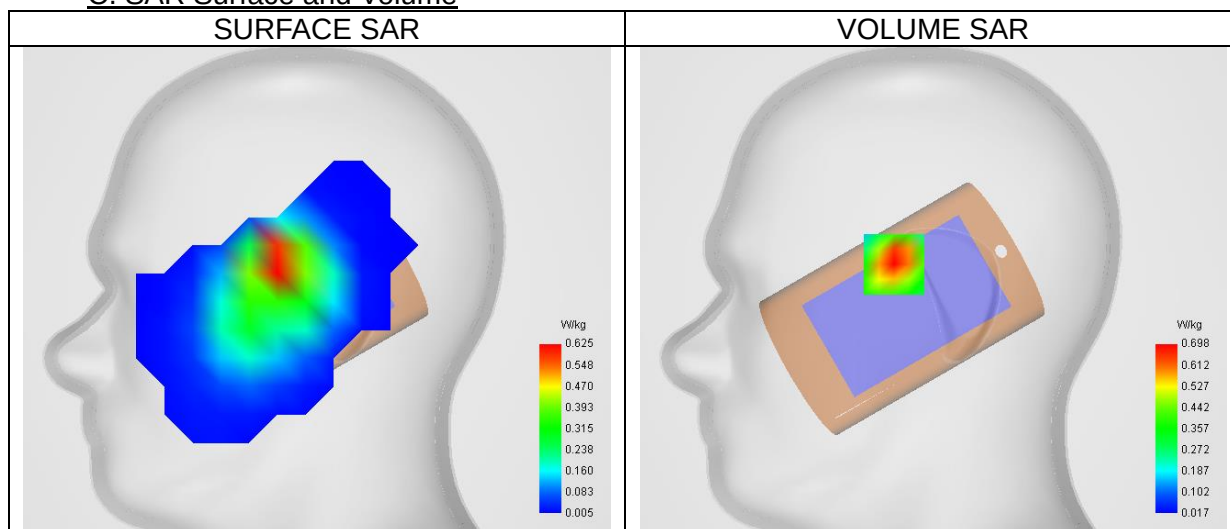
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
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)	39.14
Relative permittivity (imaginary part)	13.71
Conductivity (S/m)	1.32

C. SAR Surface and Volume



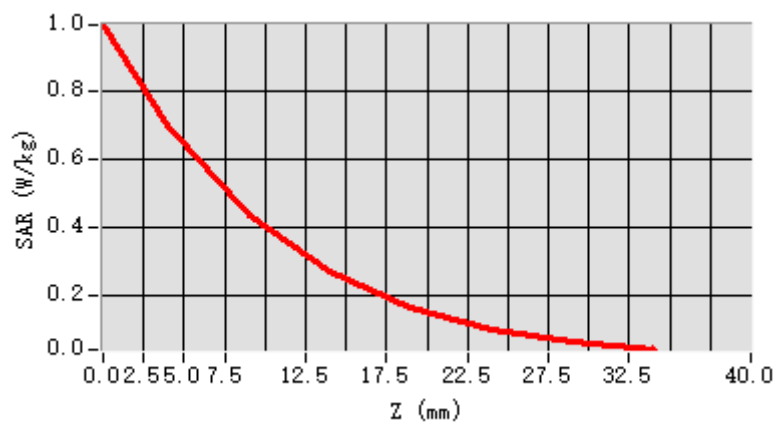
Maximum location: X=-21.00, Y=14.00 ; SAR Peak: 1.06 W/kg

D. SAR 1g & 10g

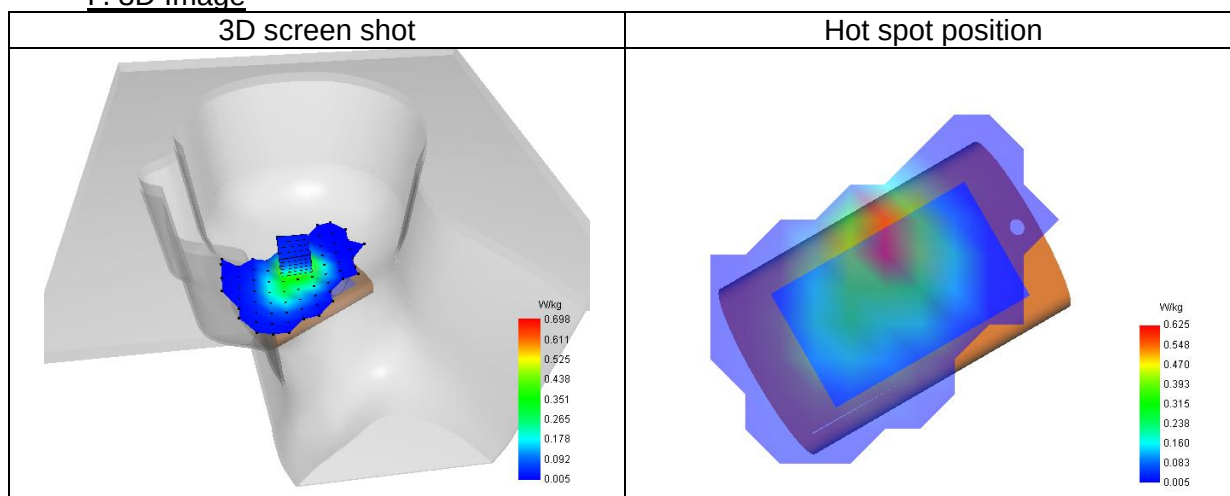
SAR 10g (W/Kg)	0.369
SAR 1g (W/Kg)	0.662
Variation (%)	-0.58
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	62.61

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.994	0.698	0.437	0.267	0.161	0.101	0.062



F. 3D Image



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

Date of measurement: 18/10/2025

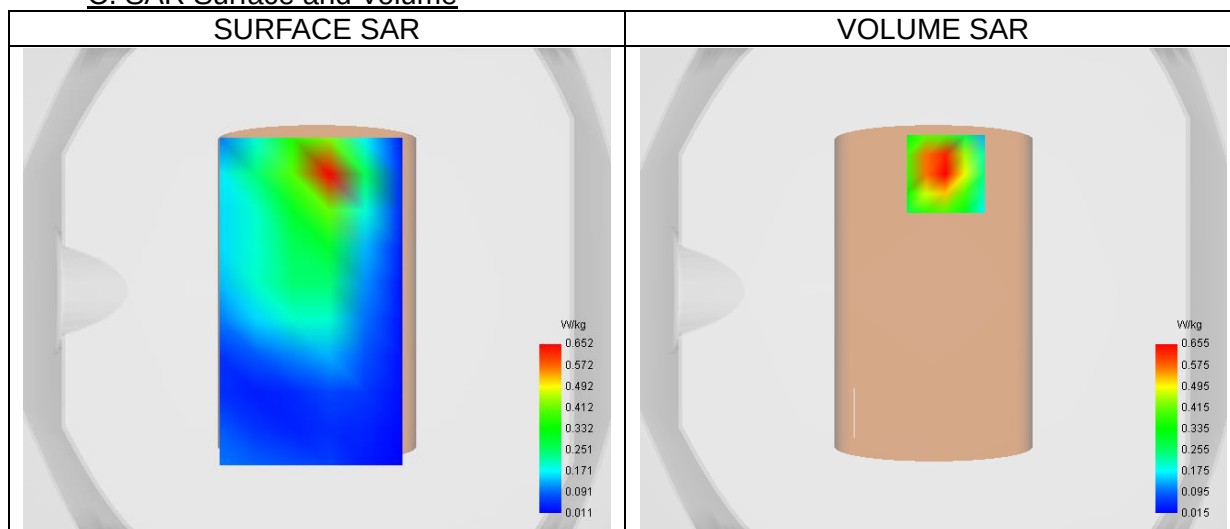
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
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)	39.14
Relative permittivity (imaginary part)	13.71
Conductivity (S/m)	1.32

C. SAR Surface and Volume



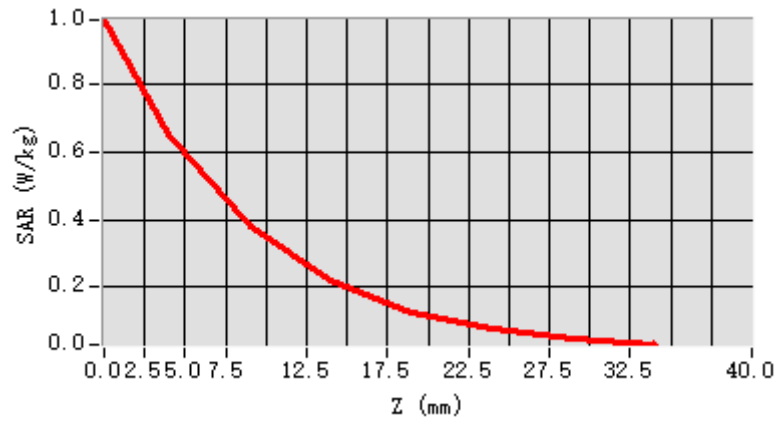
Maximum location: X=5.00, Y=48.00 ; SAR Peak: 1.08 W/kg

D. SAR 1g & 10g

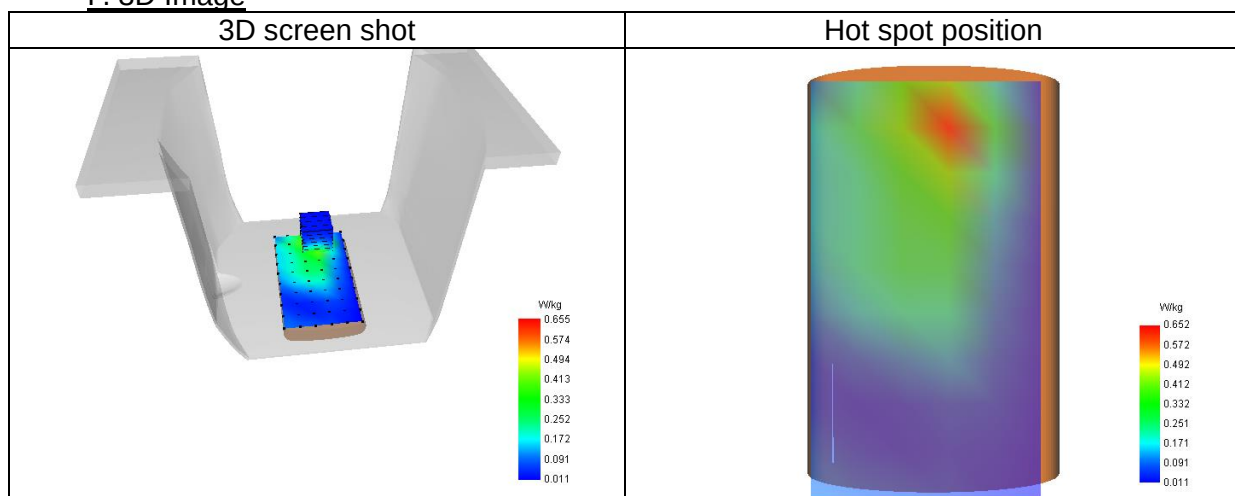
SAR 10g (W/Kg)	0.332
SAR 1g (W/Kg)	0.631
Variation (%)	-0.12
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	57.71

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.993	0.655	0.378	0.220	0.126	0.075	0.046



F. 3D Image



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

Date of measurement: 31/10/2025

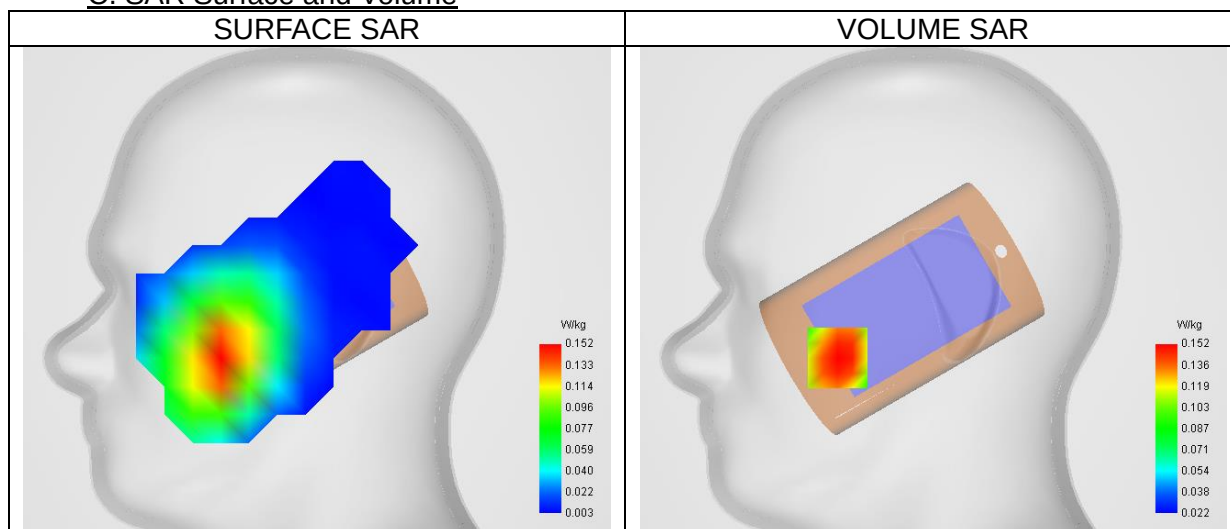
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
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)	41.19
Relative permittivity (imaginary part)	19.28
Conductivity (S/m)	0.90

C. SAR Surface and Volume



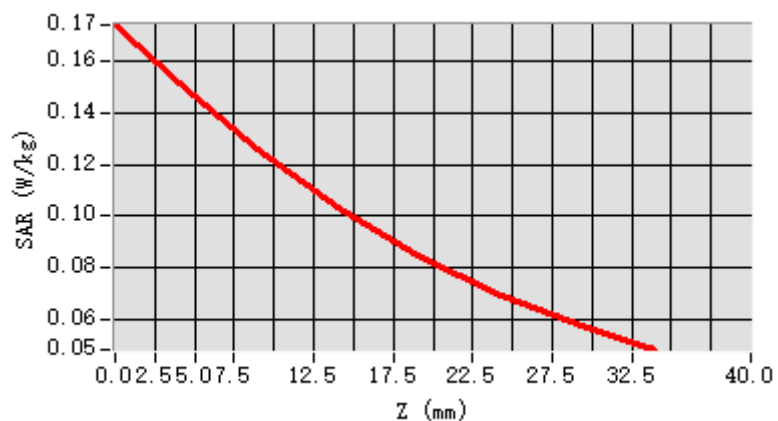
Maximum location: X=-51.00, Y=-36.00 ; SAR Peak: 0.18 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.114
SAR 1g (W/Kg)	0.148
Variation (%)	-2.03
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

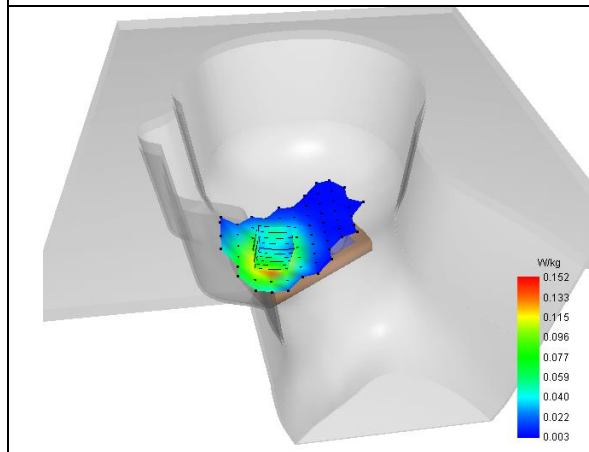
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.174	0.152	0.126	0.103	0.085	0.070	0.058

