

**System Performance Check Data (5200MHz)**

Type: Phone measurement (Complete)

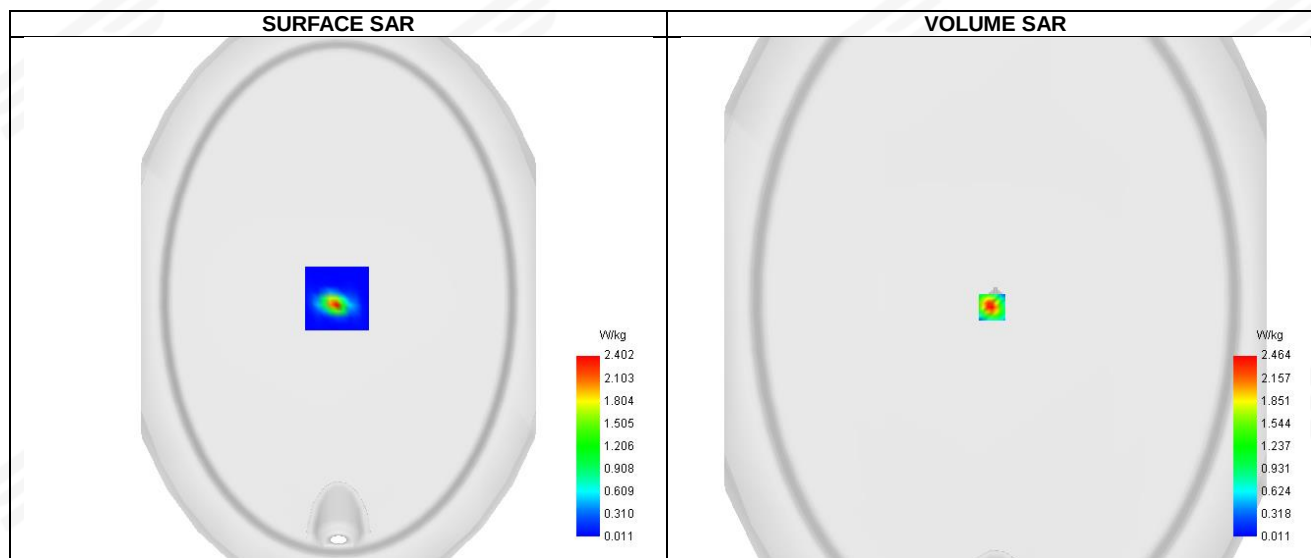
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-12-05

Experimental conditions.

Device Position	Validation plane
Band	5200 MHz
Channels	-
Signal	CW
Frequency (MHz)	5200
Relative permittivity	36.21
Conductivity (S/m)	4.64
Probe	SN 08/21 EPGO352
ConvF	1.37
Crest factor:	1:1



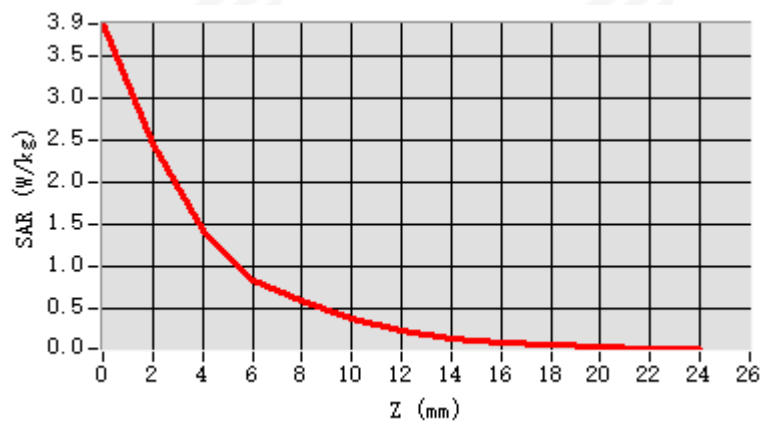
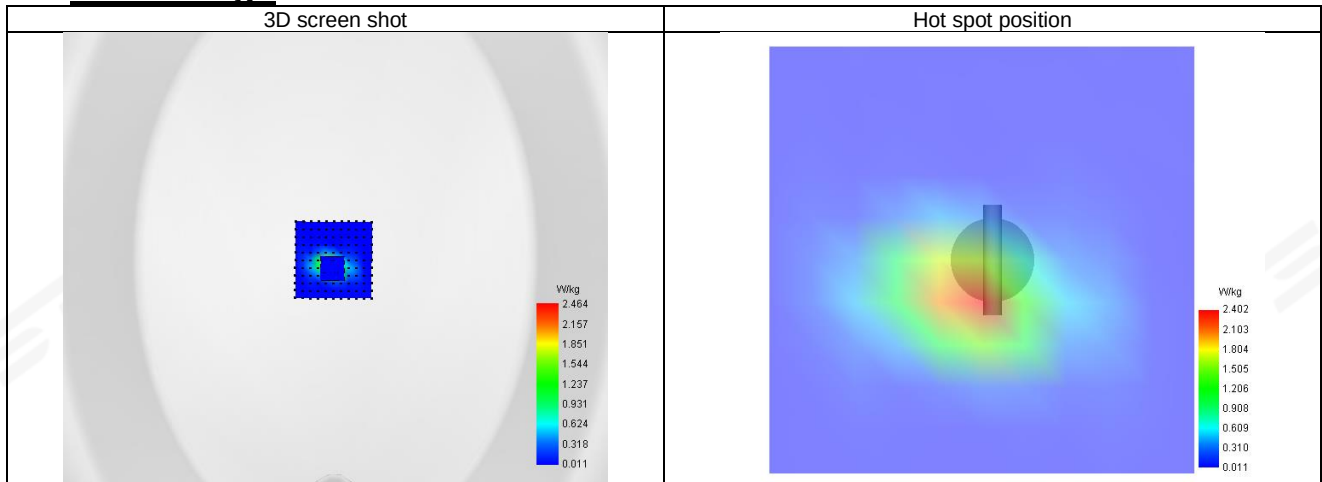
Maximum location: X=-3.00, Y=-8.00 ; SAR Peak: 4.21 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.544
SAR 1g (W/Kg)	1.675
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	58.012215

