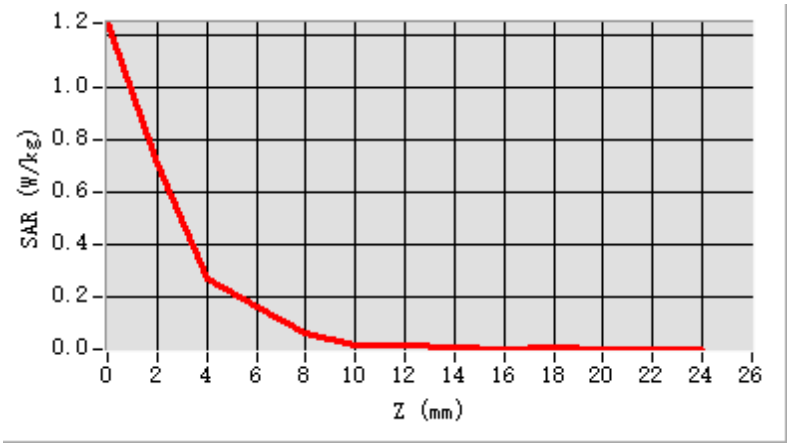
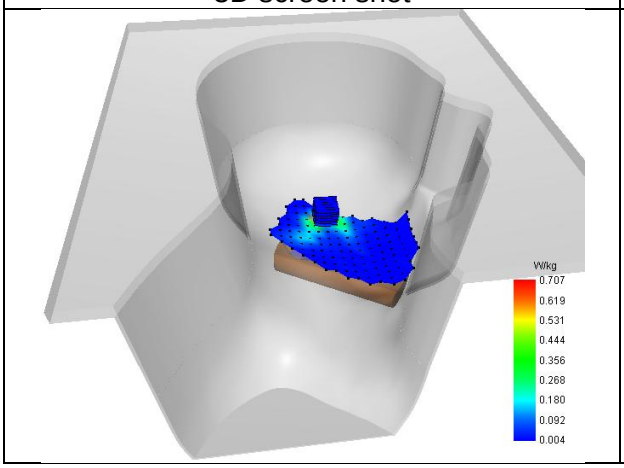
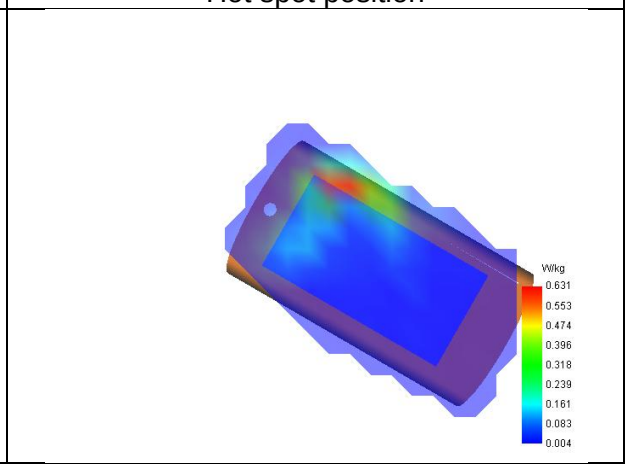


F. 3D Image

3D screen shot	Hot spot position
	

20# SAR Measurement at U-NII-1 (Cheek, Left)
Date of measurement: 15/3/2025

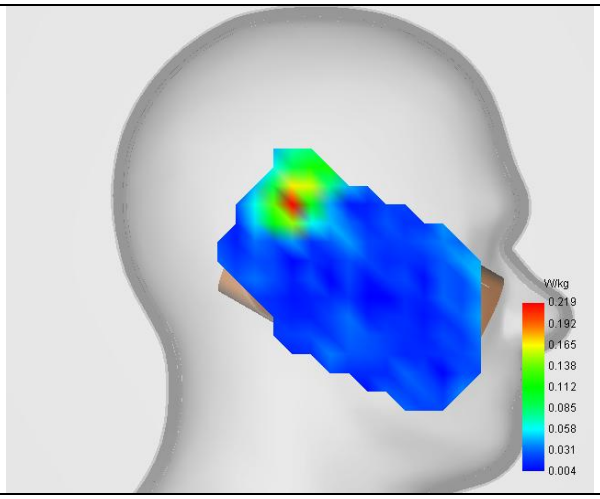
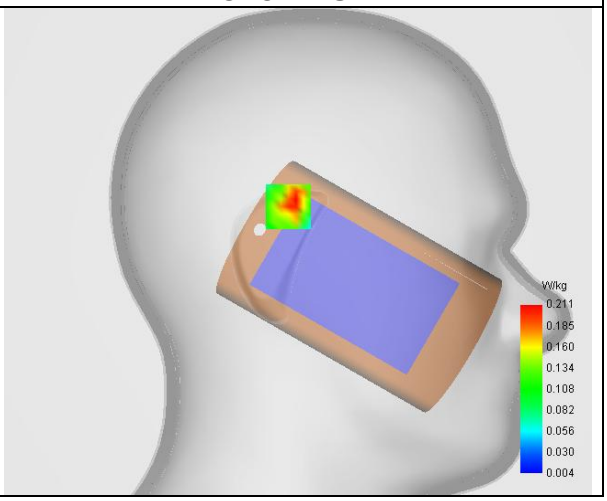
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.90
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 a
Channels/Frequency	Middle (157)/ frequency 5785.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5785.00
Relative permitivity (real part)	36.24
Relative permitivity (imaginary part)	15.80
Conductivity (S/m)	5.08

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

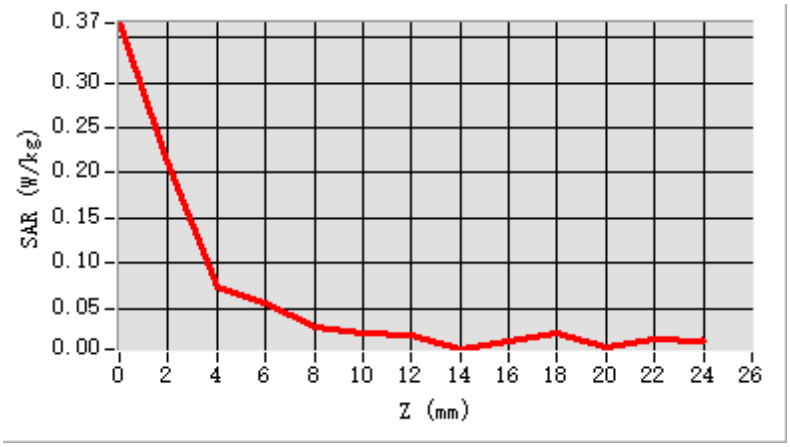
Maximum location: X=5.00, Y=24.00 ; SAR Peak: 0.63 W/kg

D. SAR 1g & 10g

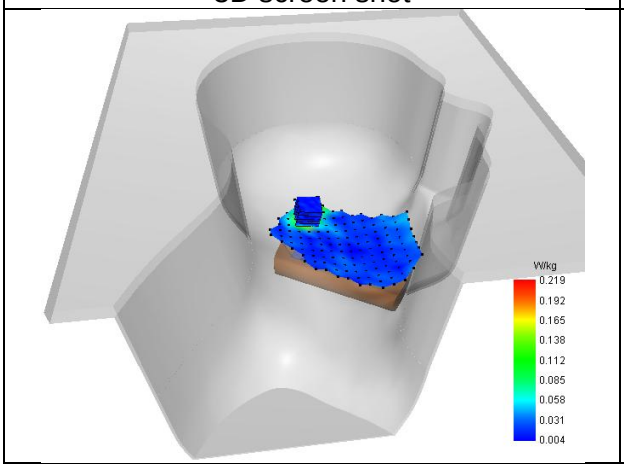
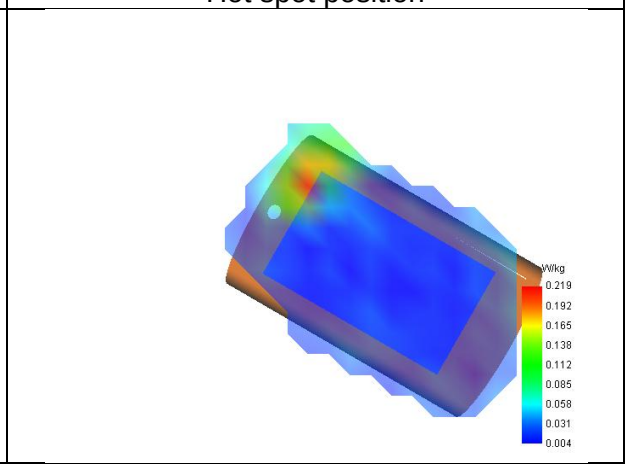
SAR 10g (W/Kg)	0.062
SAR 1g (W/Kg)	0.197
Variation (%)	-0.77
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	53.58

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.366	0.211	0.074	0.055	0.029	0.022	0.021	0.005	0.014	0.022	0.007	0.015



F. 3D Image

3D screen shot	Hot spot position
	

21# SAR Measurement at U-NII-1 (Cheek, Left)
Date of measurement: 14/3/2025

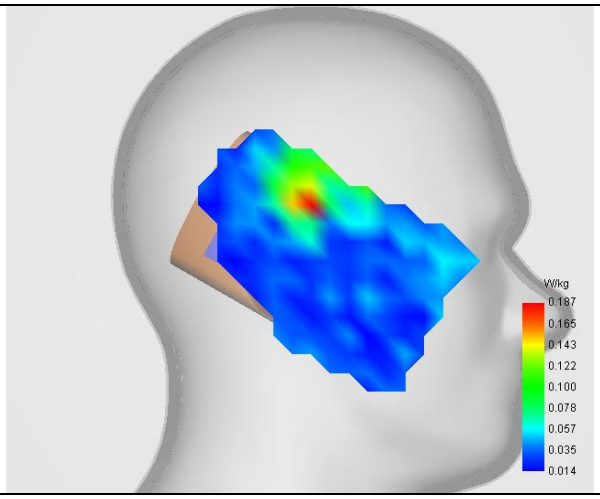
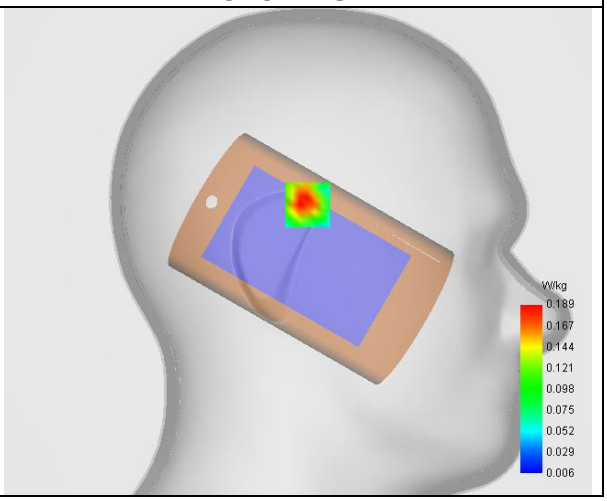
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.88
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 a
Channels/Frequency	Middle (120)/ frequency 5600.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5600.00
Relative permitivity (real part)	34.37
Relative permitivity (imaginary part)	15.84
Conductivity (S/m)	4.93

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

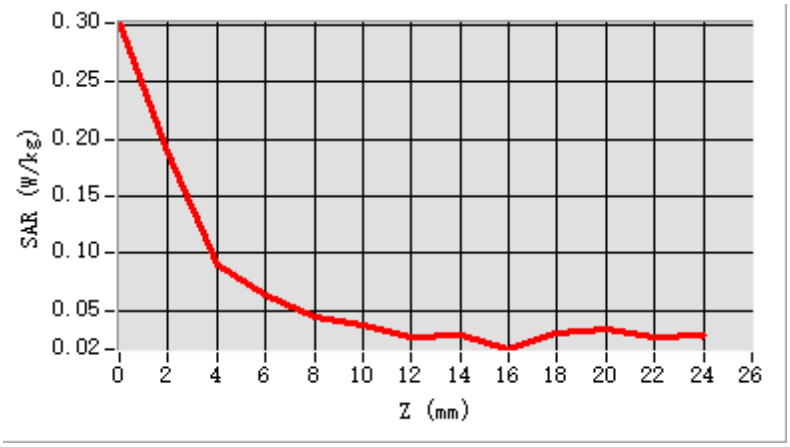
Maximum location: X=-5.00, Y=25.00 ; SAR Peak: 0.57 W/kg

D. SAR 1g & 10g

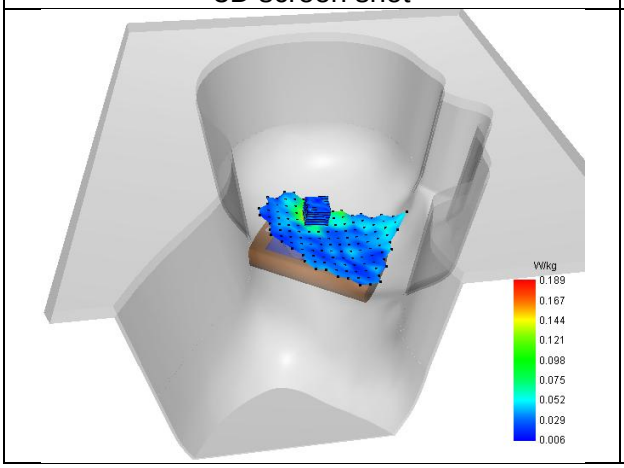
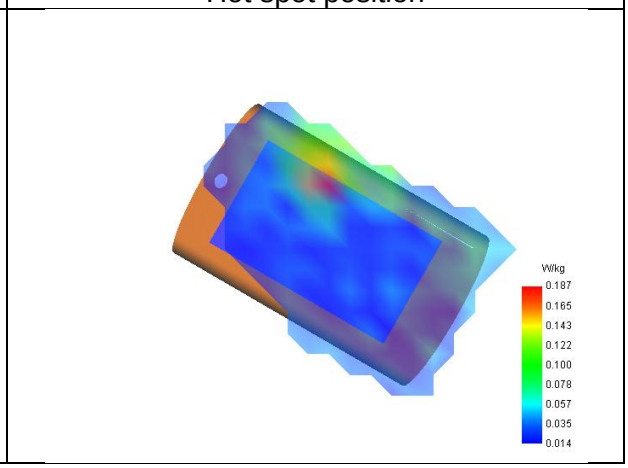
SAR 10g (W/Kg)	0.072
SAR 1g (W/Kg)	0.171
Variation (%)	-0.03
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	59.58

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.302	0.189	0.089	0.063	0.044	0.036	0.027	0.027	0.016	0.030	0.034	0.026



F. 3D Image

3D screen shot	Hot spot position
	

22# SAR Measurement at U-NII-1 (Cheek, Left)
Date of measurement: 14/3/2025

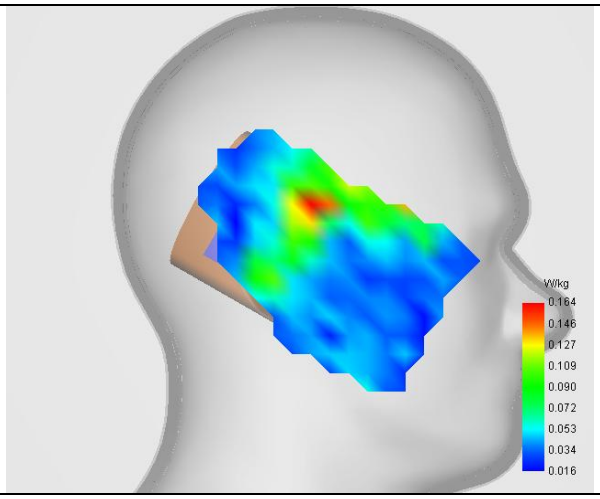
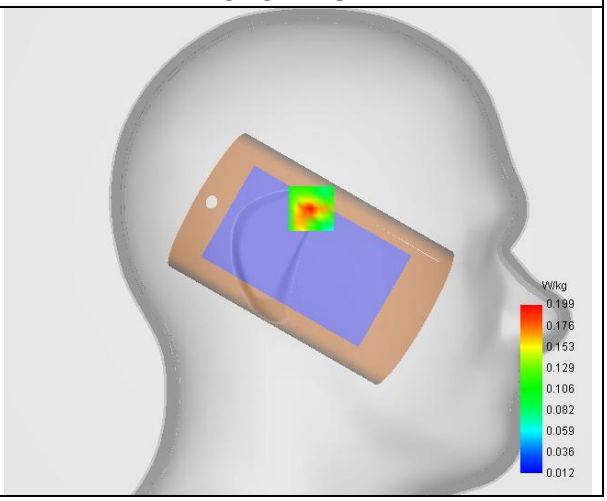
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.88
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 a
Channels/Frequency	Middle (120)/ frequency 5600.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5600.00
Relative permitivity (real part)	34.37
Relative permitivity (imaginary part)	15.84
Conductivity (S/m)	4.93

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

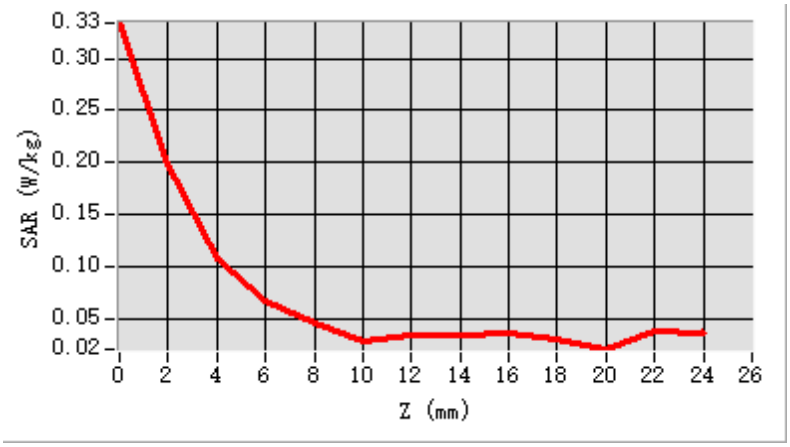
Maximum location: X=-7.00, Y=23.00 ; SAR Peak: 0.54 W/kg

D. SAR 1g & 10g

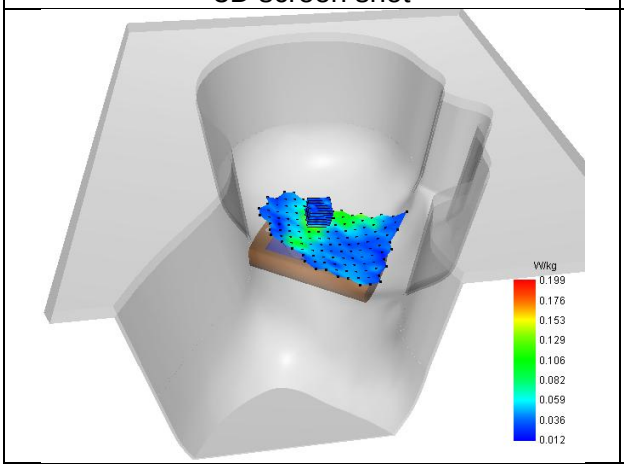
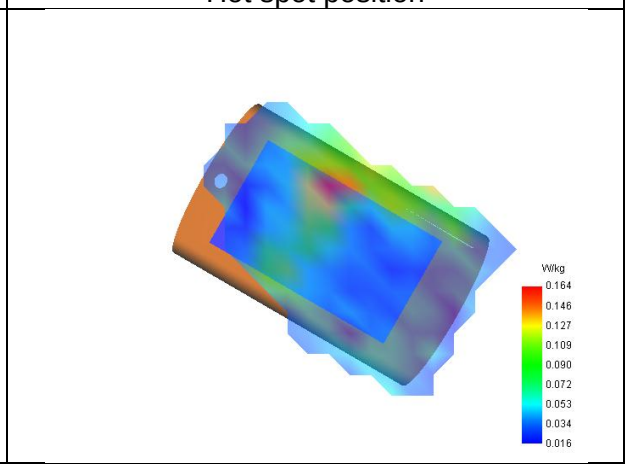
SAR 10g (W/Kg)	0.059
SAR 1g (W/Kg)	0.163
Variation (%)	0.79
Horizontal validation criteria: minimum distance (mm)	8.94
Vertical validation criteria: SAR ratio M2/M1 (%)	56.11

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.334	0.199	0.108	0.067	0.047	0.029	0.035	0.035	0.036	0.031	0.021	0.039



F. 3D Image

3D screen shot	Hot spot position
	

23# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 15/3/2025

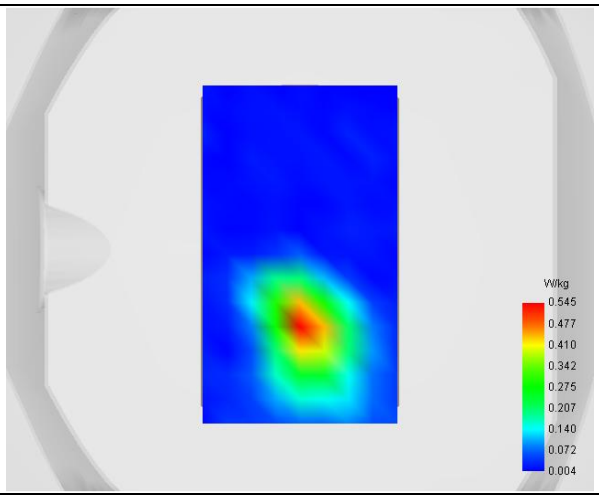
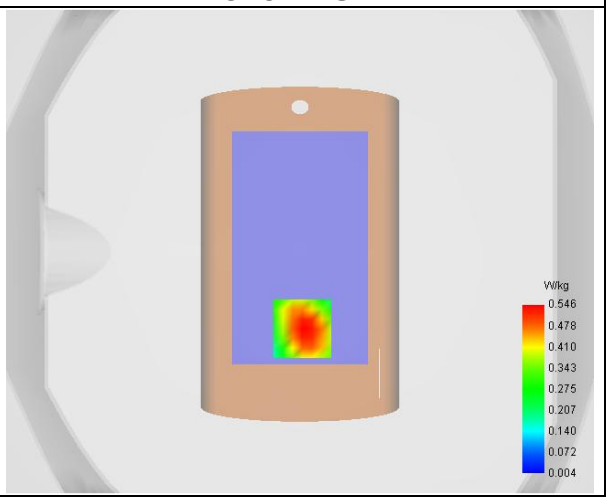
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.90
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 a
Channels/Frequency	Middle (157)/ frequency 5785.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5785.00
Relative permitivity (real part)	36.24
Relative permitivity (imaginary part)	15.80
Conductivity (S/m)	5.08

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

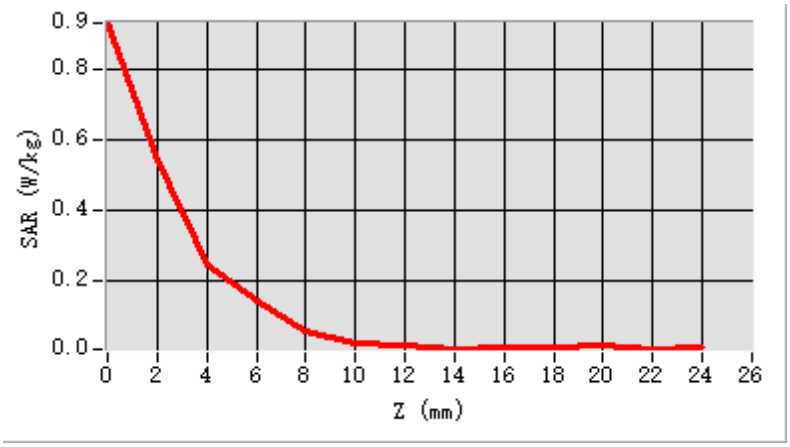
Maximum location: X=1.00, Y=-32.00 ; SAR Peak: 1.07 W/kg

D. SAR 1g & 10g

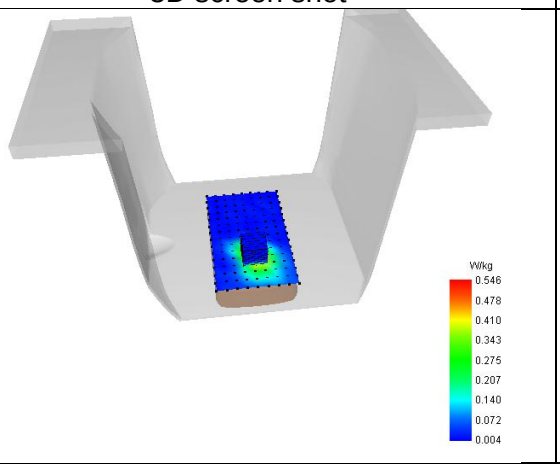
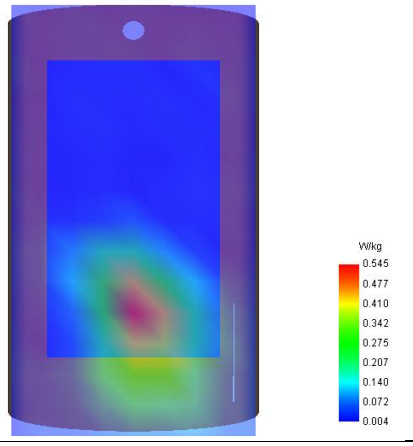
SAR 10g (W/Kg)	0.131
SAR 1g (W/Kg)	0.329
Variation (%)	0.31
Horizontal validation criteria: minimum distance (mm)	12.00
Vertical validation criteria: SAR ratio M2/M1 (%)	46.94

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.934	0.546	0.246	0.140	0.055	0.023	0.016	0.004	0.010	0.009	0.017	0.005



F. 3D Image

3D screen shot	Hot spot position
	

24# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 15/3/2025

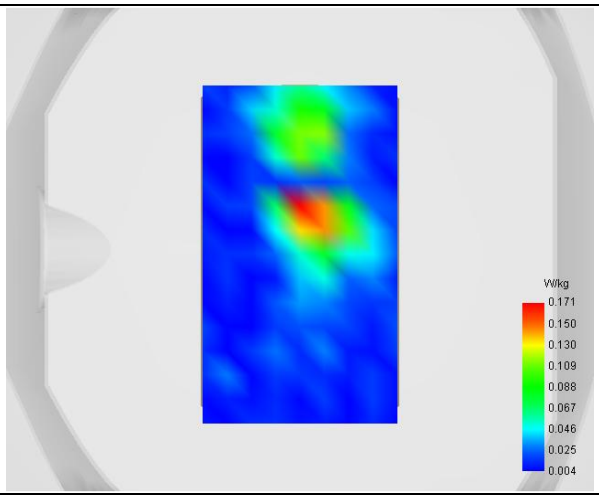
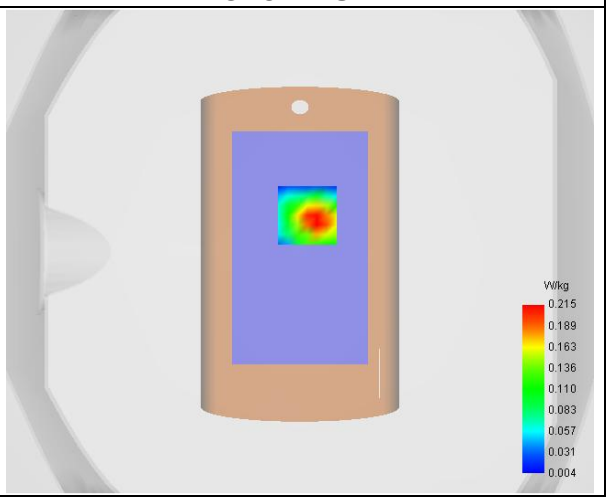
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.90
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 a
Channels/Frequency	Middle (157)/ frequency 5785.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5785.00
Relative permitivity (real part)	36.24
Relative permitivity (imaginary part)	15.80
Conductivity (S/m)	5.08

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

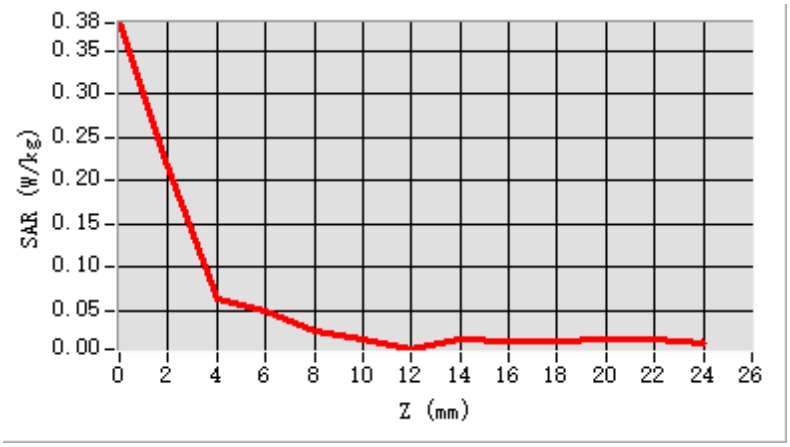
Maximum location: X=3.00, Y=15.00 ; SAR Peak: 0.43 W/kg

D. SAR 1g & 10g

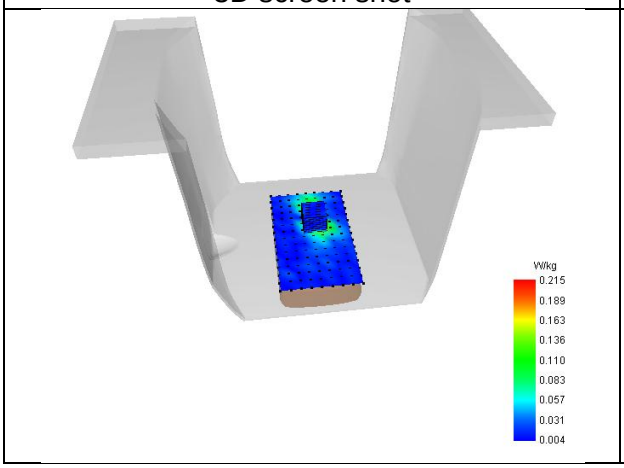
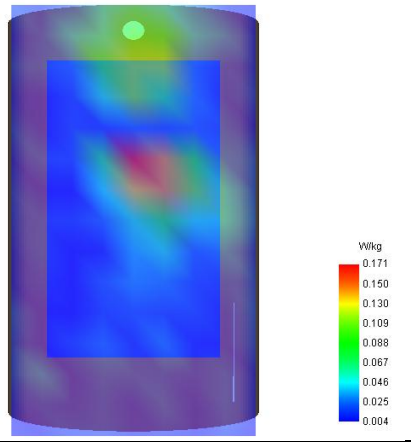
SAR 10g (W/Kg)	0.045
SAR 1g (W/Kg)	0.117
Variation (%)	-1.02
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	45.33

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.382	0.215	0.064	0.049	0.026	0.017	0.005	0.017	0.014	0.014	0.015	0.016



F. 3D Image

3D screen shot	Hot spot position
	

25# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 12/3/2025

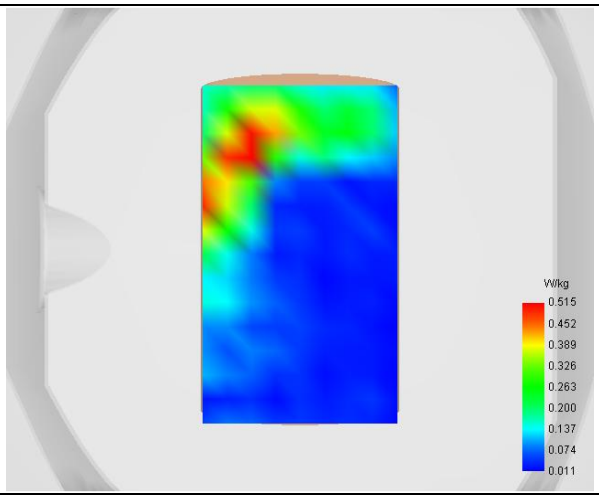
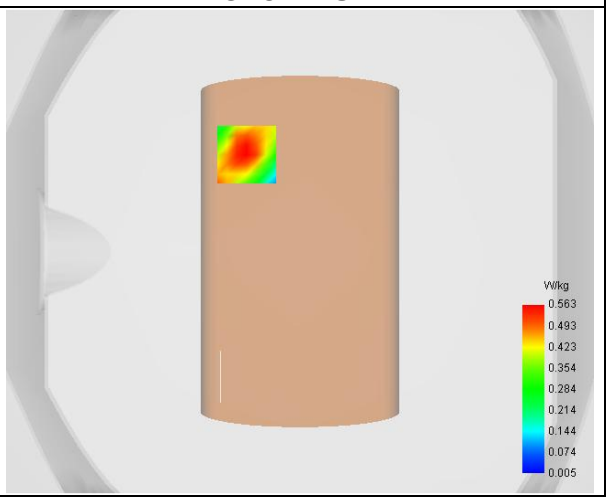
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.89
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 a
Channels/Frequency	Middle (40)/ frequency 5200.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5200.00
Relative permitivity (real part)	37.23
Relative permitivity (imaginary part)	15.86
Conductivity (S/m)	4.58

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

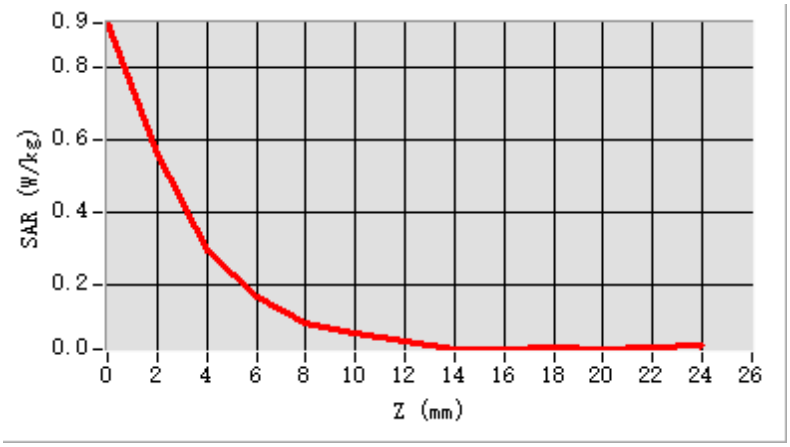
Maximum location: X=-22.00, Y=40.00 ; SAR Peak: 1.03 W/kg