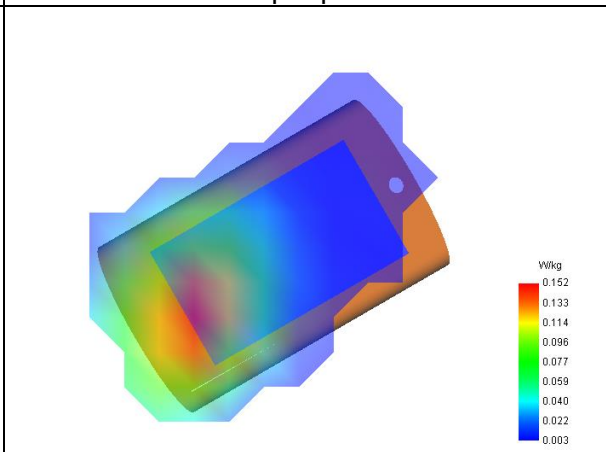


F. 3D Image

3D screen shot



Hot spot position



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

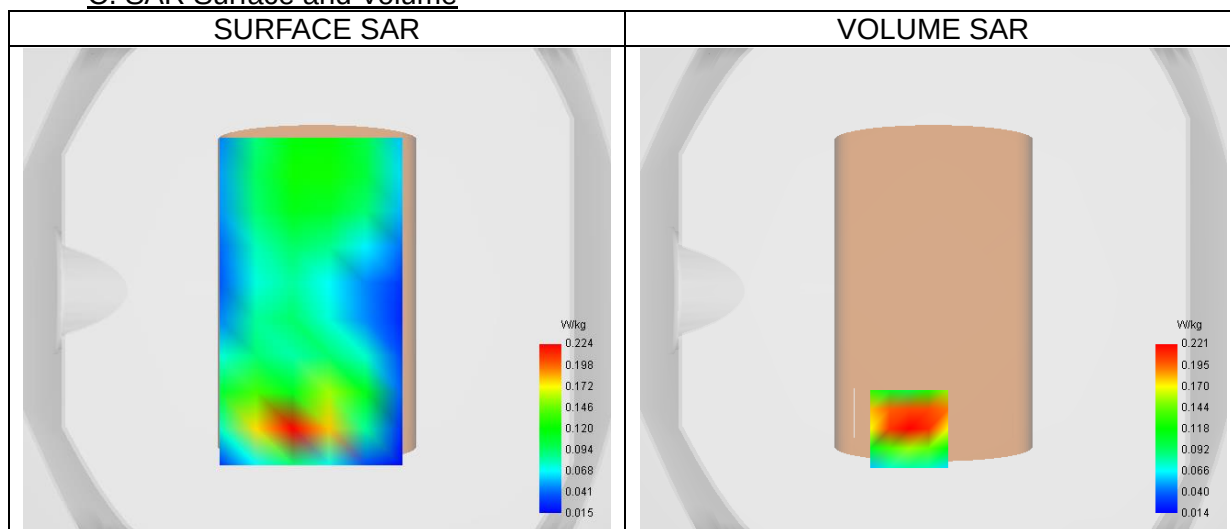
Date of measurement: 31/10/2025

A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
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)	41.19
Relative permittivity (imaginary part)	19.28
Conductivity (S/m)	0.90

C. SAR Surface and Volume

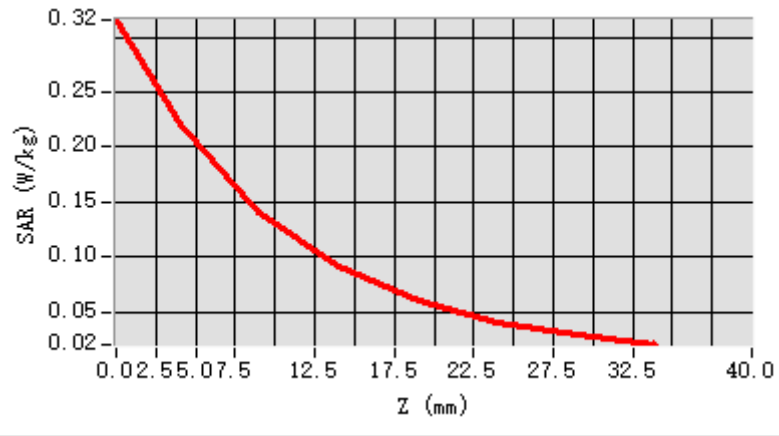
Maximum location: X=-10.00, Y=-57.00 ; SAR Peak: 0.34 W/kg

D. SAR 1g & 10g

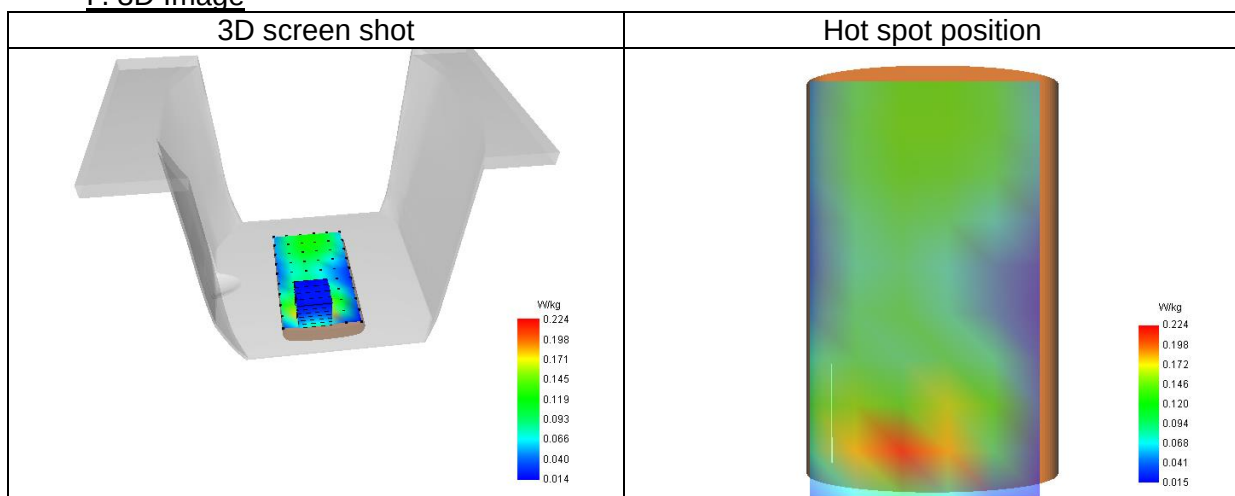
SAR 10g (W/Kg)	0.125
SAR 1g (W/Kg)	0.215
Variation (%)	-0.16
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	63.72

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.316	0.221	0.141	0.092	0.061	0.040	0.029



F. 3D Image



11# SAR Measurement at ISM (Cheek, Left)

Date of measurement: 28/10/2025

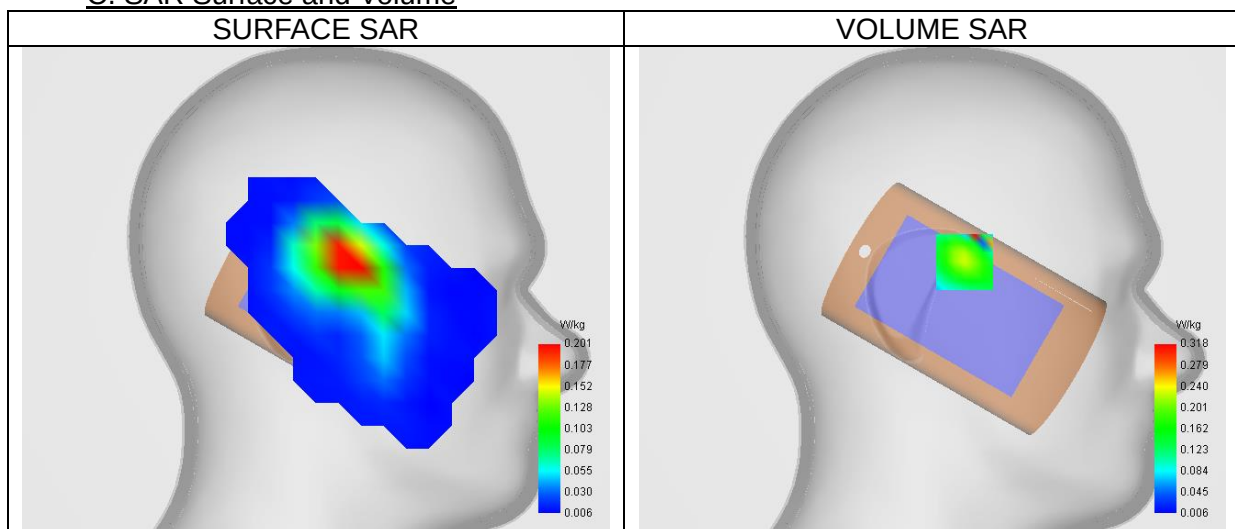
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.63
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)	38.19
Relative permittivity (imaginary part)	13.56
Conductivity (S/m)	1.84

C. SAR Surface and Volume



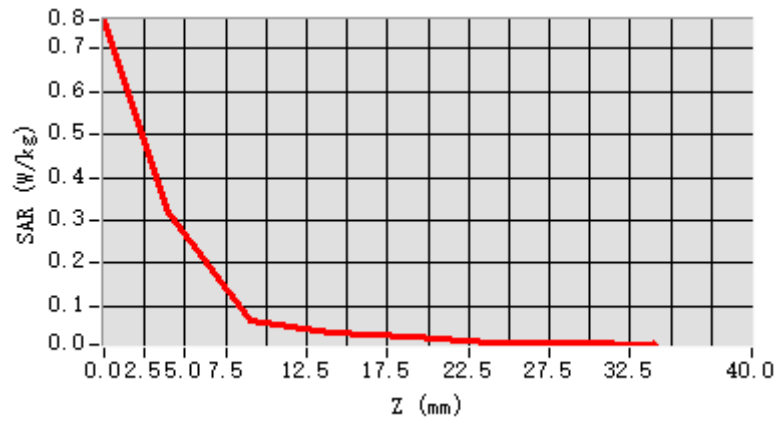
Maximum location: X=-17.00, Y=15.00 ; SAR Peak: 0.75 W/kg

D. SAR 1g & 10g

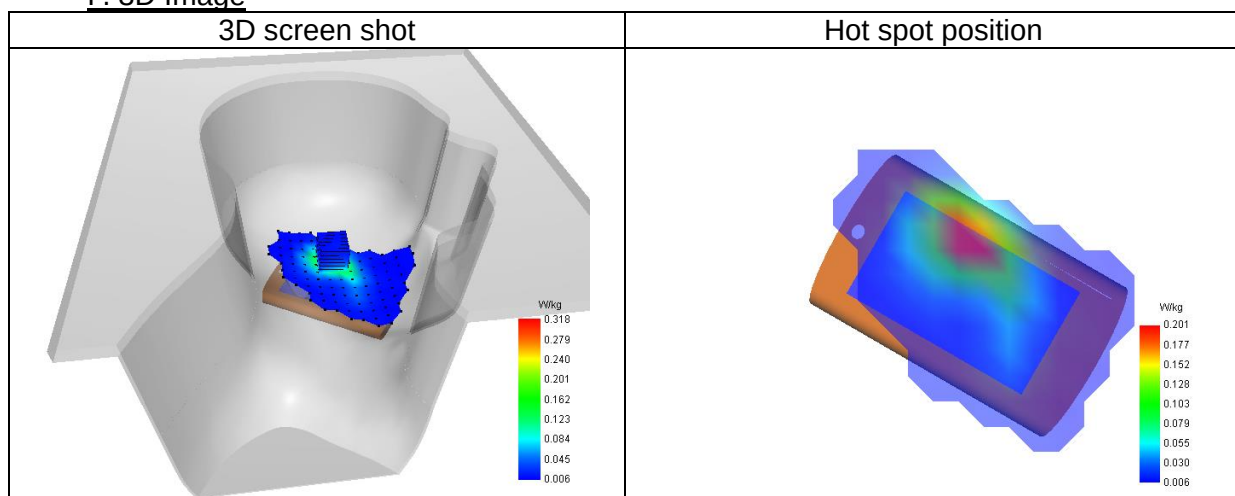
SAR 10g (W/Kg)	0.096
SAR 1g (W/Kg)	0.190
Variation (%)	-1.24
Horizontal validation criteria: minimum distance (mm)	5.00
Vertical validation criteria: SAR ratio M2/M1 (%)	44.48

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.767	0.318	0.064	0.037	0.028	0.015	0.015



F. 3D Image



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

Date of measurement: 28/10/2025

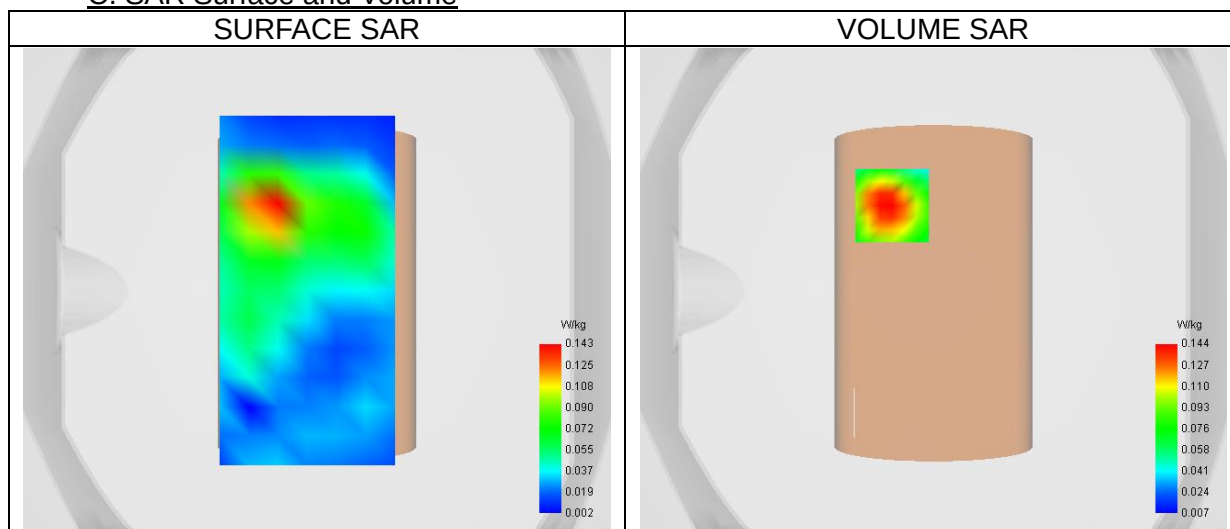
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.63
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)	38.19
Relative permittivity (imaginary part)	13.56
Conductivity (S/m)	1.84

C. SAR Surface and Volume



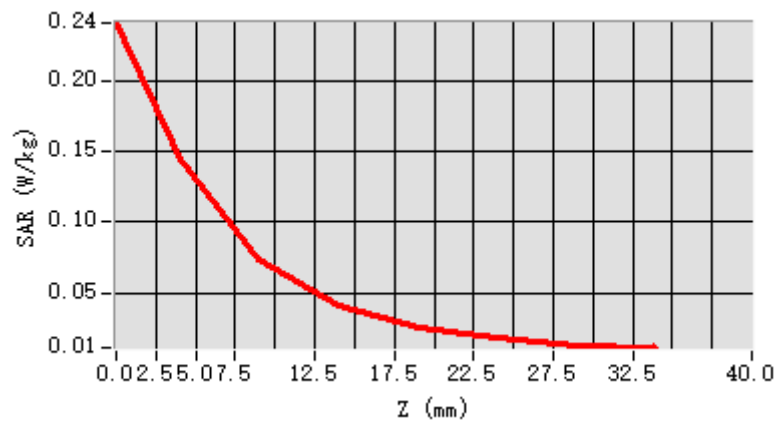
Maximum location: X=-17.00, Y=35.00 ; SAR Peak: 0.24 W/kg