**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)	3.886	2.464	1.429	0.826	0.595	0.377	0.239	0.151	0.096	0.061	0.039	0.024

**F. 3D Image**

**System Performance Check Data (5400MHz)**

Type: Phone measurement (Complete)

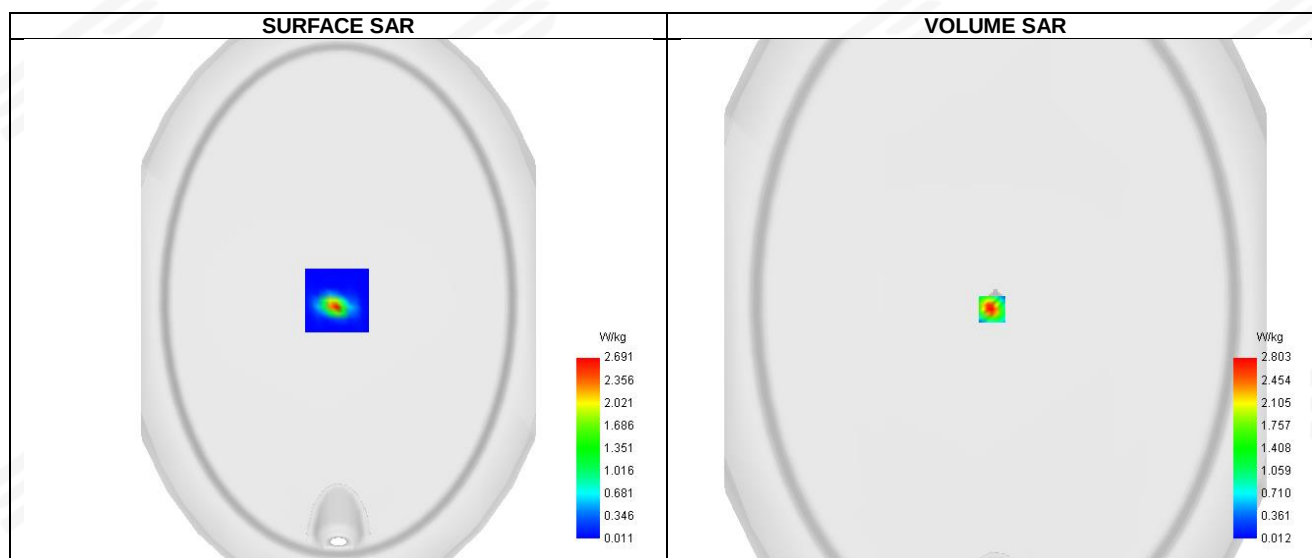
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-12-05

Experimental conditions.