D. SAR 1g & 10g

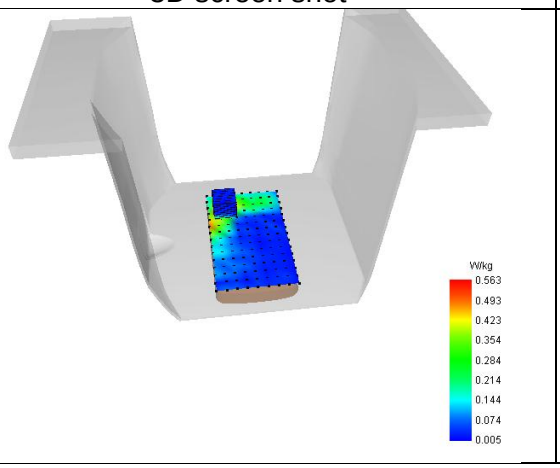
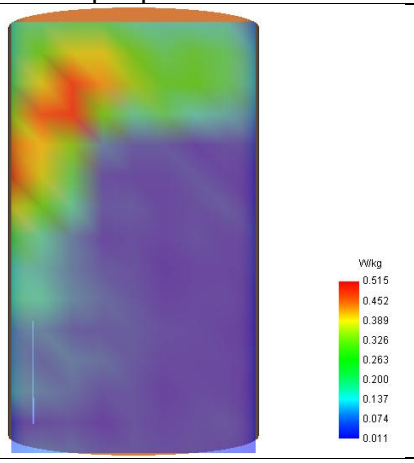
SAR 10g (W/Kg)	0.142
SAR 1g (W/Kg)	0.346
Variation (%)	1.08
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	56.06

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.923	0.563	0.293	0.168	0.097	0.068	0.044	0.022	0.022	0.029	0.023	0.027



F. 3D Image

3D screen shot	Hot spot position
	

26# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 13/3/2025

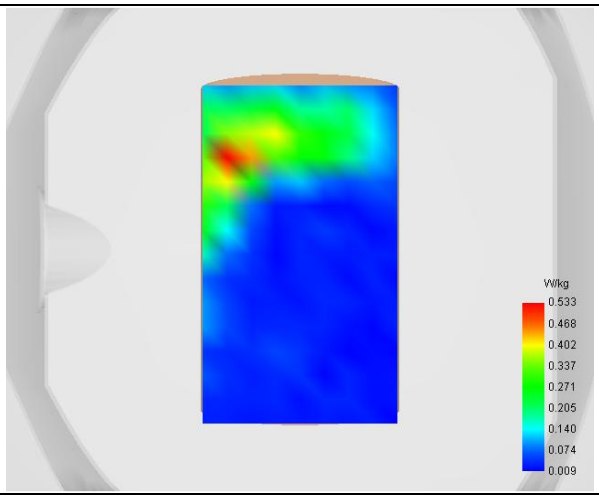
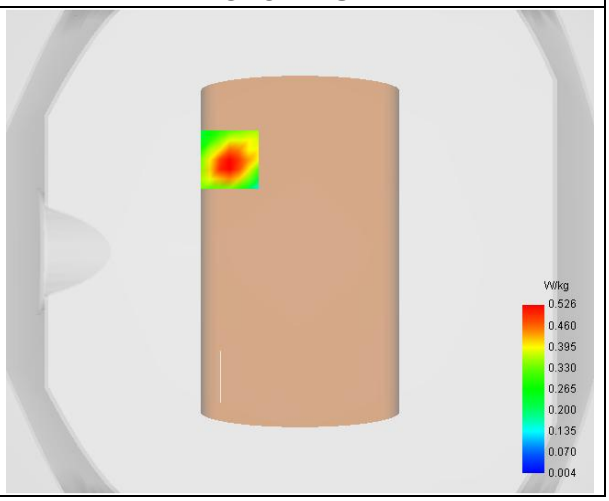
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.89
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 a
Channels/Frequency	Middle (56)/ frequency 5280.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5280.00
Relative permitivity (real part)	34.65
Relative permitivity (imaginary part)	15.74
Conductivity (S/m)	4.62

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

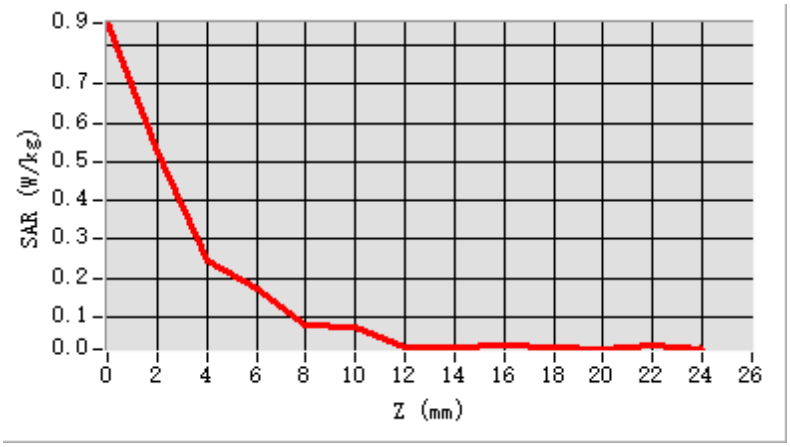
Maximum location: X=-29.00, Y=38.00 ; SAR Peak: 0.97 W/kg

D. SAR 1g & 10g

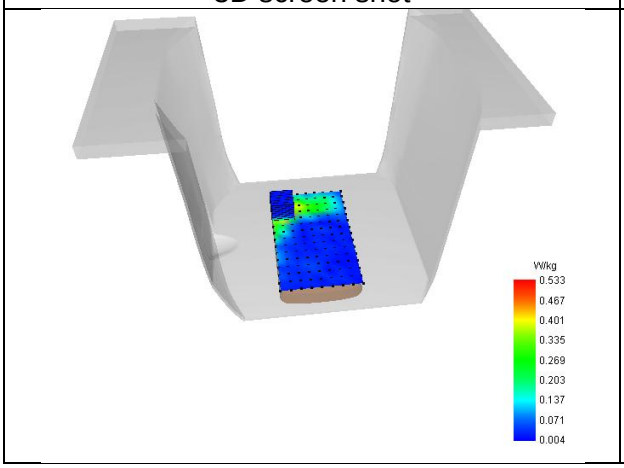
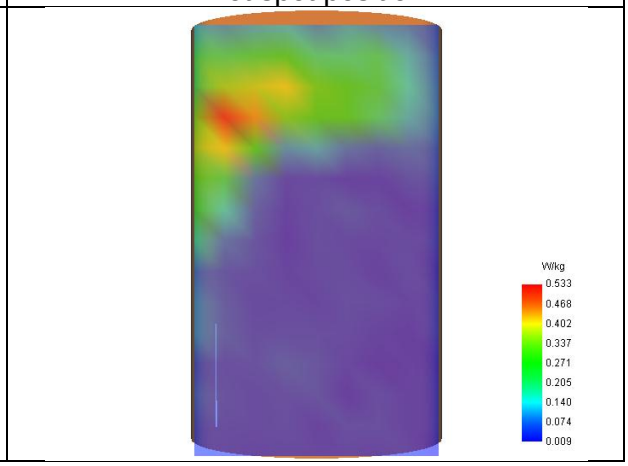
SAR 10g (W/Kg)	0.132
SAR 1g (W/Kg)	0.324
Variation (%)	-4.36
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	55.52

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.857	0.526	0.245	0.171	0.079	0.072	0.024	0.025	0.027	0.023	0.018	0.027



F. 3D Image

3D screen shot	Hot spot position
	

27# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 14/3/2025

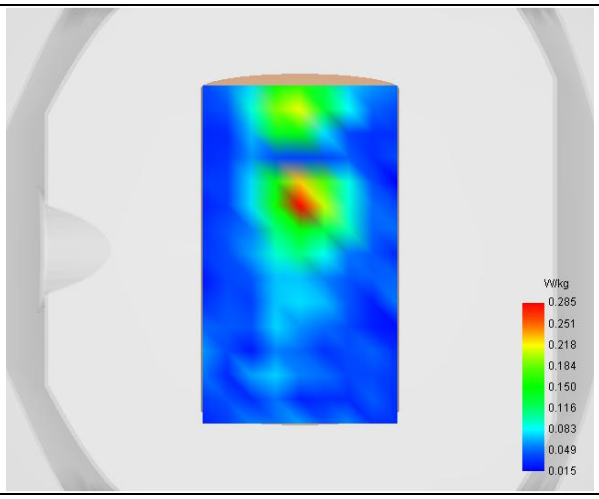
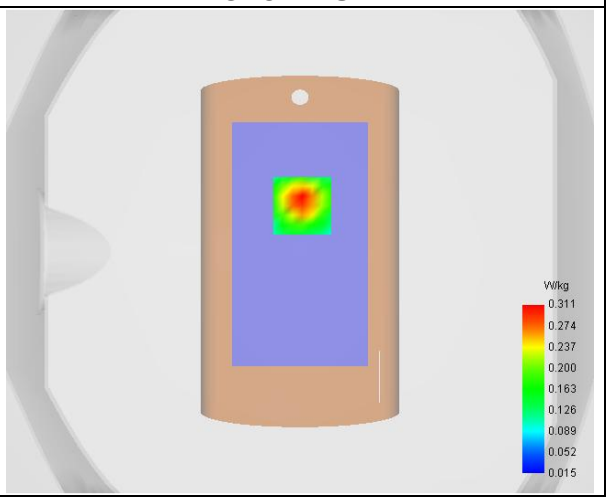
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.88
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 a
Channels/Frequency	Middle (120)/ frequency 5600.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5600.00
Relative permitivity (real part)	34.37
Relative permitivity (imaginary part)	15.84
Conductivity (S/m)	4.93

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

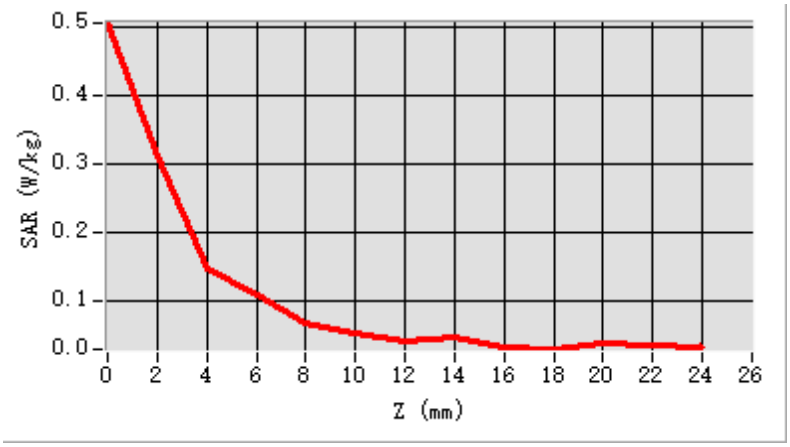
Maximum location: X=1.00, Y=19.00 ; SAR Peak: 0.54 W/kg

D. SAR 1g & 10g

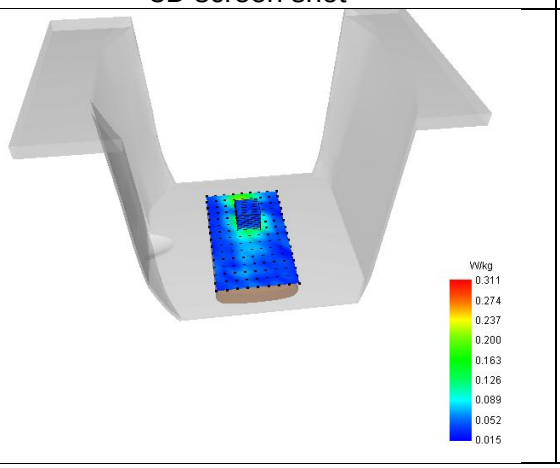
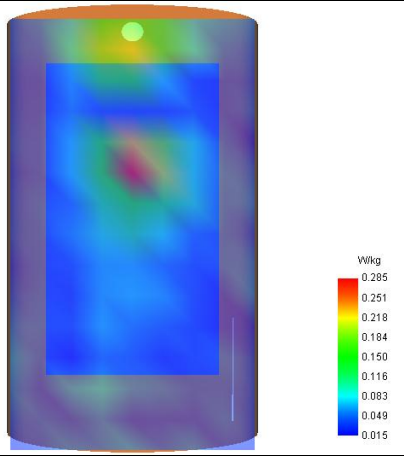
SAR 10g (W/Kg)	0.084
SAR 1g (W/Kg)	0.193
Variation (%)	3.66
Horizontal validation criteria: minimum distance (mm)	8.94
Vertical validation criteria: SAR ratio M2/M1 (%)	55.14

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.506	0.311	0.146	0.107	0.066	0.052	0.041	0.047	0.030	0.028	0.038	0.036



F. 3D Image

3D screen shot	Hot spot position
	

28# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 13/3/2025

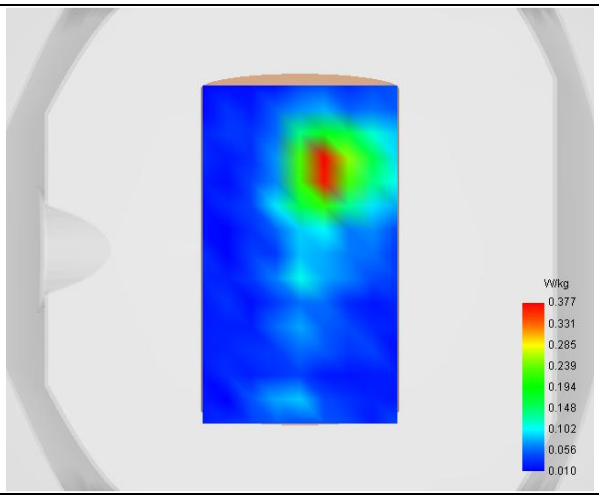
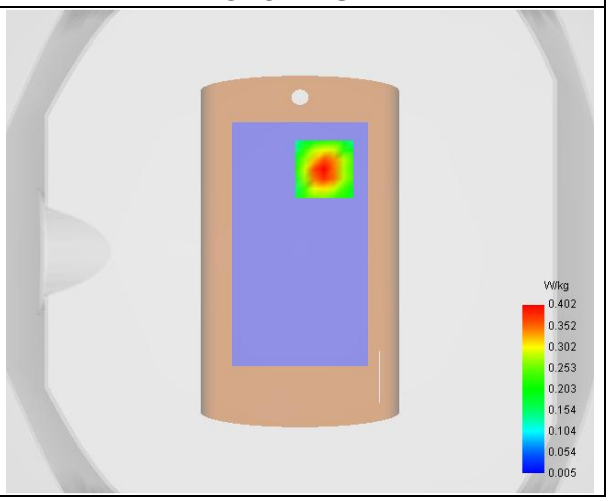
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.89
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 a
Channels/Frequency	Middle (56)/ frequency 5280.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5280.00
Relative permitivity (real part)	34.65
Relative permitivity (imaginary part)	15.74
Conductivity (S/m)	4.62

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

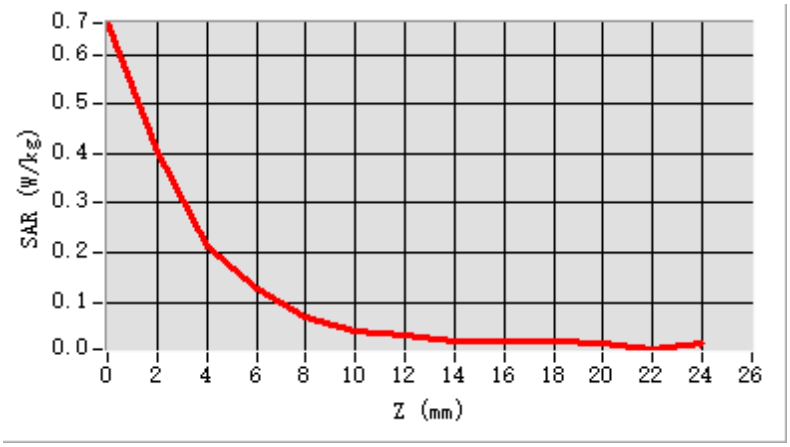
Maximum location: X=10.00, Y=34.00 ; SAR Peak: 0.76 W/kg

D. SAR 1g & 10g

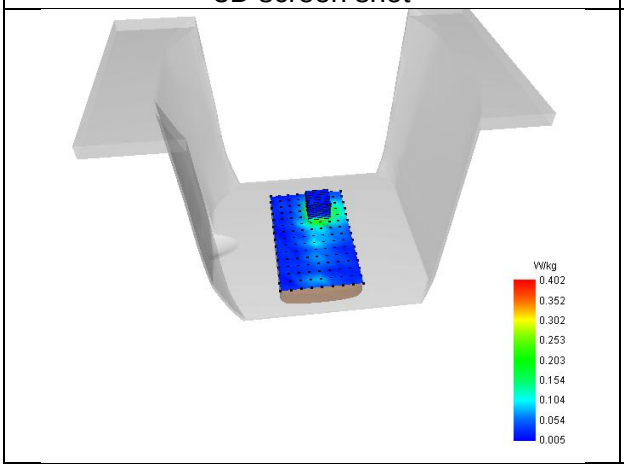
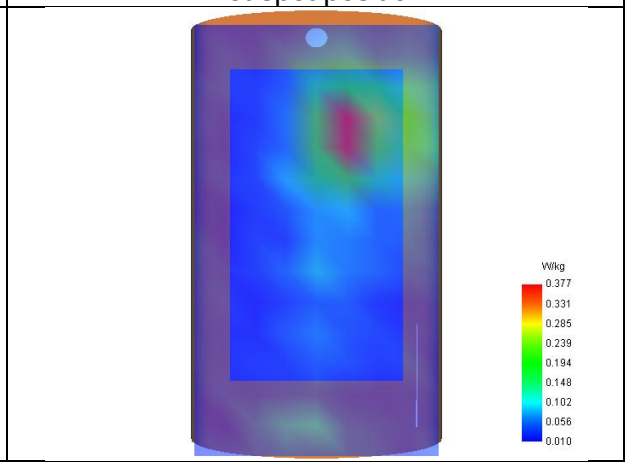
SAR 10g (W/Kg)	0.098
SAR 1g (W/Kg)	0.242
Variation (%)	-3.82
Horizontal validation criteria: minimum distance (mm)	12.65
Vertical validation criteria: SAR ratio M2/M1 (%)	52.52

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.663	0.402	0.211	0.126	0.071	0.040	0.034	0.021	0.022	0.023	0.018	0.005



F. 3D Image

3D screen shot	Hot spot position
	

29# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 12/3/2025

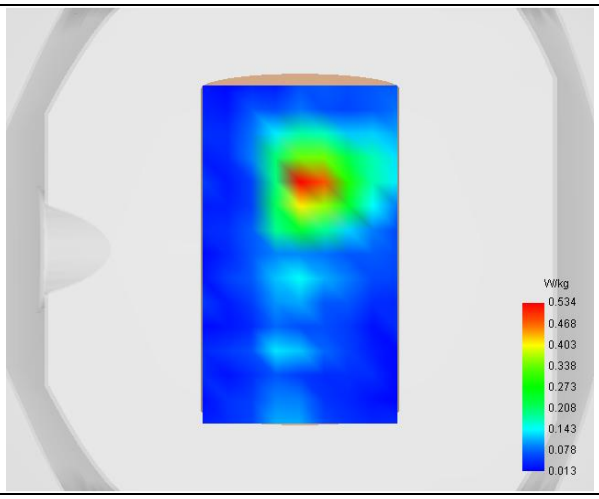
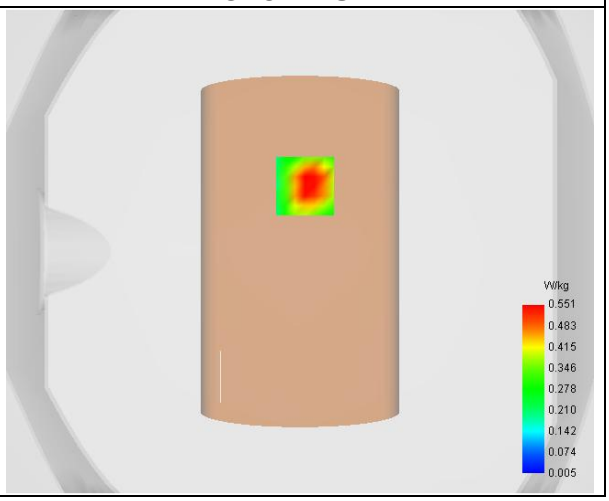
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.89
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 a
Channels/Frequency	Middle (40)/ frequency 5200.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5200.00
Relative permitivity (real part)	37.23
Relative permitivity (imaginary part)	15.86
Conductivity (S/m)	4.58

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

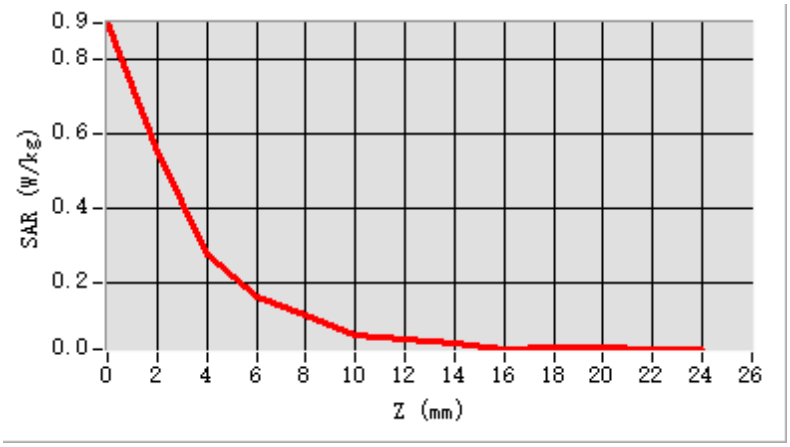
Maximum location: X=2.00, Y=27.00 ; SAR Peak: 1.05 W/kg

D. SAR 1g & 10g

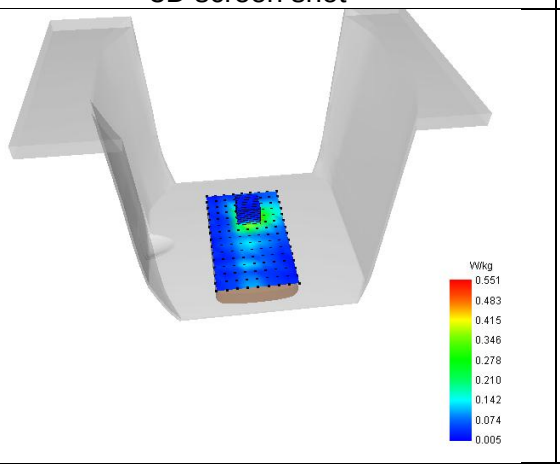
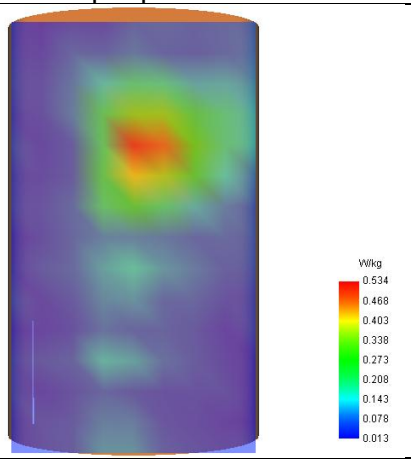
SAR 10g (W/Kg)	0.138
SAR 1g (W/Kg)	0.345
Variation (%)	3.44
Horizontal validation criteria: minimum distance (mm)	12.00
Vertical validation criteria: SAR ratio M2/M1 (%)	56.54

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.900	0.551	0.275	0.164	0.115	0.058	0.049	0.034	0.022	0.026	0.027	0.020



F. 3D Image

3D screen shot	Hot spot position
	

30# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 13/3/2025

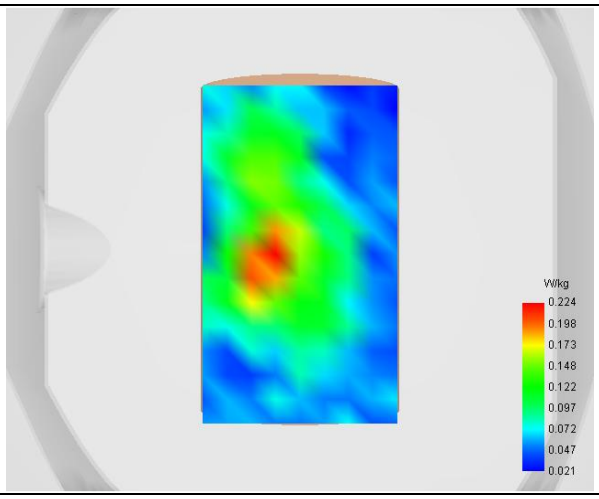
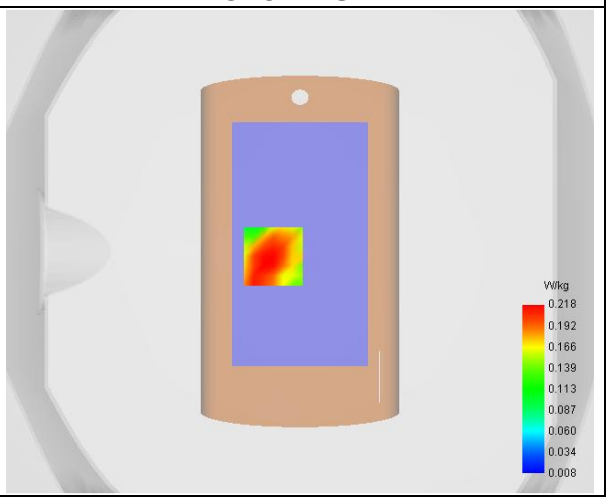
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.89
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 a
Channels/Frequency	Middle (56)/ frequency 5280.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5280.00
Relative permitivity (real part)	34.65
Relative permitivity (imaginary part)	15.74
Conductivity (S/m)	4.62

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

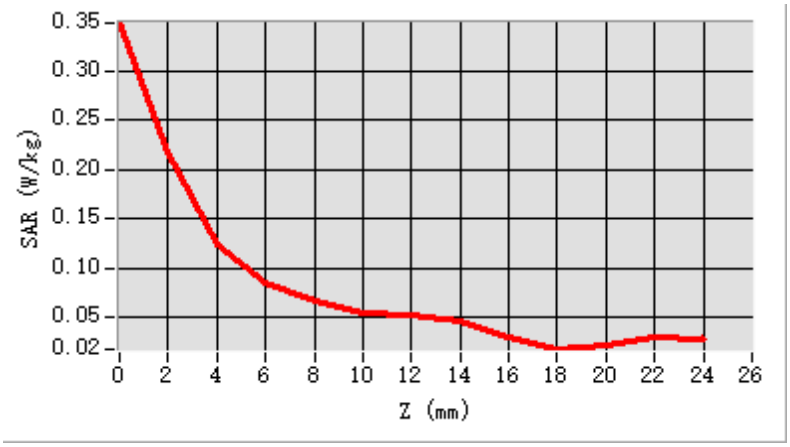
Maximum location: X=-11.00, Y=-2.00 ; SAR Peak: 0.42 W/kg

D. SAR 1g & 10g

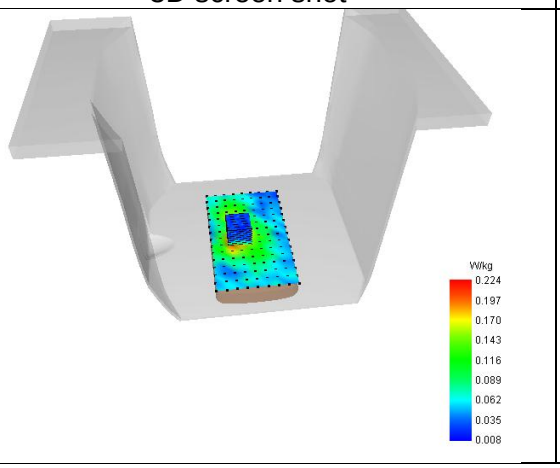
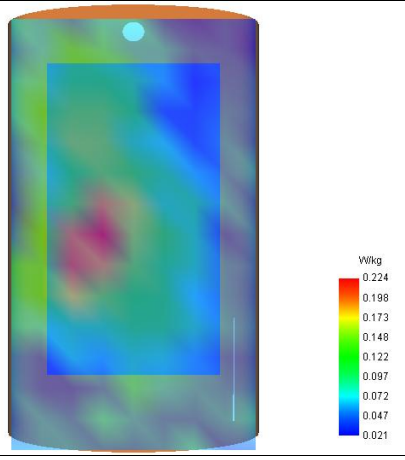
SAR 10g (W/Kg)	0.058
SAR 1g (W/Kg)	0.144
Variation (%)	1.17
Horizontal validation criteria: minimum distance (mm)	16.49
Vertical validation criteria: SAR ratio M2/M1 (%)	65.92

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.349	0.218	0.124	0.085	0.067	0.053	0.052	0.046	0.030	0.017	0.021	0.029



F. 3D Image

3D screen shot	Hot spot position
	

31# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 14/3/2025

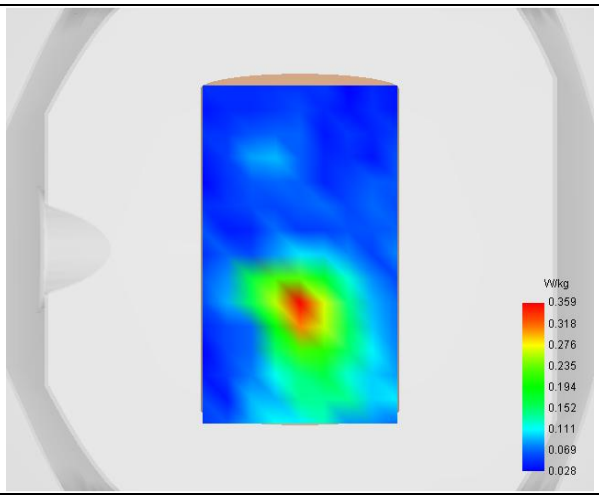
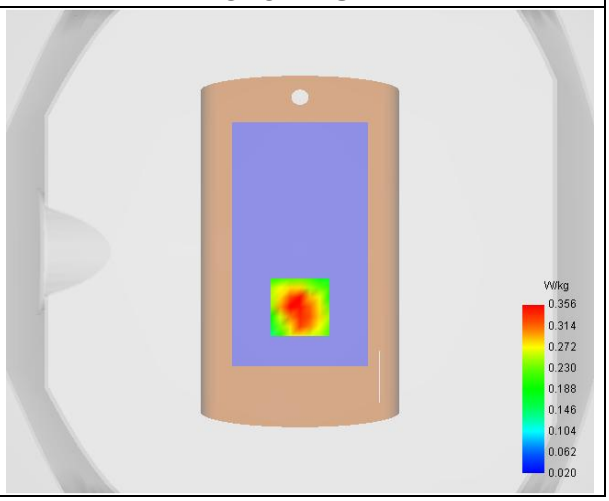
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.88
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 a
Channels/Frequency	Middle (120)/ frequency 5600.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5600.00
Relative permitivity (real part)	34.37
Relative permitivity (imaginary part)	15.84
Conductivity (S/m)	4.93

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

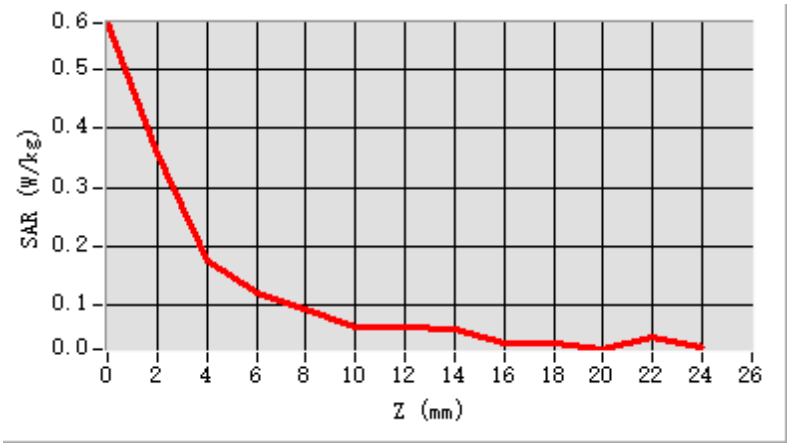
Maximum location: X=0.00, Y=-23.00 ; SAR Peak: 0.70 W/kg

D. SAR 1g & 10g

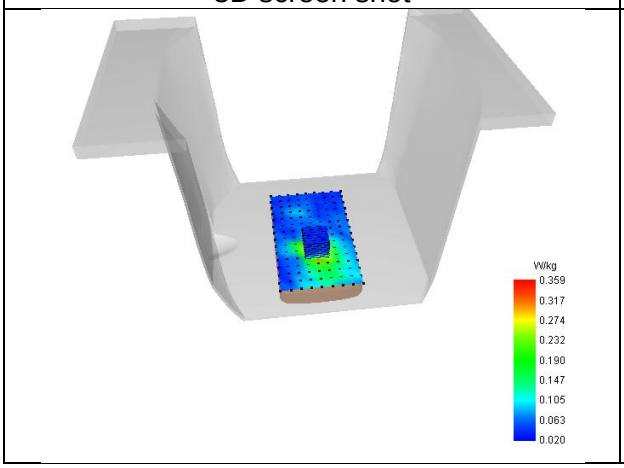
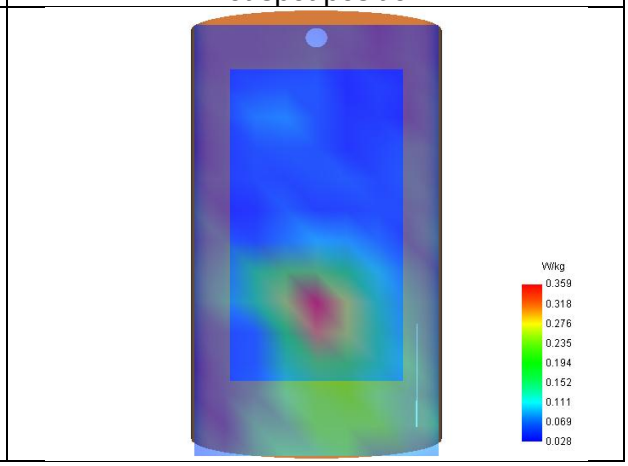
SAR 10g (W/Kg)	0.100
SAR 1g (W/Kg)	0.227
Variation (%)	0.91
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	54.48

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.578	0.356	0.175	0.121	0.095	0.064	0.062	0.060	0.037	0.035	0.026	0.048