D. SAR 1g & 10g

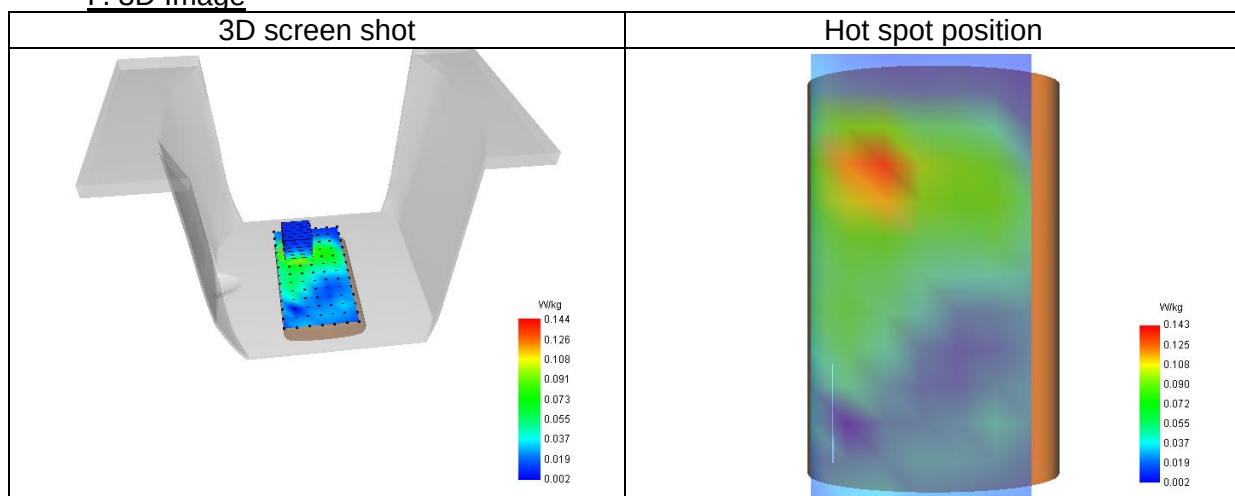
SAR 10g (W/Kg)	0.072
SAR 1g (W/Kg)	0.139
Variation (%)	-1.52
Horizontal validation criteria: minimum distance (mm)	14.14
Vertical validation criteria: SAR ratio M2/M1 (%)	52.19

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.241	0.144	0.074	0.040	0.025	0.018	0.013



F. 3D Image



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

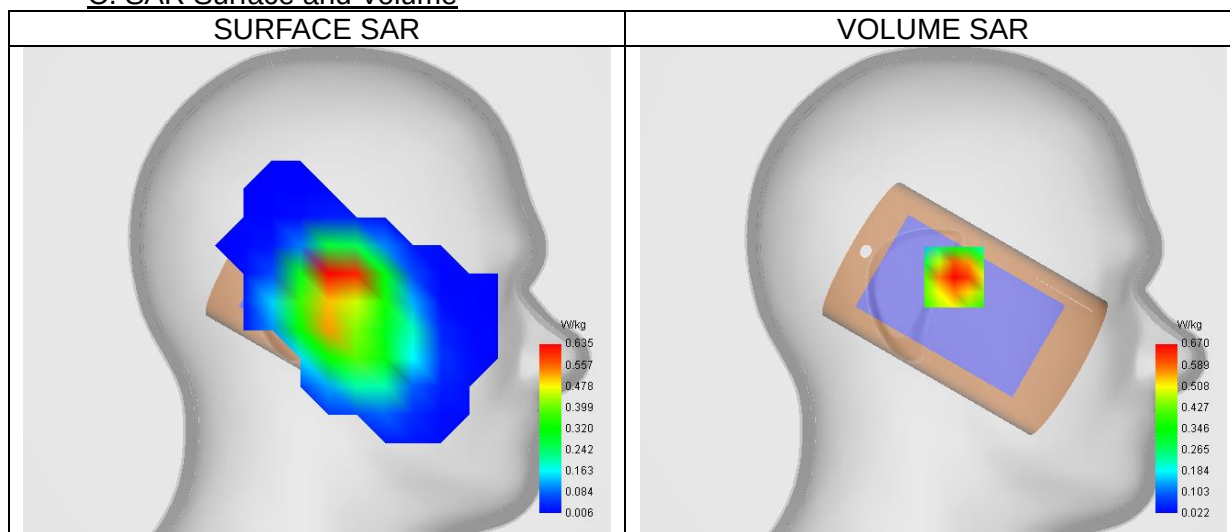
Date of measurement: 19/10/2025

A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
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)	38.49
Relative permittivity (imaginary part)	13.80
Conductivity (S/m)	1.44

C. SAR Surface and Volume

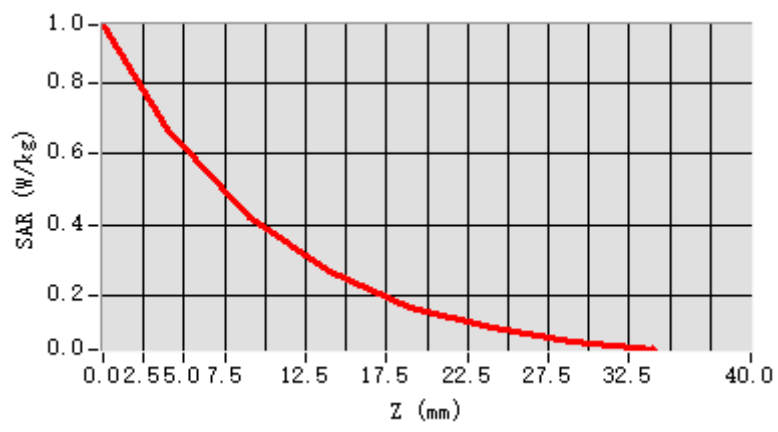
Maximum location: X=-11.00, Y=7.00 ; SAR Peak: 0.97 W/kg

D. SAR 1g & 10g

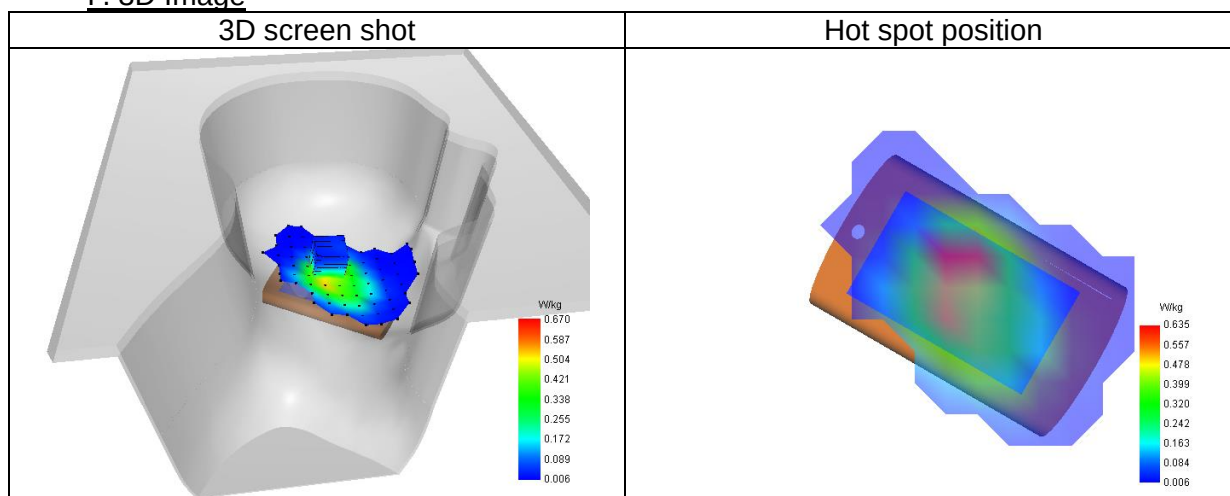
SAR 10g (W/Kg)	0.374
SAR 1g (W/Kg)	0.654
Variation (%)	1.02
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	62.97

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.963	0.670	0.421	0.268	0.169	0.110	0.071



F. 3D Image



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

Date of measurement: 19/10/2025

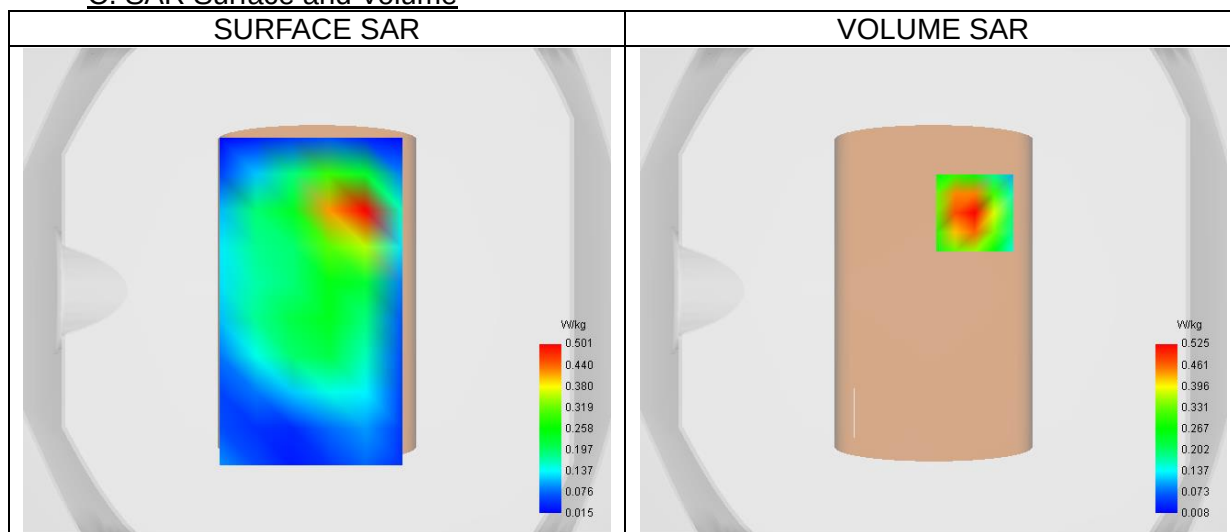
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.58
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)	38.49
Relative permittivity (imaginary part)	13.80
Conductivity (S/m)	1.44

C. SAR Surface and Volume



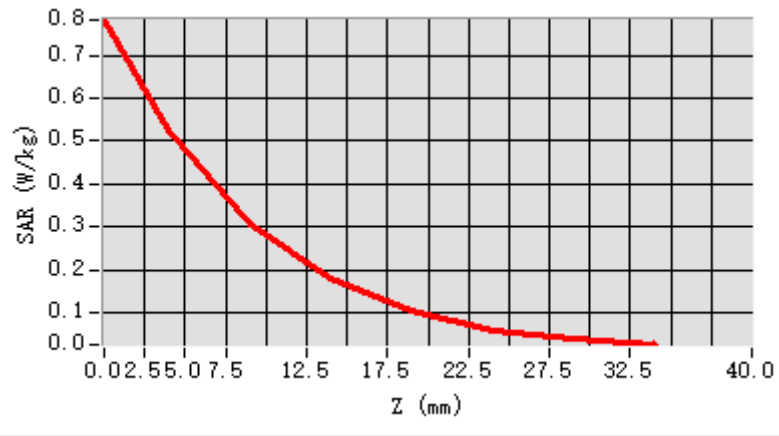
Maximum location: X=17.00, Y=32.00 ; SAR Peak: 0.80 W/kg

D. SAR 1g & 10g

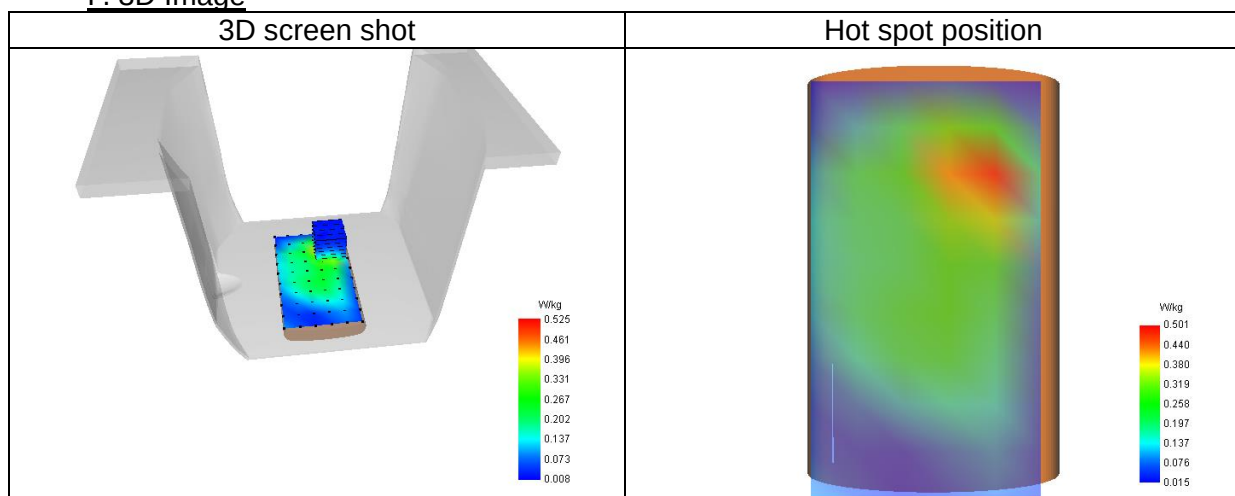
SAR 10g (W/Kg)	0.272
SAR 1g (W/Kg)	0.508
Variation (%)	2.58
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	58.44

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.783	0.525	0.307	0.178	0.102	0.058	0.040



F. 3D Image



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

Date of measurement: 18/10/2025

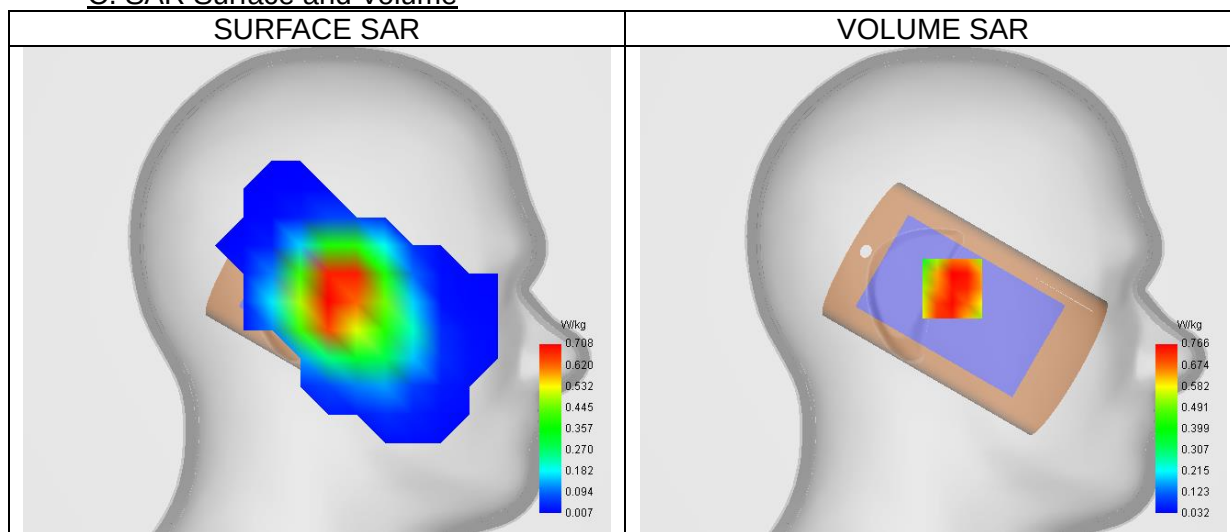
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
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)	39.14
Relative permittivity (imaginary part)	13.71
Conductivity (S/m)	1.32