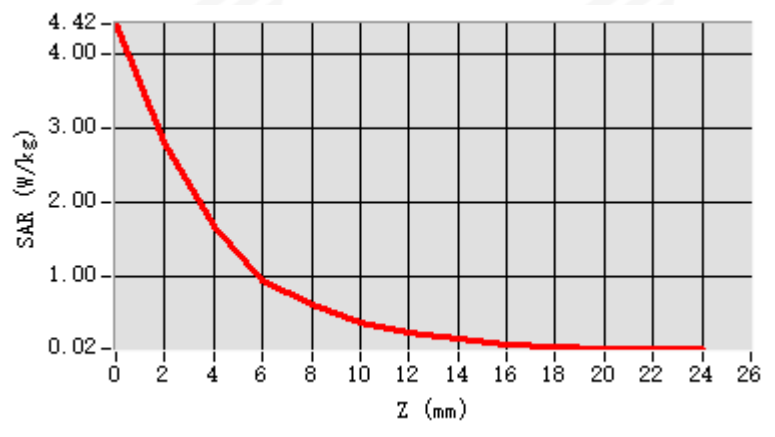
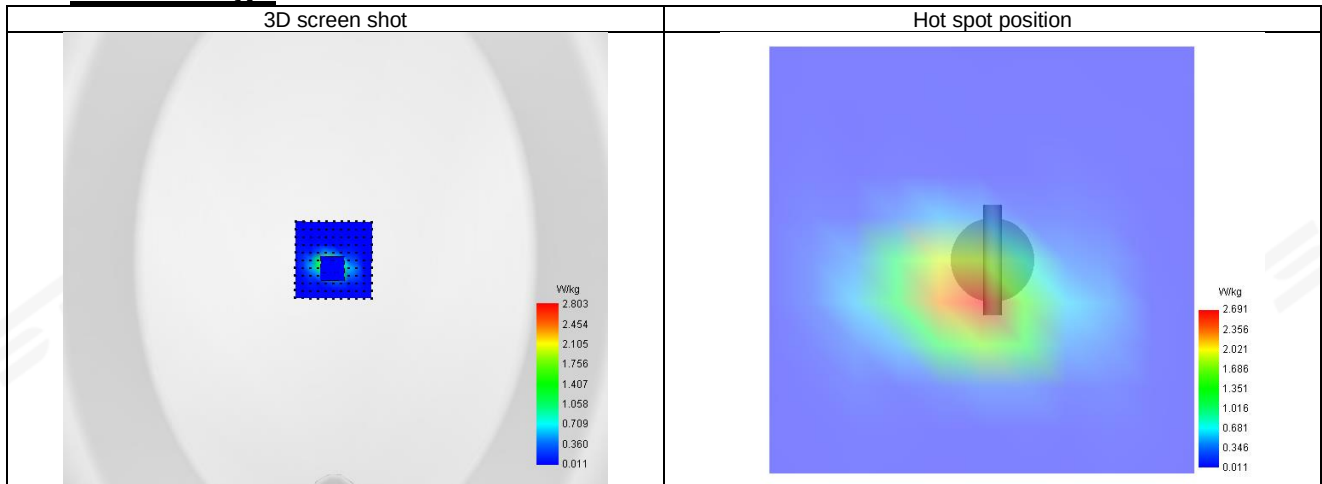
Device Position	Validation plane
Band	5400 MHz
Channels	-
Signal	CW
Frequency (MHz)	5400
Relative permittivity	35.33
Conductivity (S/m)	4.87
Probe	SN 08/21 EPGO352
ConvF	1.26
Crest factor:	1:1

**D. SAR 1g & 10g**

SAR 10g (W/Kg)	0.598
SAR 1g (W/Kg)	1.710
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	59.474573

**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)	4.417	2.803	1.667	0.942	0.624	0.381	0.233	0.142	0.087	0.053	0.032	0.020

**F. 3D Image**

**System Performance Check Data (5600MHz)**

Type: Phone measurement (Complete)

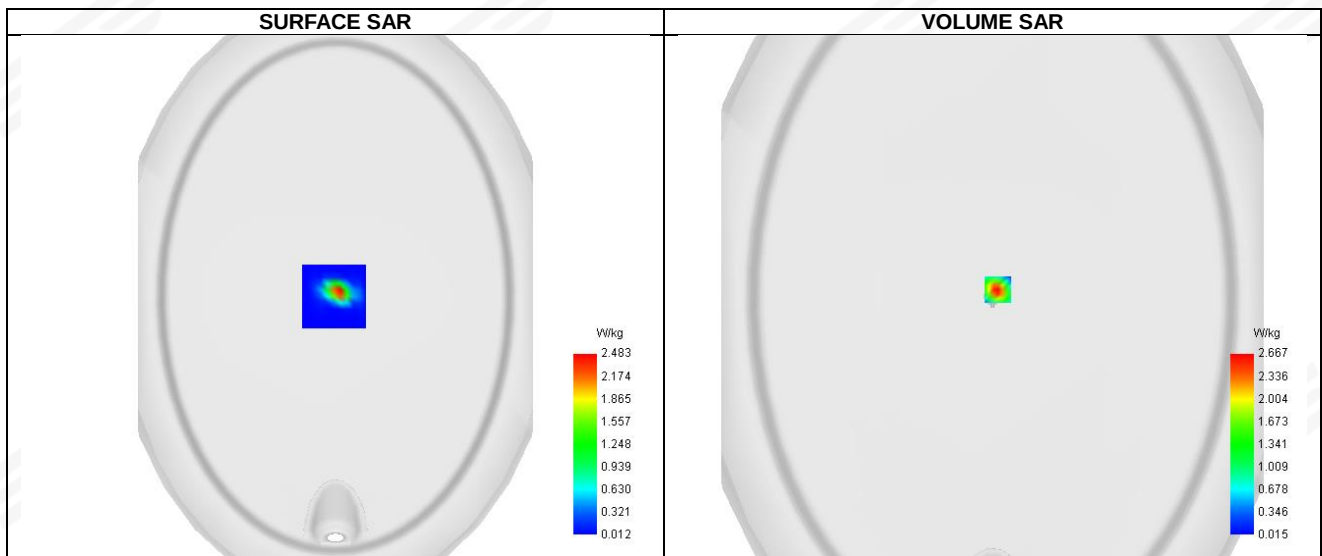
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-12-11

Experimental conditions.