F. 3D Image

3D screen shot	Hot spot position
	

32# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 14/3/2025

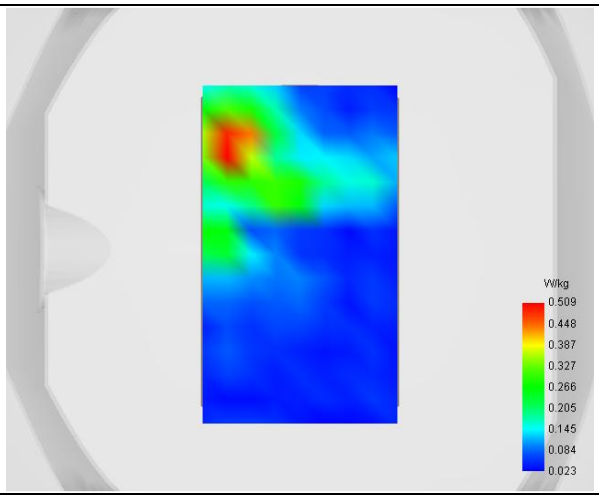
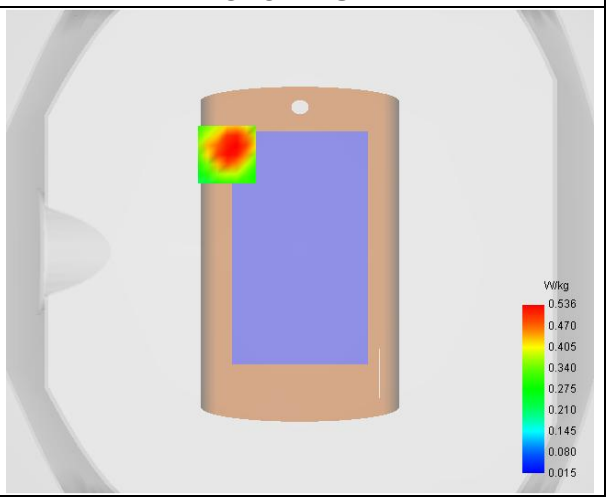
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.88
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 a
Channels/Frequency	Middle (120)/ frequency 5600.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5600.00
Relative permitivity (real part)	34.37
Relative permitivity (imaginary part)	15.84
Conductivity (S/m)	4.93

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

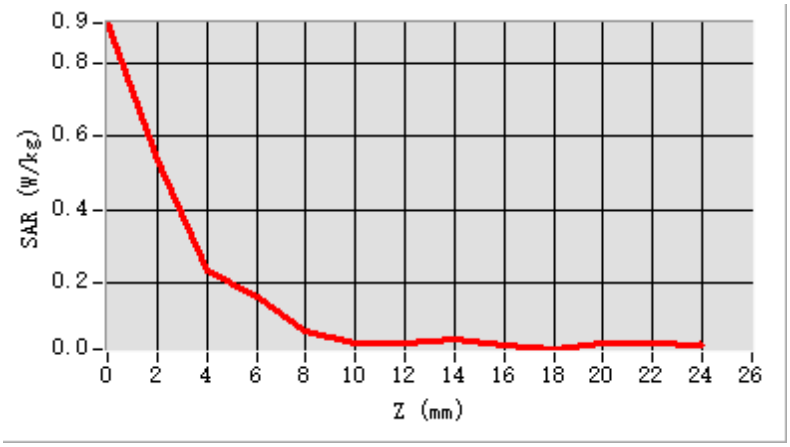
Maximum location: X=-30.00, Y=40.00 ; SAR Peak: 0.98 W/kg

D. SAR 1g & 10g

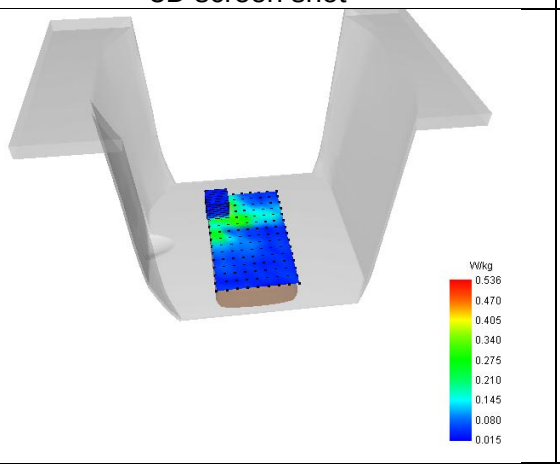
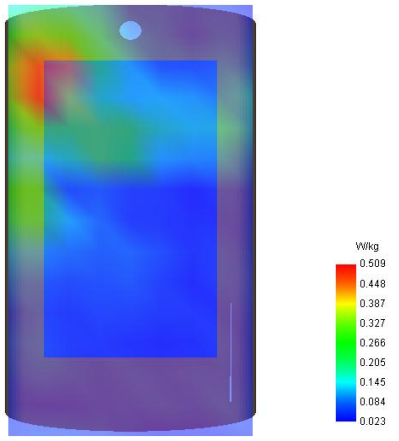
SAR 10g (W/Kg)	0.124
SAR 1g (W/Kg)	0.325
Variation (%)	1.62
Horizontal validation criteria: minimum distance (mm)	20.00
Vertical validation criteria: SAR ratio M2/M1 (%)	51.97

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.910	0.536	0.235	0.165	0.070	0.040	0.039	0.050	0.034	0.021	0.039	0.035



F. 3D Image

3D screen shot	Hot spot position
	

33# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 12/3/2025

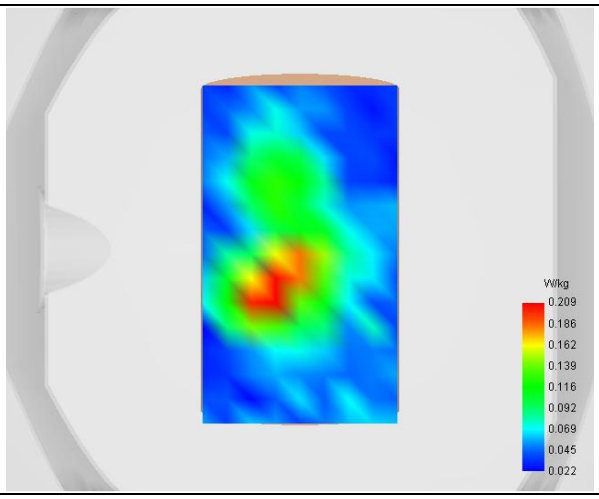
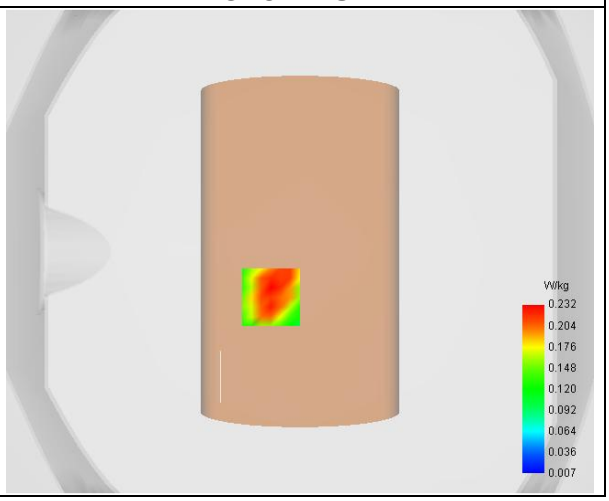
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.89
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 a
Channels/Frequency	Middle (40)/ frequency 5200.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5200.00
Relative permitivity (real part)	37.23
Relative permitivity (imaginary part)	15.86
Conductivity (S/m)	4.58

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

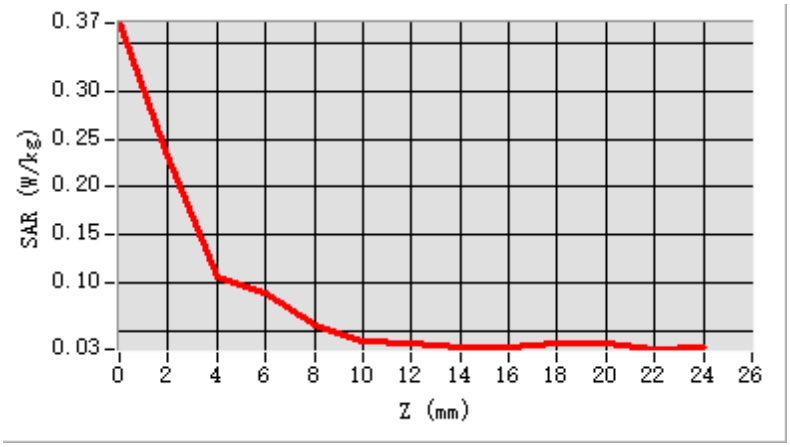
Maximum location: X=-12.00, Y=-19.00 ; SAR Peak: 0.47 W/kg

D. SAR 1g & 10g

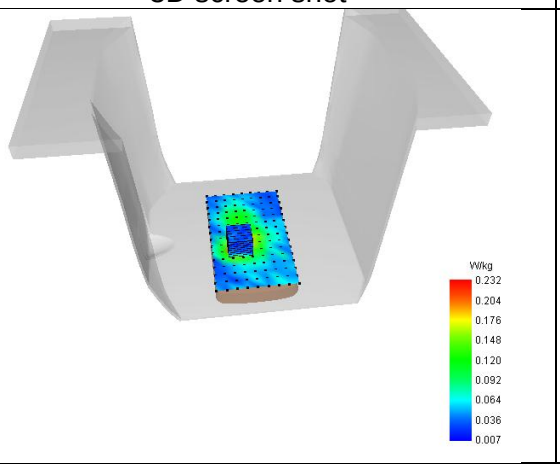
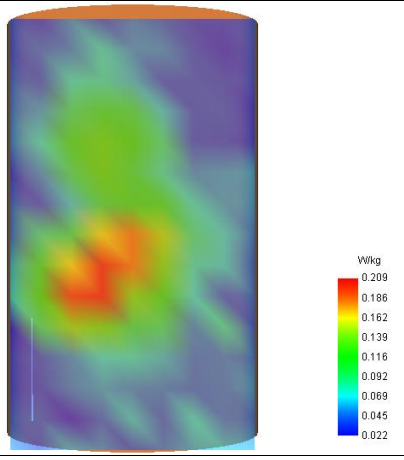
SAR 10g (W/Kg)	0.064
SAR 1g (W/Kg)	0.149
Variation (%)	-2.21
Horizontal validation criteria: minimum distance (mm)	14.42
Vertical validation criteria: SAR ratio M2/M1 (%)	59.20

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.371	0.232	0.107	0.089	0.056	0.040	0.038	0.033	0.033	0.037	0.036	0.030



F. 3D Image

3D screen shot	Hot spot position
	

34# SAR Measurement at U-NII-1 (Body, Validation Plane)
Date of measurement: 15/3/2025

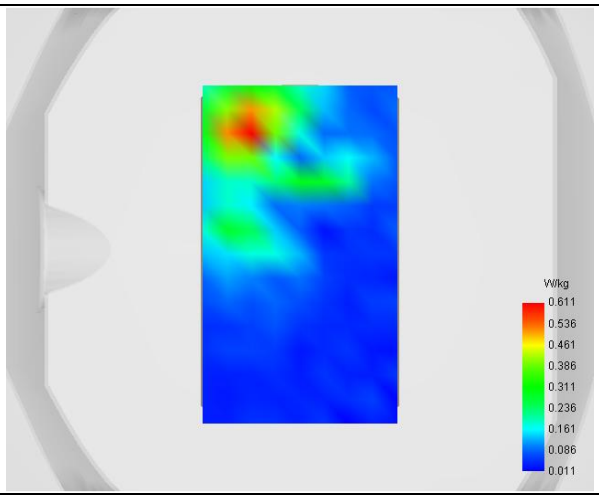
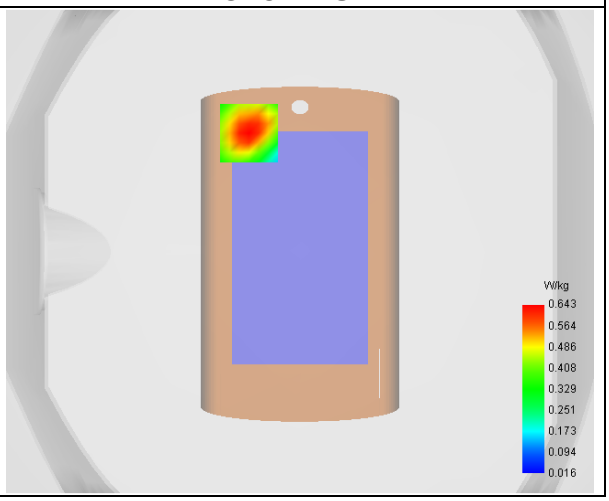
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	1.90
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 a
Channels/Frequency	Middle (157)/ frequency 5785.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	5785.00
Relative permitivity (real part)	36.24
Relative permitivity (imaginary part)	15.80
Conductivity (S/m)	5.08

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

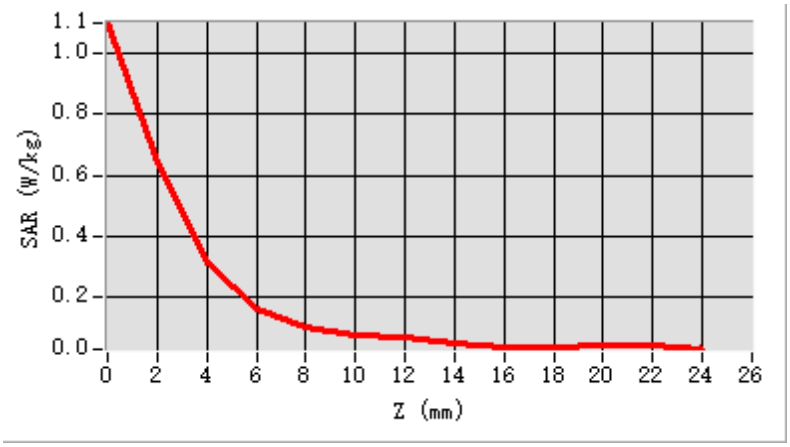
Maximum location: X=-21.00, Y=49.00 ; SAR Peak: 1.22 W/kg

D. SAR 1g & 10g

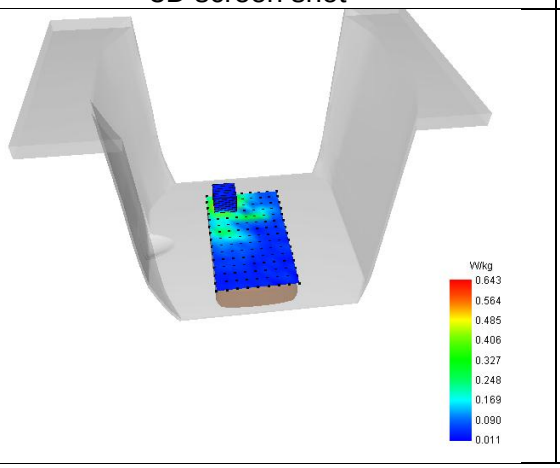
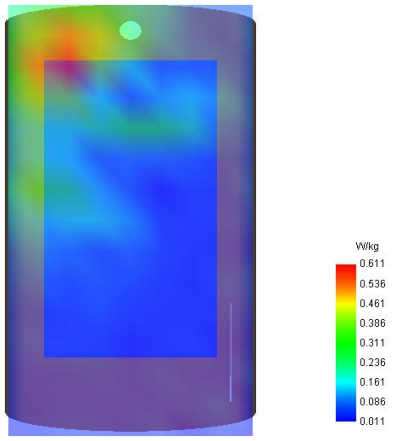
SAR 10g (W/Kg)	0.166
SAR 1g (W/Kg)	0.393
Variation (%)	1.98
Horizontal validation criteria: minimum distance (mm)	11.31
Vertical validation criteria: SAR ratio M2/M1 (%)	48.52

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	1.102	0.643	0.312	0.160	0.101	0.073	0.067	0.046	0.034	0.030	0.038	0.037



F. 3D Image

3D screen shot	Hot spot position
	

35# SAR Measurement at ISM (Body, Left)
Date of measurement: 28/3/2025

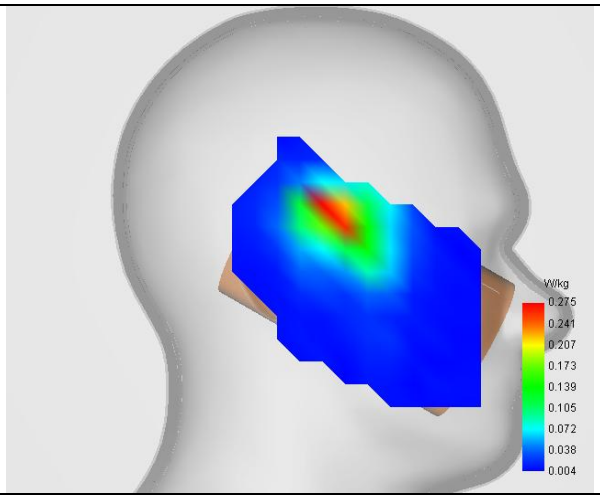
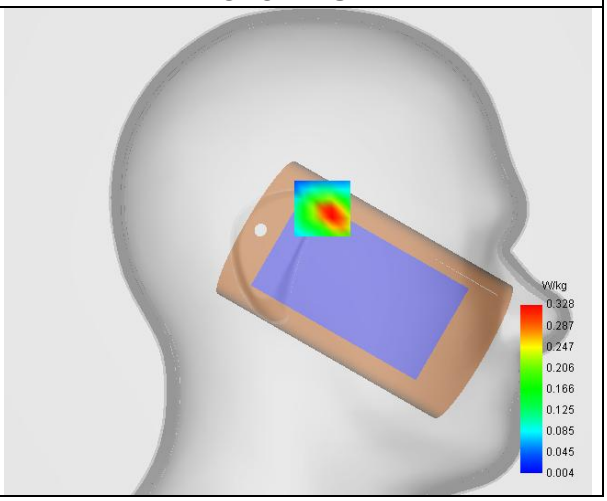
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.74
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Left head
Device Position	Body
Band	ISM
Signal	IEEE 802.11 b
Channels/Frequency	Middle (6)/ frequency 2437.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	2437.00
Relative permitivity (real part)	40.79
Relative permitivity (imaginary part)	12.89
Conductivity (S/m)	1.74

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

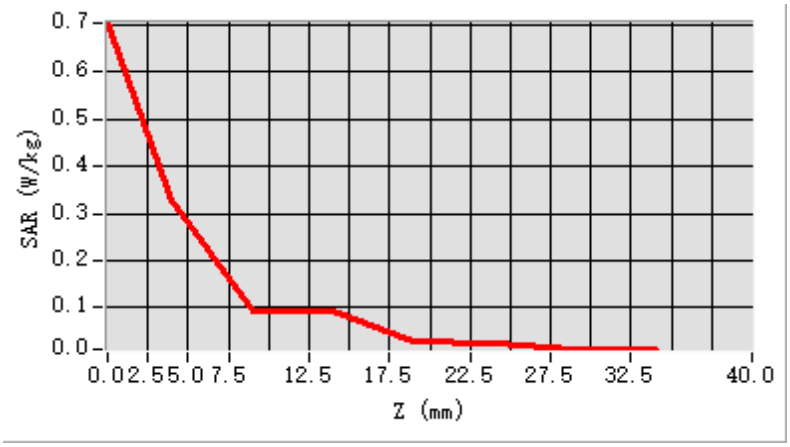
Maximum location: X=-13.00, Y=23.00 ; SAR Peak: 0.55 W/kg

D. SAR 1g & 10g

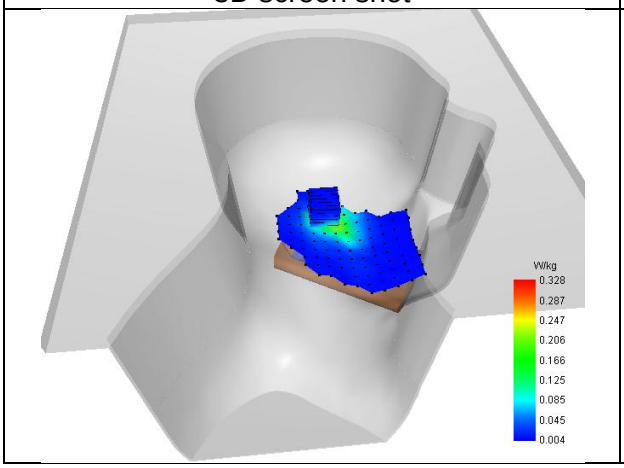
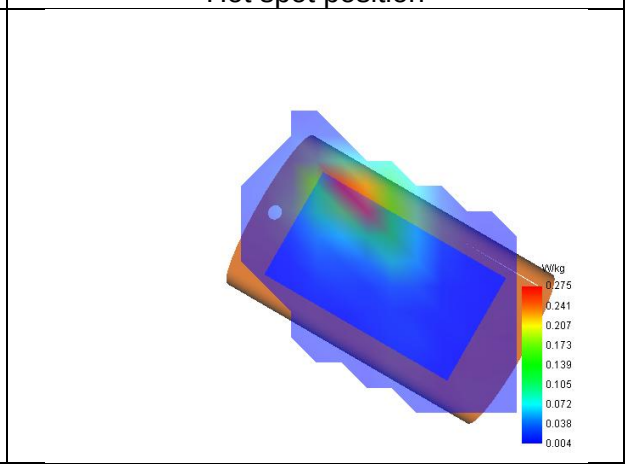
SAR 10g (W/Kg)	0.132
SAR 1g (W/Kg)	0.296
Variation (%)	-1.16
Horizontal validation criteria: minimum distance (mm)	11.18
Vertical validation criteria: SAR ratio M2/M1 (%)	52.49

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.704	0.328	0.092	0.090	0.028	0.022	0.011



F. 3D Image

3D screen shot	Hot spot position
	

36# SAR Measurement at ISM (Body, Left)
Date of measurement: 28/3/2025

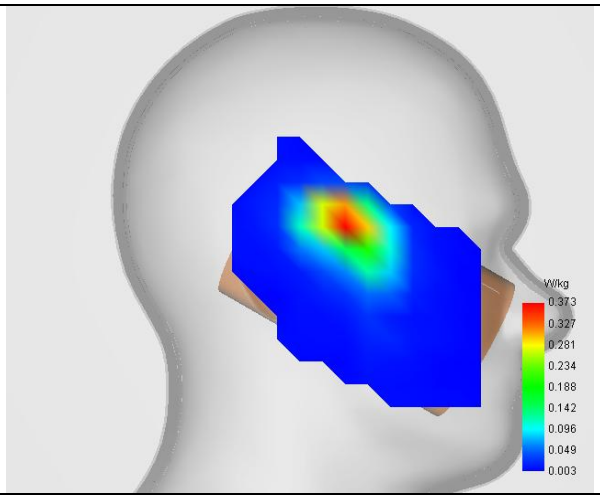
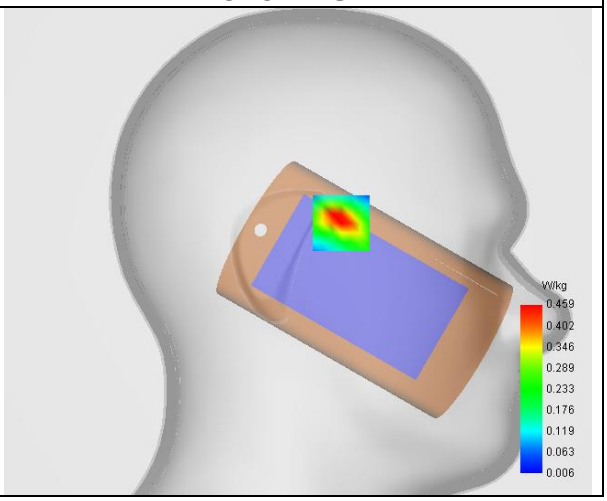
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.74
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Left head
Device Position	Body
Band	ISM
Signal	IEEE 802.11 b
Channels/Frequency	Middle (6)/ frequency 2437.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	2437.00
Relative permitivity (real part)	40.79
Relative permitivity (imaginary part)	12.89
Conductivity (S/m)	1.74

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

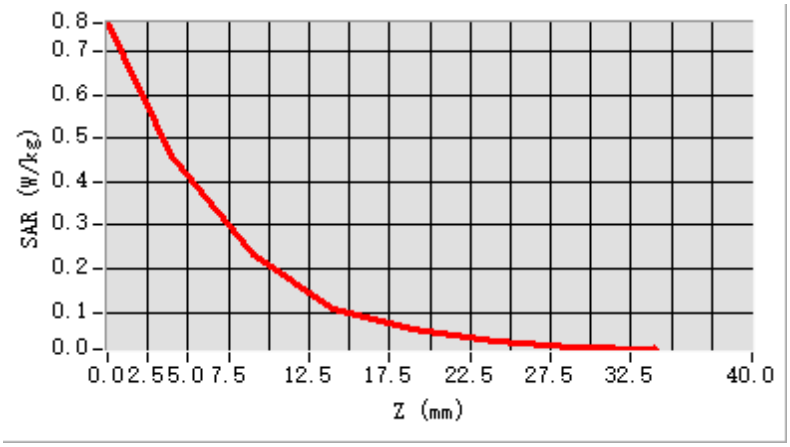
Maximum location: X=-23.00, Y=15.00 ; SAR Peak: 0.81 W/kg

D. SAR 1g & 10g

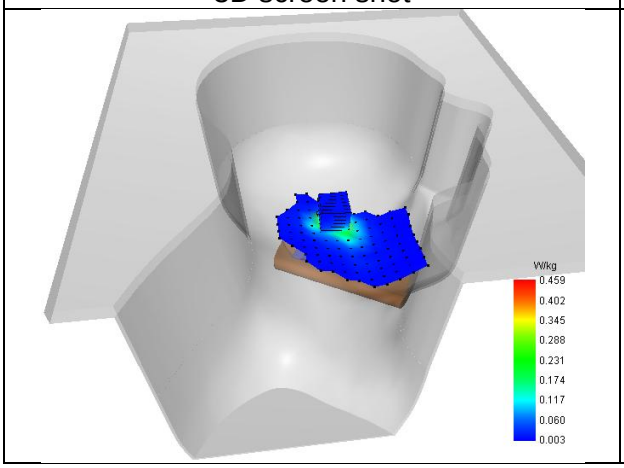
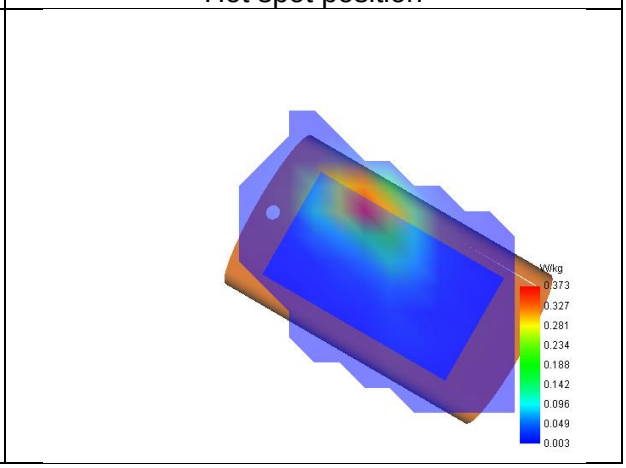
SAR 10g (W/Kg)	0.186
SAR 1g (W/Kg)	0.419
Variation (%)	2.97
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	50.84

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.765	0.459	0.233	0.107	0.060	0.033	0.017



F. 3D Image

3D screen shot	Hot spot position
	

37# SAR Measurement at ISM (Body, Left)
Date of measurement: 28/3/2025

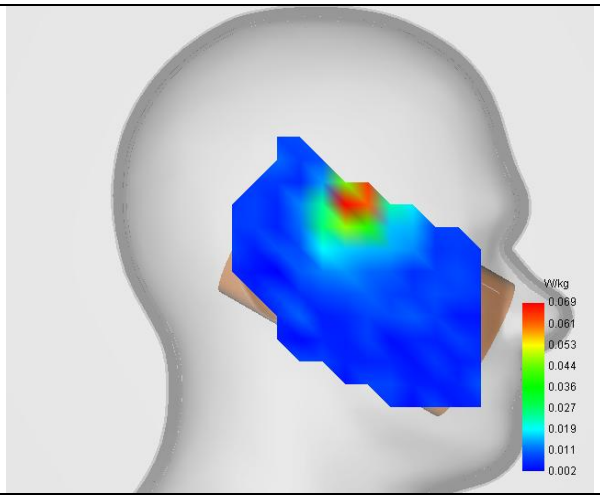
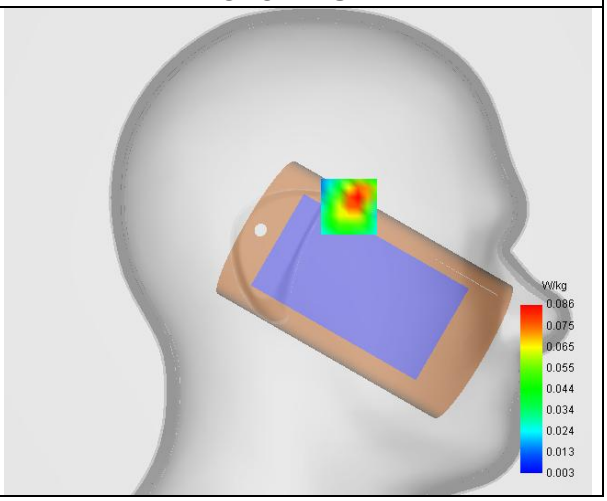
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.74
Area Scan	dx=12mm dy=12mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Left head
Device Position	Body
Band	ISM
Signal	IEEE 802.11 b
Channels/Frequency	Middle (6)/ frequency 2437.00 Mhz

B. Permitivity

Middle TX Frequency (MHz)	2437.00
Relative permitivity (real part)	40.79
Relative permitivity (imaginary part)	12.89
Conductivity (S/m)	1.74

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

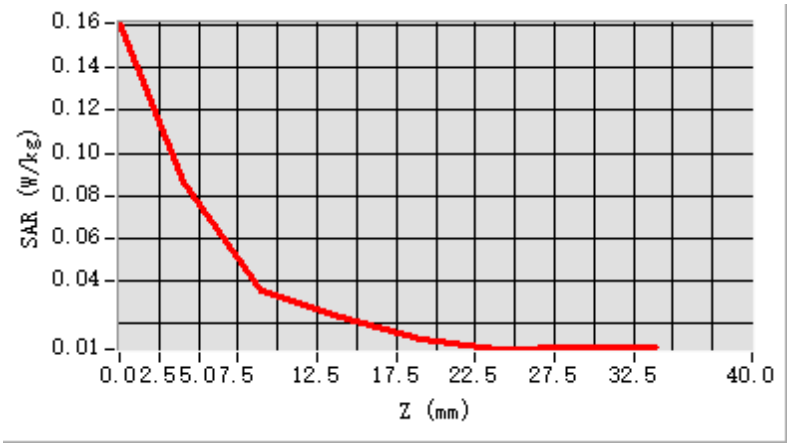
Maximum location: X=-27.00, Y=24.00 ; SAR Peak: 0.14 W/kg

D. SAR 1g & 10g

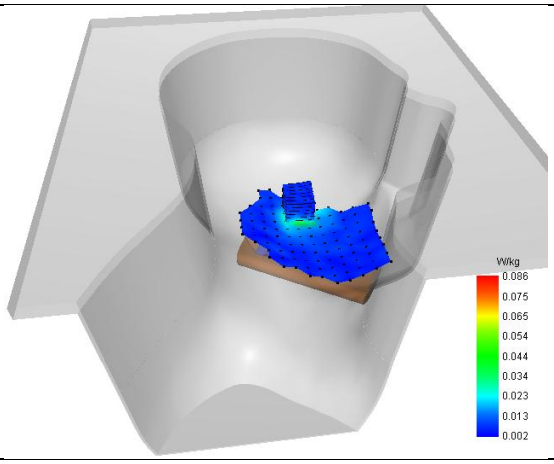
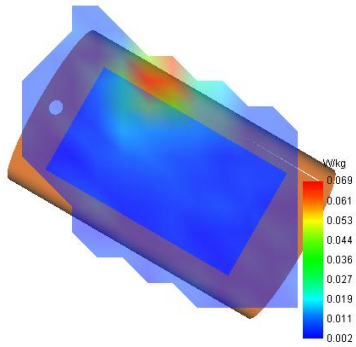
SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.077
Variation (%)	-2.66
Horizontal validation criteria: minimum distance (mm)	11.18
Vertical validation criteria: SAR ratio M2/M1 (%)	51.39

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.161	0.086	0.035	0.023	0.012	0.008	0.009



F. 3D Image

3D screen shot	Hot spot position
	

38# SAR Measurement at ISM (Body, Validation Plane)
Date of measurement: 28/3/2025

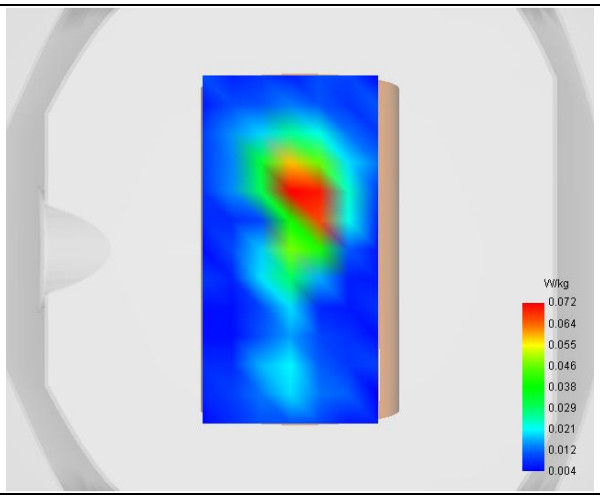
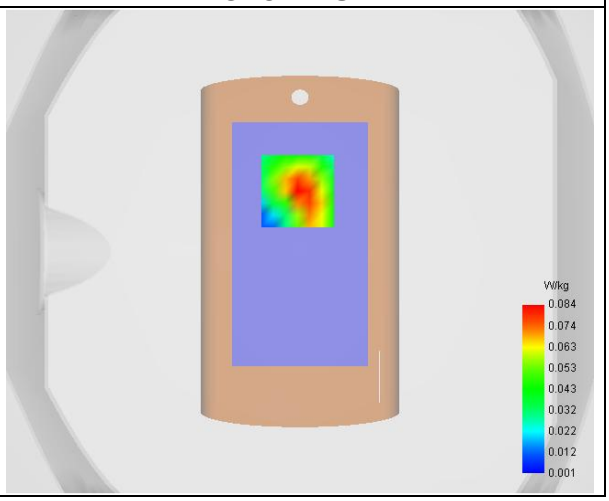
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.74
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. Permitivity

Middle TX Frequency (MHz)	2437.00
Relative permitivity (real part)	40.79
Relative permitivity (imaginary part)	12.89
Conductivity (S/m)	1.74