C. SAR Surface and Volume



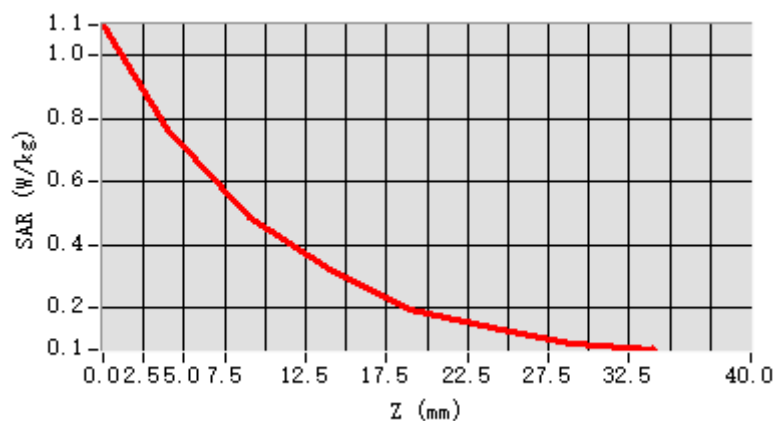
Maximum location: X=-10.00, Y=1.00 ; SAR Peak: 1.08 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.456
SAR 1g (W/Kg)	0.739
Variation (%)	-0.30
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	68.01

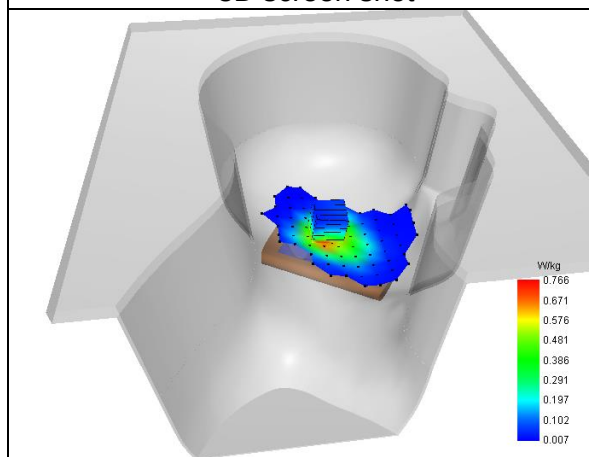
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.096	0.766	0.485	0.324	0.197	0.137	0.085

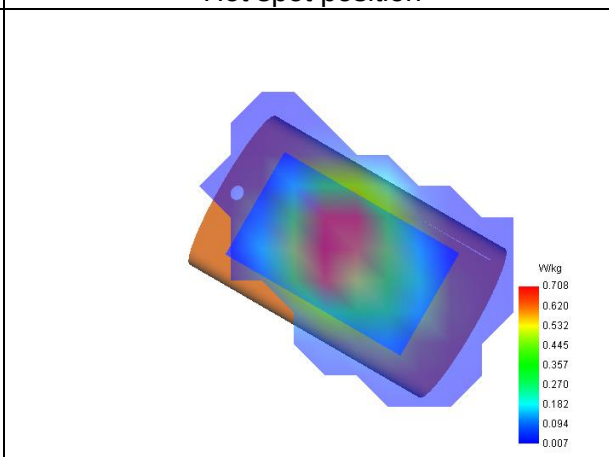


F. 3D Image

3D screen shot



Hot spot position



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

Date of measurement: 18/10/2025

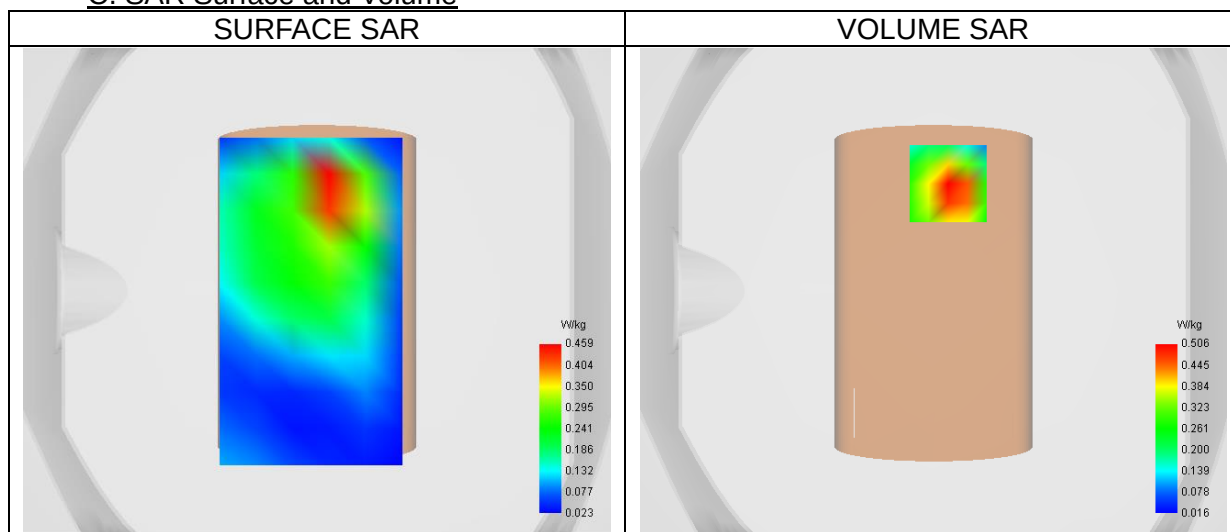
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
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)	39.14
Relative permittivity (imaginary part)	13.71
Conductivity (S/m)	1.32

C. SAR Surface and Volume



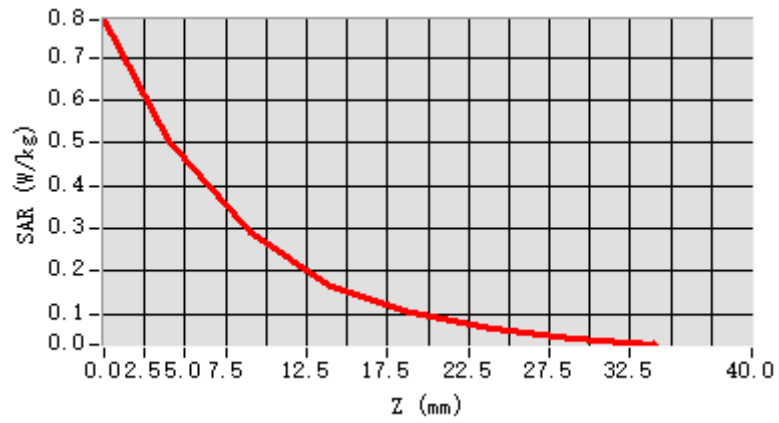
Maximum location: X=6.00, Y=44.00 ; SAR Peak: 0.79 W/kg

D. SAR 1g & 10g

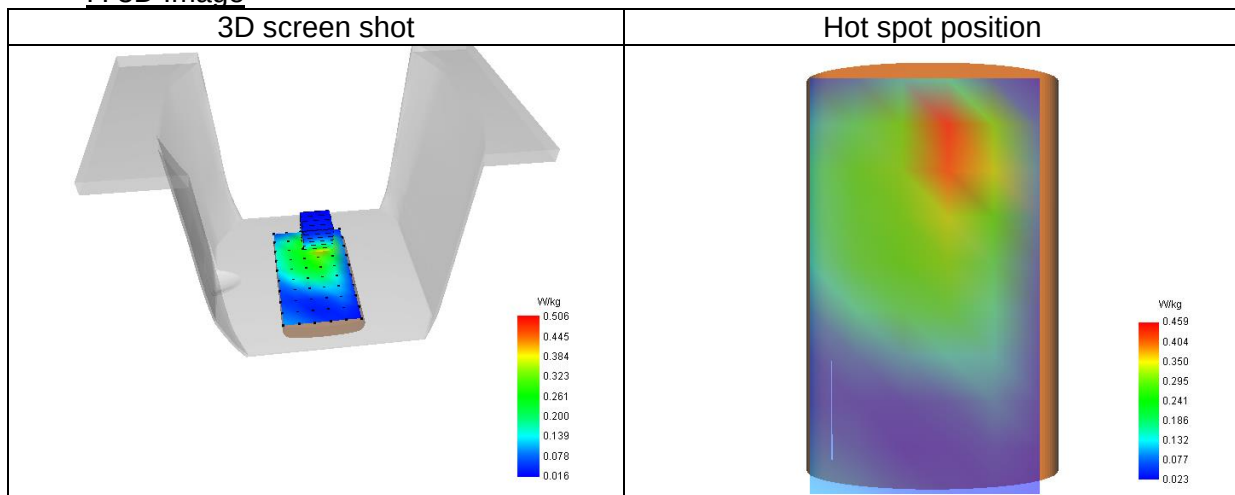
SAR 10g (W/Kg)	0.261
SAR 1g (W/Kg)	0.483
Variation (%)	-0.09
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	57.68

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.787	0.506	0.289	0.166	0.104	0.065	0.041



F. 3D Image



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

Date of measurement: 31/10/2025

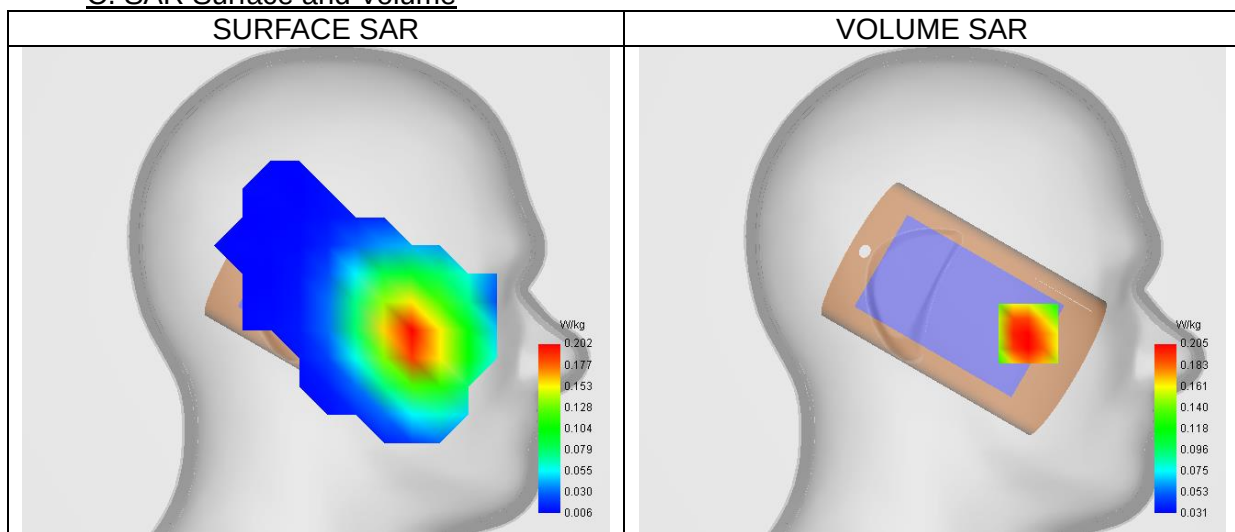
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
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)	41.19
Relative permittivity (imaginary part)	19.28
Conductivity (S/m)	0.90

C. SAR Surface and Volume



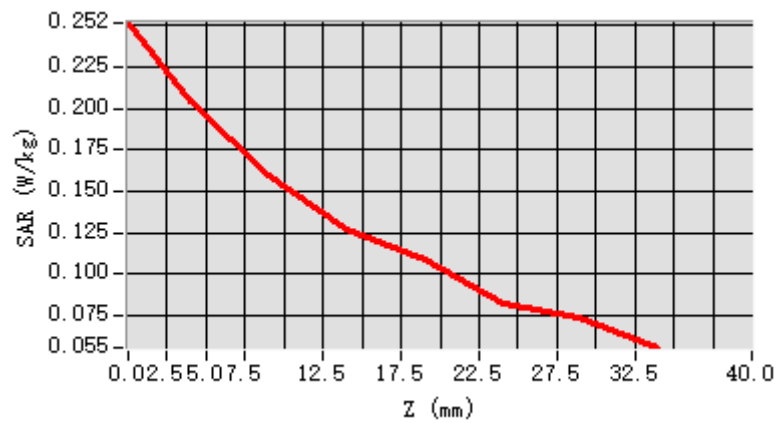
Maximum location: X=-51.00, Y=-23.00 ; SAR Peak: 0.26 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.150
SAR 1g (W/Kg)	0.202
Variation (%)	-3.49
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

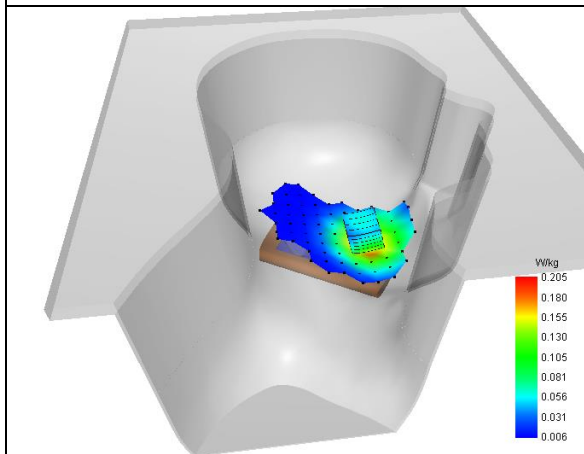
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.252	0.205	0.160	0.127	0.108	0.082	0.074

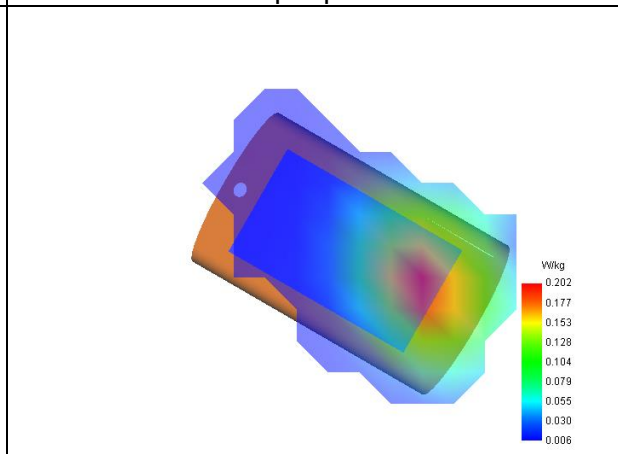


F. 3D Image

3D screen shot



Hot spot position



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

Date of measurement: 31/10/2025

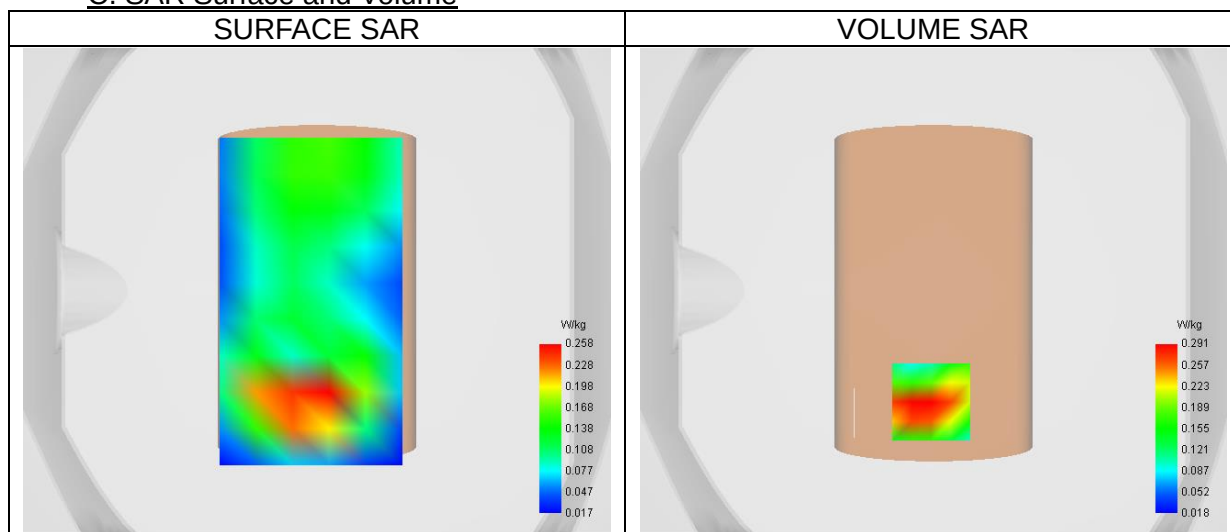
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.32
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)	41.19
Relative permittivity (imaginary part)	19.28
Conductivity (S/m)	0.90