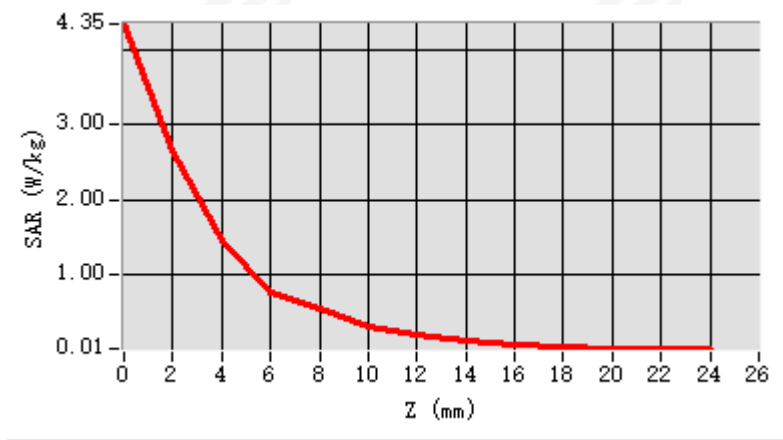
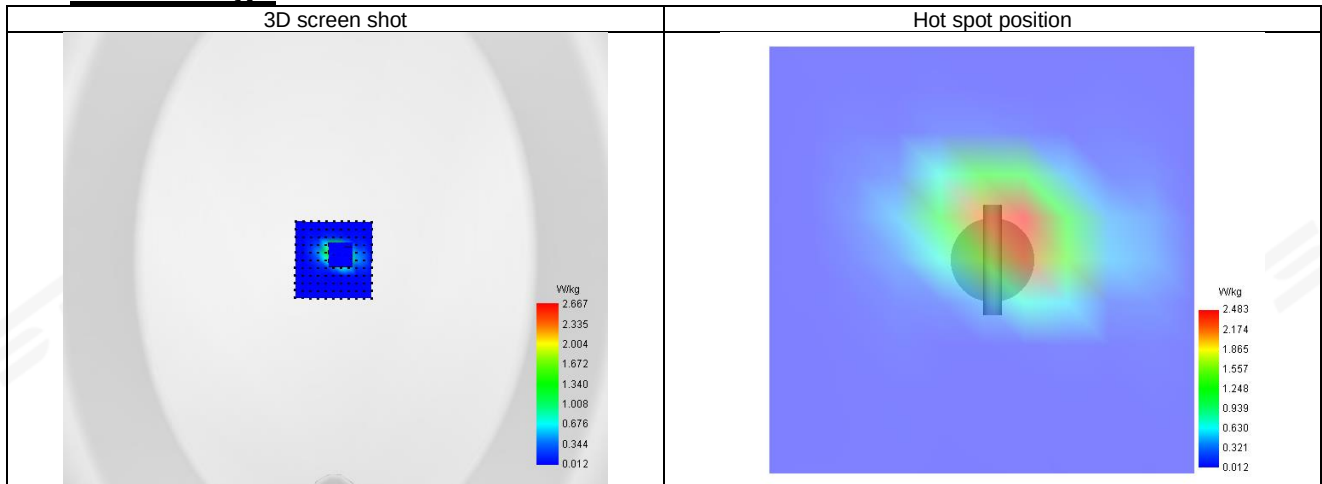
Device Position	Validation plane
Band	5600 MHz
Channels	-
Signal	CW
Frequency (MHz)	5600
Relative permittivity	35.61
Conductivity (S/m)	5.05
Probe	SN 08/21 EPGO352
ConvF	1.21
Crest factor:	1:1

**D. SAR 1g & 10g**

SAR 10g (W/Kg)	0.647
SAR 1g (W/Kg)	1.759
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	54.920745

**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)	4.351	2.667	1.465	0.777	0.538	0.321	0.192	0.114	0.068	0.041	0.024	0.015

**F. 3D Image**

**System Performance Check Data (5800MHz)**

Type: Phone measurement (Complete)

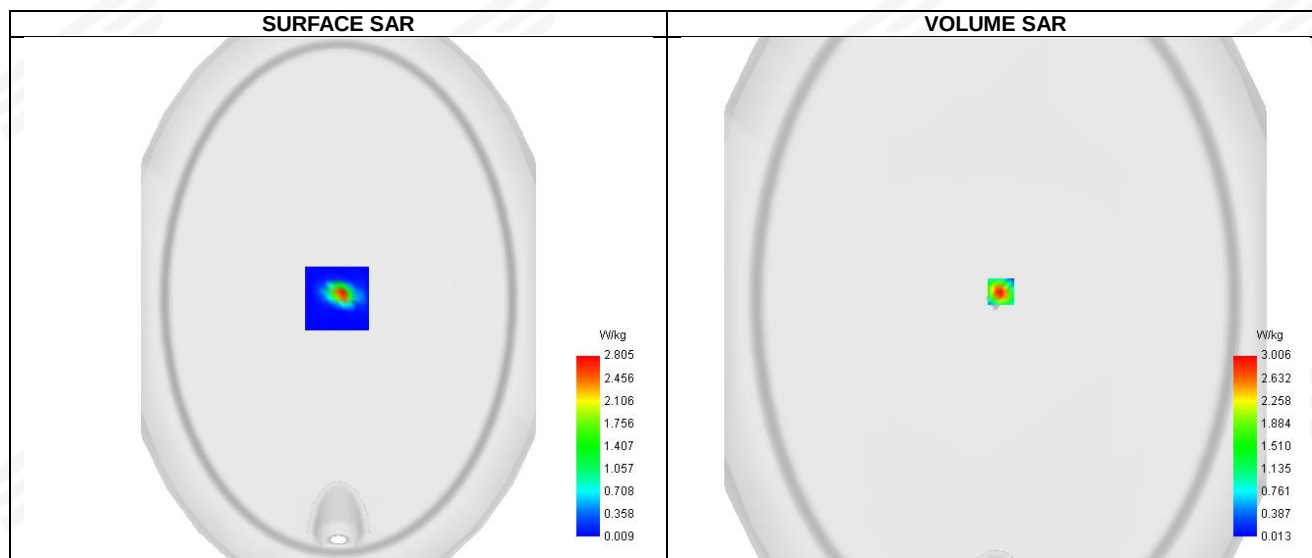
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2025-12-11

Experimental conditions.