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

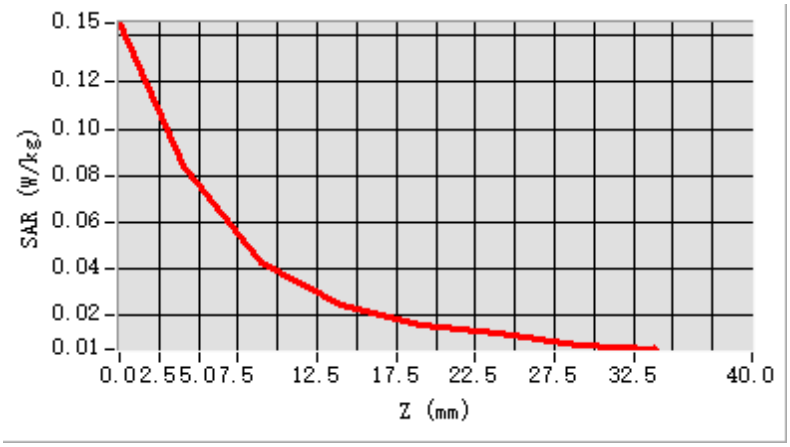
Maximum location: X=-1.00, Y=25.00 ; SAR Peak: 0.14 W/kg

D. SAR 1g & 10g

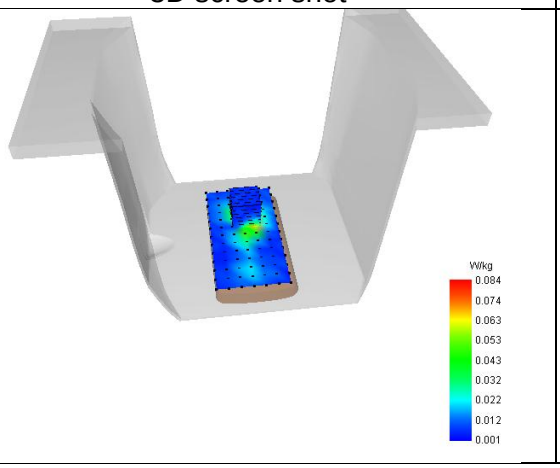
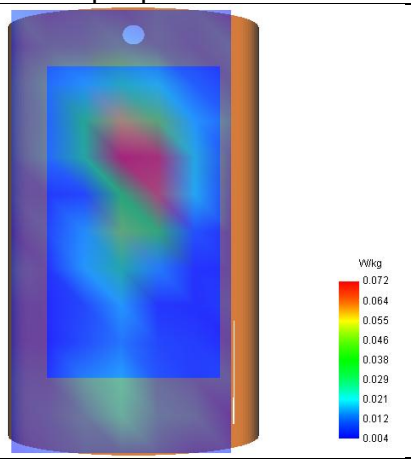
SAR 10g (W/Kg)	0.038
SAR 1g (W/Kg)	0.076
Variation (%)	-4.67
Horizontal validation criteria: minimum distance (mm)	11.18
Vertical validation criteria: SAR ratio M2/M1 (%)	53.09

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.146	0.084	0.042	0.025	0.015	0.012	0.007



F. 3D Image

3D screen shot	Hot spot position
	

39# SAR Measurement at ISM (Body, Validation Plane)
Date of measurement: 28/3/2025

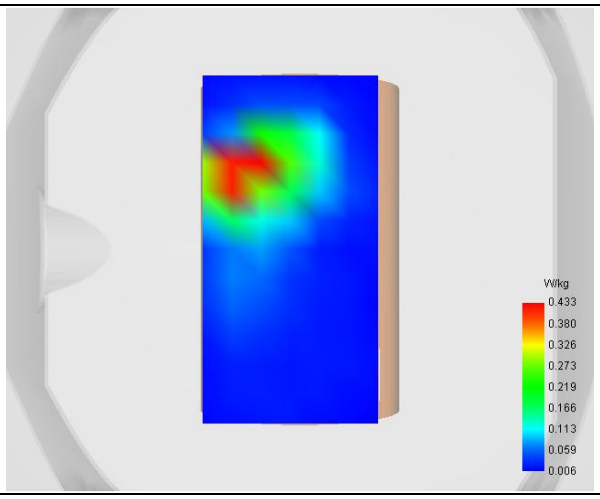
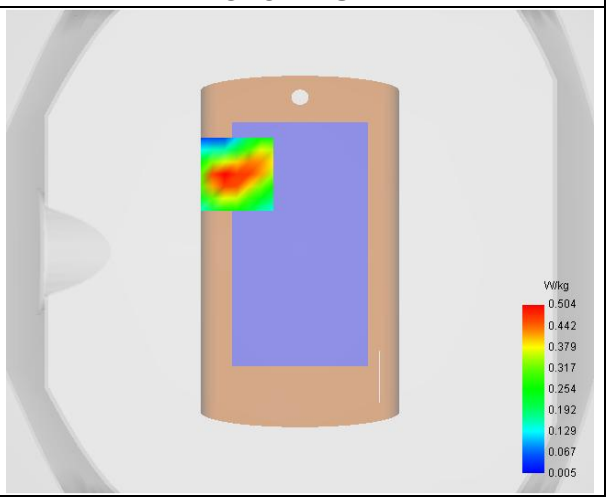
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.74
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. Permitivity

Middle TX Frequency (MHz)	2437.00
Relative permitivity (real part)	40.79
Relative permitivity (imaginary part)	12.89
Conductivity (S/m)	1.74

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

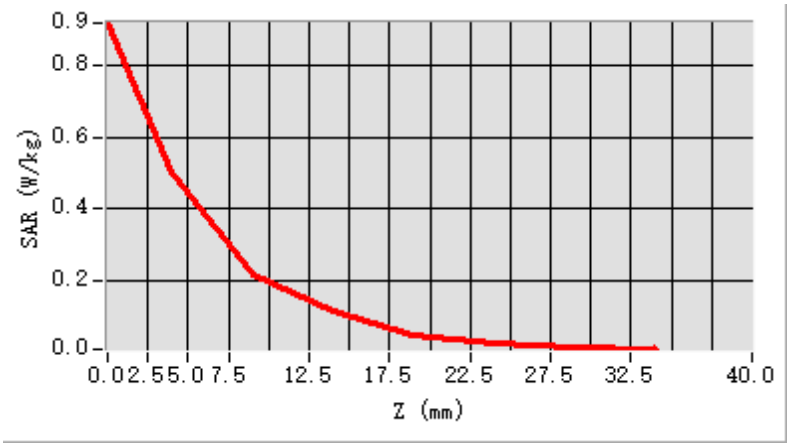
Maximum location: X=-26.00, Y=32.00 ; SAR Peak: 0.85 W/kg

D. SAR 1g & 10g

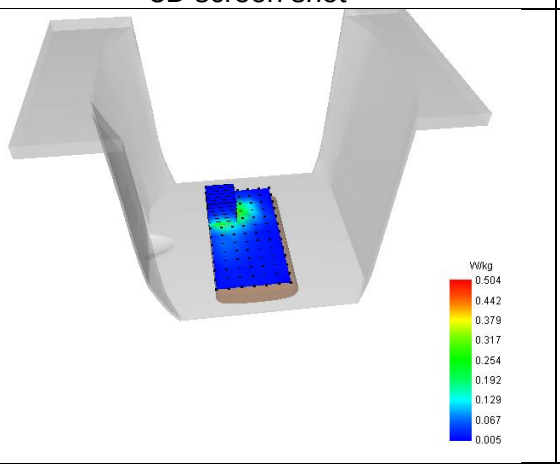
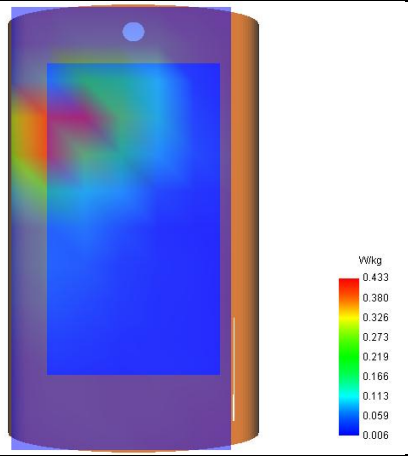
SAR 10g (W/Kg)	0.201
SAR 1g (W/Kg)	0.455
Variation (%)	0.63
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	48.52

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.917	0.504	0.217	0.118	0.053	0.028	0.016



F. 3D Image

3D screen shot	Hot spot position
	

40# SAR Measurement at ISM (Body, Validation Plane)
Date of measurement: 28/3/2025

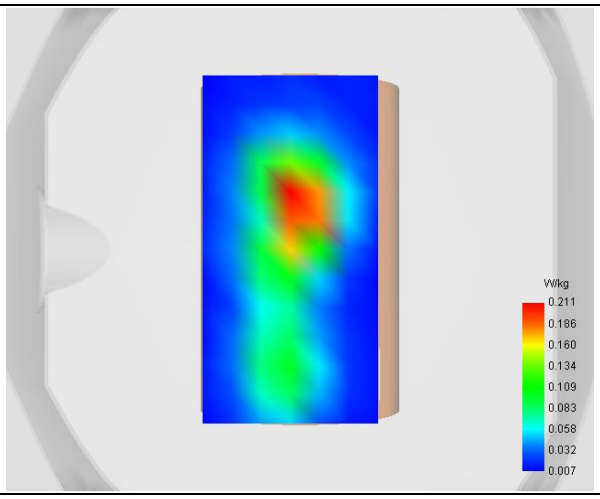
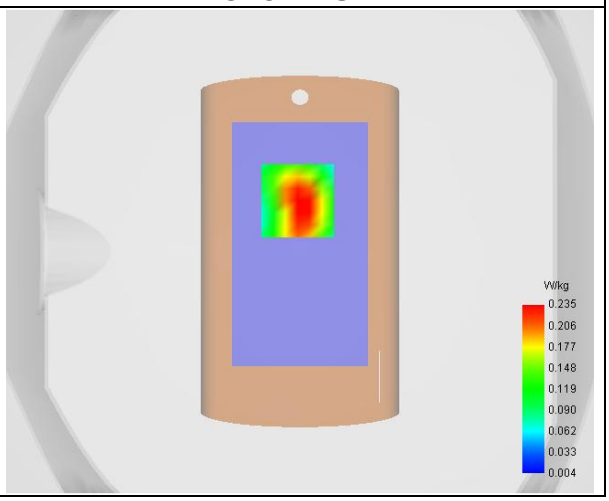
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.74
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. Permitivity

Middle TX Frequency (MHz)	2437.00
Relative permitivity (real part)	40.79
Relative permitivity (imaginary part)	12.89
Conductivity (S/m)	1.74

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

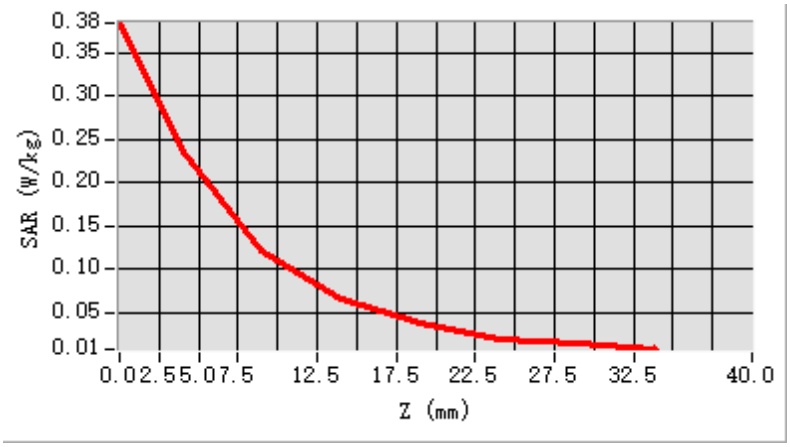
Maximum location: X=-1.00, Y=21.00 ; SAR Peak: 0.39 W/kg

D. SAR 1g & 10g

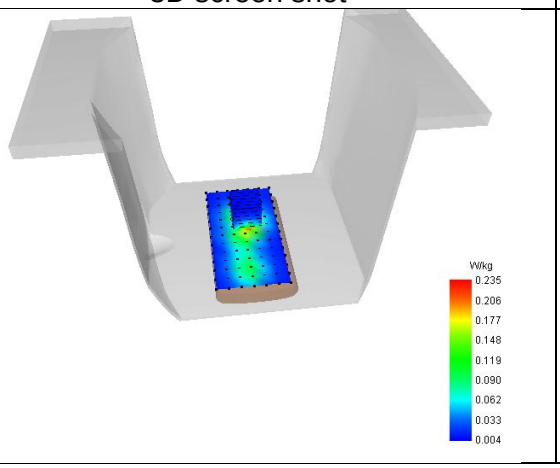
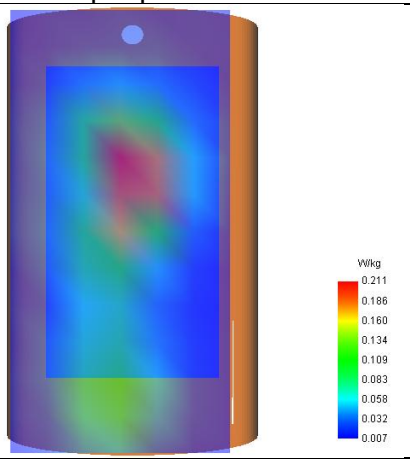
SAR 10g (W/Kg)	0.112
SAR 1g (W/Kg)	0.225
Variation (%)	0.52
Horizontal validation criteria: minimum distance (mm)	11.18
Vertical validation criteria: SAR ratio M2/M1 (%)	53.24

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.384	0.235	0.122	0.066	0.038	0.019	0.014



F. 3D Image

3D screen shot	Hot spot position
	

41# SAR Measurement at LTE band 2 (Cheek, Left)
Date of measurement: 27/3/2025

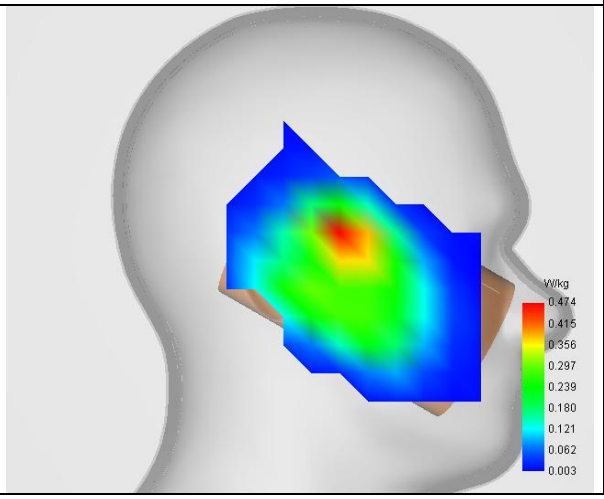
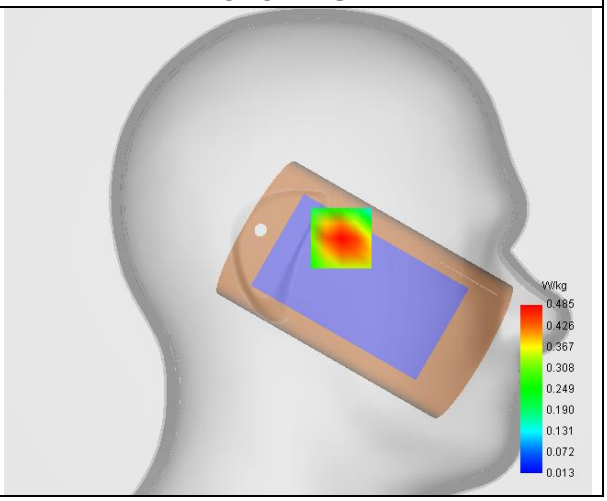
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.57
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. Permitivity

Middle TX Frequency (MHz)	1880.00
Relative permitivity (real part)	38.16
Relative permitivity (imaginary part)	13.53
Conductivity (S/m)	1.41

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

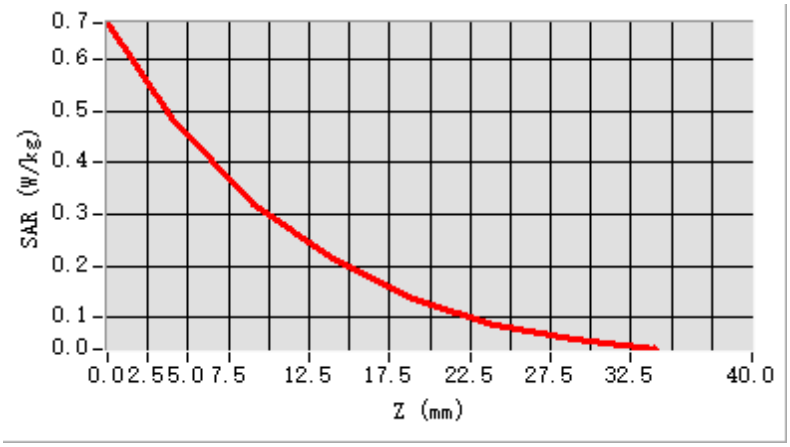
Maximum location: X=-23.00, Y=7.00 ; SAR Peak: 0.67 W/kg

D. SAR 1g & 10g

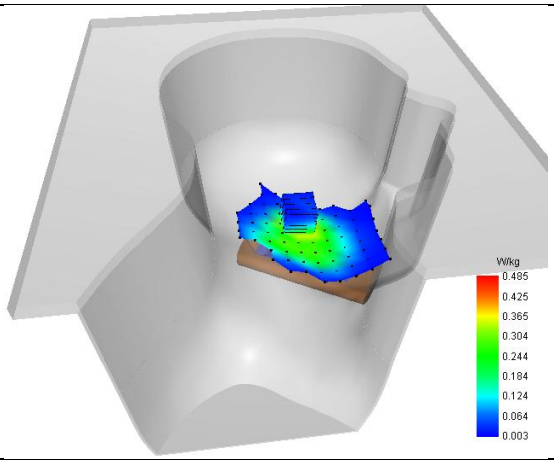
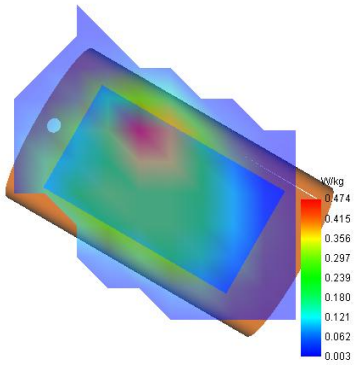
SAR 10g (W/Kg)	0.281
SAR 1g (W/Kg)	0.466
Variation (%)	-0.83
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	65.88

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.670	0.485	0.320	0.214	0.138	0.087	0.058



F. 3D Image

3D screen shot	Hot spot position
	

42# SAR Measurement at LTE band 2 (Body, Validation Plane)
Date of measurement: 27/3/2025

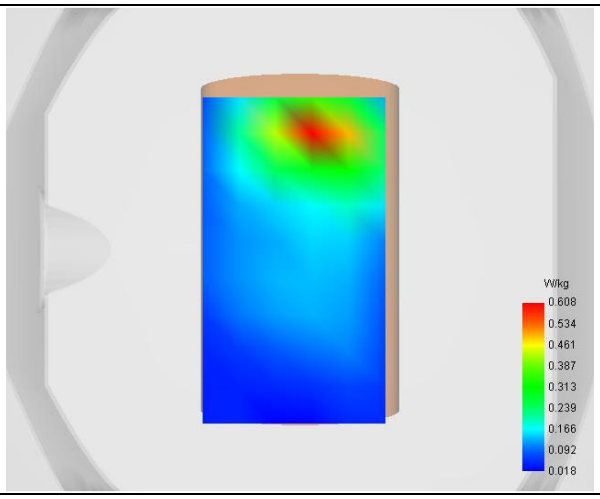
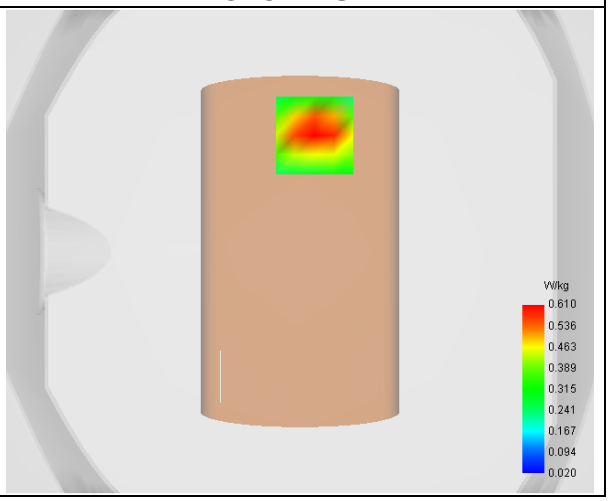
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.57
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. Permitivity

Middle TX Frequency (MHz)	1880.00
Relative permitivity (real part)	38.16
Relative permitivity (imaginary part)	13.53
Conductivity (S/m)	1.41

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

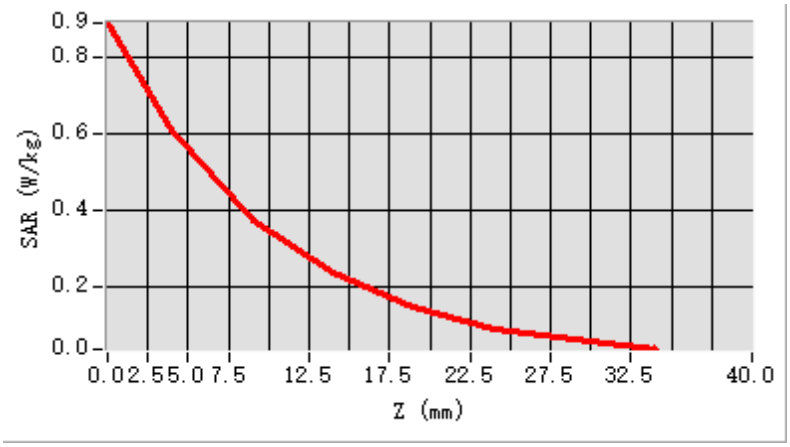
Maximum location: X=6.00, Y=48.00 ; SAR Peak: 0.91 W/kg

D. SAR 1g & 10g

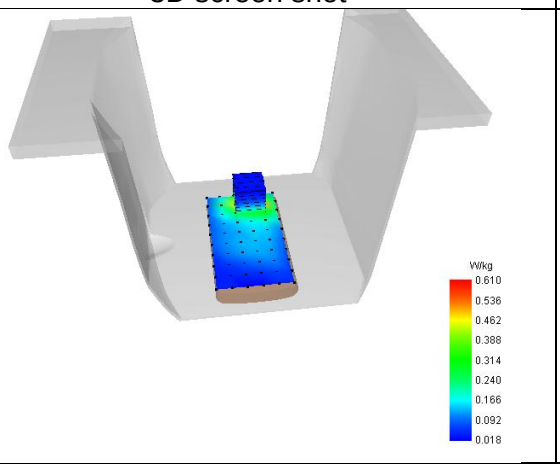
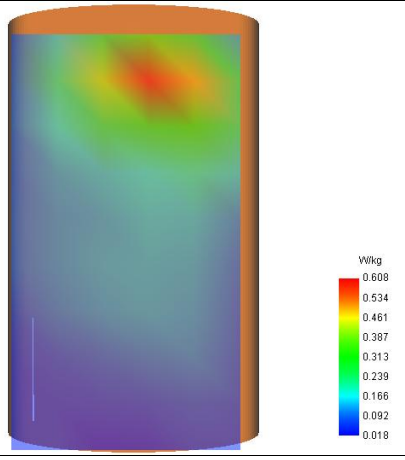
SAR 10g (W/Kg)	0.334
SAR 1g (W/Kg)	0.591
Variation (%)	0.65
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	61.42

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.891	0.610	0.375	0.237	0.148	0.090	0.058



F. 3D Image

3D screen shot	Hot spot position
	

43# SAR Measurement at LTE band 4 (Cheek, Left)
Date of measurement: 26/3/2025

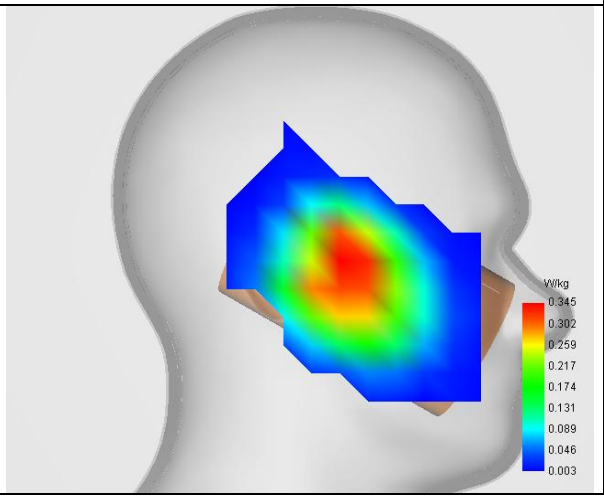
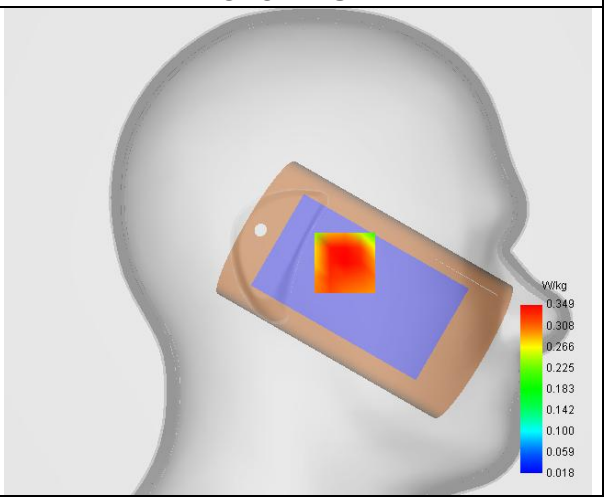
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.51
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. Permitivity

Middle TX Frequency (MHz)	1732.50
Relative permitivity (real part)	39.24
Relative permitivity (imaginary part)	13.58
Conductivity (S/m)	1.31

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

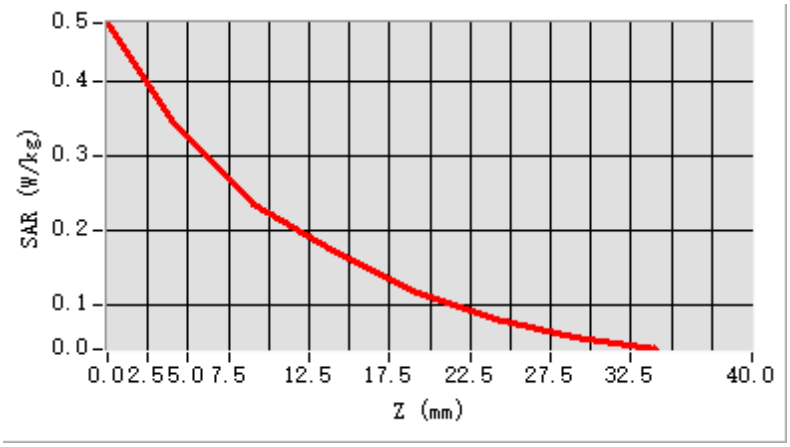
Maximum location: X=-25.00, Y=-6.00 ; SAR Peak: 0.48 W/kg

D. SAR 1g & 10g

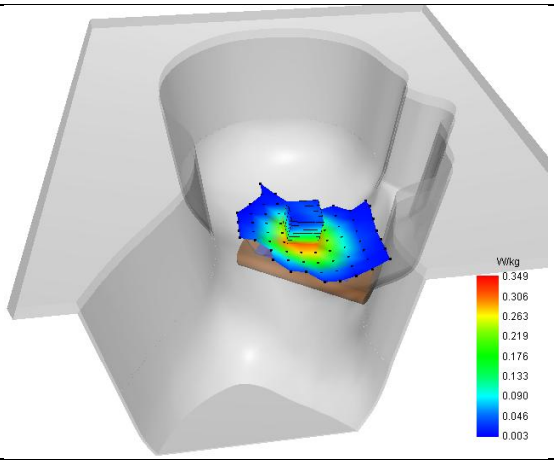
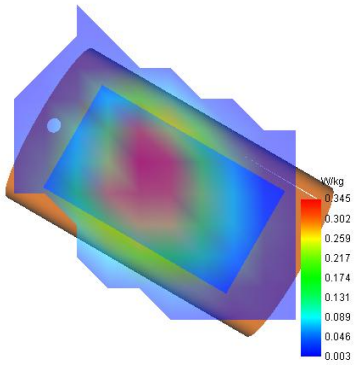
SAR 10g (W/Kg)	0.221
SAR 1g (W/Kg)	0.339
Variation (%)	1.22
Horizontal validation criteria: minimum distance (mm)	15.33
Vertical validation criteria: SAR ratio M2/M1 (%)	48.32

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.480	0.349	0.236	0.173	0.117	0.080	0.056



F. 3D Image

3D screen shot	Hot spot position
	

44# SAR Measurement at LTE band 4 (Body, Validation Plane)
Date of measurement: 26/3/2025

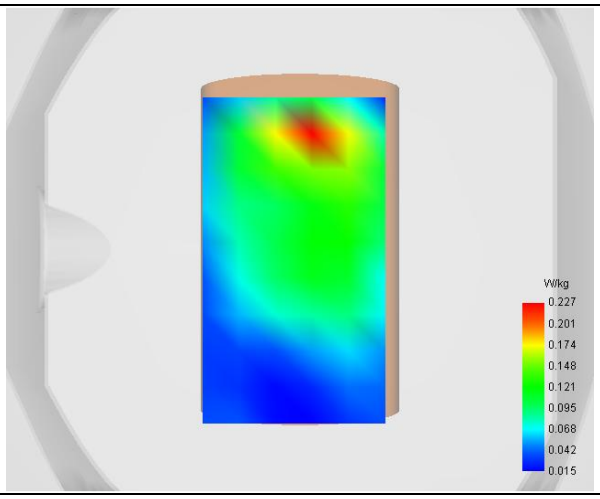
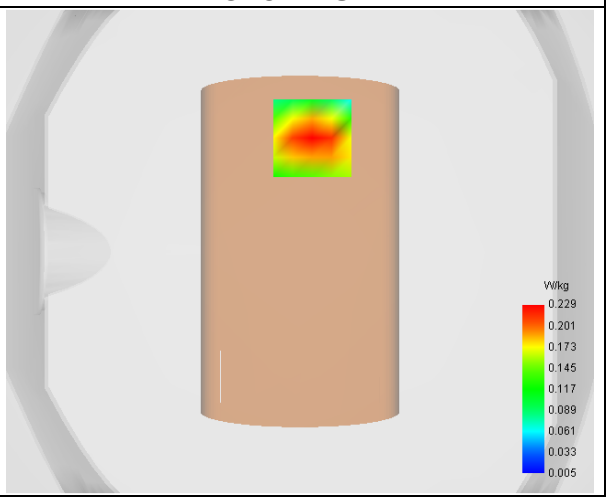
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.51
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. Permitivity

Middle TX Frequency (MHz)	1732.50
Relative permitivity (real part)	39.24
Relative permitivity (imaginary part)	13.58
Conductivity (S/m)	1.31

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

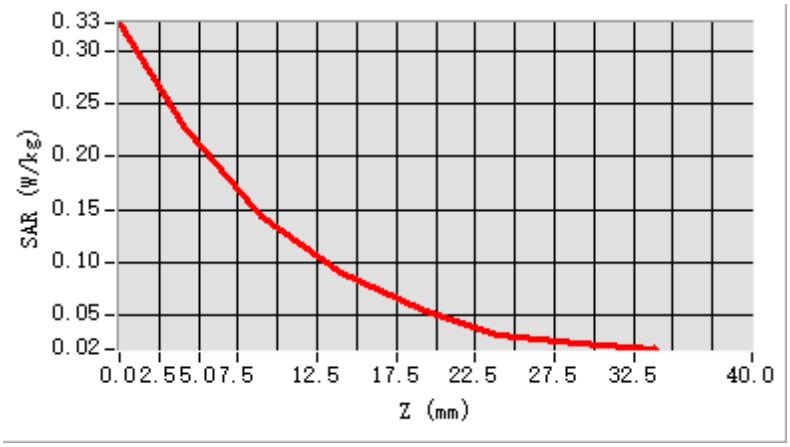
Maximum location: X=5.00, Y=47.00 ; SAR Peak: 0.33 W/kg

D. SAR 1g & 10g

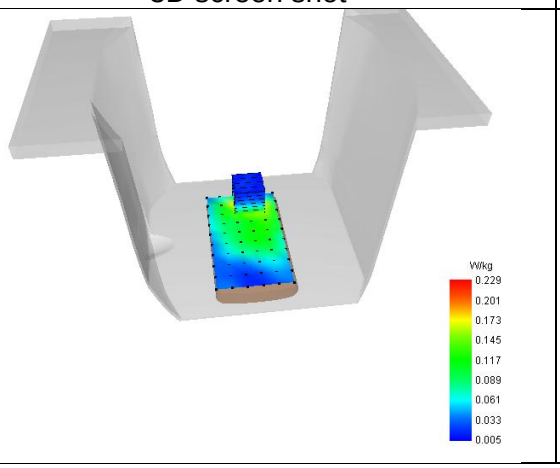
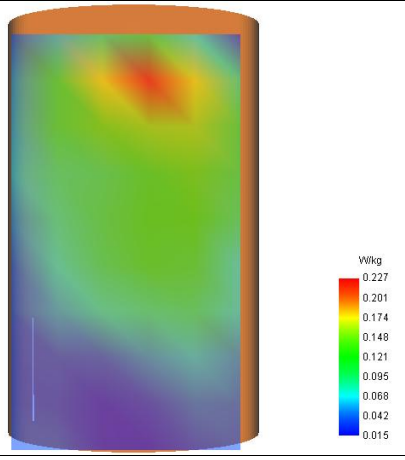
SAR 10g (W/Kg)	0.126
SAR 1g (W/Kg)	0.215
Variation (%)	0.09
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	62.88

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.326	0.229	0.144	0.090	0.057	0.032	0.024