C. SAR Surface and Volume



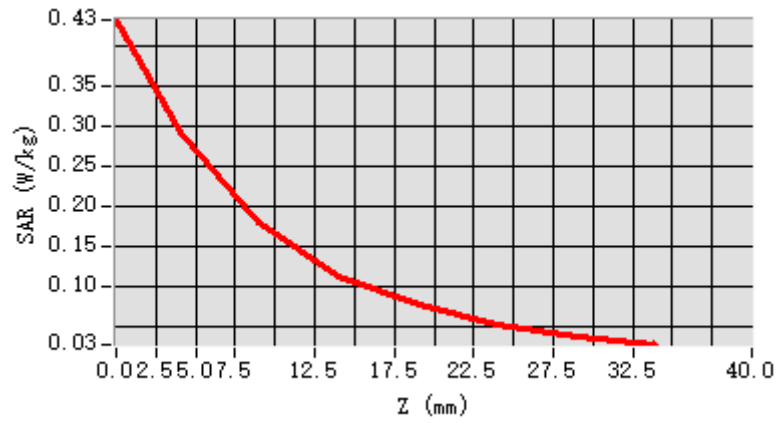
Maximum location: X=-1.00, Y=-46.00 ; SAR Peak: 0.45 W/kg

D. SAR 1g & 10g

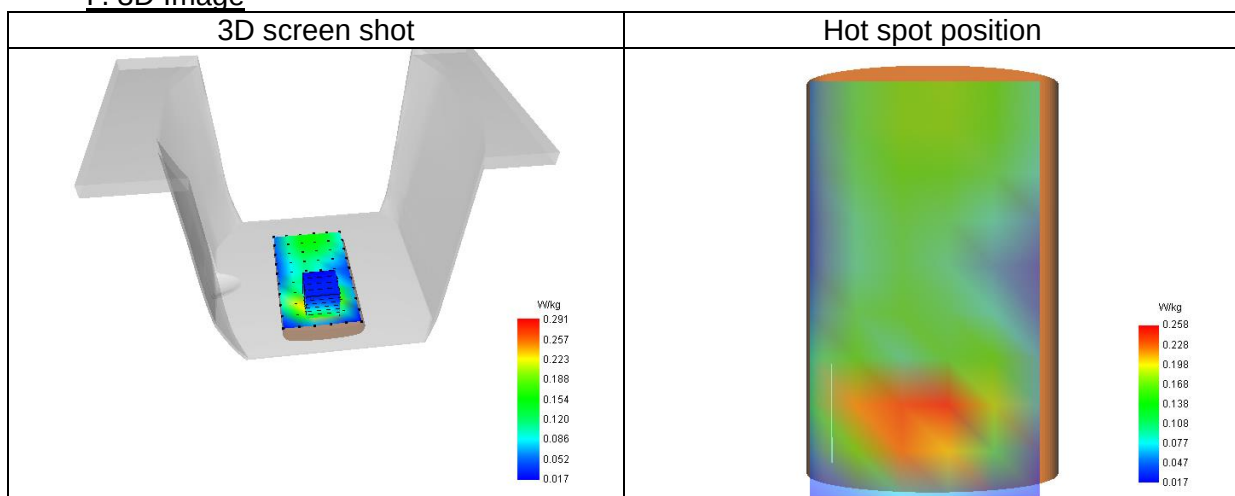
SAR 10g (W/Kg)	0.165
SAR 1g (W/Kg)	0.285
Variation (%)	1.19
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	61.73

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.432	0.291	0.180	0.113	0.077	0.053	0.037



F. 3D Image



19# SAR Measurement at LTE band 7 (Cheek, Right)

Date of measurement: 20/10/2025

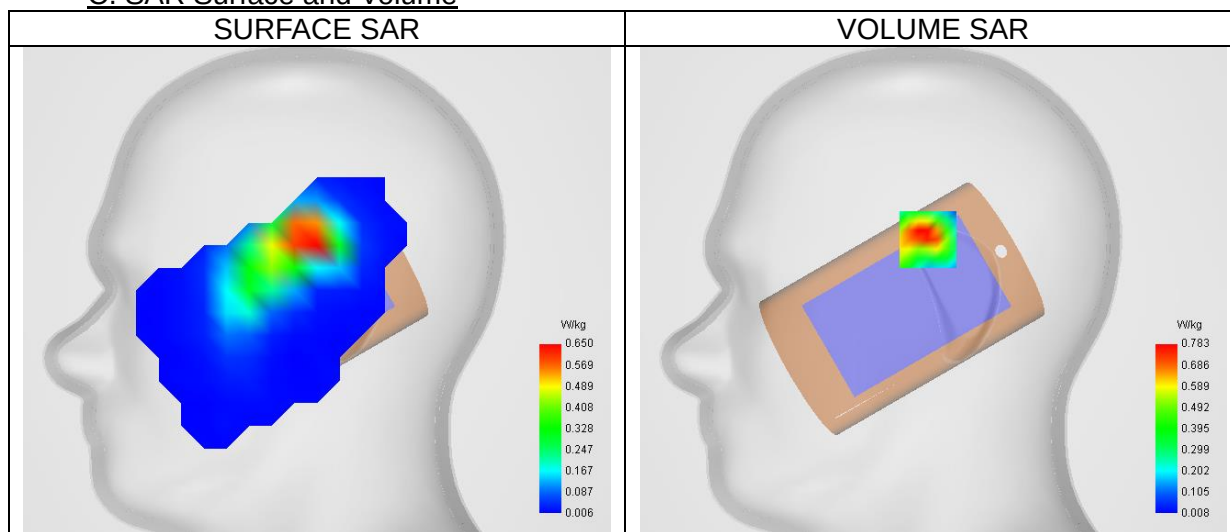
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Right 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)	40.39
Relative permittivity (imaginary part)	13.84
Conductivity (S/m)	1.95

C. SAR Surface and Volume



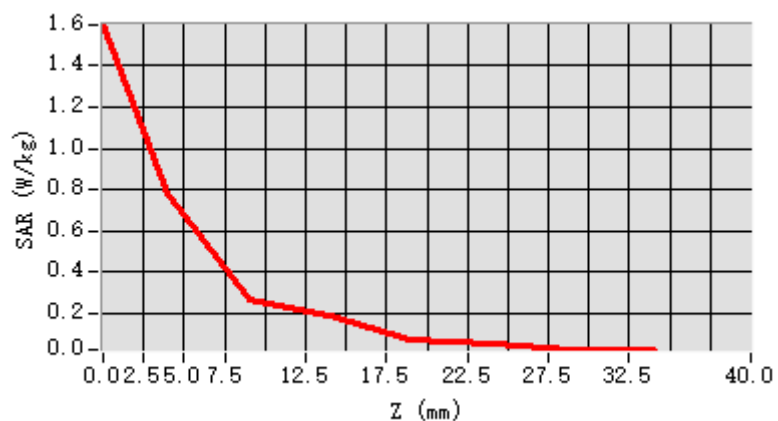
Maximum location: X=-3.00, Y=27.00 ; SAR Peak: 1.39 W/kg

D. SAR 1g & 10g

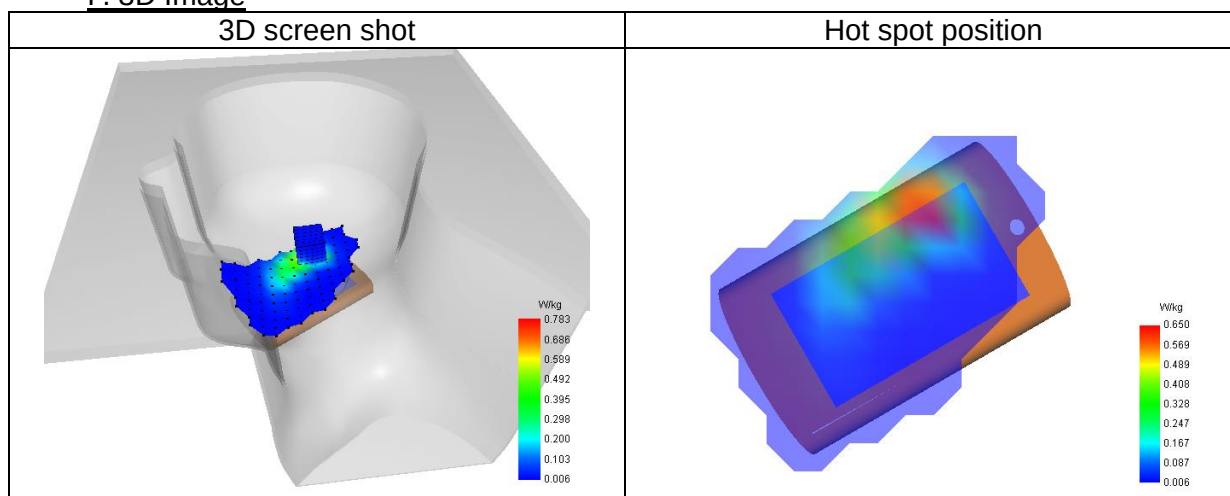
SAR 10g (W/Kg)	0.324
SAR 1g (W/Kg)	0.714
Variation (%)	0.91
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	47.57

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.600	0.783	0.264	0.186	0.071	0.050	0.022



F. 3D Image



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

Date of measurement: 20/10/2025

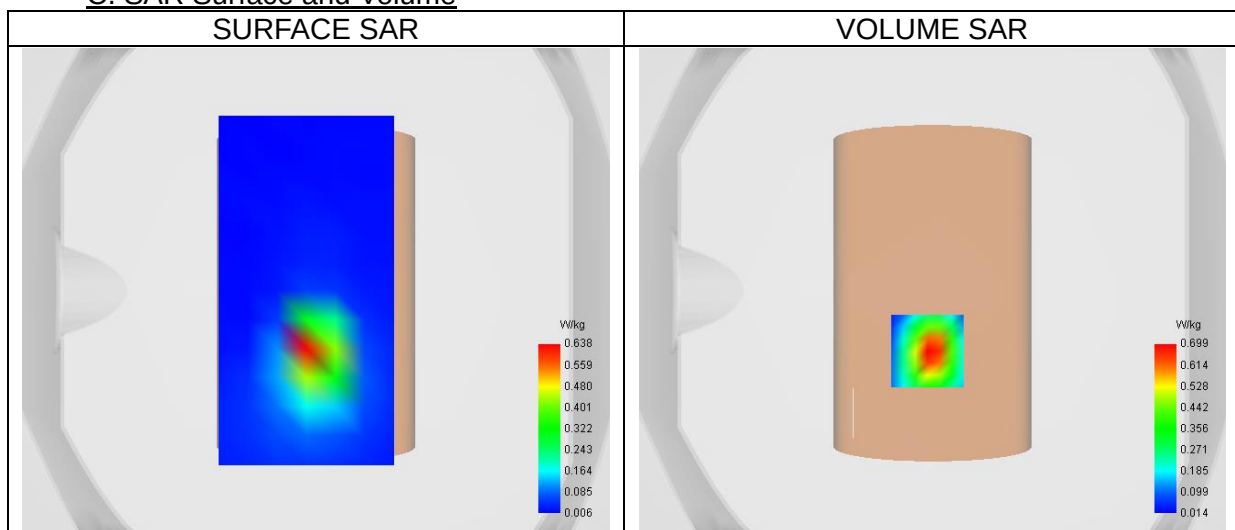
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
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)	40.39
Relative permittivity (imaginary part)	13.84
Conductivity (S/m)	1.95

C. SAR Surface and Volume



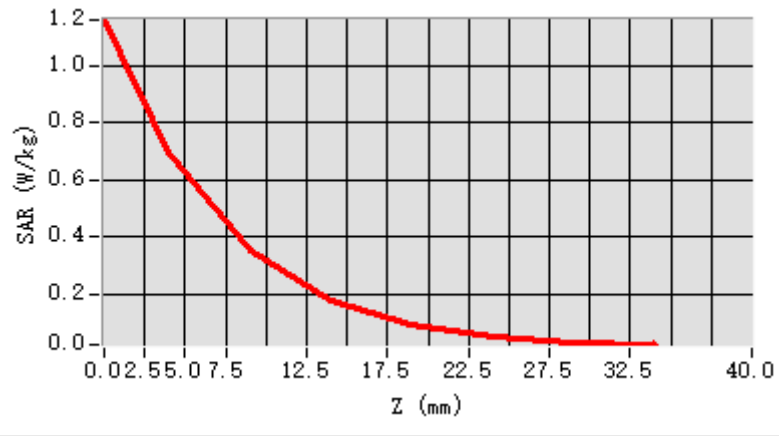
Maximum location: X=-2.00, Y=-25.00 ; SAR Peak: 1.18 W/kg

D. SAR 1g & 10g

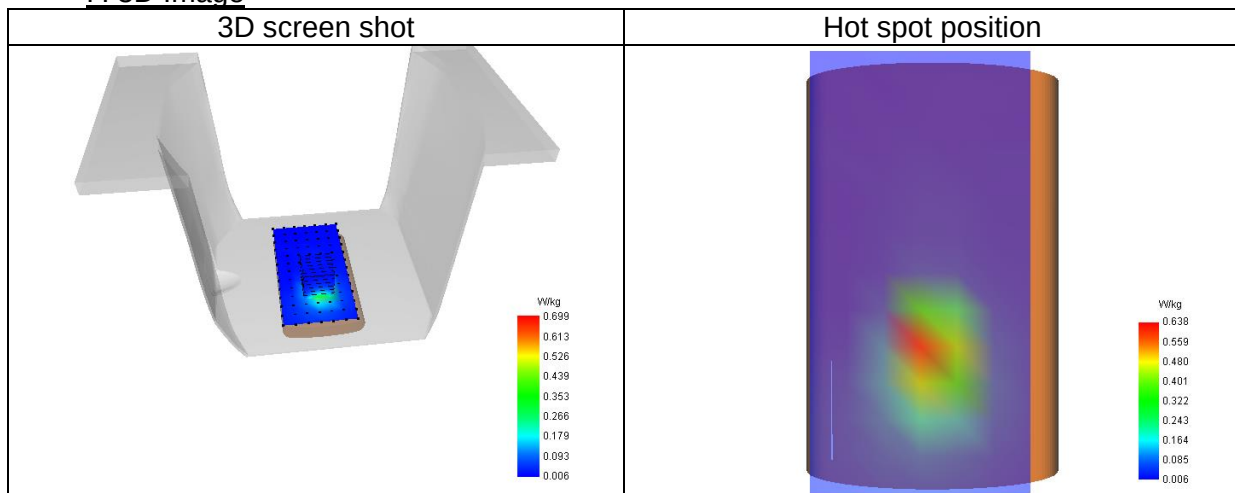
SAR 10g (W/Kg)	0.283
SAR 1g (W/Kg)	0.639
Variation (%)	2.49
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	50.70

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.160	0.699	0.355	0.182	0.097	0.053	0.032



F. 3D Image



21# SAR Measurement at LTE band 13 (Cheek, Right)