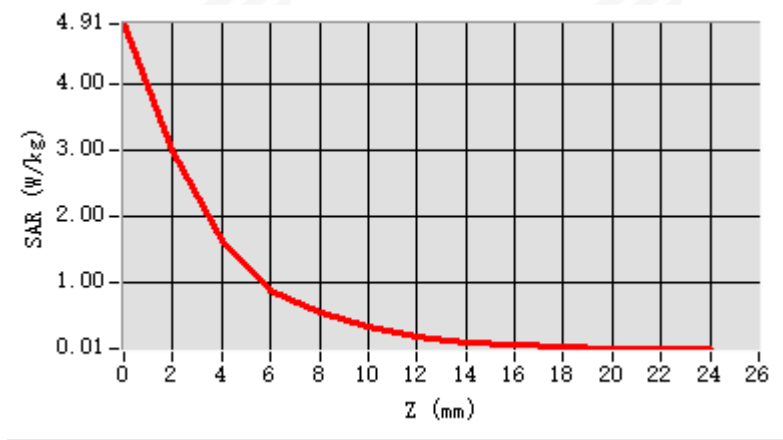
Device Position	Validation plane
Band	5800 MHz
Channels	-
Signal	CW
Frequency (MHz)	5800
Relative permittivity	36.16
Conductivity (S/m)	5.25
Probe	SN 08/21 EPGO352
ConvF	1.32
Crest factor:	1:1

**D. SAR 1g & 10g**

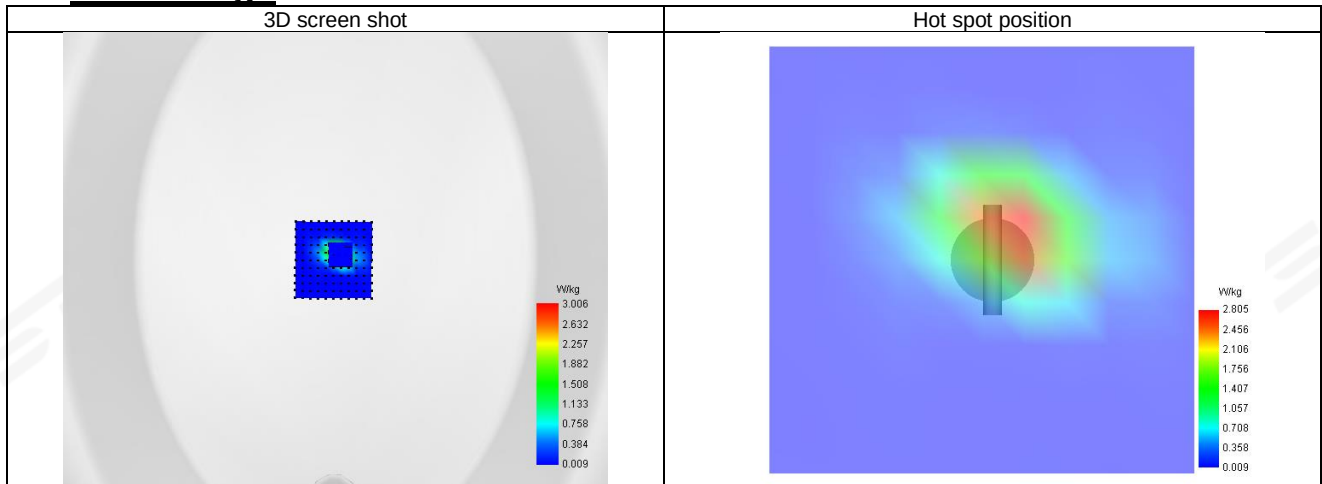
SAR 10g (W/Kg)	0.672
SAR 1g (W/Kg)	1.950
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	54.748036

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)	4.909	3.006	1.646	0.880	0.570	0.332	0.193	0.112	0.065	0.038	0.022	0.013