F. 3D Image

3D screen shot	Hot spot position
	

45# SAR Measurement at LTE band 5 (Cheek, Left)
Date of measurement: 24/3/2025

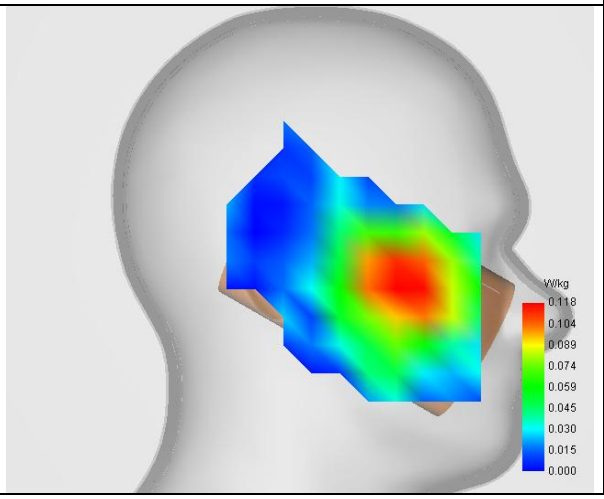
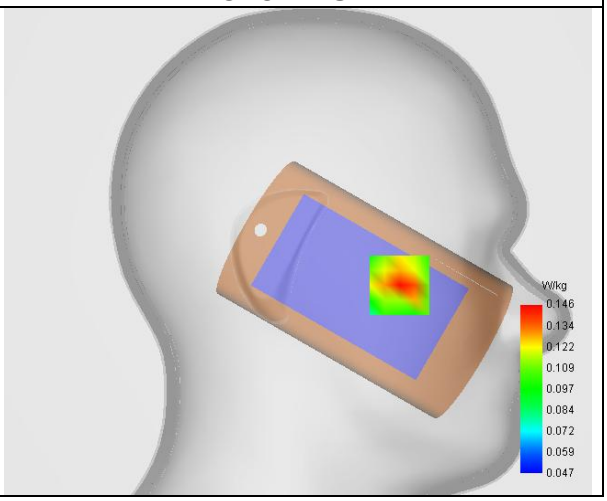
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.34
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. Permitivity

Middle TX Frequency (MHz)	836.50
Relative permitivity (real part)	41.26
Relative permitivity (imaginary part)	19.26
Conductivity (S/m)	0.90

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

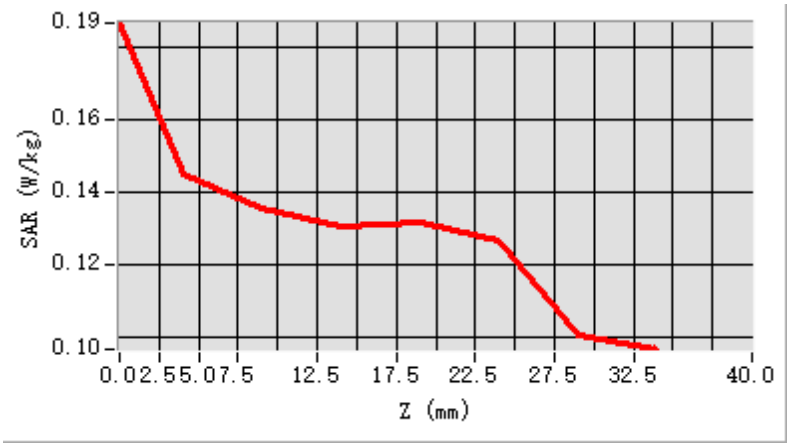
Maximum location: X=-54.00, Y=-18.00 ; SAR Peak: 0.19 W/kg

D. SAR 1g & 10g

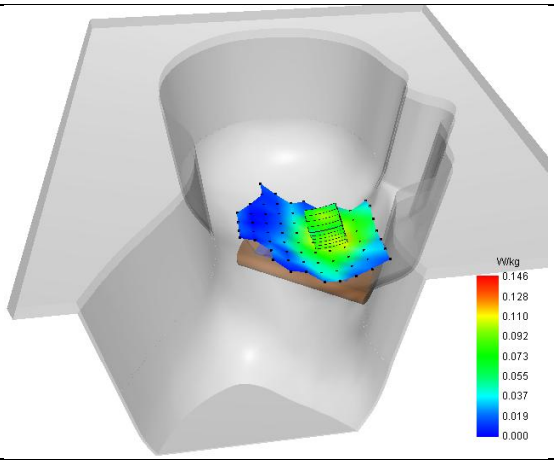
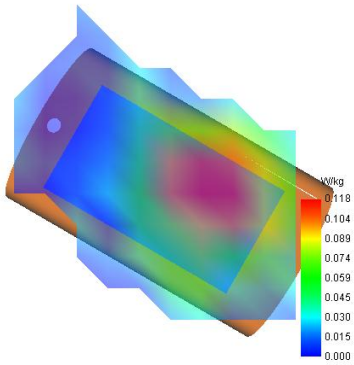
SAR 10g (W/Kg)	0.124
SAR 1g (W/Kg)	0.147
Variation (%)	2.61
Horizontal validation criteria: minimum distance (mm)	15.85
Vertical validation criteria: SAR ratio M2/M1 (%)	46.39

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.186	0.145	0.136	0.130	0.132	0.127	0.100



F. 3D Image

3D screen shot	Hot spot position
	

46# SAR Measurement at LTE band 5 (Body, Validation Plane)
Date of measurement: 24/3/2025

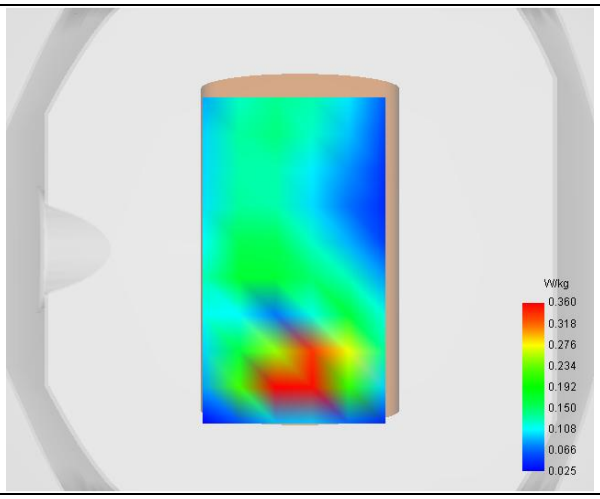
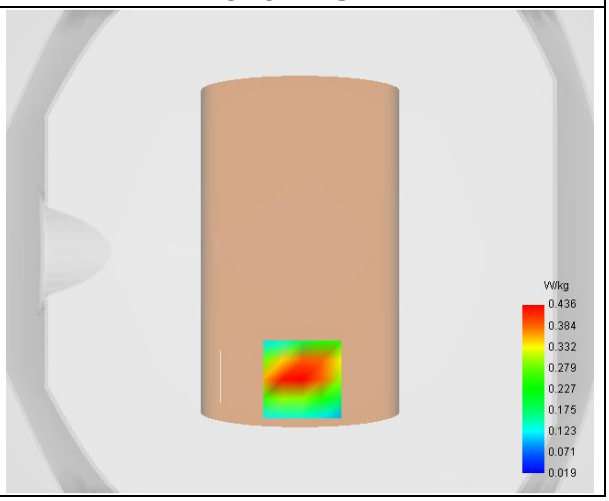
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.34
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. Permitivity

Middle TX Frequency (MHz)	836.50
Relative permitivity (real part)	41.26
Relative permitivity (imaginary part)	19.26
Conductivity (S/m)	0.90

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

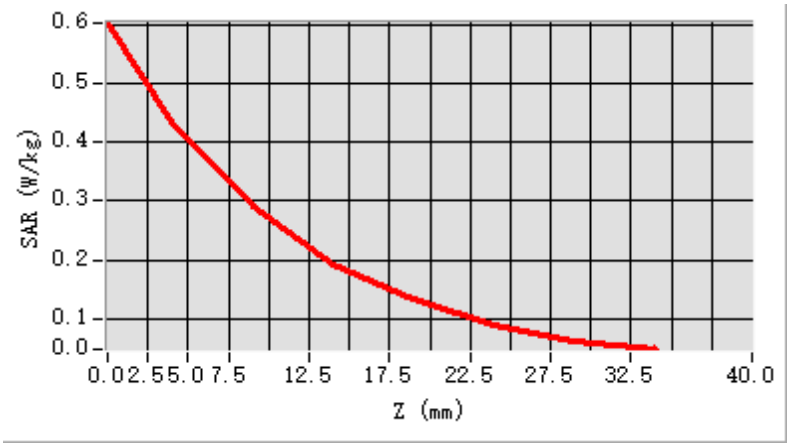
Maximum location: X=1.00, Y=-53.00 ; SAR Peak: 0.64 W/kg

D. SAR 1g & 10g

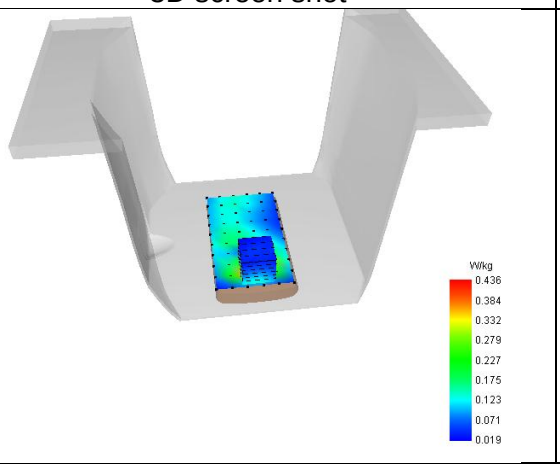
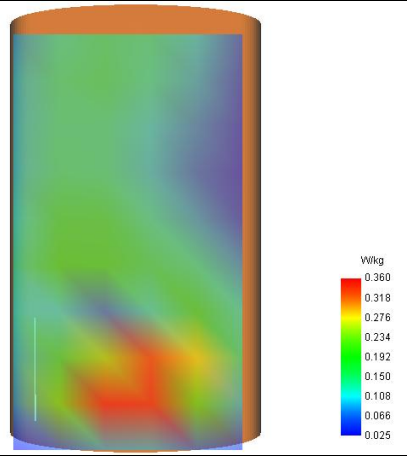
SAR 10g (W/Kg)	0.247
SAR 1g (W/Kg)	0.421
Variation (%)	1.38
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	66.78

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.602	0.436	0.291	0.194	0.133	0.091	0.064



F. 3D Image

3D screen shot	Hot spot position
	

47# SAR Measurement at LTE band 7 (Cheek, Left)
Date of measurement: 29/3/2025

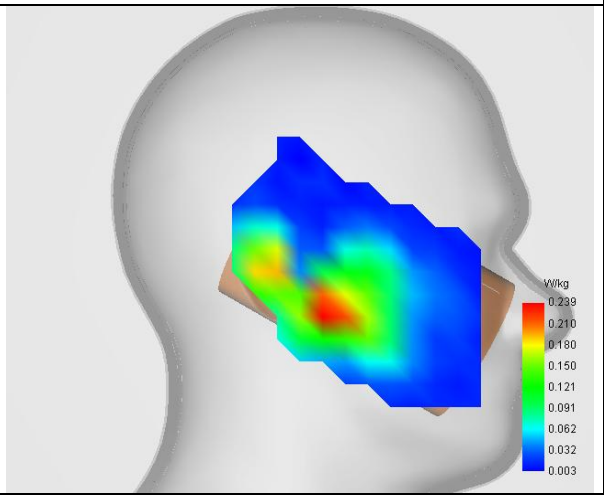
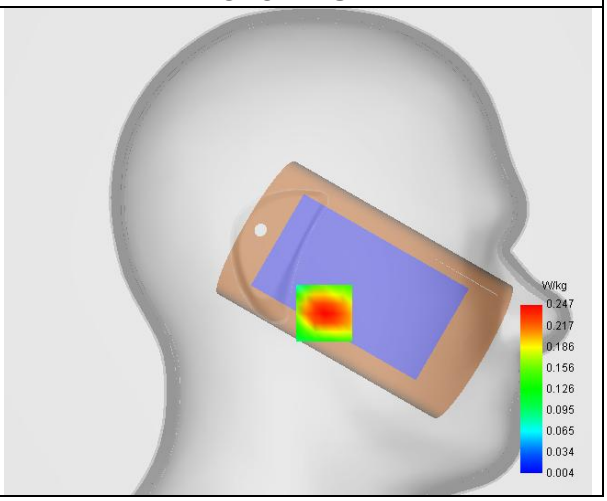
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.51
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. Permitivity

Middle TX Frequency (MHz)	2535.00
Relative permitivity (real part)	40.22
Relative permitivity (imaginary part)	13.37
Conductivity (S/m)	1.88

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

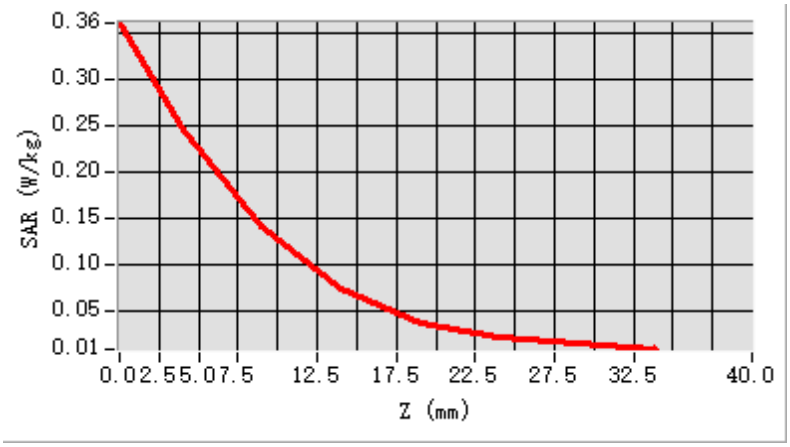
Maximum location: X=-14.00, Y=-33.00 ; SAR Peak: 0.37 W/kg

D. SAR 1g & 10g

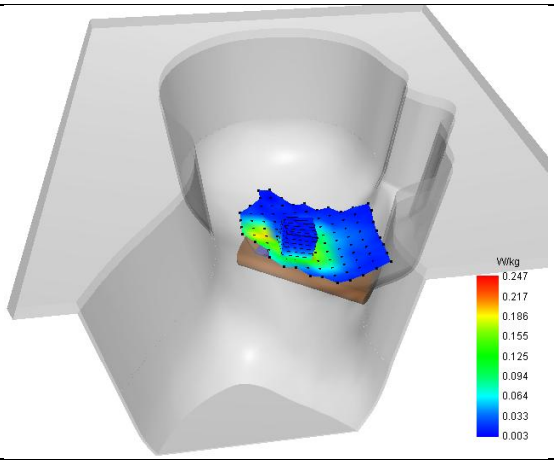
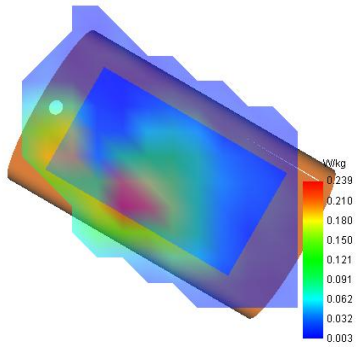
SAR 10g (W/Kg)	0.124
SAR 1g (W/Kg)	0.228
Variation (%)	3.46
Horizontal validation criteria: minimum distance (mm)	15.00
Vertical validation criteria: SAR ratio M2/M1 (%)	57.58

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.361	0.247	0.142	0.076	0.038	0.023	0.017



F. 3D Image

3D screen shot	Hot spot position
	

48# SAR Measurement at LTE band 7 (Body, Validation Plane)
Date of measurement: 29/3/2025

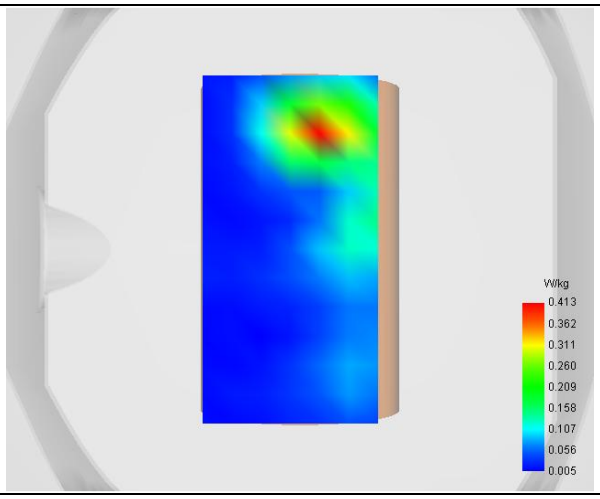
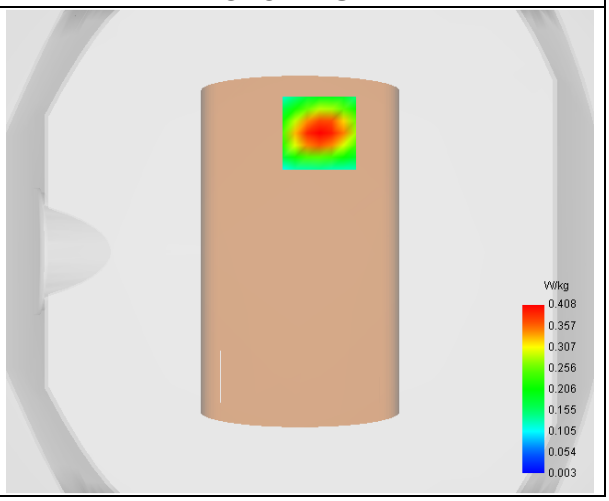
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.51
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. Permitivity

Middle TX Frequency (MHz)	2535.00
Relative permitivity (real part)	40.22
Relative permitivity (imaginary part)	13.37
Conductivity (S/m)	1.88

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

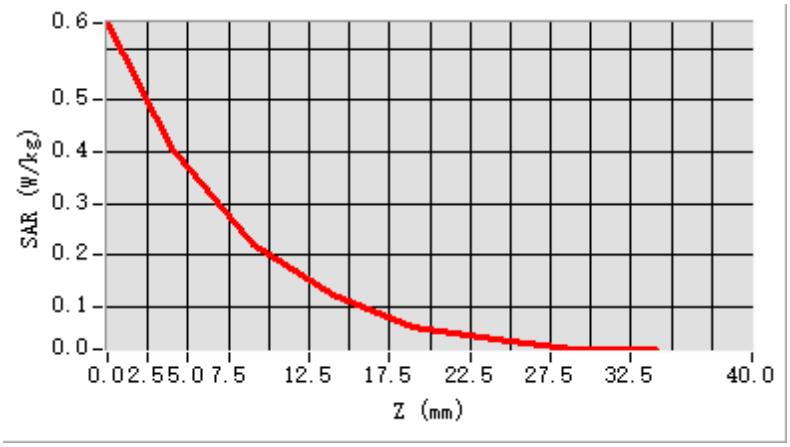
Maximum location: X=8.00, Y=49.00 ; SAR Peak: 0.64 W/kg

D. SAR 1g & 10g

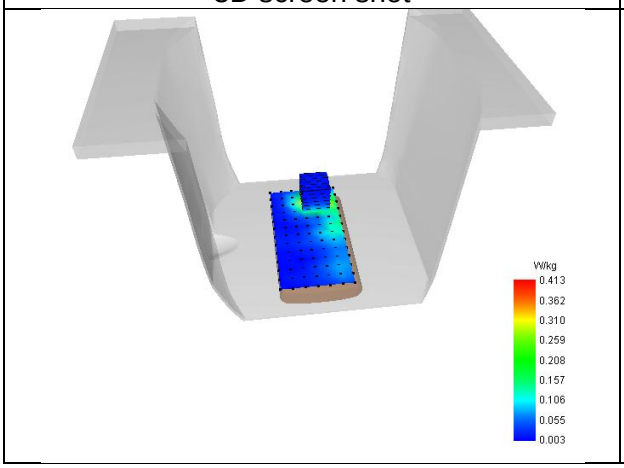
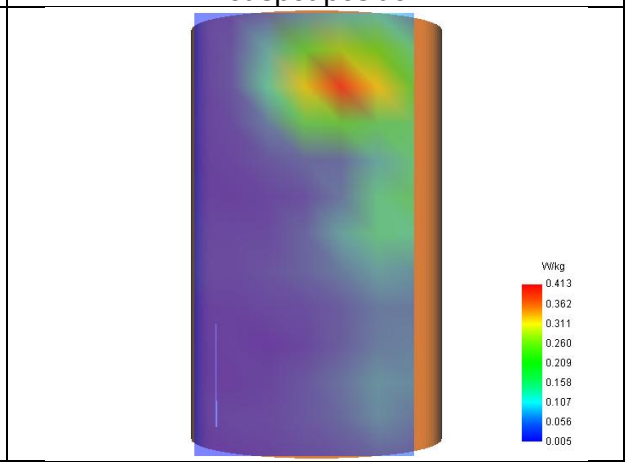
SAR 10g (W/Kg)	0.193
SAR 1g (W/Kg)	0.379
Variation (%)	3.82
Horizontal validation criteria: minimum distance (mm)	15.00
Vertical validation criteria: SAR ratio M2/M1 (%)	53.75

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.650	0.408	0.219	0.122	0.061	0.037	0.019



F. 3D Image

3D screen shot	Hot spot position
	

49# SAR Measurement at LTE band 12 (Cheek, Left)
Date of measurement: 23/3/2025

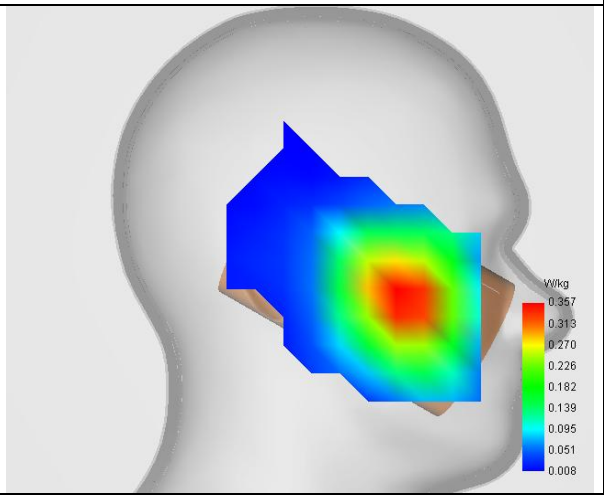
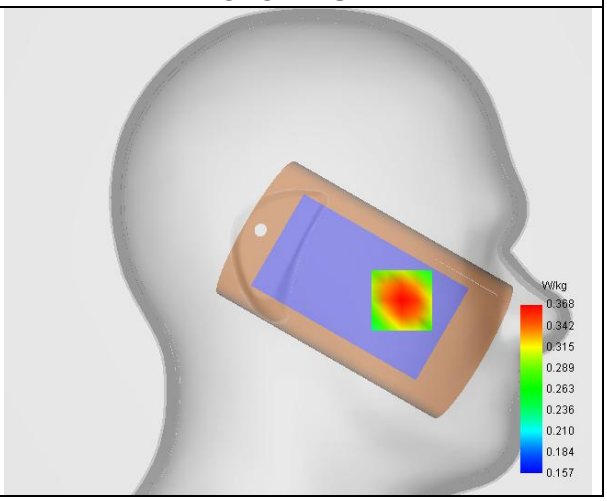
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.42
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. Permitivity

Middle TX Frequency (MHz)	707.50
Relative permitivity (real part)	41.16
Relative permitivity (imaginary part)	21.78
Conductivity (S/m)	0.86

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

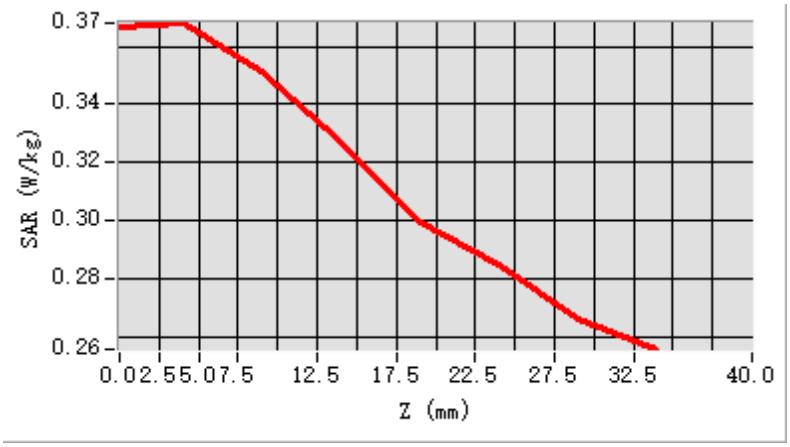
Maximum location: X=-55.00, Y=-26.00 ; SAR Peak: 0.37 W/kg

D. SAR 1g & 10g

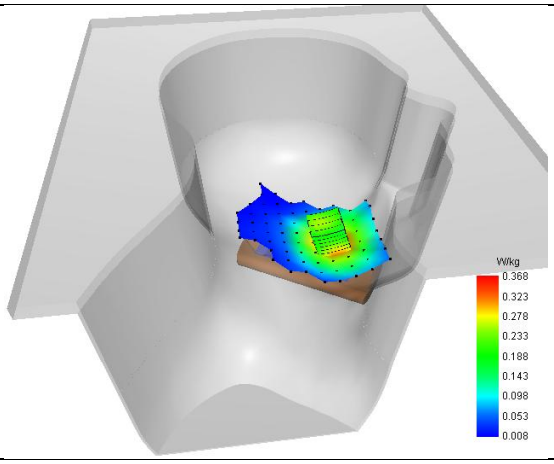
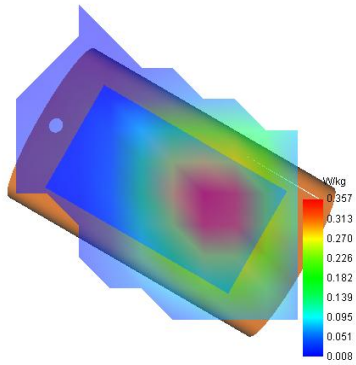
SAR 10g (W/Kg)	0.320
SAR 1g (W/Kg)	0.357
Variation (%)	0.43
Horizontal validation criteria: minimum distance (mm)	17.63
Vertical validation criteria: SAR ratio M2/M1 (%)	50.08

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.367	0.368	0.352	0.327	0.300	0.285	0.267



F. 3D Image

3D screen shot	Hot spot position
	

50# SAR Measurement at LTE band 12 (Body, Validation Plane)
Date of measurement: 23/3/2025

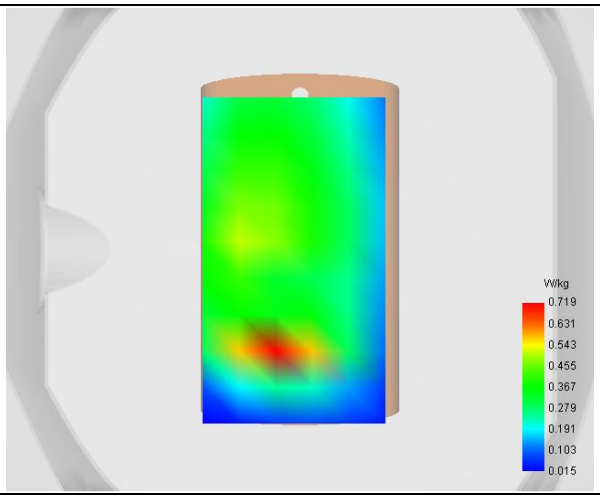
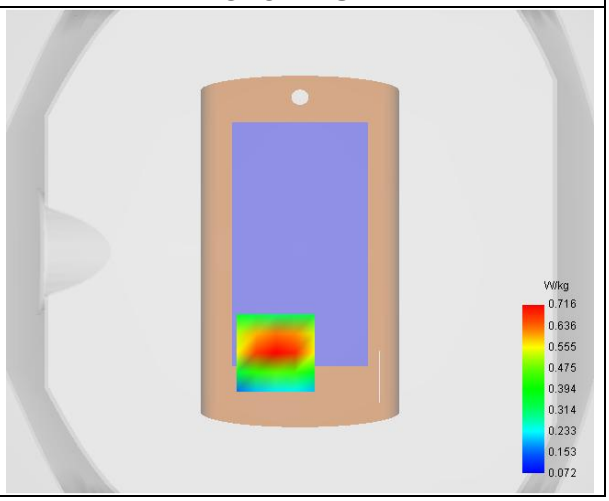
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.42
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. Permitivity

Middle TX Frequency (MHz)	707.50
Relative permitivity (real part)	41.16
Relative permitivity (imaginary part)	21.78
Conductivity (S/m)	0.86

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

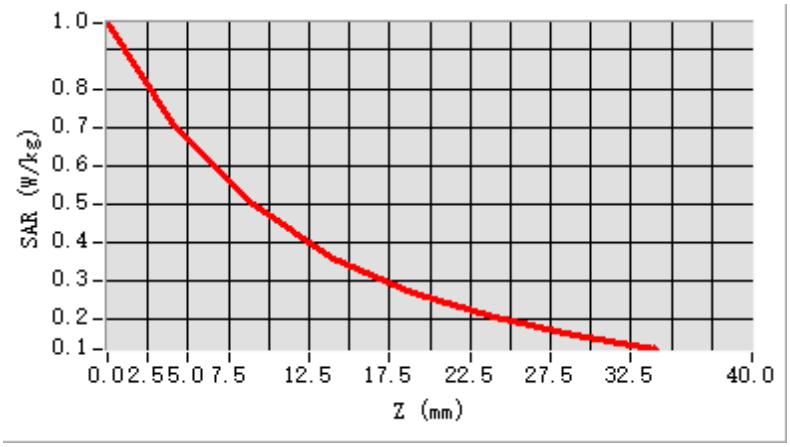
Maximum location: X=-10.00, Y=-42.00 ; SAR Peak: 1.03 W/kg

D. SAR 1g & 10g

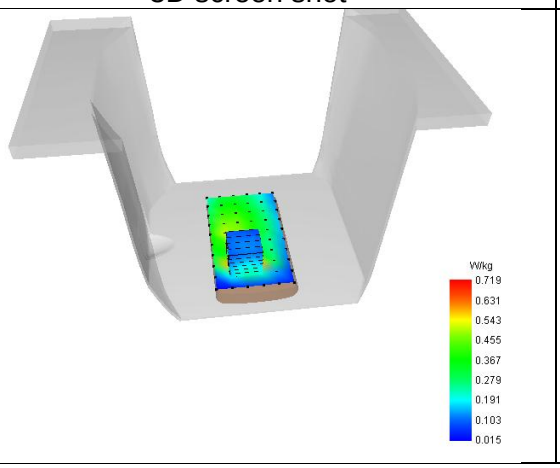
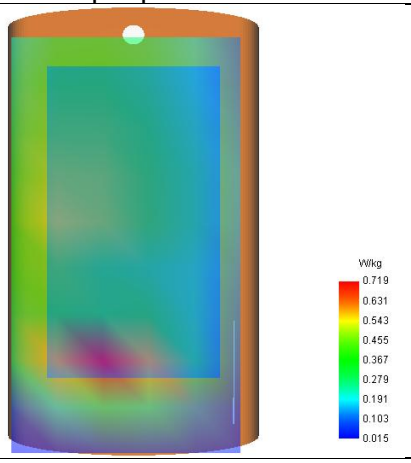
SAR 10g (W/Kg)	0.428
SAR 1g (W/Kg)	0.688
Variation (%)	-0.82
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	69.67

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.970	0.716	0.499	0.360	0.269	0.205	0.159



F. 3D Image

3D screen shot	Hot spot position
	

51# SAR Measurement at LTE band 17 (Cheek, Left)
Date of measurement: 23/3/2025

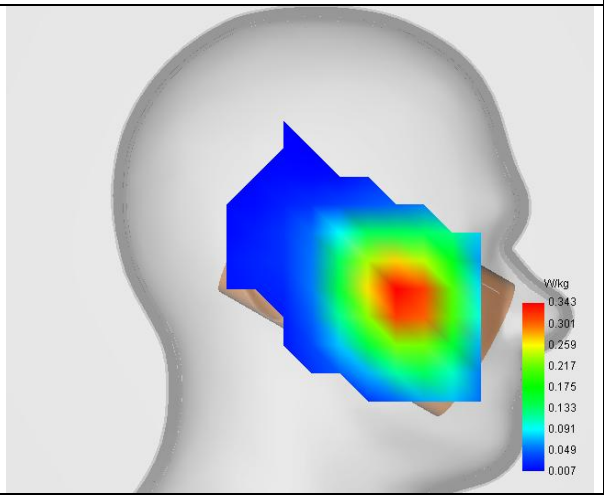
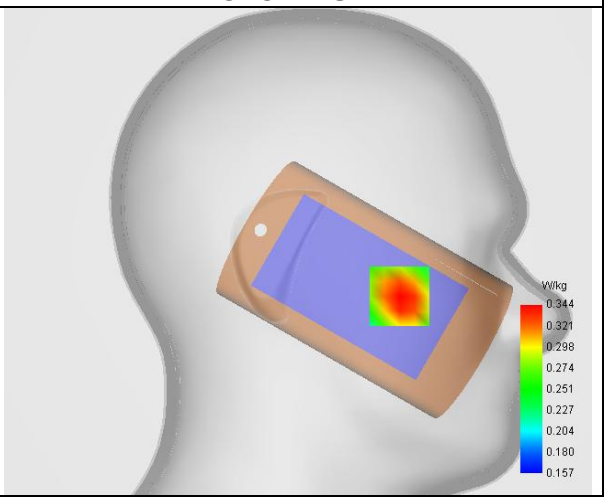
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.42
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. Permitivity

Middle TX Frequency (MHz)	710.00
Relative permitivity (real part)	41.14
Relative permitivity (imaginary part)	21.72
Conductivity (S/m)	0.86

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

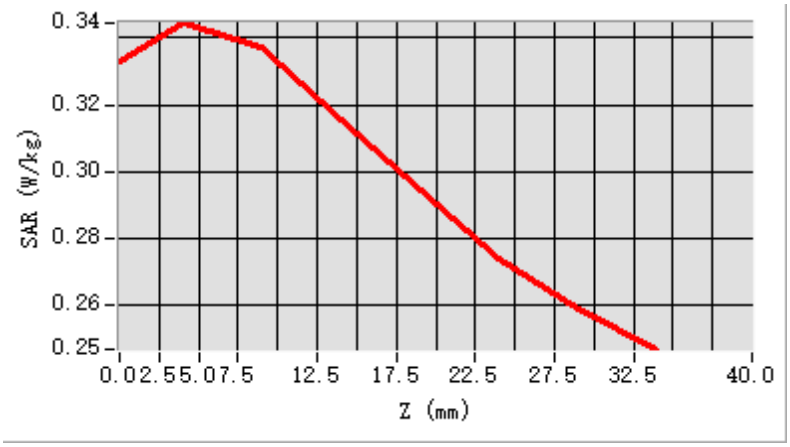
Maximum location: X=-54.00, Y=-24.00 ; SAR Peak: 0.34 W/kg