Date of measurement: 27/10/2025

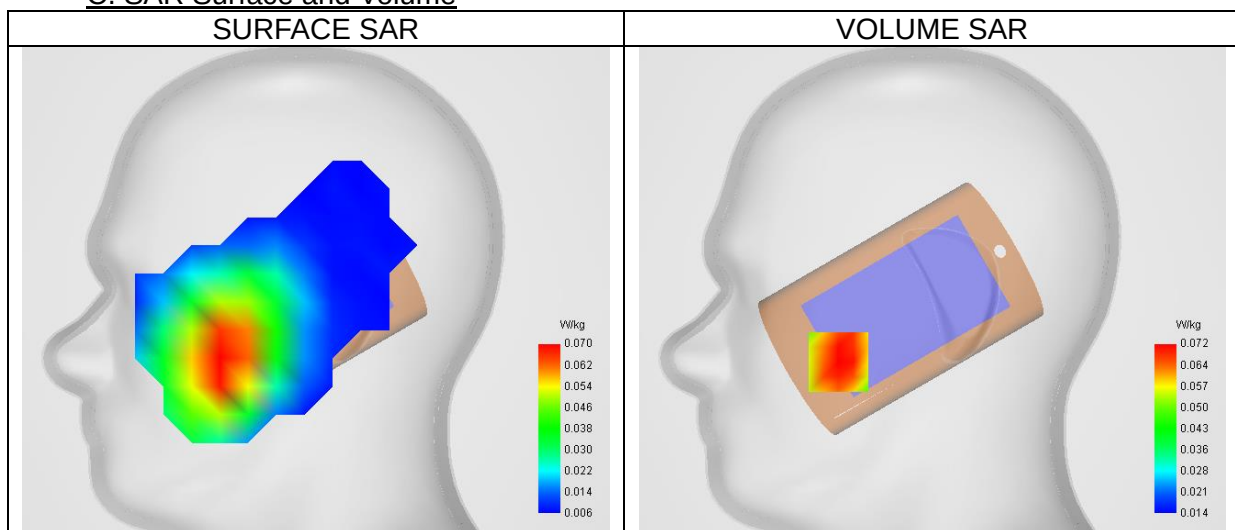
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.39
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	LTE band 13
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23230)/ frequency 782.00 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	782.00

B. Permittivity

Middle TX Frequency (MHz)	782.00
Relative permittivity (real part)	40.07
Relative permittivity (imaginary part)	21.08
Conductivity (S/m)	0.92

C. SAR Surface and Volume



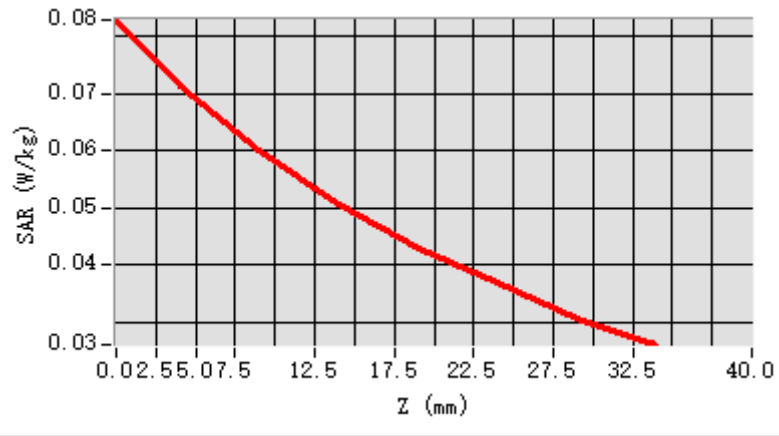
Maximum location: X=-50.00, Y=-38.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

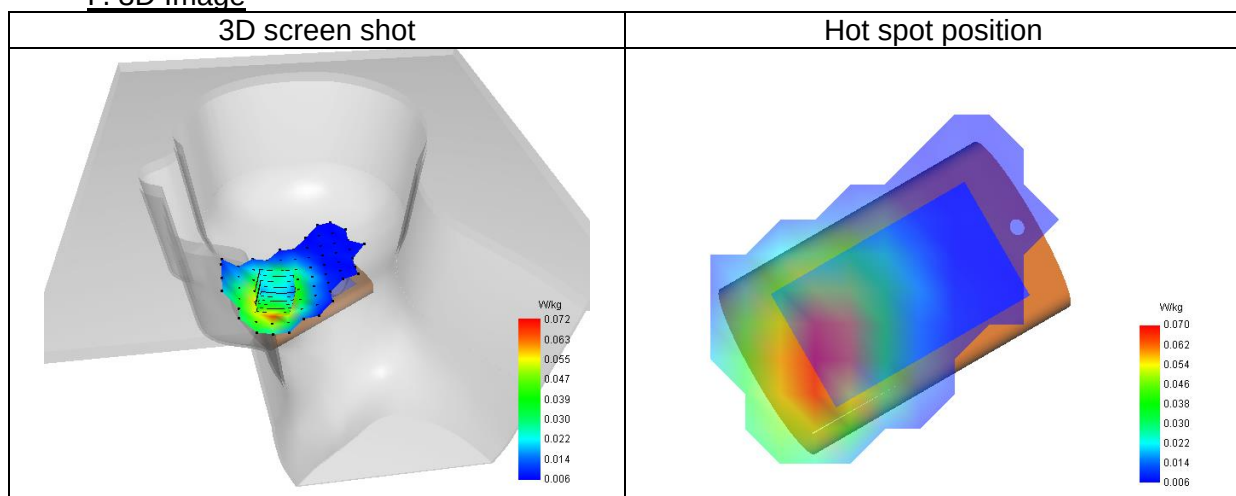
SAR 10g (W/Kg)	0.057
SAR 1g (W/Kg)	0.072
Variation (%)	-4.95
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.083	0.072	0.060	0.051	0.043	0.037	0.031



F. 3D Image



22# SAR Measurement at LTE band 13 (Body, Validation Plane)

Date of measurement: 27/10/2025

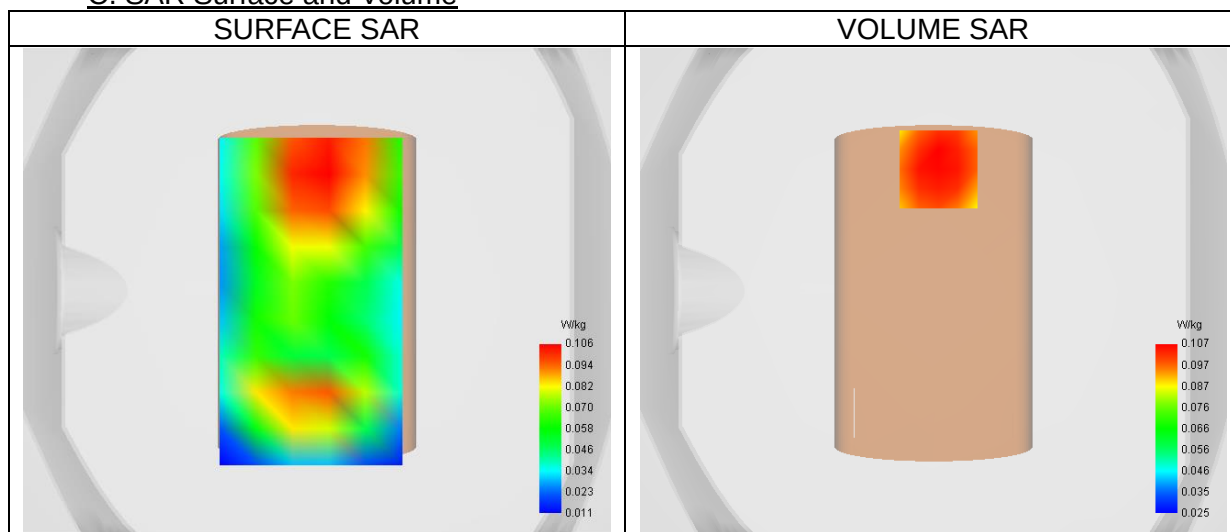
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.39
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 13
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23230)/ frequency 782.00 Mhz
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	782.00

B. Permittivity

Middle TX Frequency (MHz)	782.00
Relative permittivity (real part)	40.07
Relative permittivity (imaginary part)	21.08
Conductivity (S/m)	0.92

C. SAR Surface and Volume



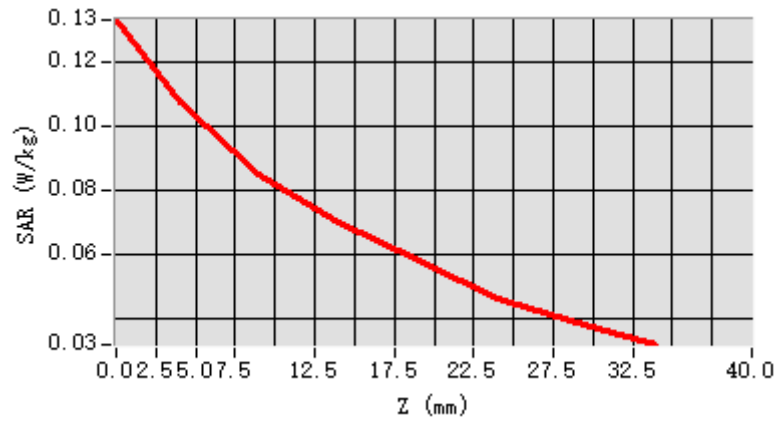
Maximum location: X=2.00, Y=50.00 ; SAR Peak: 0.13 W/kg

D. SAR 1g & 10g

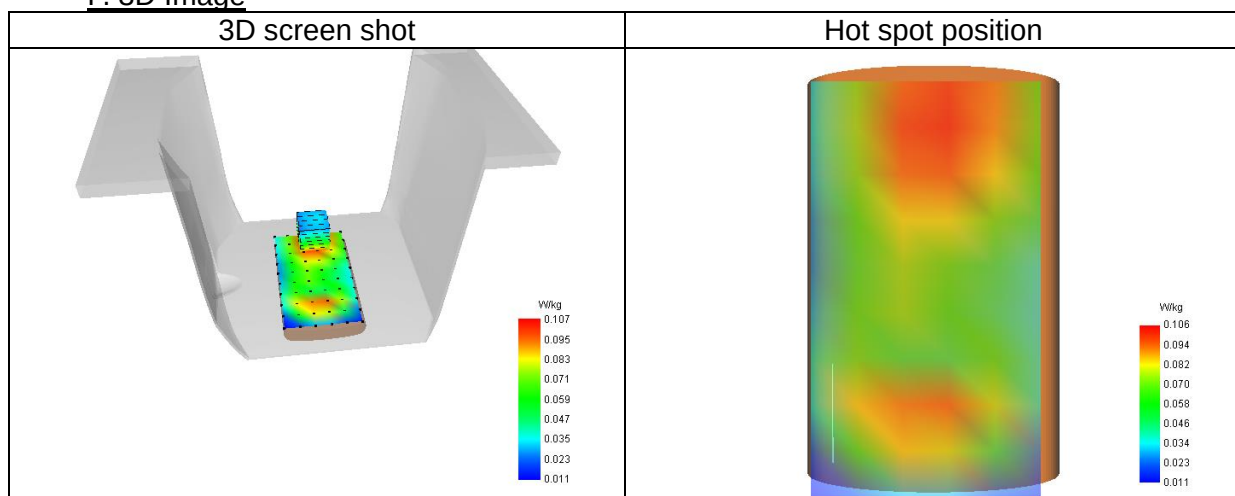
SAR 10g (W/Kg)	0.082
SAR 1g (W/Kg)	0.108
Variation (%)	0.14
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.133	0.107	0.085	0.070	0.058	0.047	0.039



F. 3D Image



23# SAR Measurement at LTE band 38 (Cheek, Left)

Date of measurement: 20/10/2025

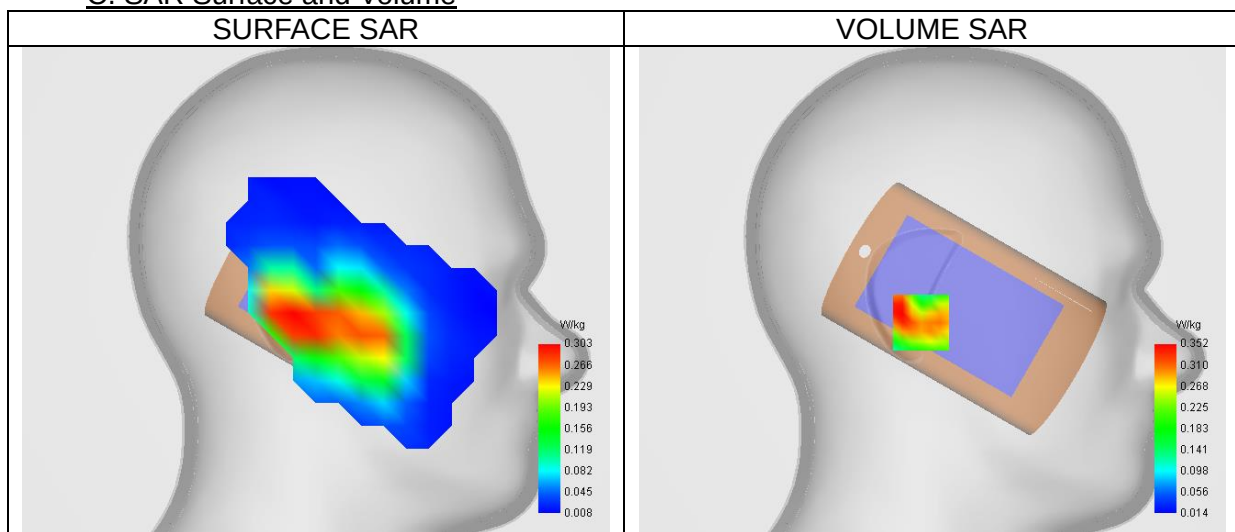
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
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 38
Signal	LTE TDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (38000)/ frequency 2595.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	2595.00

B. Permittivity

Middle TX Frequency (MHz)	2595.00
Relative permittivity (real part)	40.02
Relative permittivity (imaginary part)	14.05
Conductivity (S/m)	2.03

C. SAR Surface and Volume



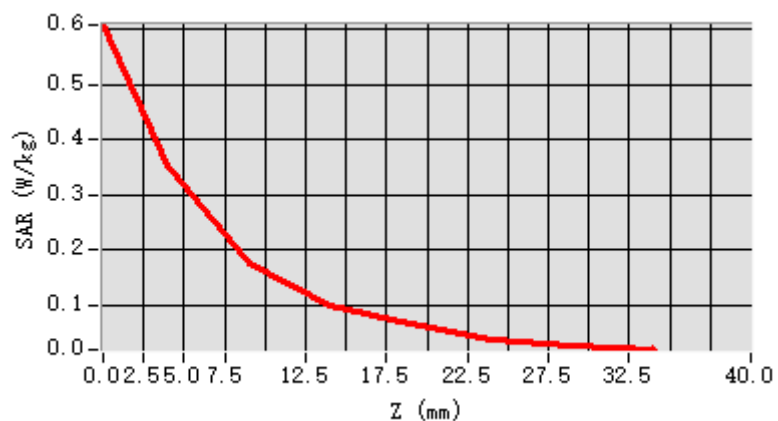
Maximum location: X=6.00, Y=-17.00 ; SAR Peak: 0.58 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.139
SAR 1g (W/Kg)	0.335
Variation (%)	-0.28
Horizontal validation criteria: minimum distance (mm)	14.14
Vertical validation criteria: SAR ratio M2/M1 (%)	53.50

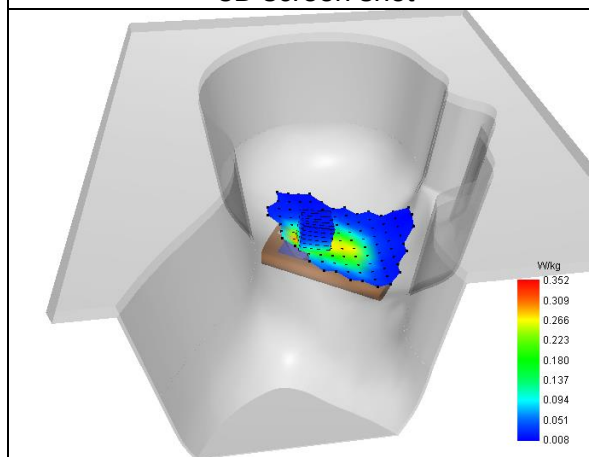
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.608	0.352	0.174	0.100	0.064	0.036	0.027