F. 3D Image

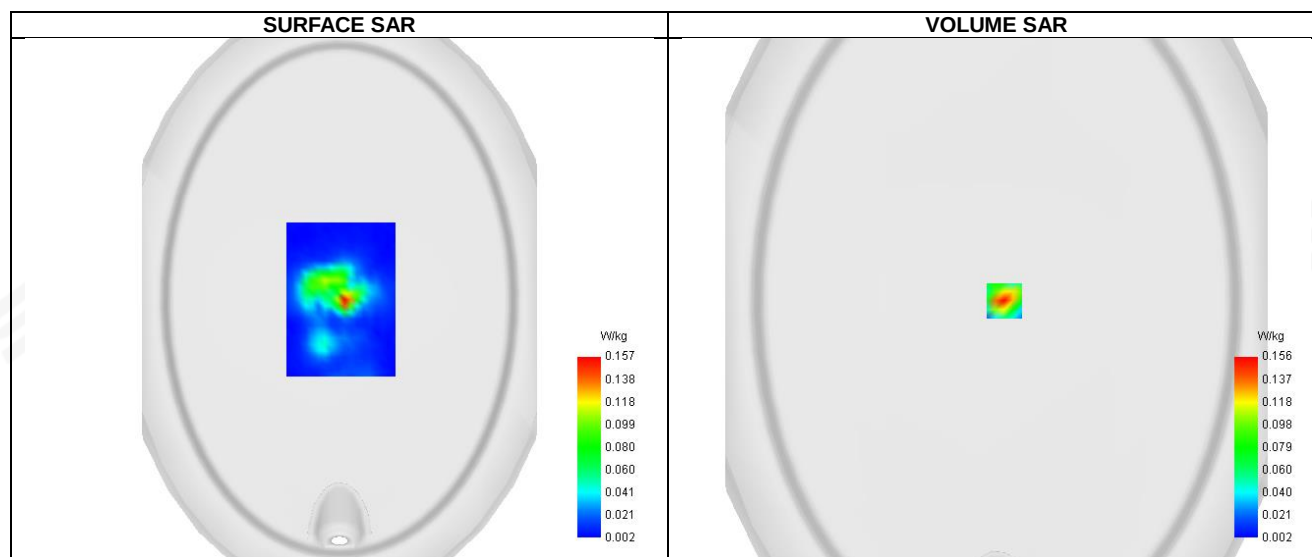




Appendix B. SAR Test Plots

Plot 1: DUT: Automotive Diagnostic Tool; EUT Model: OADD-PD1005A

Test Date	2025-12-05
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	Module 1 2.4GHz WLAN
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.31
Conductivity (S/m)	1.74



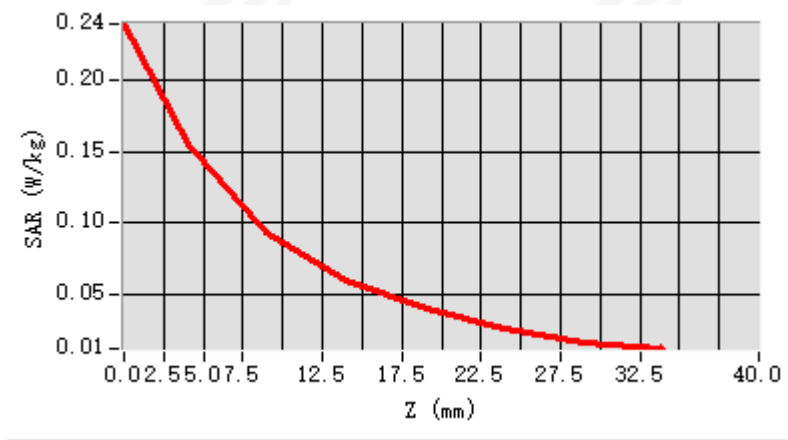
Maximum location: X=7.00, Y=-1.00 ; SAR Peak: 0.24 W/kg

D. SAR 1g & 10g

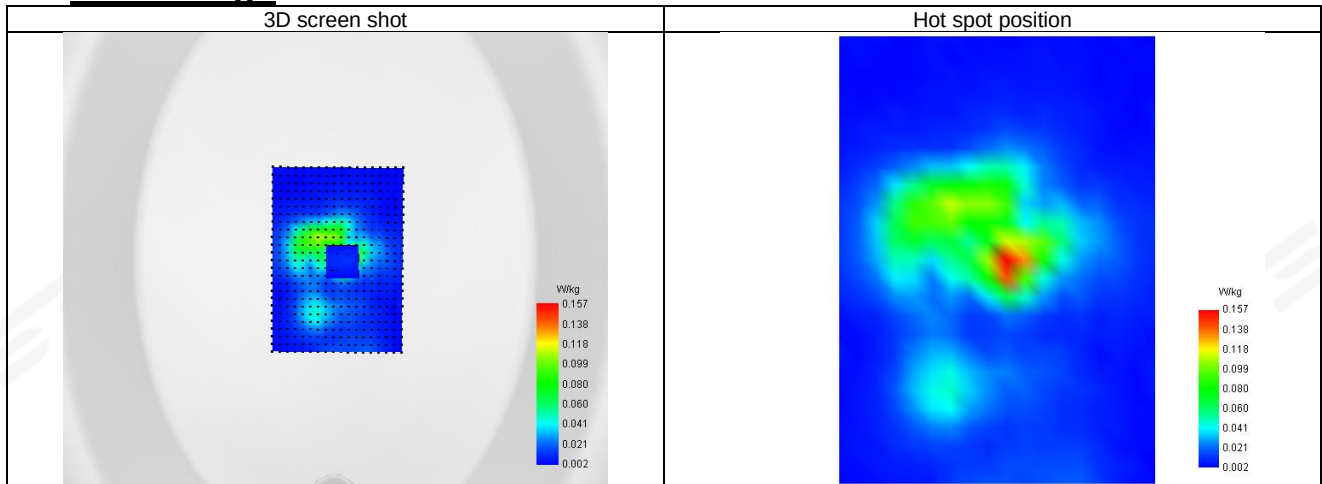
SAR 10g (W/Kg)	0.076
SAR 1g (W/Kg)	0.147
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	59.601489