D. SAR 1g & 10g

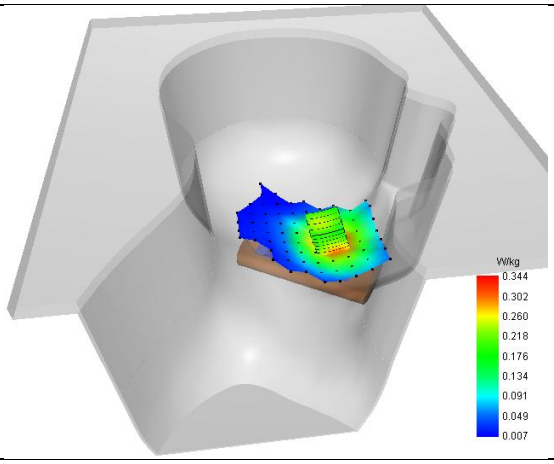
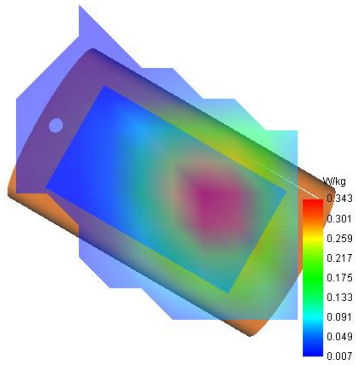
SAR 10g (W/Kg)	0.305
SAR 1g (W/Kg)	0.337
Variation (%)	3.65
Horizontal validation criteria: minimum distance (mm)	15.32
Vertical validation criteria: SAR ratio M2/M1 (%)	39.42

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.333	0.344	0.337	0.316	0.294	0.274	0.259



F. 3D Image

3D screen shot	Hot spot position
	

52# SAR Measurement at LTE band 17 (Body, Validation Plane)
Date of measurement: 23/3/2025

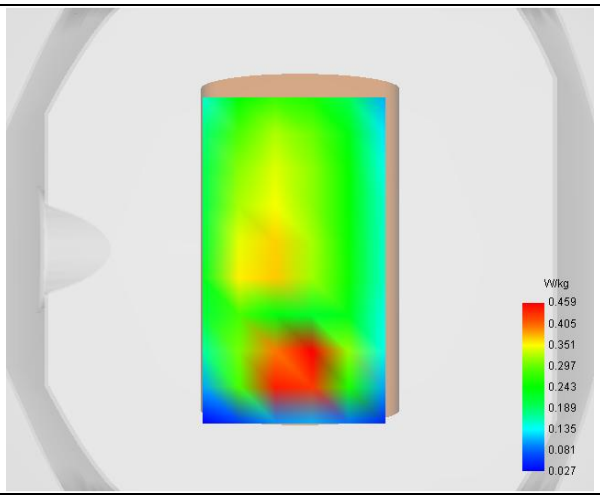
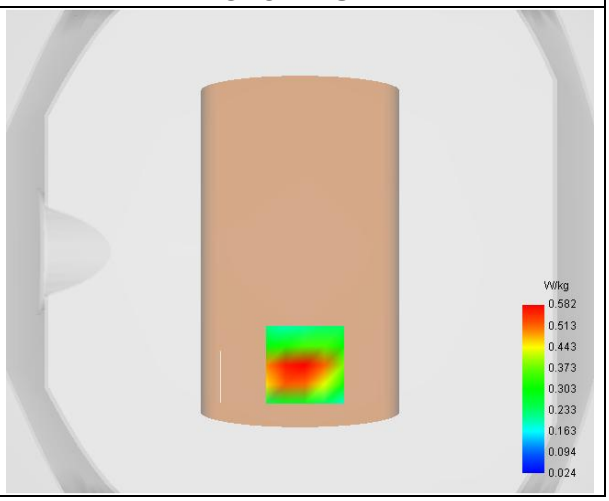
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.42
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)	708.20

B. Permitivity

Middle TX Frequency (MHz)	710.00
Relative permitivity (real part)	41.14
Relative permitivity (imaginary part)	21.72
Conductivity (S/m)	0.86

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

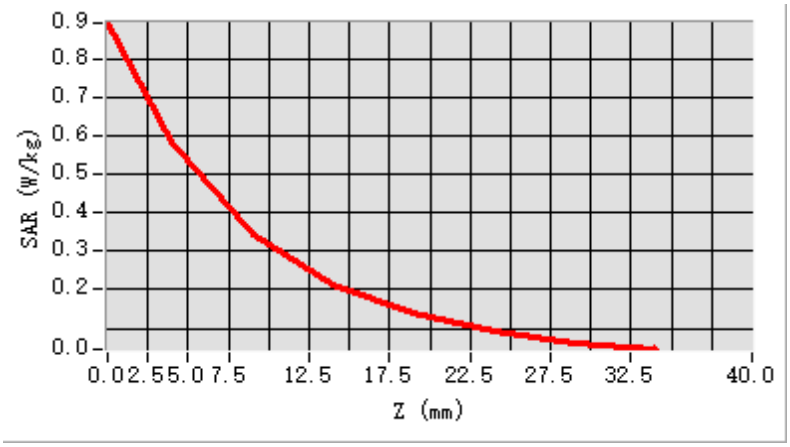
Maximum location: X=2.00, Y=-47.00 ; SAR Peak: 0.91 W/kg

D. SAR 1g & 10g

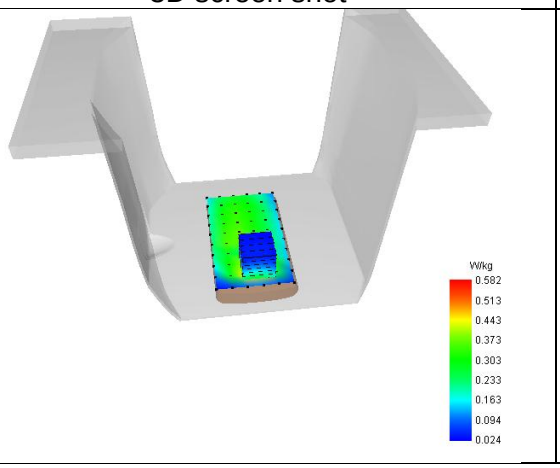
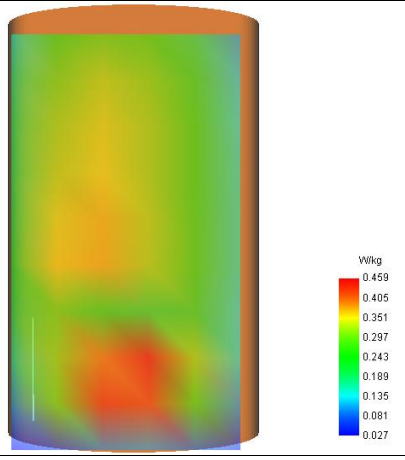
SAR 10g (W/Kg)	0.313
SAR 1g (W/Kg)	0.566
Variation (%)	-0.01
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	58.97

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.892	0.582	0.343	0.215	0.140	0.092	0.062



F. 3D Image

3D screen shot	Hot spot position
	

53# SAR Measurement at LTE band 18 (Cheek, Left)
Date of measurement: 24/3/2025

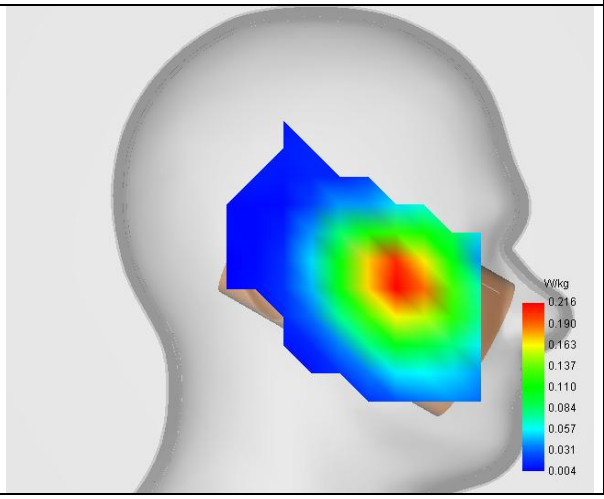
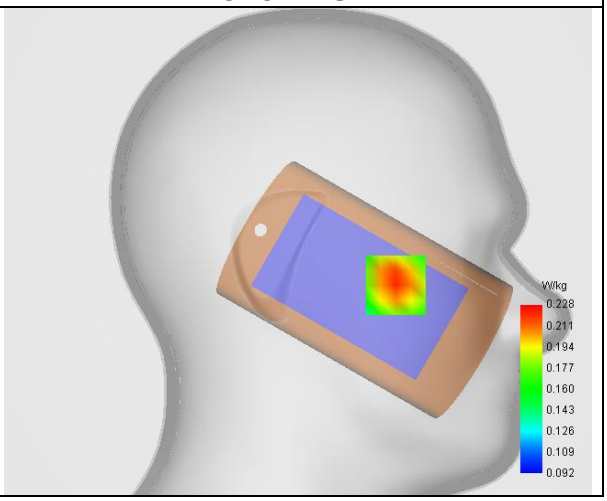
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.34
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 18
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23925)/ frequency 822.50 Mhz
Cell Bandwidth	5 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	822.50

B. Permitivity

Middle TX Frequency (MHz)	822.50
Relative permitivity (real part)	41.44
Relative permitivity (imaginary part)	19.22
Conductivity (S/m)	0.88

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

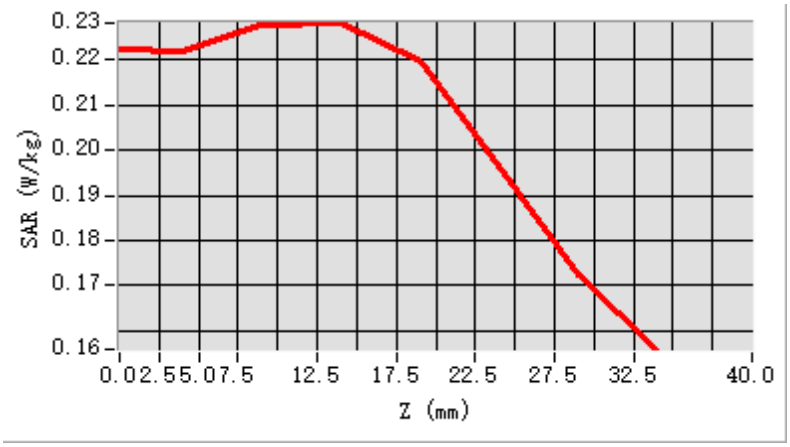
Maximum location: X=-52.00, Y=-18.00 ; SAR Peak: 0.23 W/kg

D. SAR 1g & 10g

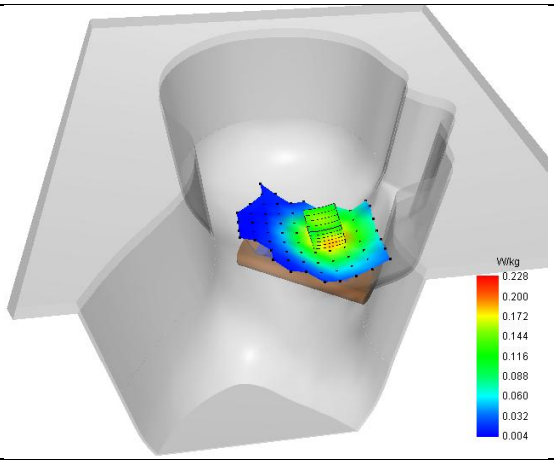
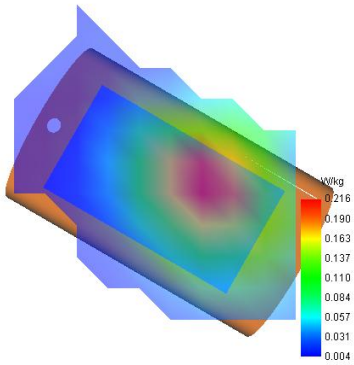
SAR 10g (W/Kg)	0.210
SAR 1g (W/Kg)	0.225
Variation (%)	1.87
Horizontal validation criteria: minimum distance (mm)	17.52
Vertical validation criteria: SAR ratio M2/M1 (%)	51.17

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.222	0.222	0.228	0.228	0.220	0.197	0.173



F. 3D Image

3D screen shot	Hot spot position
	

54# SAR Measurement at LTE band 18 (Body, Validation Plane)
Date of measurement: 24/3/2025

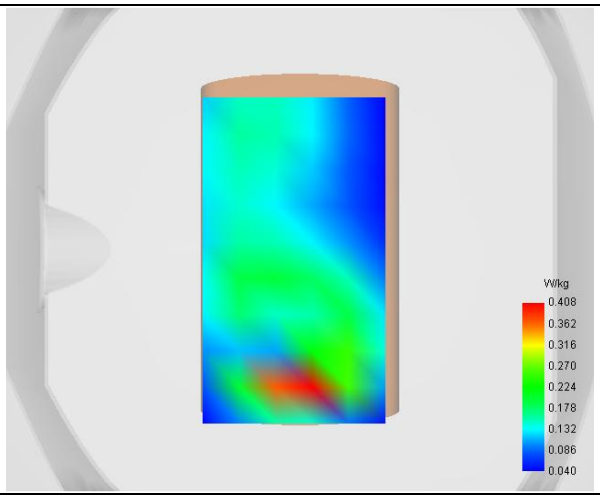
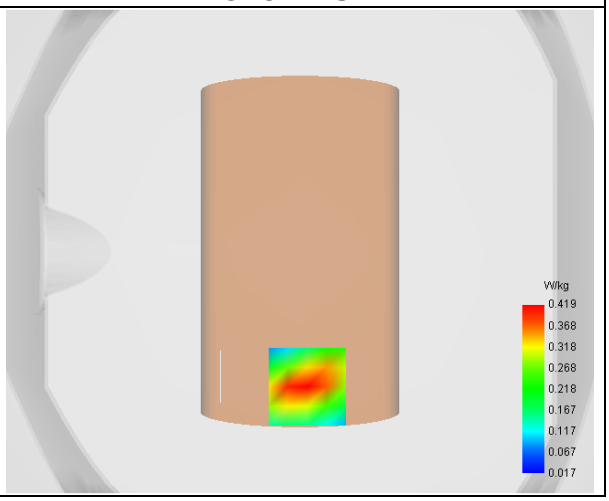
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.34
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 18
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23925)/ frequency 822.50 Mhz
Cell Bandwidth	5 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	822.50

B. Permitivity

Middle TX Frequency (MHz)	822.50
Relative permitivity (real part)	41.44
Relative permitivity (imaginary part)	19.22
Conductivity (S/m)	0.88

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

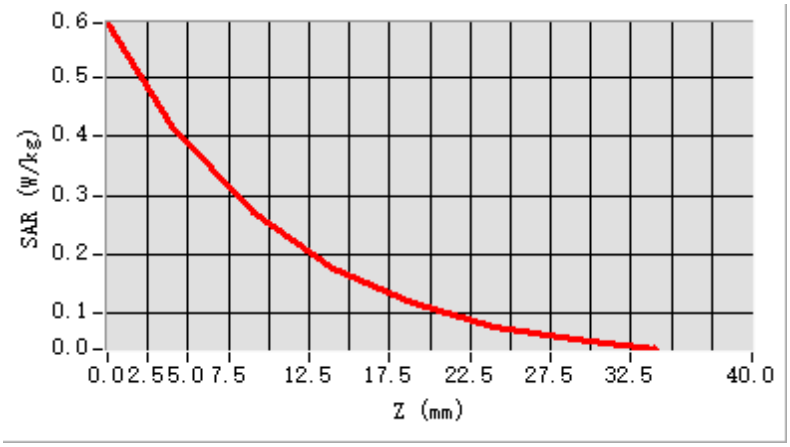
Maximum location: X=3.00, Y=-56.00 ; SAR Peak: 0.60 W/kg

D. SAR 1g & 10g

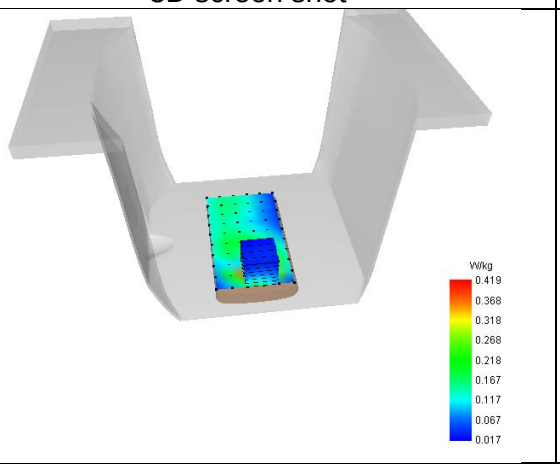
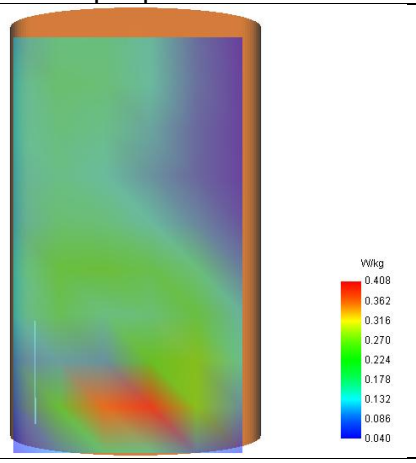
SAR 10g (W/Kg)	0.228
SAR 1g (W/Kg)	0.392
Variation (%)	-0.01
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	64.54

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.591	0.419	0.270	0.175	0.118	0.079	0.057



F. 3D Image

3D screen shot	Hot spot position
	

55# SAR Measurement at LTE band 18b (Cheek, Left)
Date of measurement: 24/3/2025

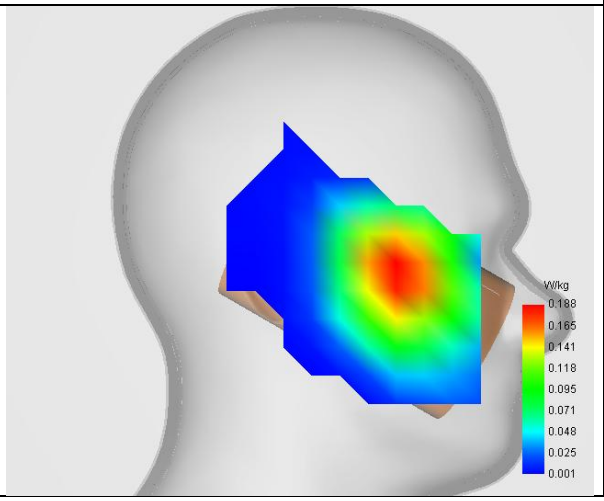
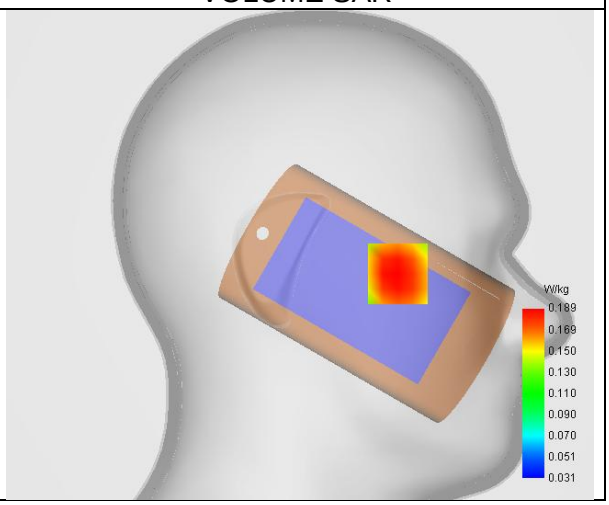
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.34
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 18
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23975)/ frequency 827.50 Mhz
Cell Bandwidth	5 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	827.50

B. Permitivity

Middle TX Frequency (MHz)	827.50
Relative permitivity (real part)	41.38
Relative permitivity (imaginary part)	19.12
Conductivity (S/m)	0.87

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

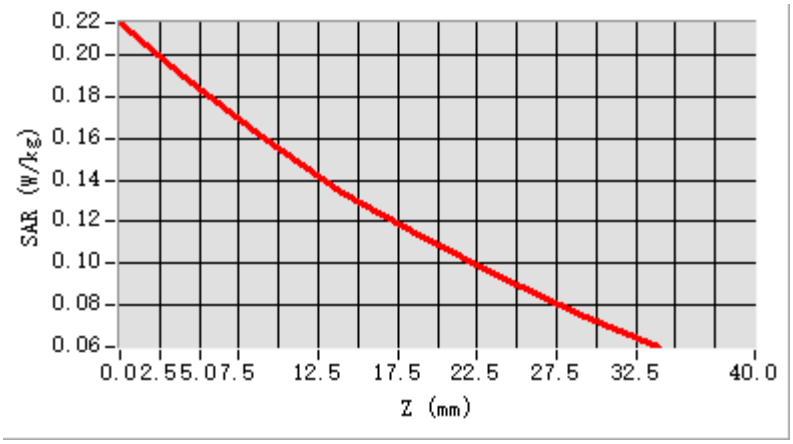
Maximum location: X=-52.00, Y=-10.00 ; SAR Peak: 0.22 W/kg

D. SAR 1g & 10g

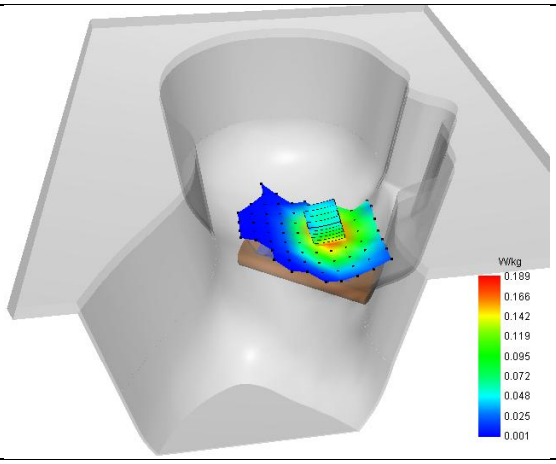
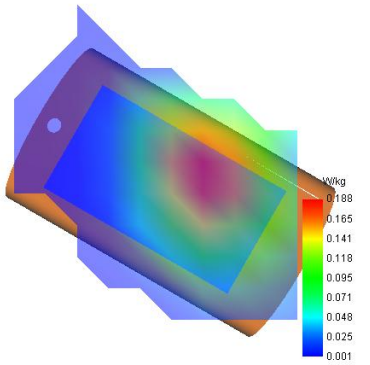
SAR 10g (W/Kg)	0.146
SAR 1g (W/Kg)	0.185
Variation (%)	-4.70
Horizontal validation criteria: minimum distance (mm)	10.57
Vertical validation criteria: SAR ratio M2/M1 (%)	54.15

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.215	0.189	0.161	0.134	0.113	0.093	0.075



F. 3D Image

3D screen shot	Hot spot position
	

56# SAR Measurement at LTE band 18b (Body, Validation Plane)
Date of measurement:24/3/2025

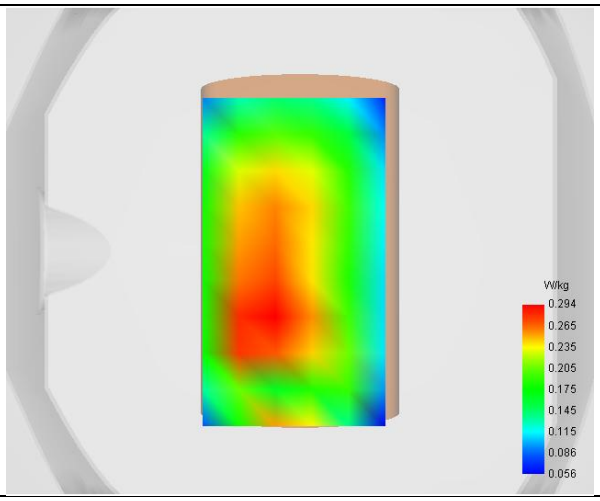
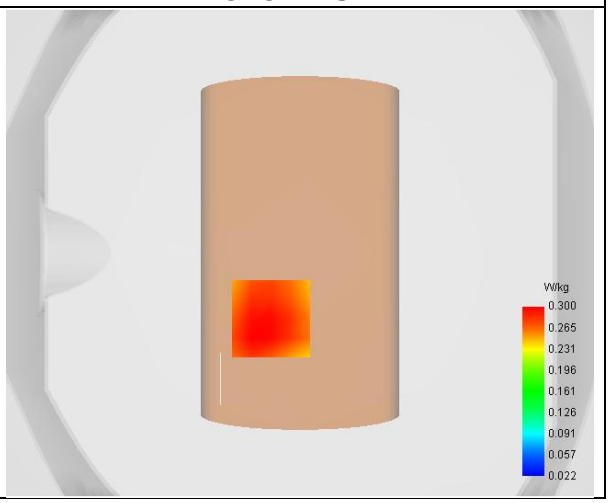
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.42
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 18
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (23095)/ frequency 827.50 Mhz
Cell Bandwidth	5 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	827.50

B. Permitivity

Middle TX Frequency (MHz)	827.50
Relative permitivity (real part)	41.39
Relative permitivity (imaginary part)	21.98
Conductivity (S/m)	0.86

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

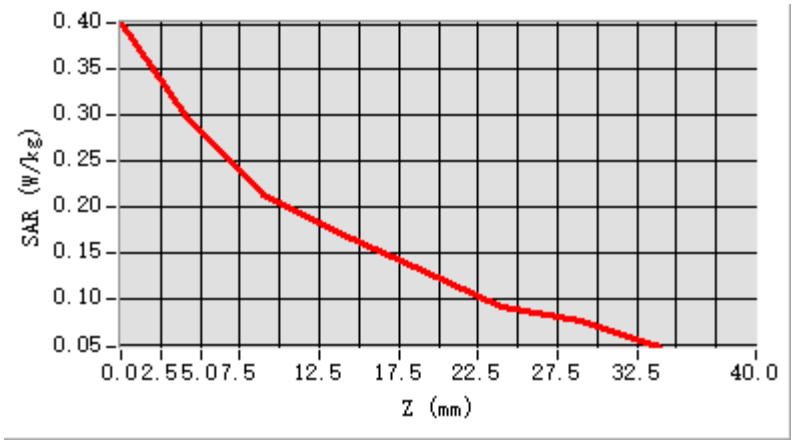
Maximum location: X=-12.00, Y=-27.00 ; SAR Peak: 0.38 W/kg

D. SAR 1g & 10g

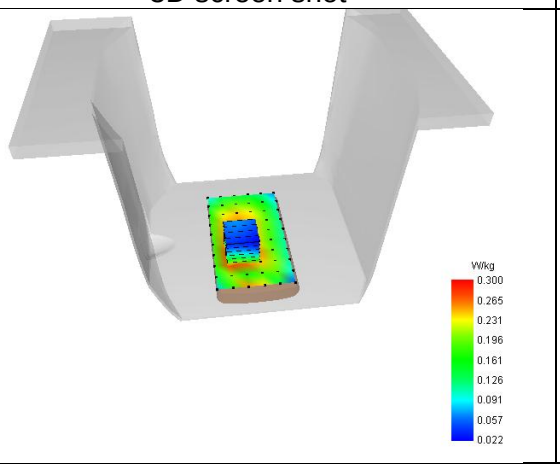
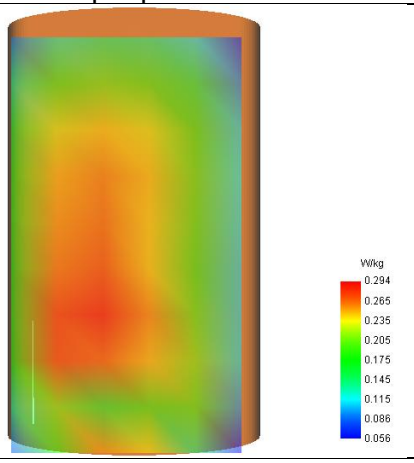
SAR 10g (W/Kg)	0.152
SAR 1g (W/Kg)	0.294
Variation (%)	-0.40
Horizontal validation criteria: minimum distance (mm)	11.25
Vertical validation criteria: SAR ratio M2/M1 (%)	41.58

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.401	0.300	0.213	0.170	0.130	0.092	0.075



F. 3D Image

3D screen shot	Hot spot position
	

57# SAR Measurement at LTE band 19 (Cheek, Left)
Date of measurement: 25/3/2025

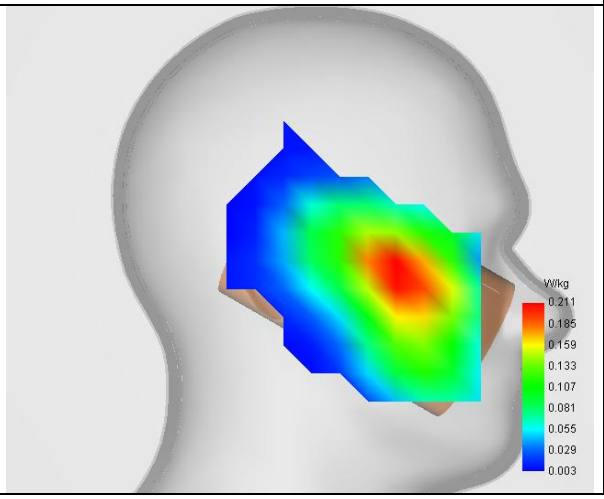
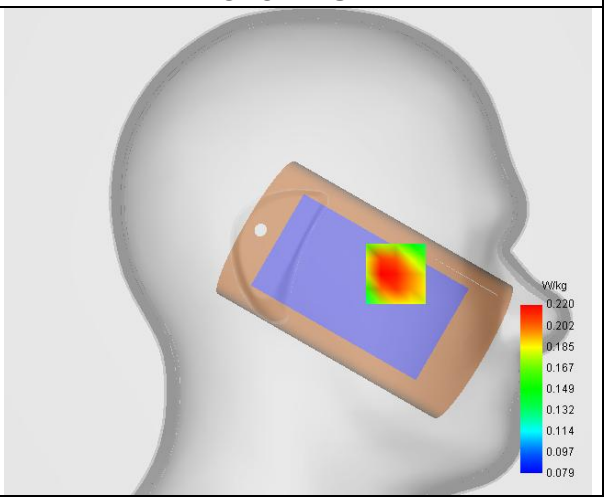
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.34
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 19
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (24075)/ frequency 837.50 Mhz
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	837.50

B. Permitivity

Middle TX Frequency (MHz)	837.50
Relative permitivity (real part)	41.12
Relative permitivity (imaginary part)	19.12
Conductivity (S/m)	0.89

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

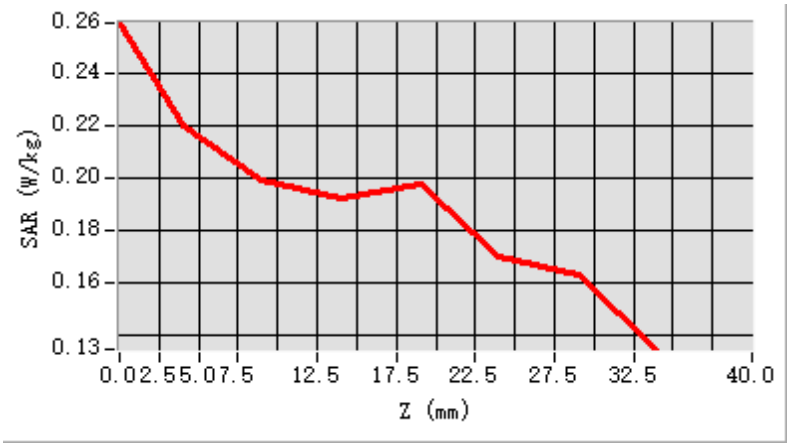
Maximum location: X=-52.00, Y=-12.00 ; SAR Peak: 0.26 W/kg

D. SAR 1g & 10g

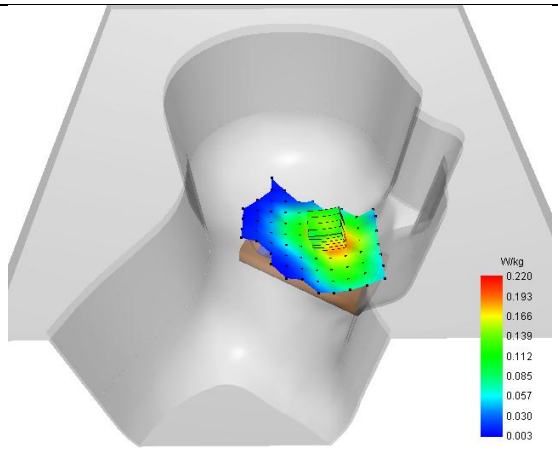
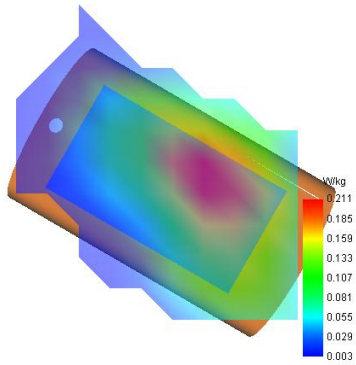
SAR 10g (W/Kg)	0.198
SAR 1g (W/Kg)	0.223
Variation (%)	-0.66
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	52.42

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.259	0.220	0.200	0.192	0.198	0.170	0.163



F. 3D Image

3D screen shot	Hot spot position
	

58# SAR Measurement at LTE band 19 (Body, Validation Plane)
Date of measurement: 25/3/2025

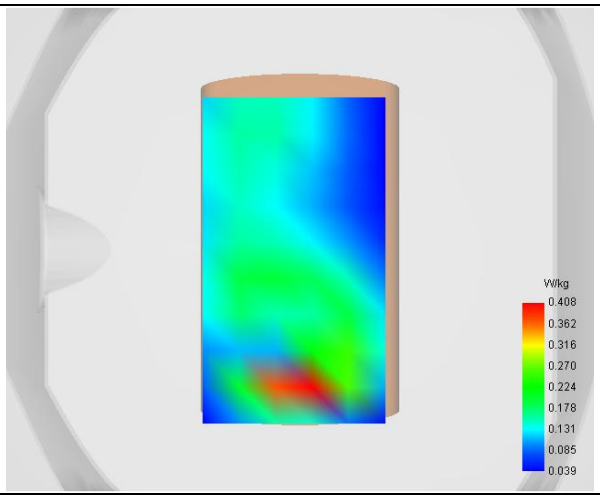
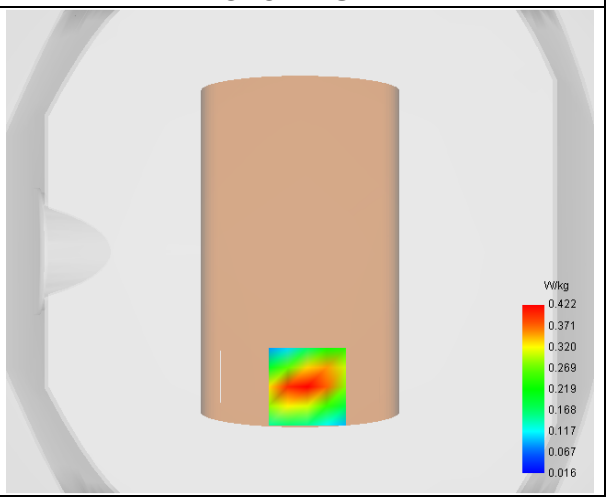
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.34
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 19
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (24075)/ frequency 837.50 Mhz
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	837.50