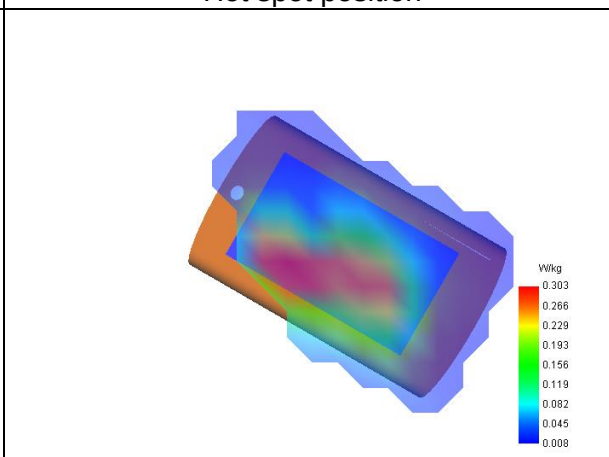


F. 3D Image

3D screen shot



Hot spot position



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

Date of measurement: 20/10/2025

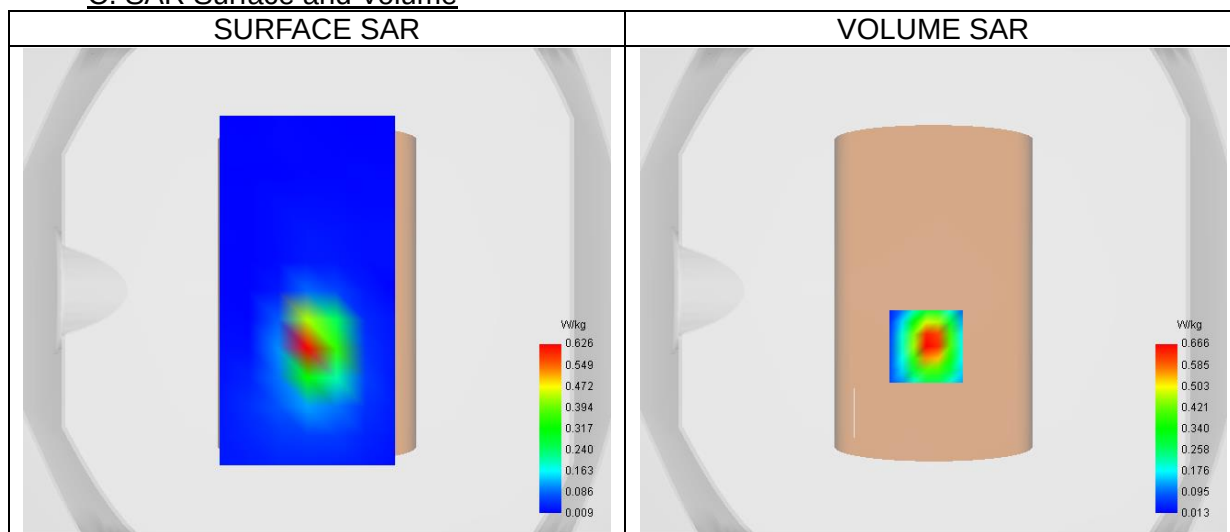
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
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 38
Signal	LTE TDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (38000)/ frequency 2595.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	2595.00

B. Permittivity

Middle TX Frequency (MHz)	2595.00
Relative permittivity (real part)	40.02
Relative permittivity (imaginary part)	14.05
Conductivity (S/m)	2.03

C. SAR Surface and Volume



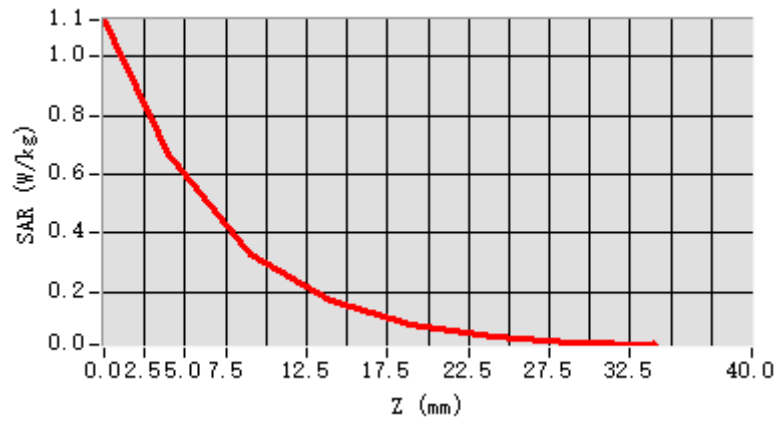
Maximum location: X=-3.00, Y=-23.00 ; SAR Peak: 1.16 W/kg

D. SAR 1g & 10g

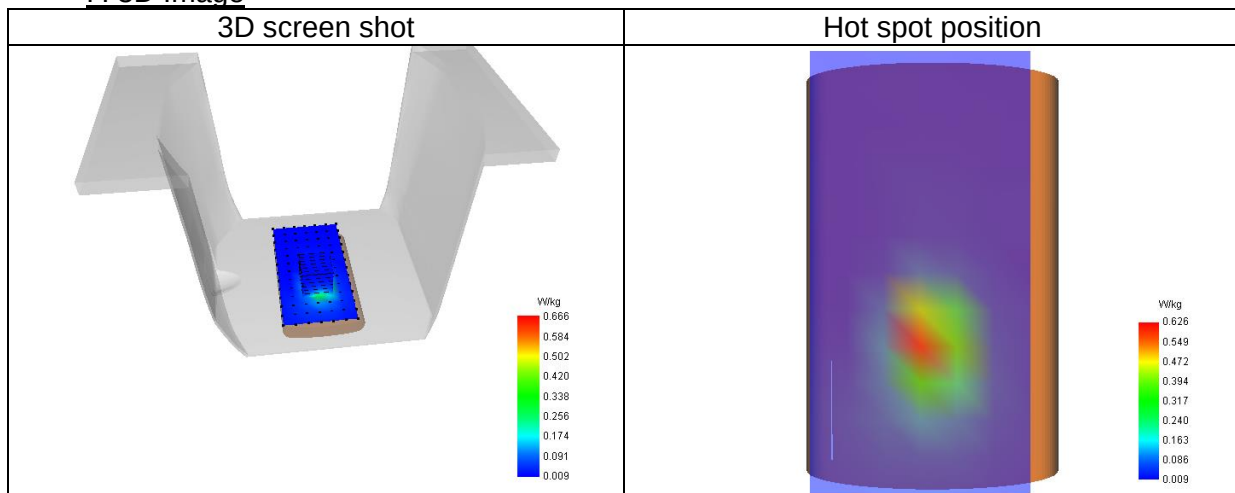
SAR 10g (W/Kg)	0.264
SAR 1g (W/Kg)	0.617
Variation (%)	3.15
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	49.44

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.125	0.666	0.329	0.172	0.090	0.050	0.030



F. 3D Image



25# SAR Measurement at LTE band 41 (Cheek, Left)

Date of measurement: 20/10/2025

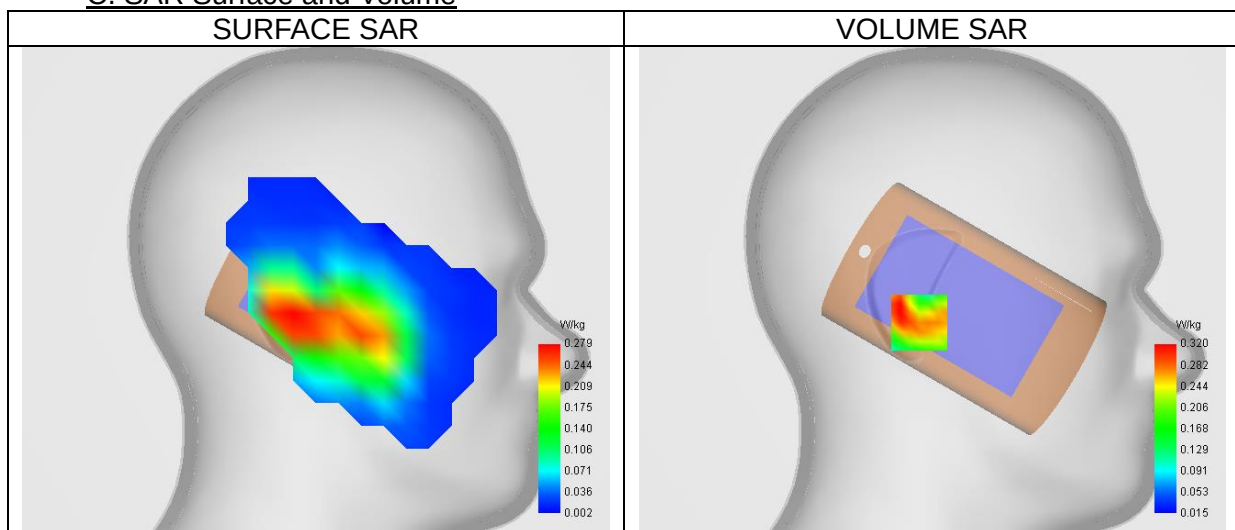
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
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 41
Signal	LTE TDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (40620)/ frequency 2593.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	2593.00

B. Permittivity

Middle TX Frequency (MHz)	2593.00
Relative permittivity (real part)	40.11
Relative permittivity (imaginary part)	14.00
Conductivity (S/m)	2.02

C. SAR Surface and Volume



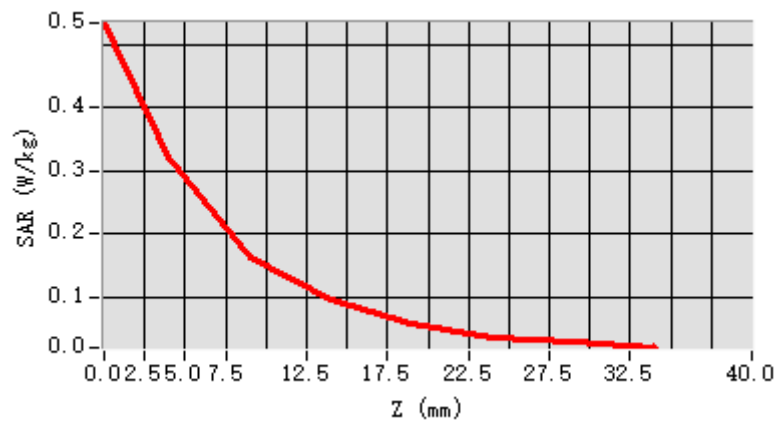
Maximum location: X=7.00, Y=-17.00 ; SAR Peak: 0.52 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.126
SAR 1g (W/Kg)	0.292
Variation (%)	-2.52
Horizontal validation criteria: minimum distance (mm)	14.14
Vertical validation criteria: SAR ratio M2/M1 (%)	57.31

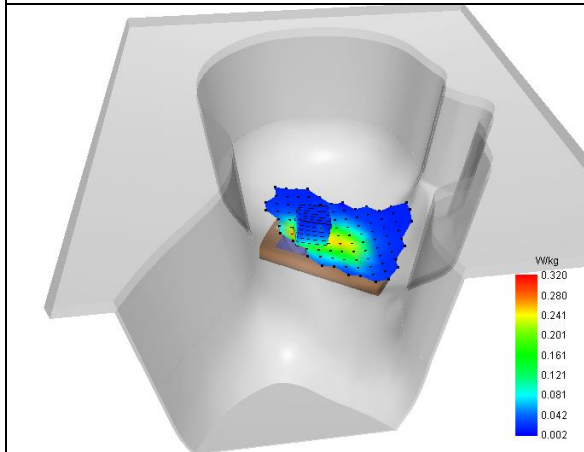
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.533	0.320	0.163	0.095	0.060	0.035	0.030

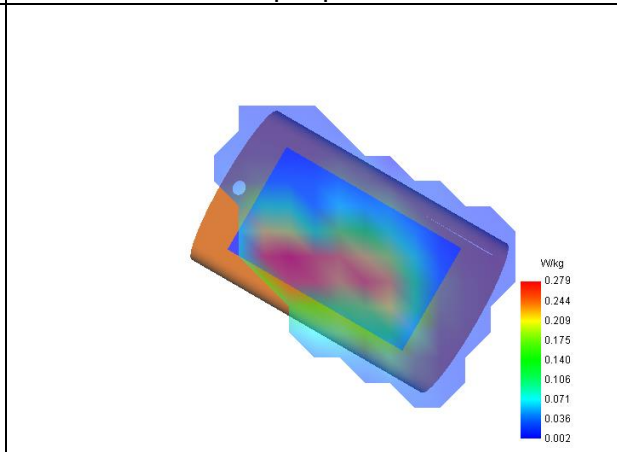


F. 3D Image

3D screen shot



Hot spot position



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

Date of measurement: 20/10/2025

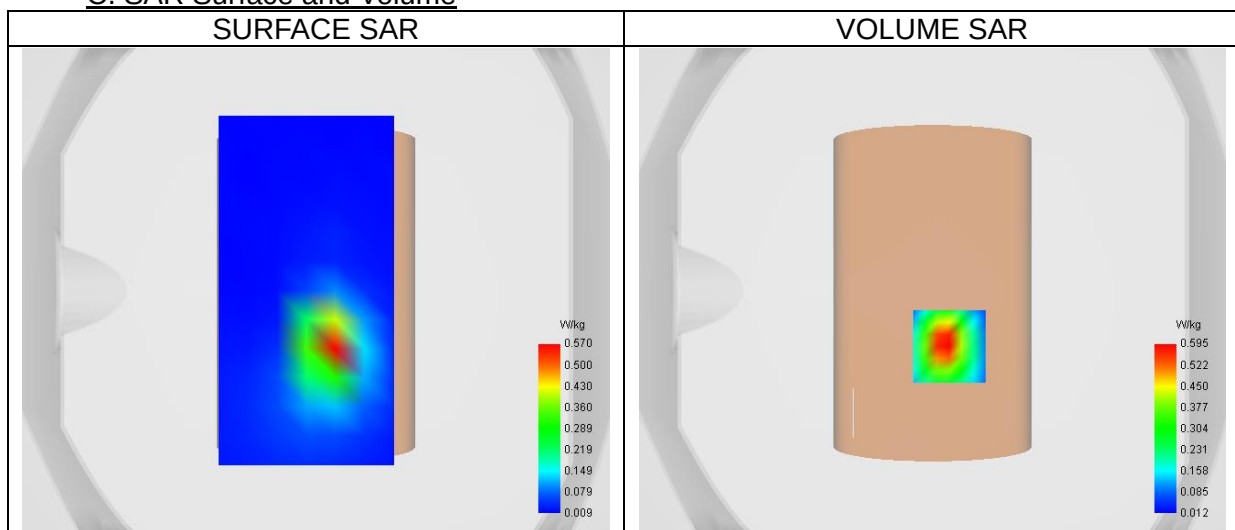
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.52
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
Signal	LTE TDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (40620)/ frequency 2593.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	2593.00

B. Permittivity

Middle TX Frequency (MHz)	2593.00
Relative permittivity (real part)	40.11
Relative permittivity (imaginary part)	14.00
Conductivity (S/m)	2.02

C. SAR Surface and Volume



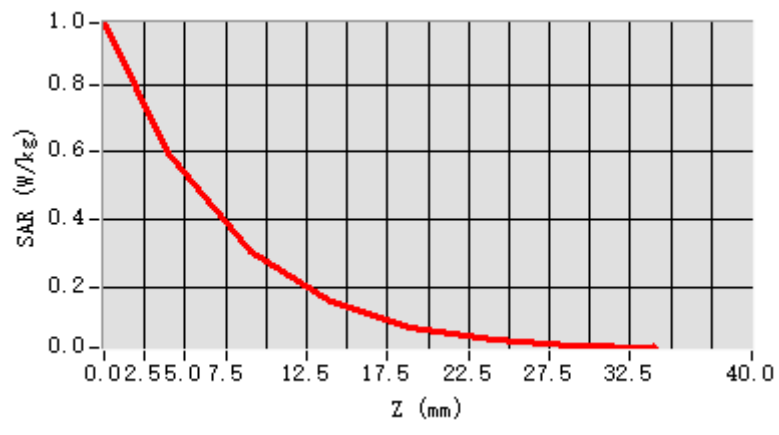
Maximum location: X=7.00, Y=-23.00 ; SAR Peak: 1.01 W/kg