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.240	0.156	0.093	0.060	0.040	0.026	0.016



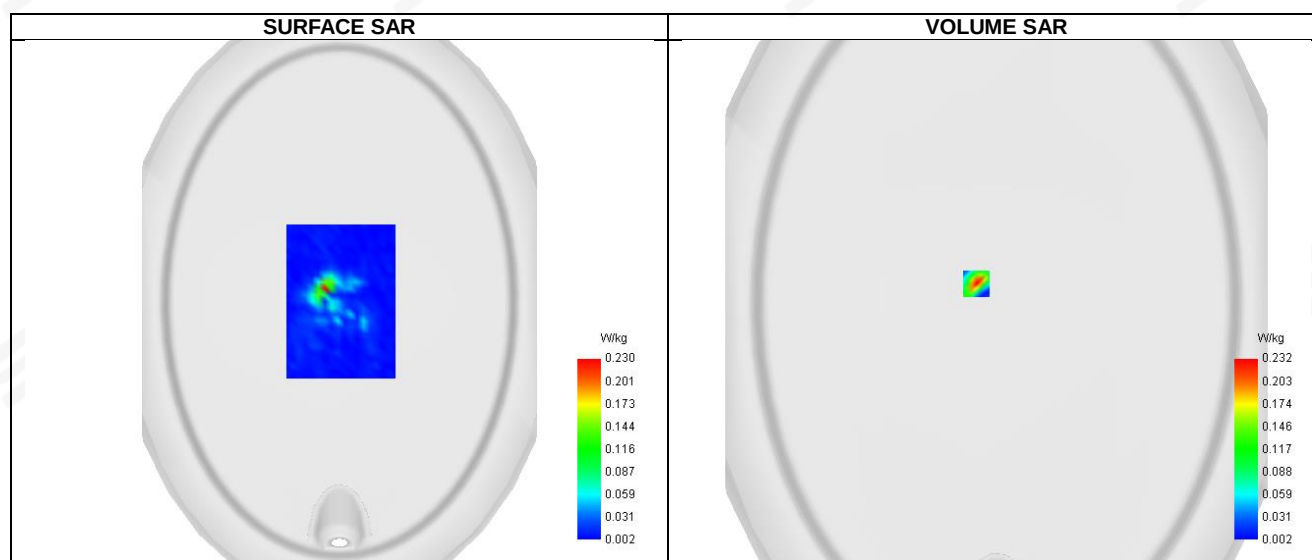
F. 3D Image





Plot 2: DUT: Automotive Diagnostic Tool; EUT Model: OADD-PD1005A

Test Date	2025-12-05
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	Module 1 5.2GHz WLAN
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5180
Relative permittivity (real part)	36.46
Conductivity (S/m)	4.64



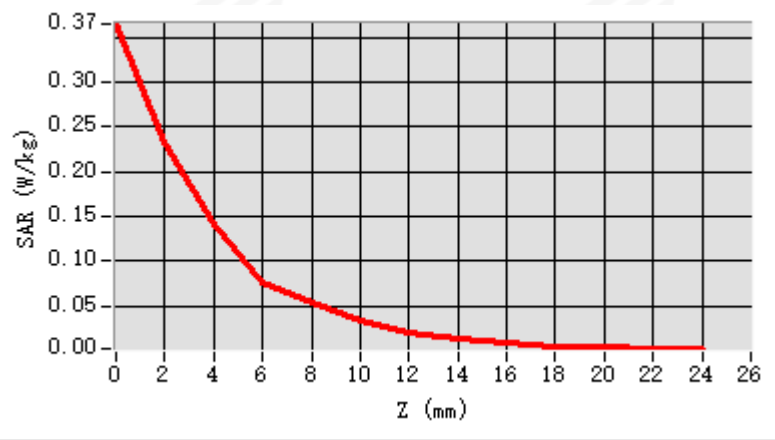
Maximum location: X=-18.00, Y=16.00 ; SAR Peak: 0.41 W/kg