B. Permitivity

Middle TX Frequency (MHz)	837.50
Relative permitivity (real part)	41.12
Relative permitivity (imaginary part)	19.12
Conductivity (S/m)	0.89

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

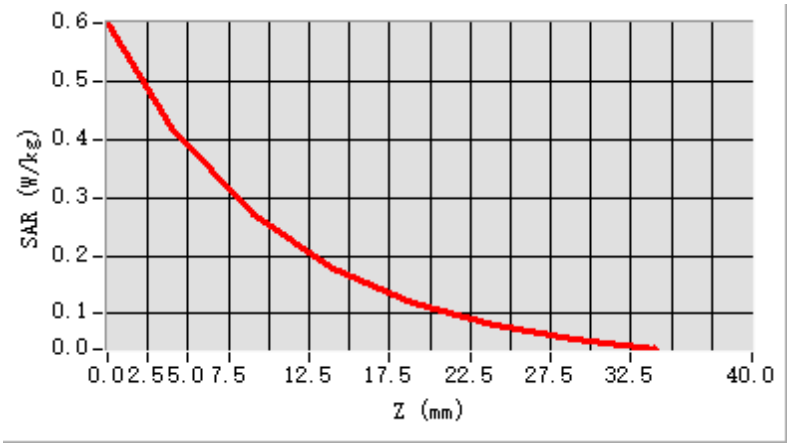
Maximum location: X=3.00, Y=-56.00 ; SAR Peak: 0.60 W/kg

D. SAR 1g & 10g

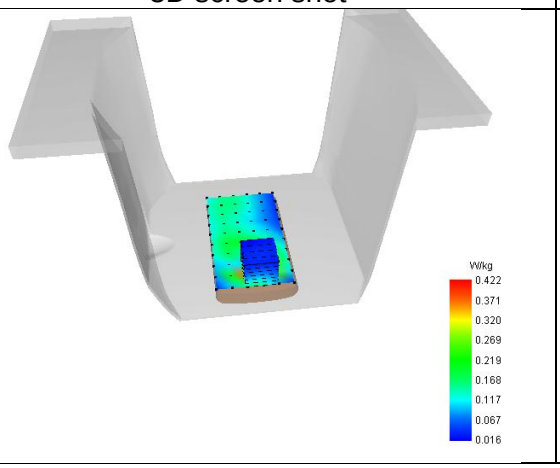
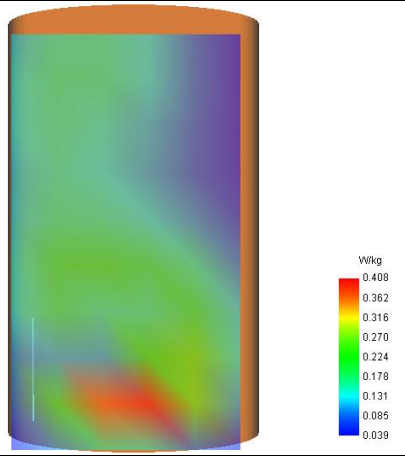
SAR 10g (W/Kg)	0.230
SAR 1g (W/Kg)	0.395
Variation (%)	-1.73
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	64.50

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.600	0.422	0.272	0.179	0.120	0.082	0.056



F. 3D Image

3D screen shot	Hot spot position
	

59# SAR Measurement at LTE band 25 (Cheek, Left)
Date of measurement: 27/3/2025

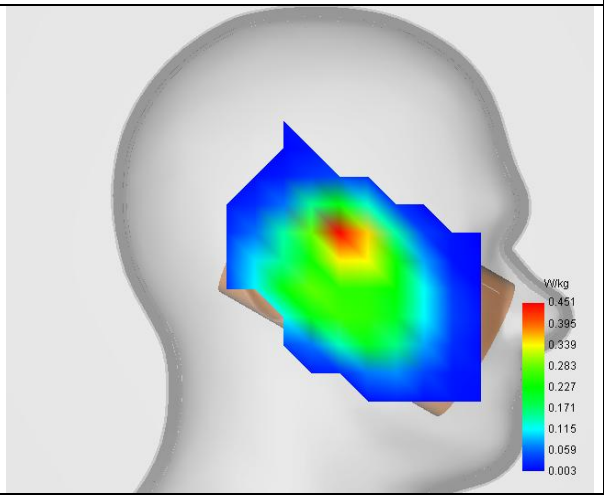
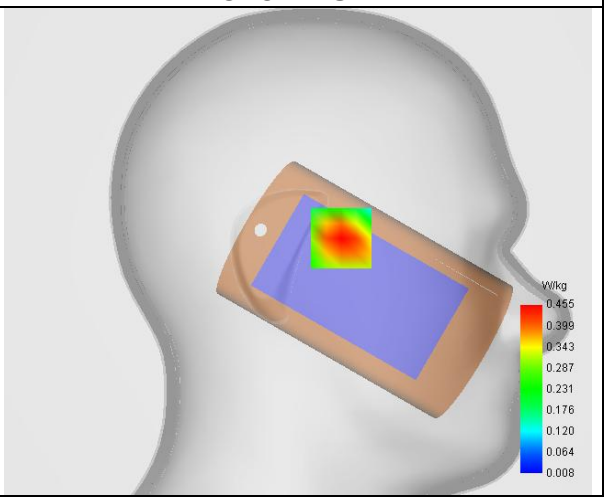
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.57
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 25
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (26365)/ frequency 1882.50 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1882.50

B. Permitivity

Middle TX Frequency (MHz)	1882.50
Relative permitivity (real part)	38.14
Relative permitivity (imaginary part)	13.54
Conductivity (S/m)	1.42

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

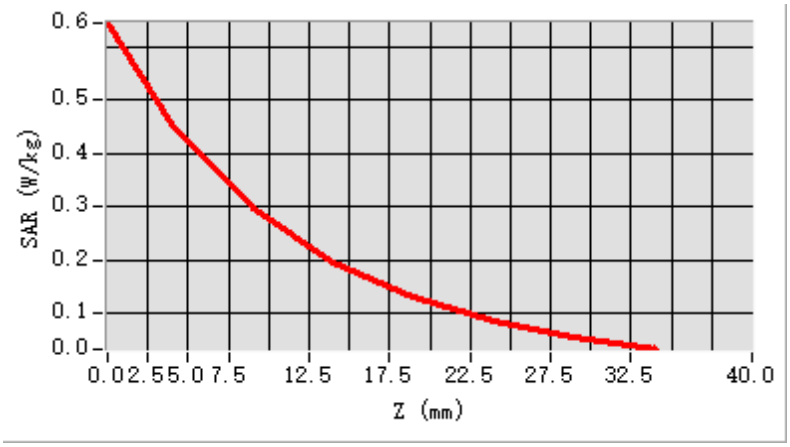
Maximum location: X=-23.00, Y=7.00 ; SAR Peak: 0.65 W/kg

D. SAR 1g & 10g

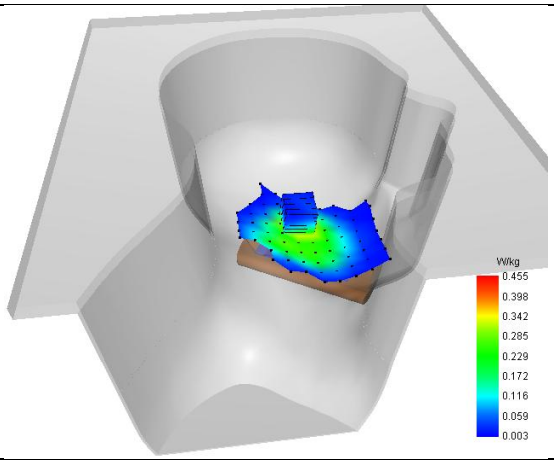
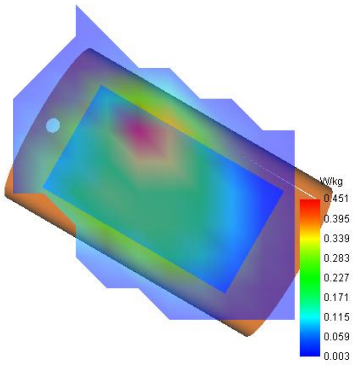
SAR 10g (W/Kg)	0.262
SAR 1g (W/Kg)	0.439
Variation (%)	0.83
Horizontal validation criteria: minimum distance (mm)	17.89
Vertical validation criteria: SAR ratio M2/M1 (%)	64.94

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.644	0.455	0.295	0.194	0.132	0.084	0.055



F. 3D Image

3D screen shot	Hot spot position
	

60# SAR Measurement at LTE band 25 (Body, Validation Plane)
Date of measurement: 27/3/2025

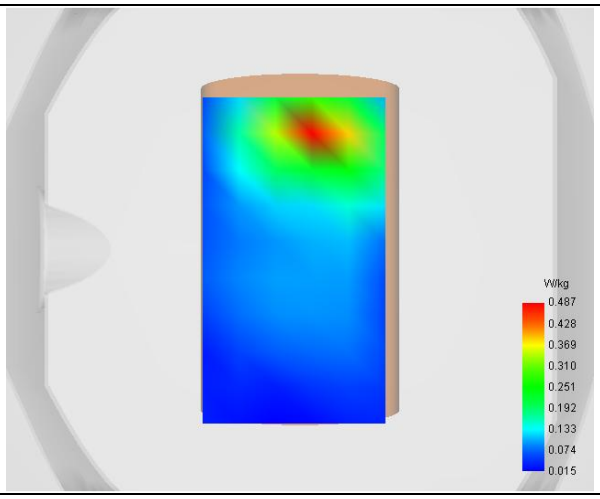
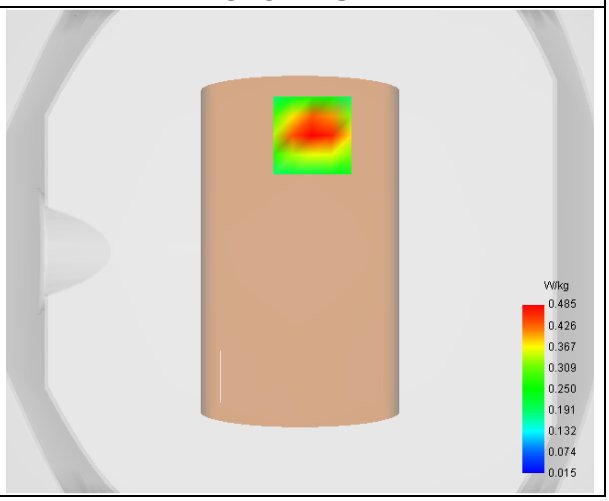
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.57
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 25
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (26365)/ frequency 1882.50 Mhz
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	1882.50

B. Permitivity

Middle TX Frequency (MHz)	1882.50
Relative permitivity (real part)	39.25
Relative permitivity (imaginary part)	13.84
Conductivity (S/m)	1.45

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

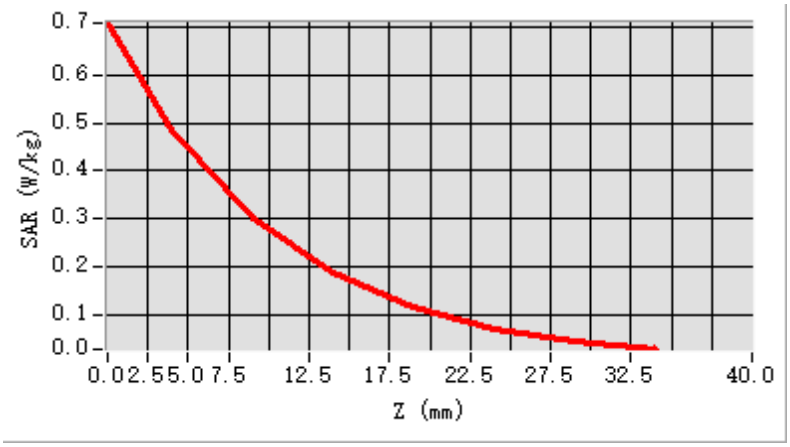
Maximum location: X=5.00, Y=48.00 ; SAR Peak: 0.73 W/kg

D. SAR 1g & 10g

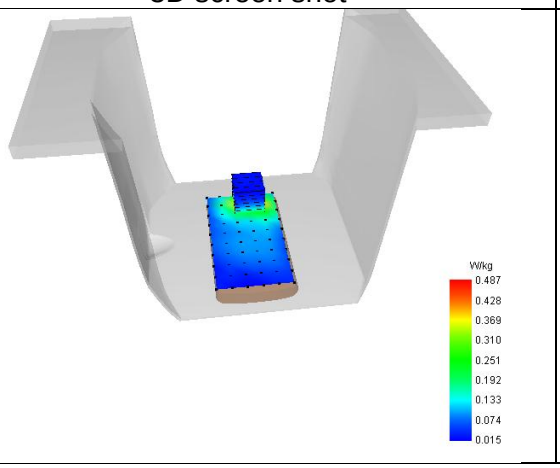
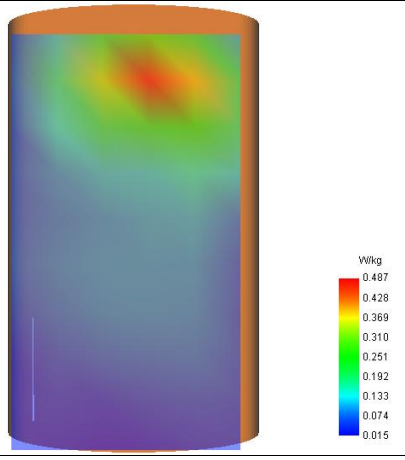
SAR 10g (W/Kg)	0.267
SAR 1g (W/Kg)	0.476
Variation (%)	-2.18
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	61.69

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.709	0.485	0.299	0.187	0.118	0.071	0.044



F. 3D Image

3D screen shot	Hot spot position
	

61# SAR Measurement at LTE band 26 (Cheek, Left)
Date of measurement: 25/3/2025

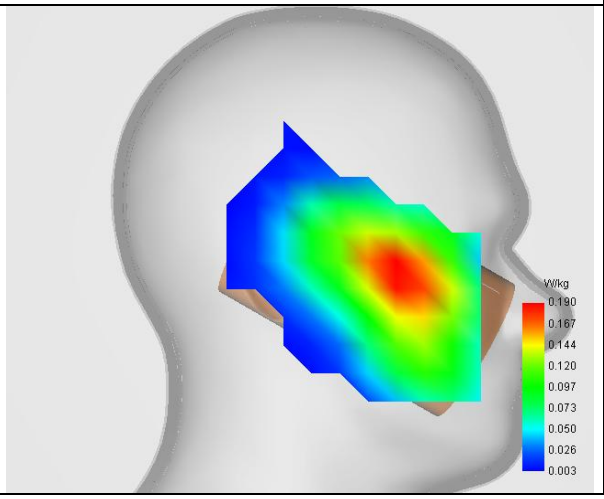
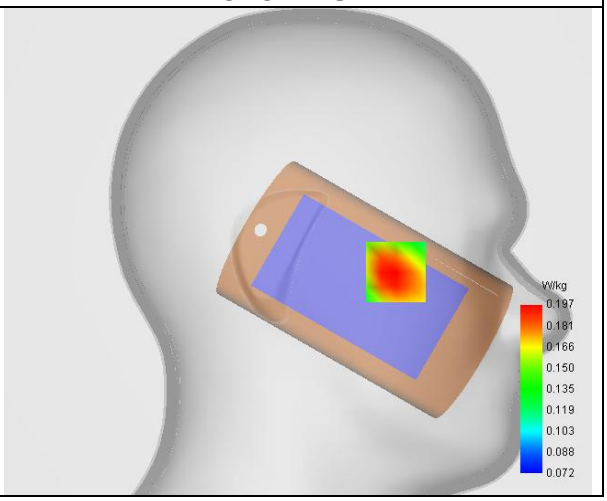
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.34
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 26
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (26865)/ frequency 831.50 Mhz
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	831.50

B. Permitivity

Middle TX Frequency (MHz)	831.50
Relative permitivity (real part)	41.17
Relative permitivity (imaginary part)	19.13
Conductivity (S/m)	0.88

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

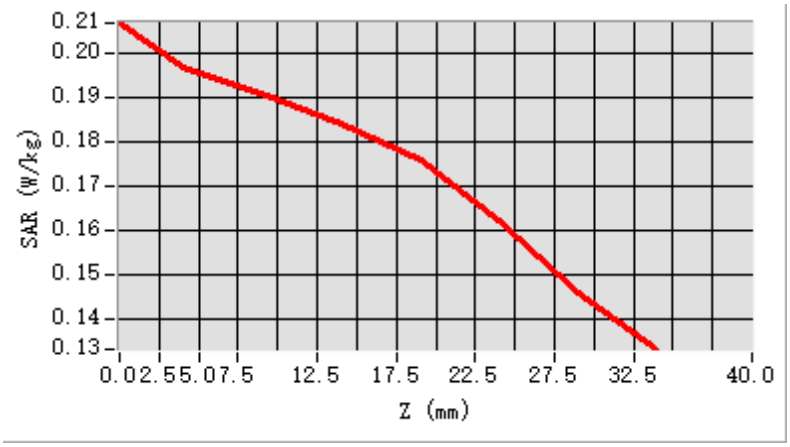
Maximum location: X=-52.00, Y=-11.00 ; SAR Peak: 0.22 W/kg

D. SAR 1g & 10g

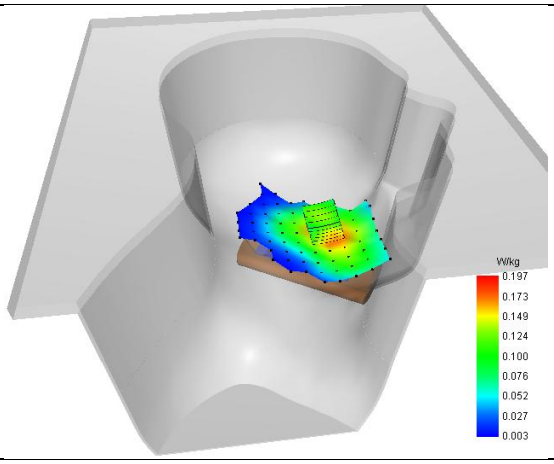
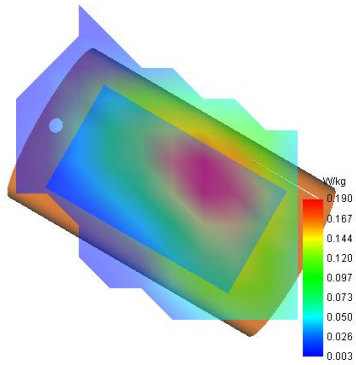
SAR 10g (W/Kg)	0.177
SAR 1g (W/Kg)	0.198
Variation (%)	-2.70
Horizontal validation criteria: minimum distance (mm)	15.25
Vertical validation criteria: SAR ratio M2/M1 (%)	52.24

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.207	0.197	0.191	0.184	0.176	0.163	0.146



F. 3D Image

3D screen shot	Hot spot position
	

62# SAR Measurement at LTE band 26 (Body, Validation Plane)
Date of measurement: 25/3/2025

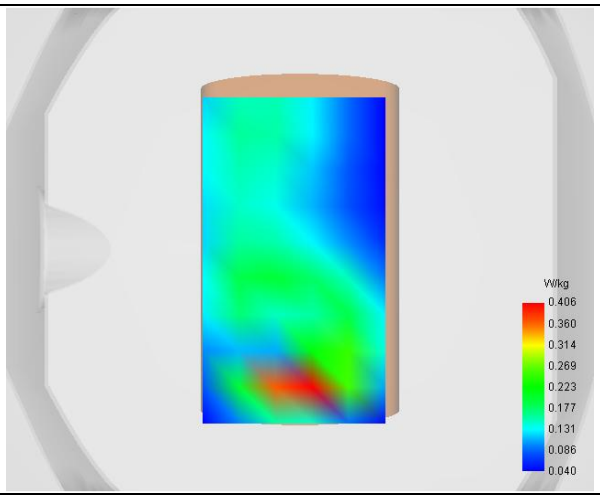
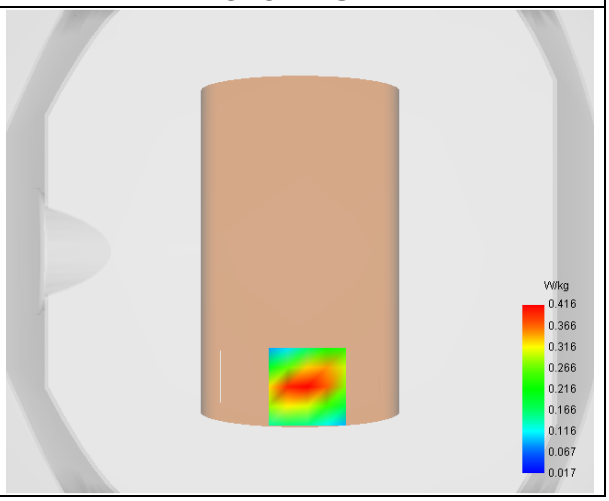
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.34
Area Scan	dx=15mm dy=15mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 26
Signal	LTE FDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (26865)/ frequency 831.50 Mhz
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
Middle TX Frequency (MHz)	831.50

B. Permitivity

Middle TX Frequency (MHz)	831.50
Relative permitivity (real part)	41.17
Relative permitivity (imaginary part)	19.13
Conductivity (S/m)	0.88

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

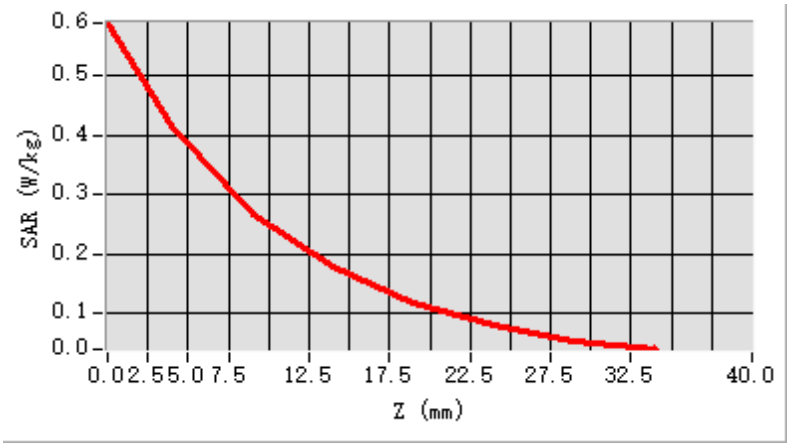
Maximum location: X=3.00, Y=-56.00 ; SAR Peak: 0.60 W/kg

D. SAR 1g & 10g

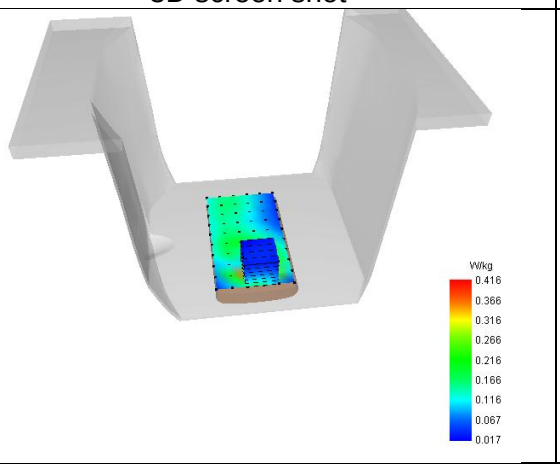
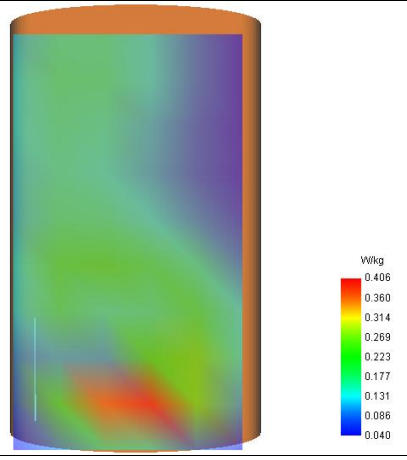
SAR 10g (W/Kg)	0.227
SAR 1g (W/Kg)	0.391
Variation (%)	0.69
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	64.61

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.590	0.416	0.269	0.177	0.117	0.082	0.054



F. 3D Image

3D screen shot	Hot spot position
	

63# SAR Measurement at LTE band 38 (Cheek, Left)
Date of measurement: 29/3/2025

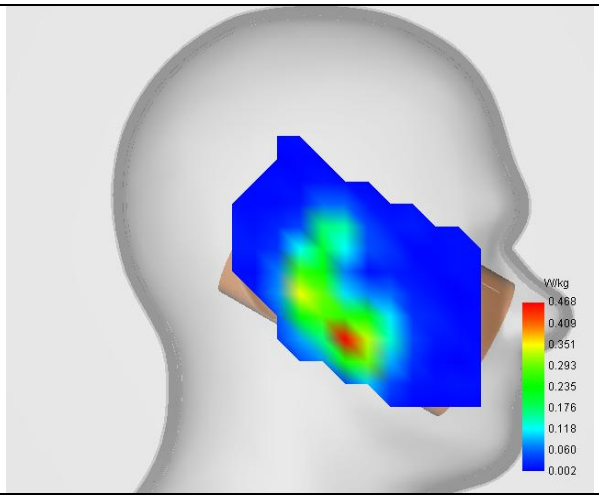
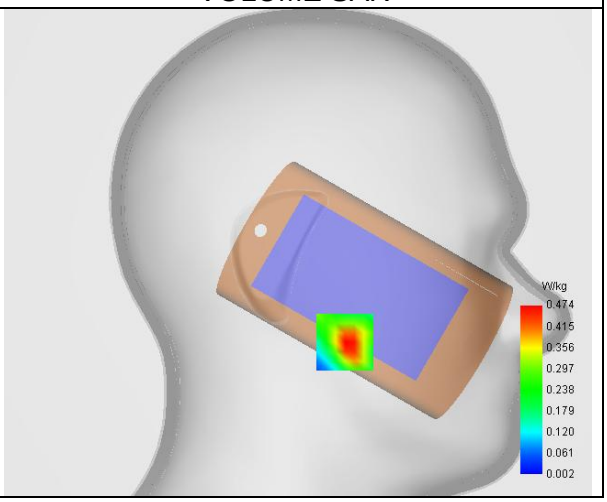
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.51
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	NR band 38
Signal	NR TDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (519000)/ frequency 2595.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
Middle TX Frequency (MHz)	2595.00
pattern/periodicity/DL Dur/DL Sym/UL Dur/UL Sym/CG Sym	not Specified

B. Permitivity

Middle TX Frequency (MHz)	2595.00
Relative permitivity (real part)	39.85
Relative permitivity (imaginary part)	13.58
Conductivity (S/m)	1.96

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

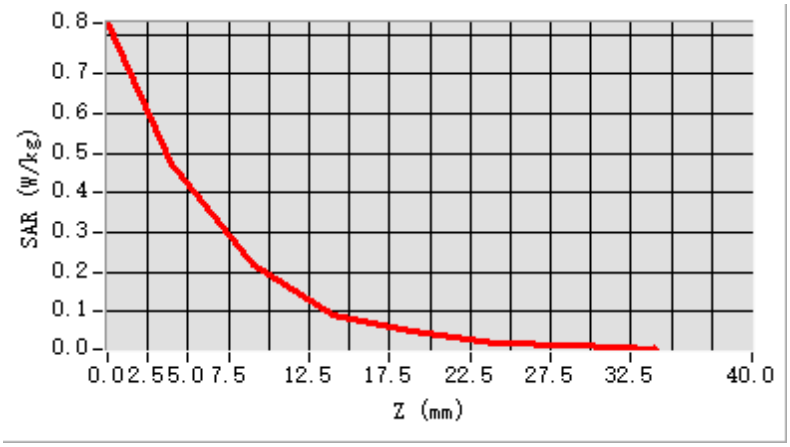
Maximum location: X=-25.00, Y=-48.00 ; SAR Peak: 0.83 W/kg

D. SAR 1g & 10g

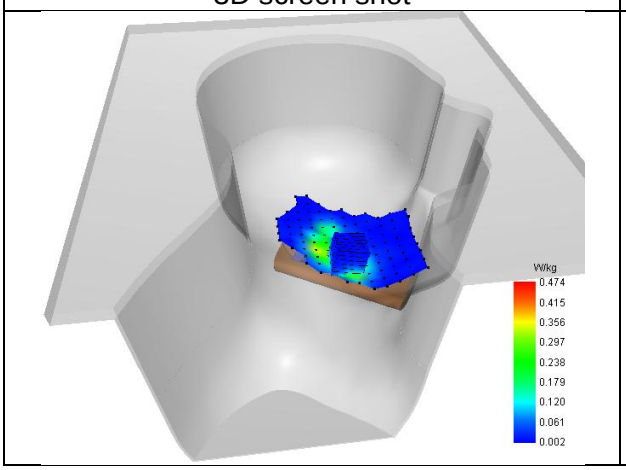
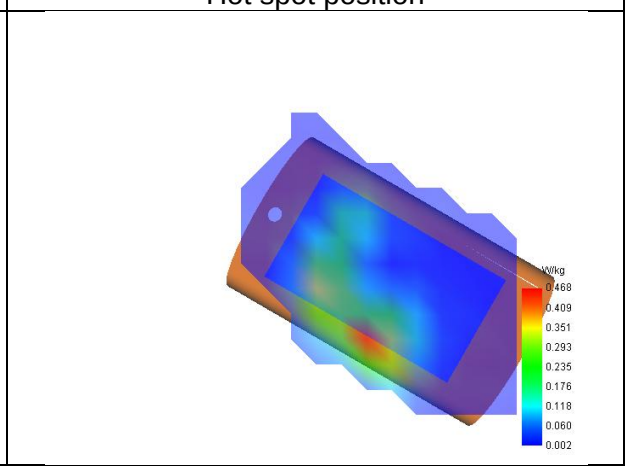
SAR 10g (W/Kg)	0.193
SAR 1g (W/Kg)	0.442
Variation (%)	-0.08
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	45.90

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.829	0.474	0.218	0.091	0.048	0.020	0.016



F. 3D Image

3D screen shot	Hot spot position
	

64# SAR Measurement at LTE band 38 (Body, Validation Plane)
Date of measurement: 29/3/2025

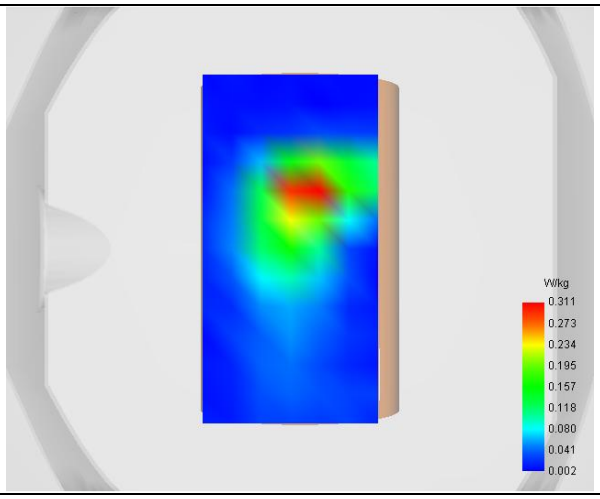
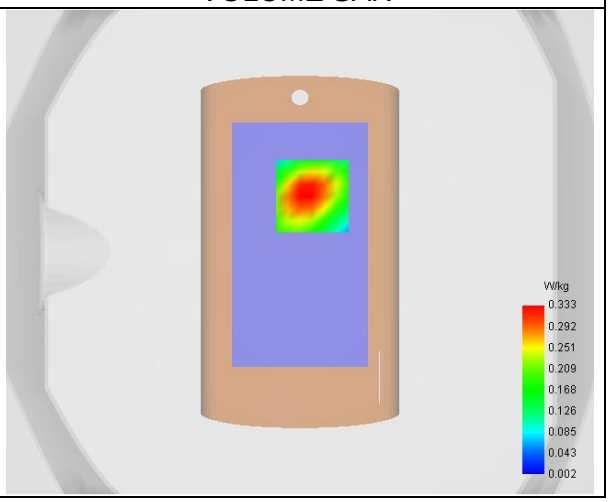
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.51
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	NR band 38
Signal	NR TDD
Channel Center [EARFCN] / Channel Center [MHz]	Middle (519000)/ frequency 2595.00 Mhz
Cell Bandwidth	20 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
Middle TX Frequency (MHz)	2595.00
pattern/periodicity/DL Dur/DL Sym/UL Dur/UL Sym/CG Sym	not Specified

B. Permitivity

Middle TX Frequency (MHz)	2595.00
Relative permitivity (real part)	39.85
Relative permitivity (imaginary part)	13.58
Conductivity (S/m)	1.96

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

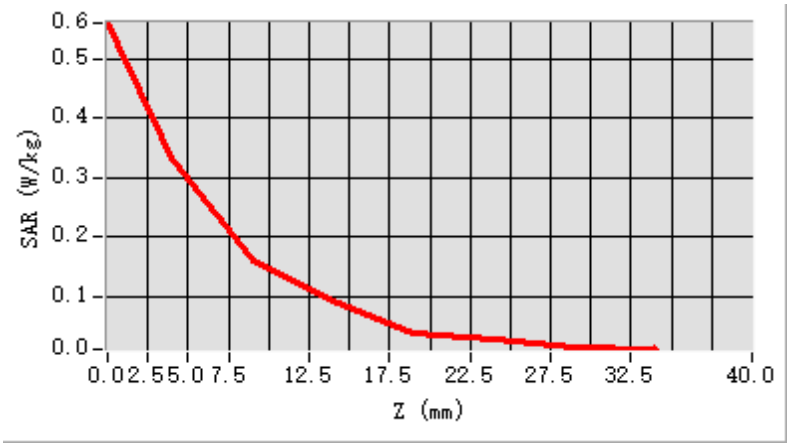
Maximum location: X=5.00, Y=23.00 ; SAR Peak: 0.54 W/kg