D. SAR 1g & 10g

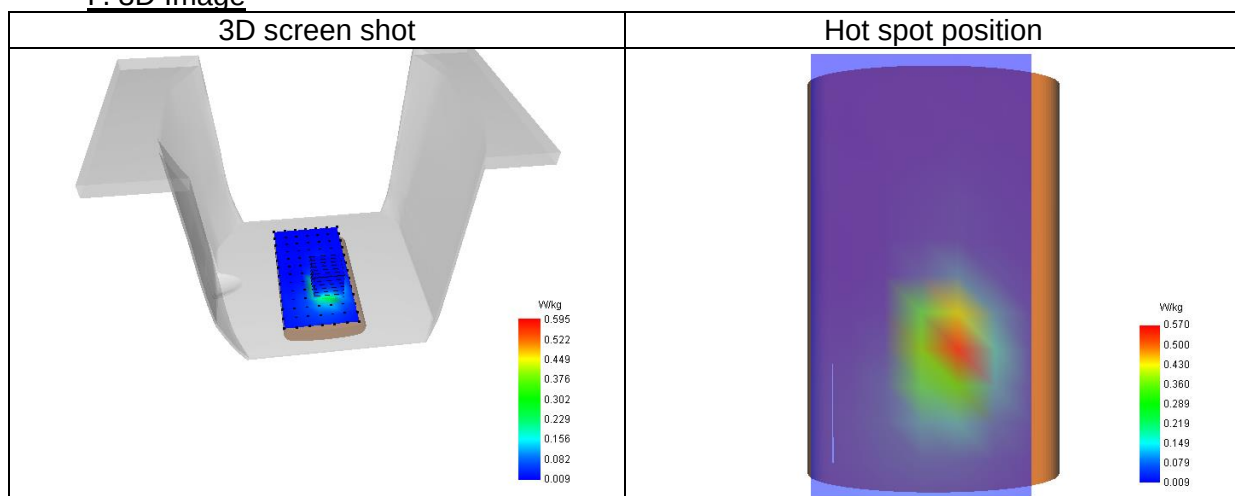
SAR 10g (W/Kg)	0.245
SAR 1g (W/Kg)	0.552
Variation (%)	-3.30
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	50.98

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.981	0.595	0.304	0.157	0.082	0.045	0.028



F. 3D Image



27# SAR Measurement at LTE band 66 (Cheek, Left)

Date of measurement: 18/10/2025

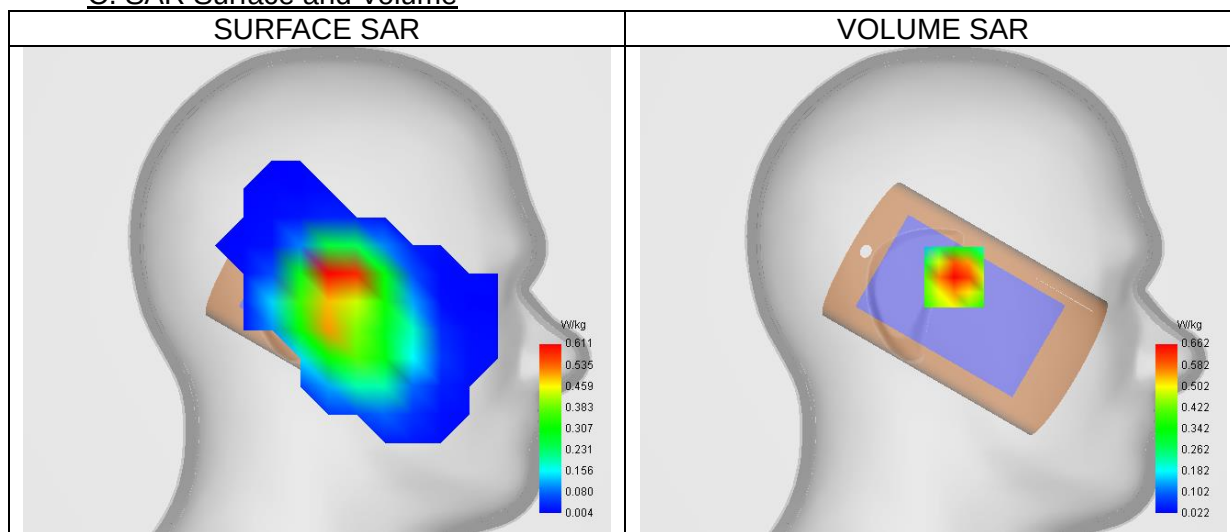
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
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 66
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (132322)/ frequency 1745.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1745.00

B. Permittivity

Middle TX Frequency (MHz)	1745.00
Relative permittivity (real part)	39.07
Relative permittivity (imaginary part)	13.71
Conductivity (S/m)	1.33

C. SAR Surface and Volume



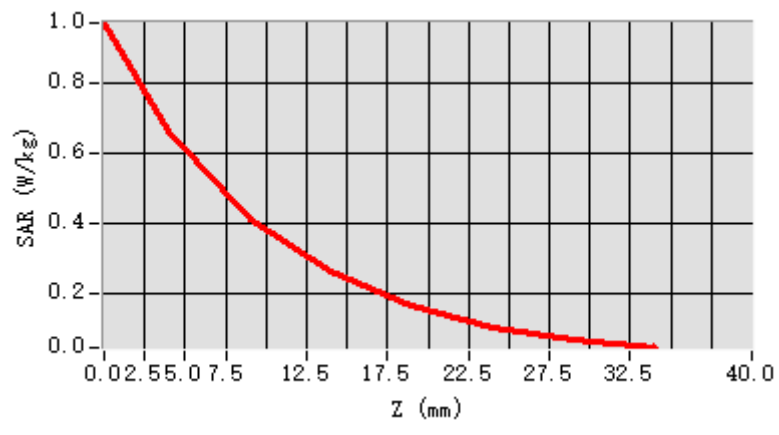
Maximum location: X=-11.00, Y=7.00 ; SAR Peak: 0.97 W/kg

D. SAR 1g & 10g

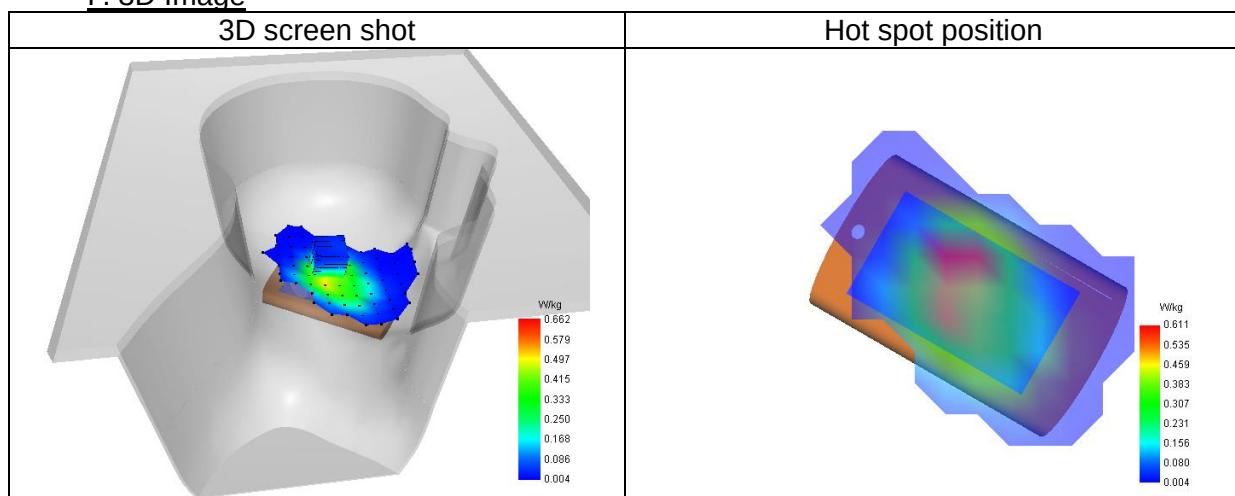
SAR 10g (W/Kg)	0.359
SAR 1g (W/Kg)	0.630
Variation (%)	-0.37
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	62.33

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.968	0.662	0.408	0.258	0.165	0.104	0.068



F. 3D Image



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

Date of measurement: 18/10/2025

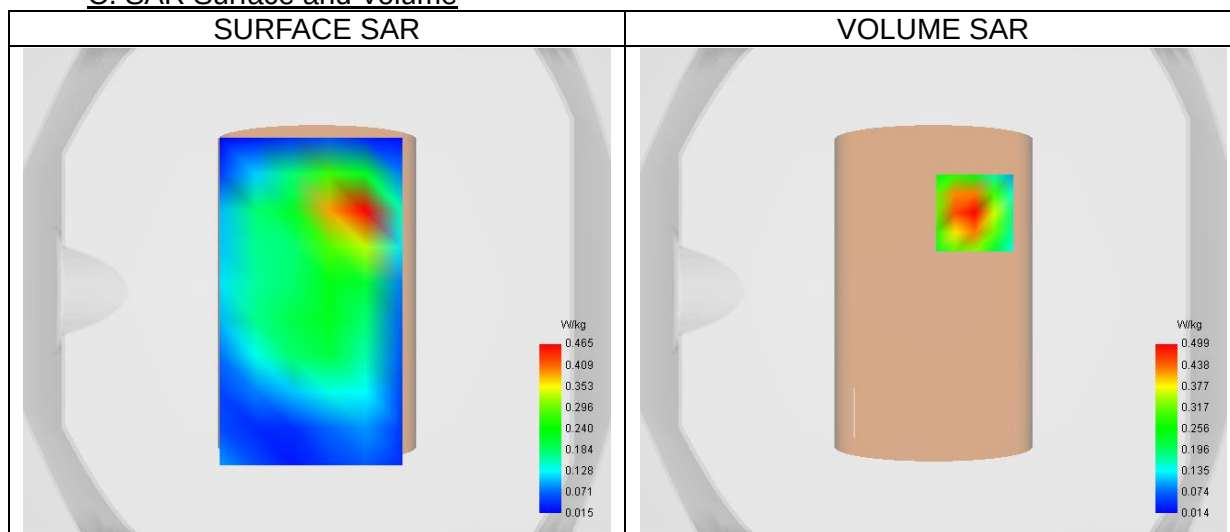
A. Experimental conditions.

Probe	0725-EPGO-448
ConvF	1.50
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
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (132322)/ frequency 1745.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1745.00

B. Permittivity

Middle TX Frequency (MHz)	1745.00
Relative permittivity (real part)	39.07
Relative permittivity (imaginary part)	13.71
Conductivity (S/m)	1.33

C. SAR Surface and Volume



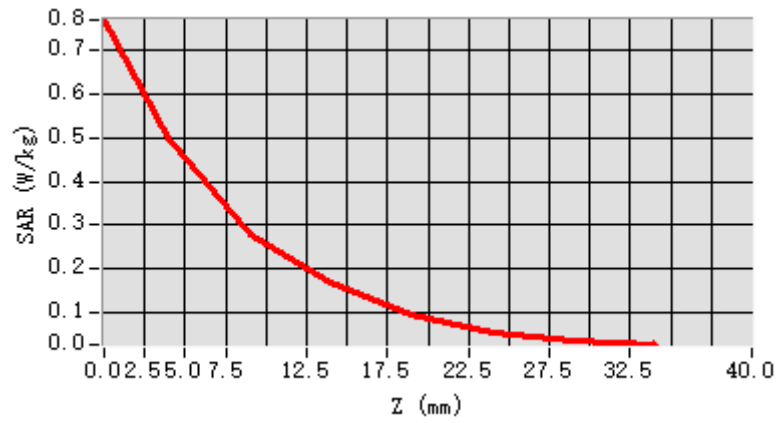
Maximum location: X=17.00, Y=32.00 ; SAR Peak: 0.80 W/kg

D. SAR 1g & 10g

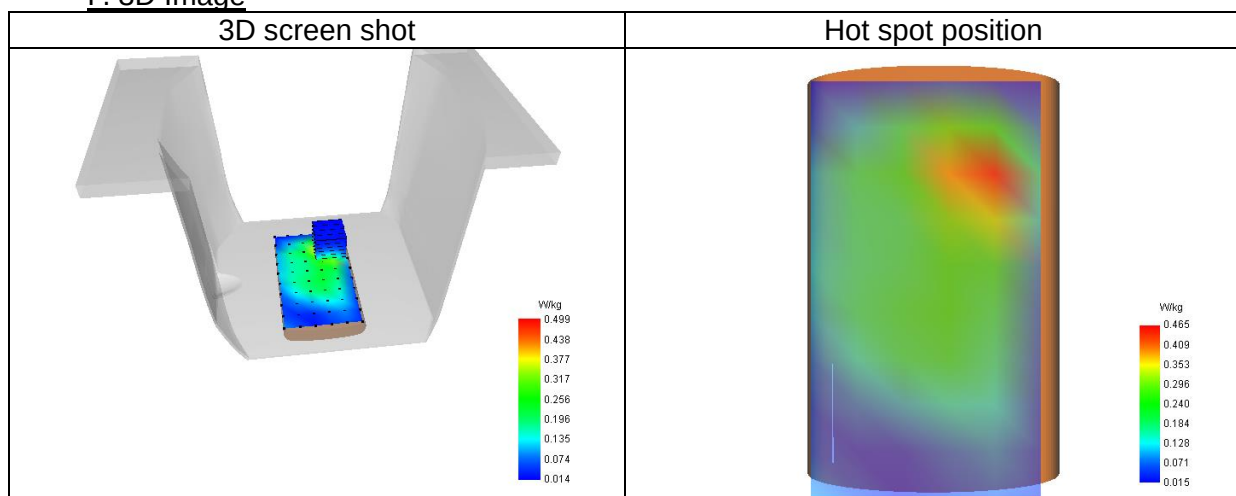
SAR 10g (W/Kg)	0.253
SAR 1g (W/Kg)	0.475
Variation (%)	2.68
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	56.23

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.770	0.499	0.280	0.166	0.093	0.054	0.036



F. 3D Image



5. Appendix D. Calibration Certificate

Table of contents
E Field Probe - 0725-EPGO-448
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
Justification of the extended calibration

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**COMOSAR E-Field Probe Calibration Report**

Ref : ACR.108.1.25.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.: 0725-EPGO-448**

Calibrated at MVG**Z.I. de la pointe du diable****Technopôle Brest Iroise – 295 avenue Alexis de Rochon****29280 PLOUZANE - FRANCE****Calibration date: 04/15/2025**

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 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).

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COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.108.1.25.BES.A

	<i>Name</i>	<i>Function</i>	<i>Date</i>	<i>Signature</i>
<i>Prepared by :</i>	Pedro Ruiz	Technical Manager	4/18/2025	
<i>Checked & approved by:</i>	Pedro Ruiz	Technical Manager	4/18/2025	
<i>Authorized by:</i>	Kim Rutkowski	Quality Manager	4/23/2025	Signed by: 2B9B8547AD1743* ...

	<i>Customer Name</i>
<i>Distribution :</i>	SHENZHEN NTEK TESTING TECHNOLOGY CO., LTD.

<i>Issue</i>	<i>Name</i>	<i>Date</i>	<i>Modifications</i>
A	Pedro Ruiz	4/18/2025	Initial release

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COMOSAR E-FIELD PROBE CALIBRATION REPORT

Ref: ACR.108.1.25.BES.A

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