D. SAR 1g & 10g

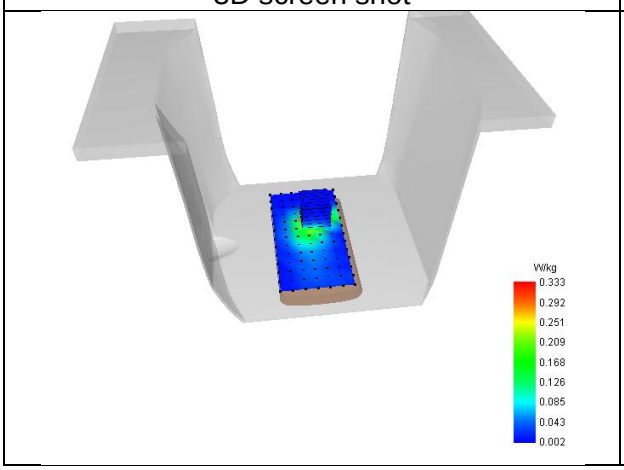
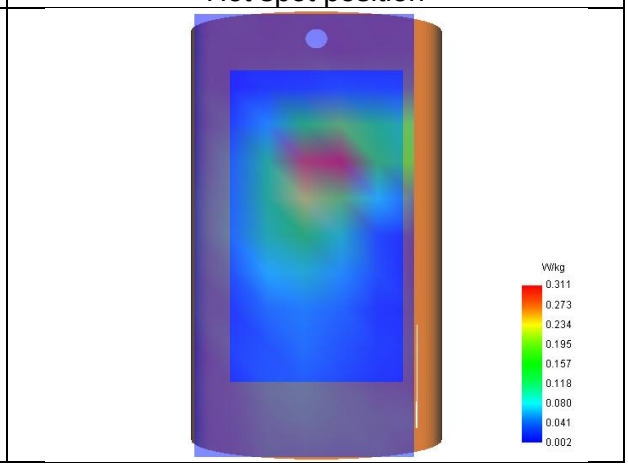
SAR 10g (W/Kg)	0.155
SAR 1g (W/Kg)	0.313
Variation (%)	-1.78
Horizontal validation criteria: minimum distance (mm)	14.14
Vertical validation criteria: SAR ratio M2/M1 (%)	53.37

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.560	0.333	0.160	0.095	0.038	0.028	0.016



F. 3D Image

3D screen shot	Hot spot position
	

65# SAR Measurement at LTE band 41 (Cheek, Left)
Date of measurement: 29/3/2025

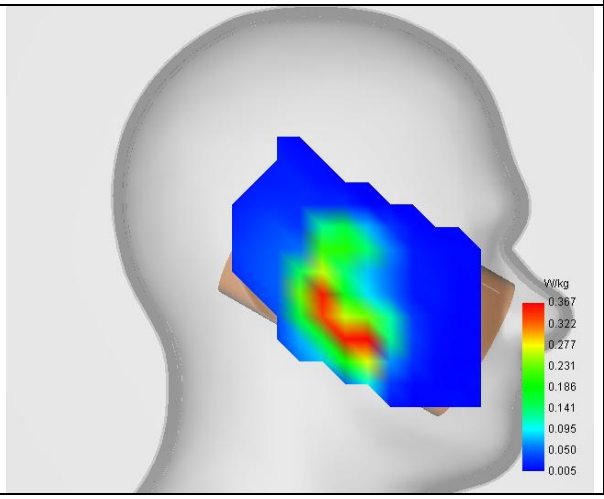
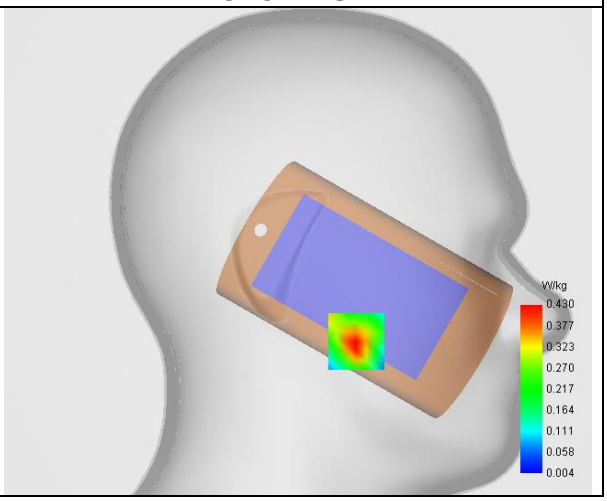
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.51
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. Permitivity

Middle TX Frequency (MHz)	2593.00
Relative permitivity (real part)	39.93
Relative permitivity (imaginary part)	13.53
Conductivity (S/m)	1.95

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

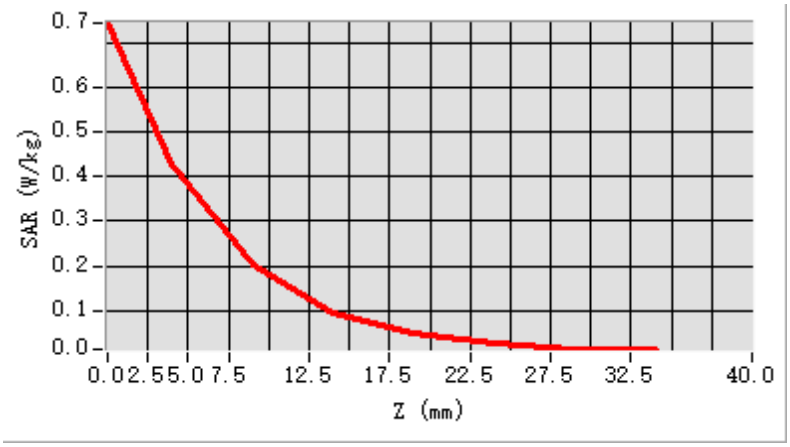
Maximum location: X=-31.00, Y=-48.00 ; SAR Peak: 0.75 W/kg

D. SAR 1g & 10g

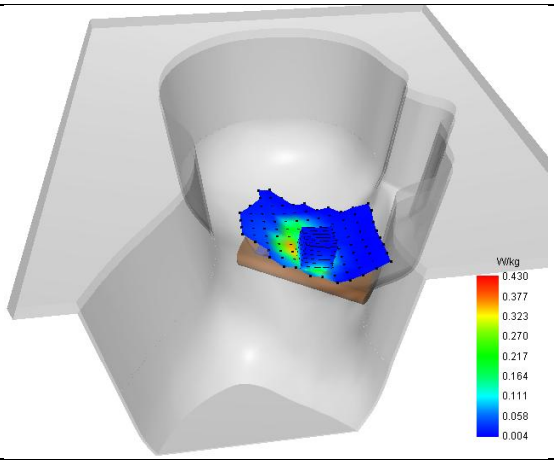
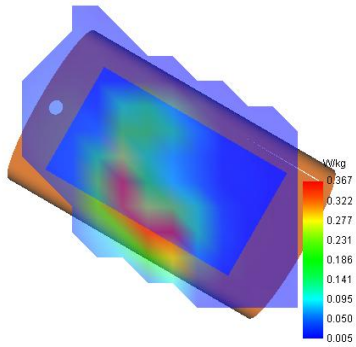
SAR 10g (W/Kg)	0.171
SAR 1g (W/Kg)	0.394
Variation (%)	0.05
Horizontal validation criteria: minimum distance (mm)	11.18
Vertical validation criteria: SAR ratio M2/M1 (%)	47.37

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.744	0.430	0.204	0.096	0.048	0.024	0.014



F. 3D Image

3D screen shot	Hot spot position
	

66# SAR Measurement at LTE band 41 (Body, Validation Plane)
Date of measurement: 29/3/2025

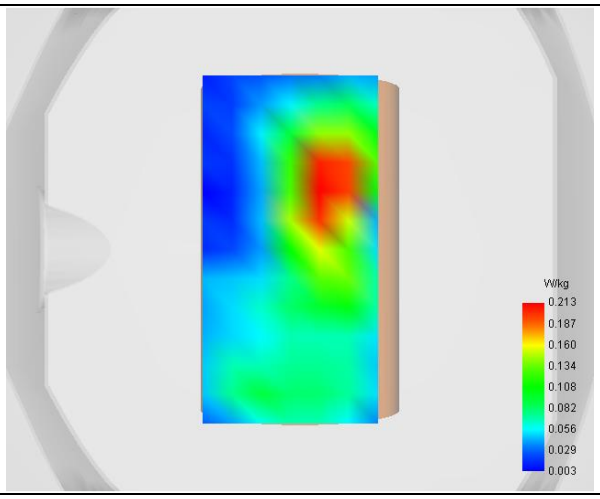
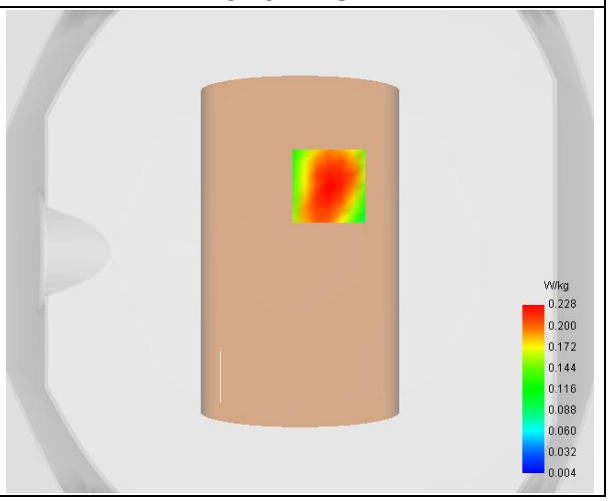
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.51
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. Permitivity

Middle TX Frequency (MHz)	2593.00
Relative permitivity (real part)	39.93
Relative permitivity (imaginary part)	13.53
Conductivity (S/m)	1.95

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

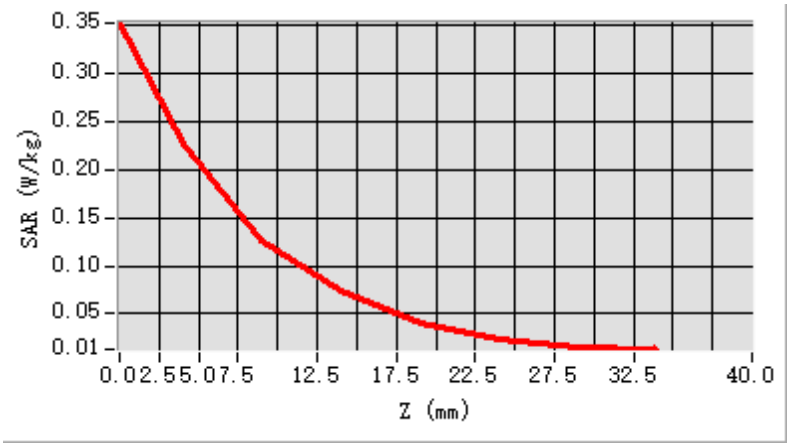
Maximum location: X=12.00, Y=27.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

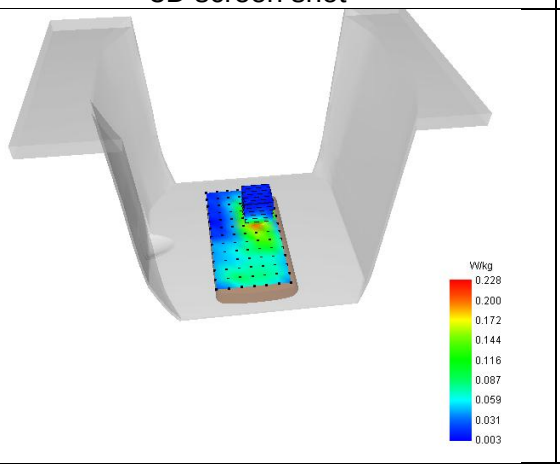
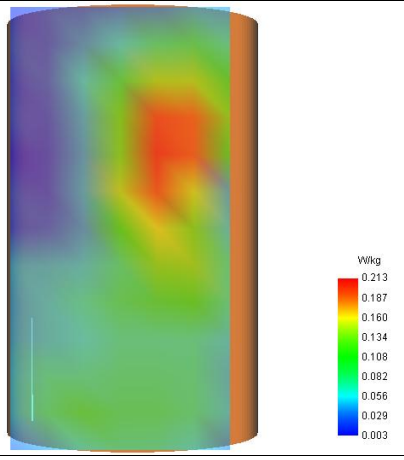
SAR 10g (W/Kg)	0.121
SAR 1g (W/Kg)	0.215
Variation (%)	-4.41
Horizontal validation criteria: minimum distance (mm)	18.03
Vertical validation criteria: SAR ratio M2/M1 (%)	55.94

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.353	0.228	0.127	0.073	0.040	0.024	0.015



F. 3D Image

3D screen shot	Hot spot position
	

67# SAR Measurement at LTE band 66 (Cheek, Left)
Date of measurement: 26/3/2025

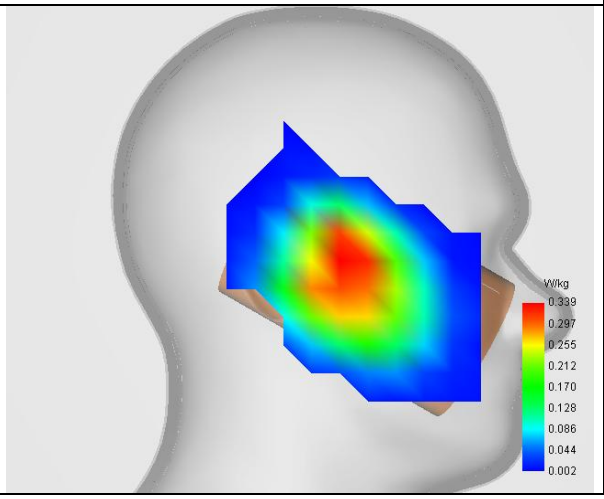
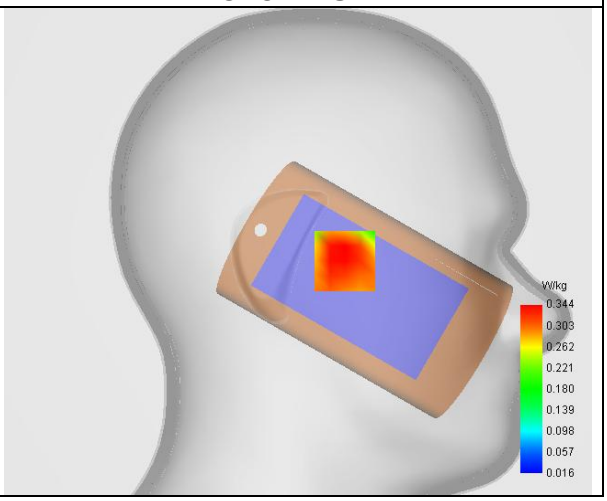
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.51
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. Permitivity

Middle TX Frequency (MHz)	1745.00
Relative permitivity (real part)	39.16
Relative permitivity (imaginary part)	13.58
Conductivity (S/m)	1.32

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

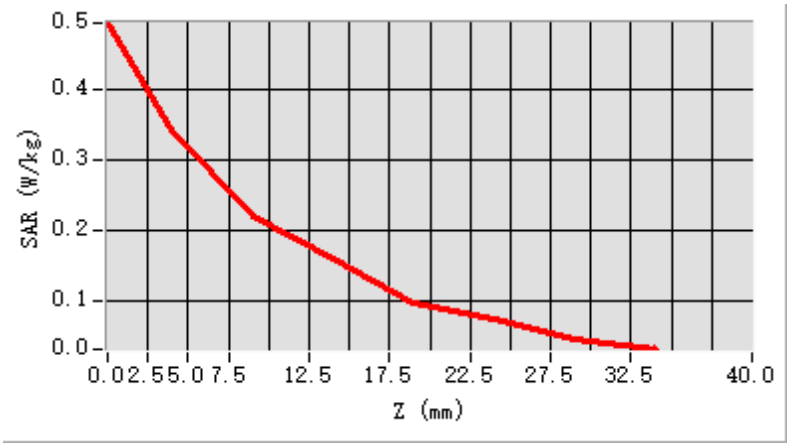
Maximum location: X=-25.00, Y=-5.00 ; SAR Peak: 0.51 W/kg

D. SAR 1g & 10g

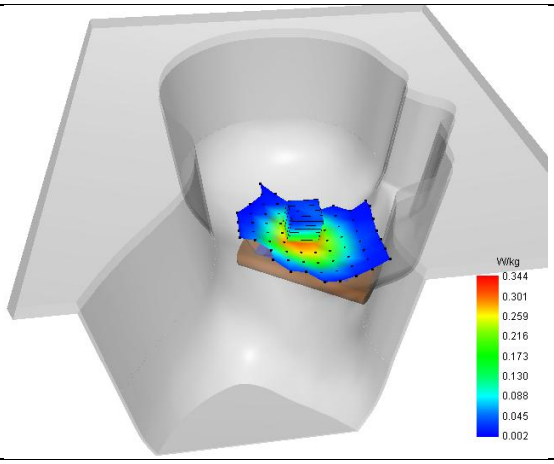
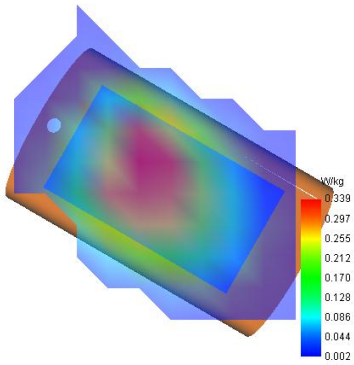
SAR 10g (W/Kg)	0.219
SAR 1g (W/Kg)	0.343
Variation (%)	-1.69
Horizontal validation criteria: minimum distance (mm)	0.00
Vertical validation criteria: SAR ratio M2/M1 (%)	0.00

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.495	0.344	0.220	0.162	0.100	0.077	0.046



F. 3D Image

3D screen shot	Hot spot position
	

68# SAR Measurement at LTE band 66 (Body, Validation Plane)
Date of measurement: 26/3/2025

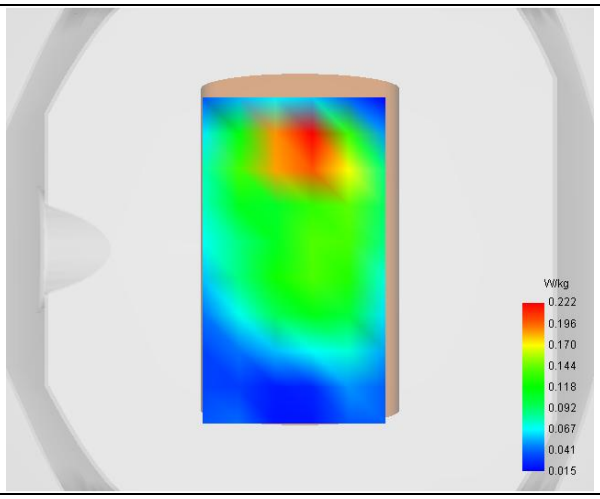
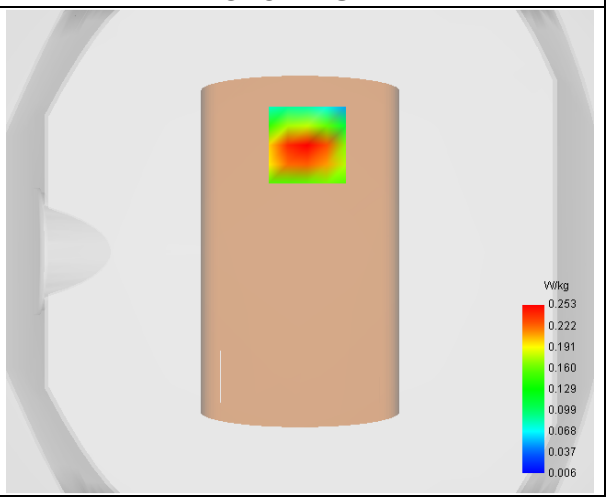
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.51
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. Permitivity

Middle TX Frequency (MHz)	1745.00
Relative permitivity (real part)	39.16
Relative permitivity (imaginary part)	13.58
Conductivity (S/m)	1.32

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

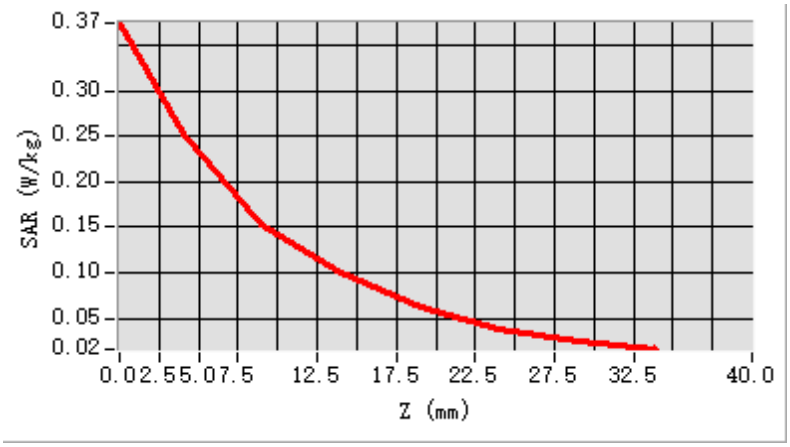
Maximum location: X=3.00, Y=44.00 ; SAR Peak: 0.37 W/kg

D. SAR 1g & 10g

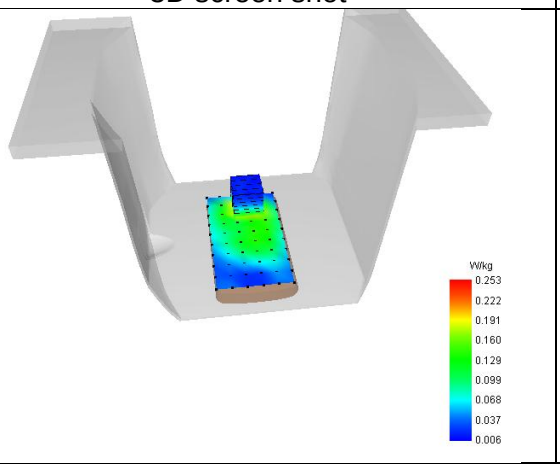
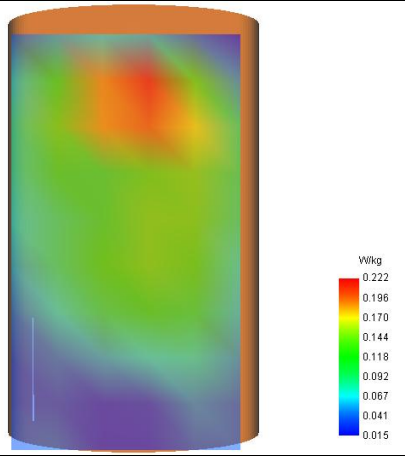
SAR 10g (W/Kg)	0.139
SAR 1g (W/Kg)	0.240
Variation (%)	0.14
Horizontal validation criteria: minimum distance (mm)	16.00
Vertical validation criteria: SAR ratio M2/M1 (%)	61.04

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.375	0.253	0.154	0.099	0.063	0.038	0.024



F. 3D Image

3D screen shot	Hot spot position
	

69# SAR Measurement at NR band 77 (Cheek, Left)
Date of measurement: 24/2/2025

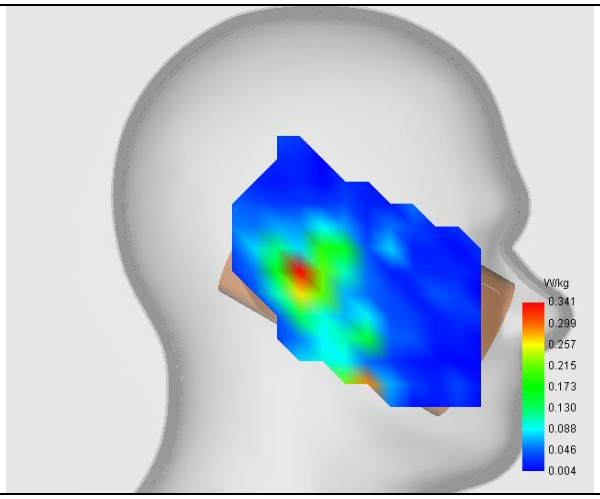
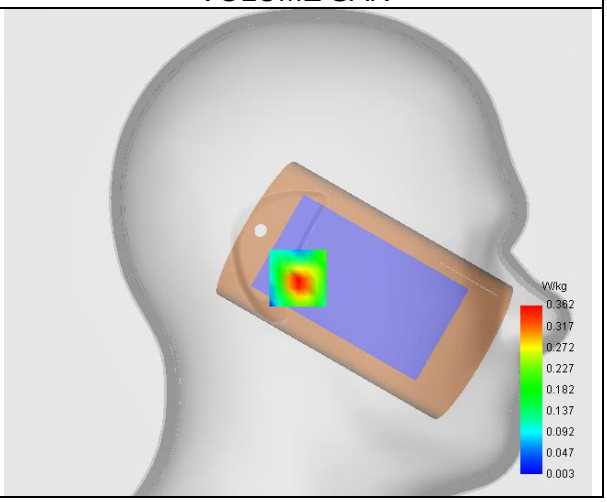
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.08
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	NR band 77
Signal	NR TDD
Channel Center [NR-ARFCN] / Channel Center [MHz]	Middle (650000)/ frequency 3500.00 Mhz
Cell Bandwidth	100 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
Middle TX Frequency (MHz)	3500.00
pattern/periodicity/DL Dur/DL Sym/UL Dur/UL Sym/CG Sym	not Specified

B. Permitivity

Middle TX Frequency (MHz)	3500.00
Relative permitivity (real part)	36.57
Relative permitivity (imaginary part)	15.08
Conductivity (S/m)	3.16

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

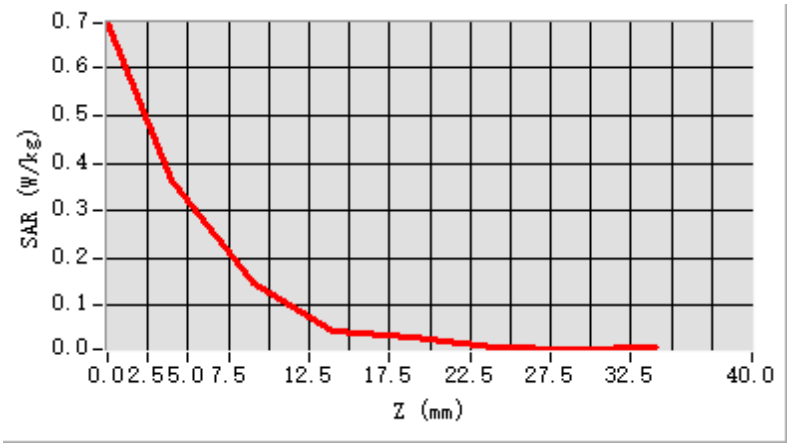
Maximum location: X=0.00, Y=-14.00 ; SAR Peak: 0.68 W/kg

D. SAR 1g & 10g

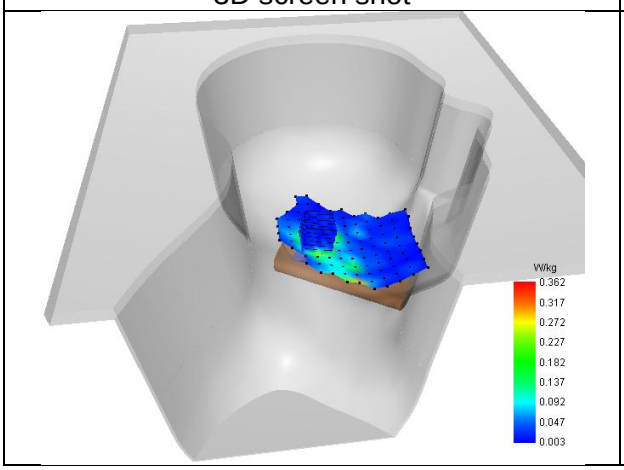
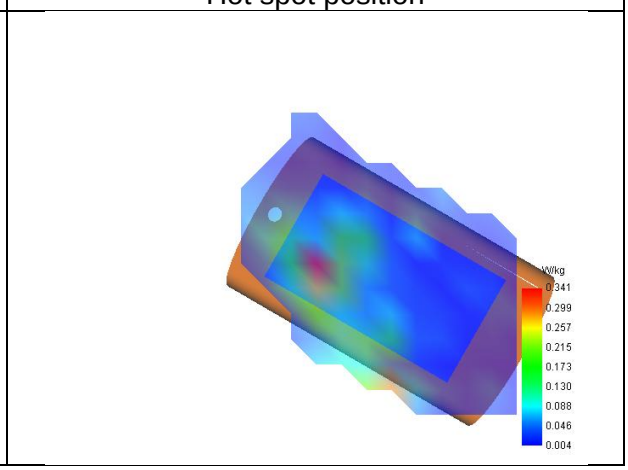
SAR 10g (W/Kg)	0.137
SAR 1g (W/Kg)	0.333
Variation (%)	0.57
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	42.88

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.694	0.362	0.150	0.045	0.036	0.012	0.009



F. 3D Image

3D screen shot	Hot spot position
	

70# SAR Measurement at NR band 77 (Body, Validation Plane)
Date of measurement: 24/2/2025

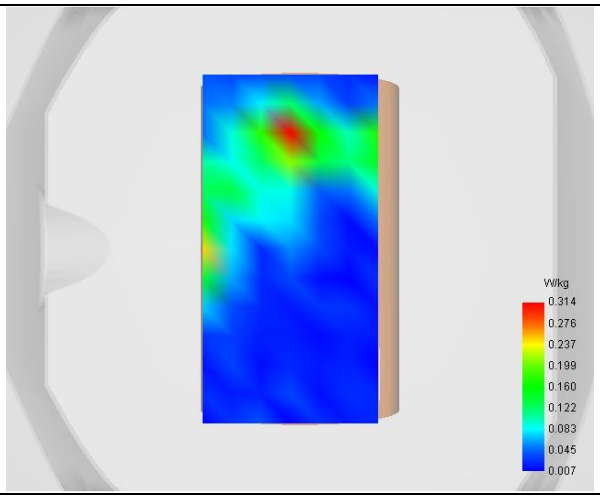
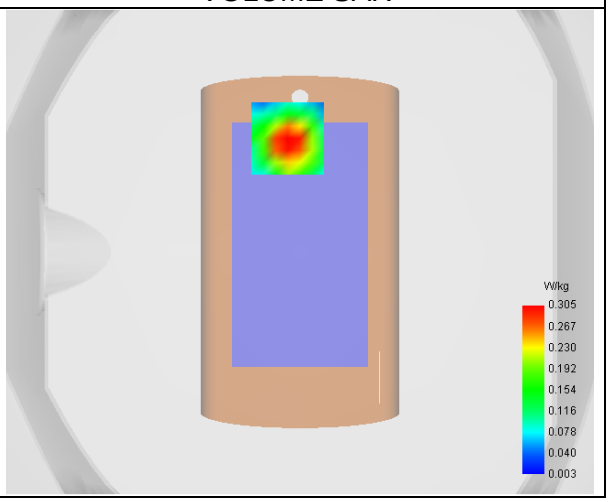
A. Experimental conditions.

Probe	4024-EPGO-442
ConvF	2.08
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	NR band 77
Signal	NR TDD
Channel Center [NR-ARFCN] / Channel Center [MHz]	Middle (650000)/ frequency 3500.00 Mhz
Cell Bandwidth	100 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
Middle TX Frequency (MHz)	3500.00
pattern/periodicity/DL Dur/DL Sym/UL Dur/UL Sym/CG Sym	not Specified

B. Permitivity

Middle TX Frequency (MHz)	3500.00
Relative permitivity (real part)	36.57
Relative permitivity (imaginary part)	15.08
Conductivity (S/m)	3.16

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

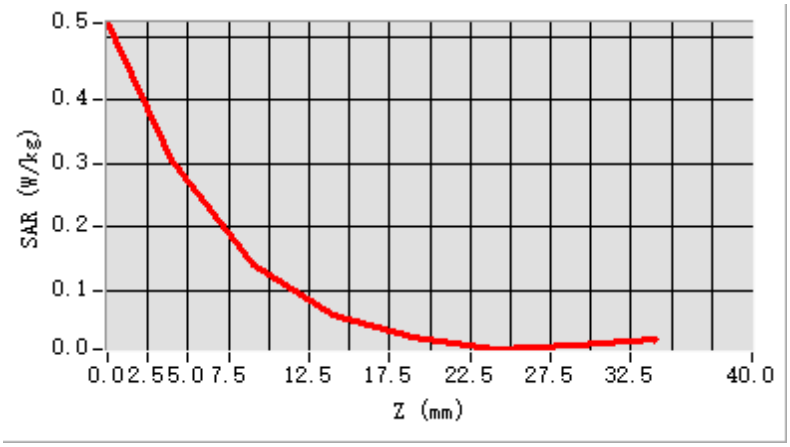
Maximum location: X=-5.00, Y=47.00 ; SAR Peak: 0.59 W/kg

D. SAR 1g & 10g

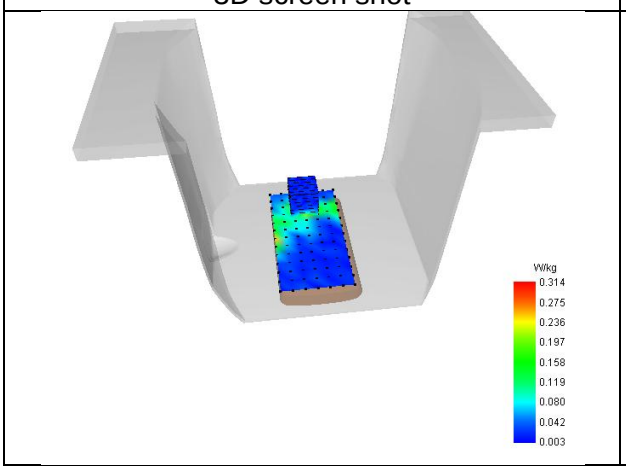
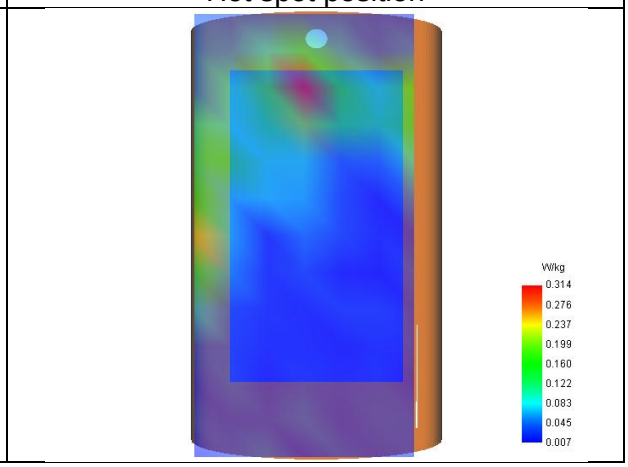
SAR 10g (W/Kg)	0.120
SAR 1g (W/Kg)	0.288
Variation (%)	3.83
Horizontal validation criteria: minimum distance (mm)	10.00
Vertical validation criteria: SAR ratio M2/M1 (%)	46.22

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.522	0.305	0.141	0.060	0.025	0.007	0.013



F. 3D Image

3D screen shot	Hot spot position
	

14. Appendix D. Calibration Certificate

Table of contents
E Field Probe - 4024-EPGO-442
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

Docusign Envelope ID: 223C1A7C-4751-4B95-8502-1618DC0951E3

COMOSAR E-Field Probe Calibration Report

Ref : ACR.278.12.24.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.: 4024-EPGO-442

Calibrated at MVG

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

Calibration date: 10/04/2024

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).