D. SAR 1g & 10g

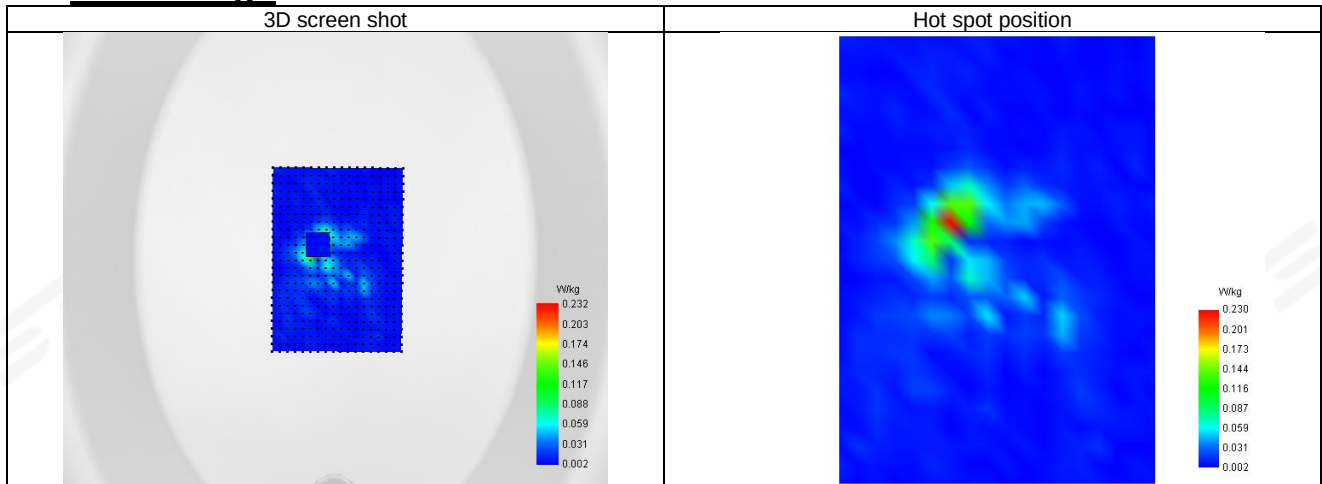
SAR 10g (W/Kg)	0.048
SAR 1g (W/Kg)	0.139
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	61.097441

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)	0.365	0.232	0.142	0.077	0.053	0.033	0.020	0.013	0.008	0.005	0.003	0.002



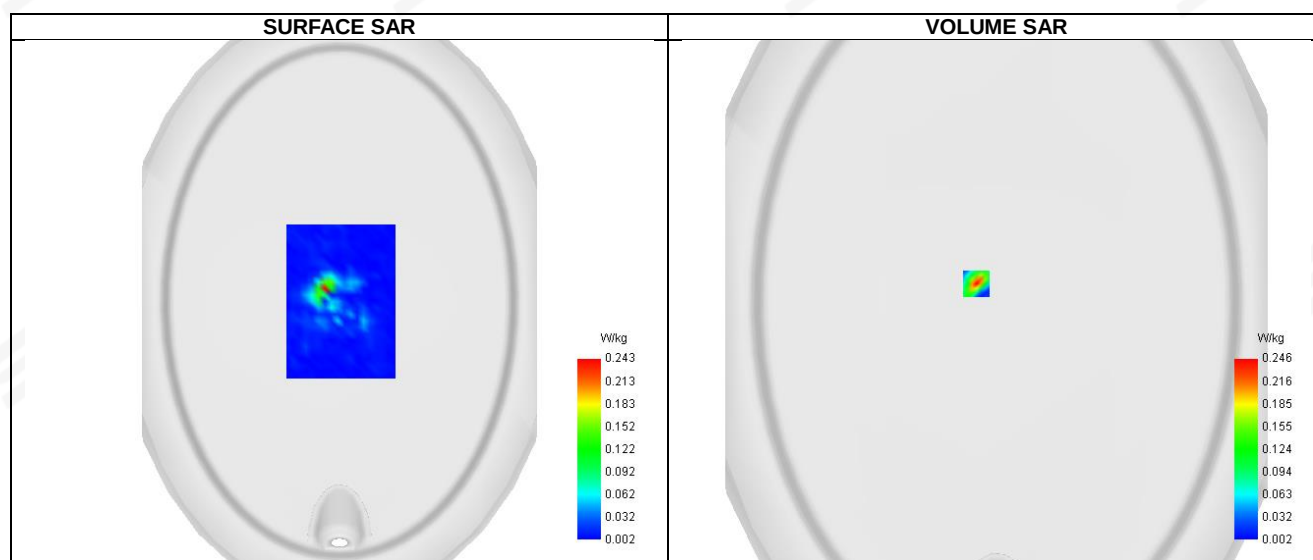
F. 3D Image





Plot 3: DUT: Automotive Diagnostic Tool; EUT Model: OADD-PD1005A

Test Date	2025-12-05
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	Module 1 5.2GHz WLAN
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5260
Relative permittivity (real part)	35.80
Conductivity (S/m)	4.75

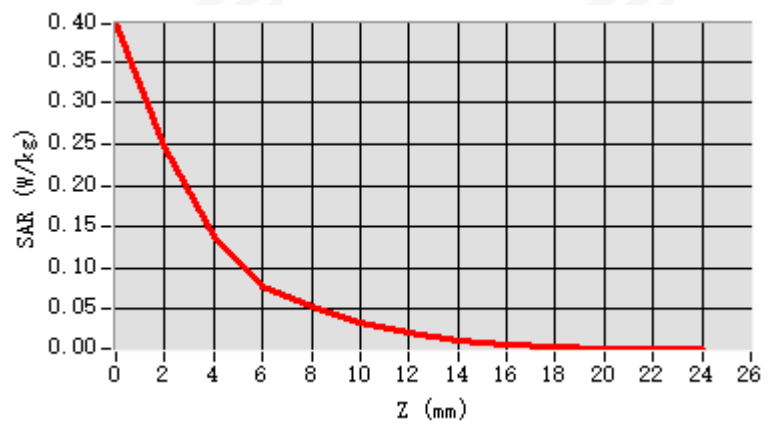
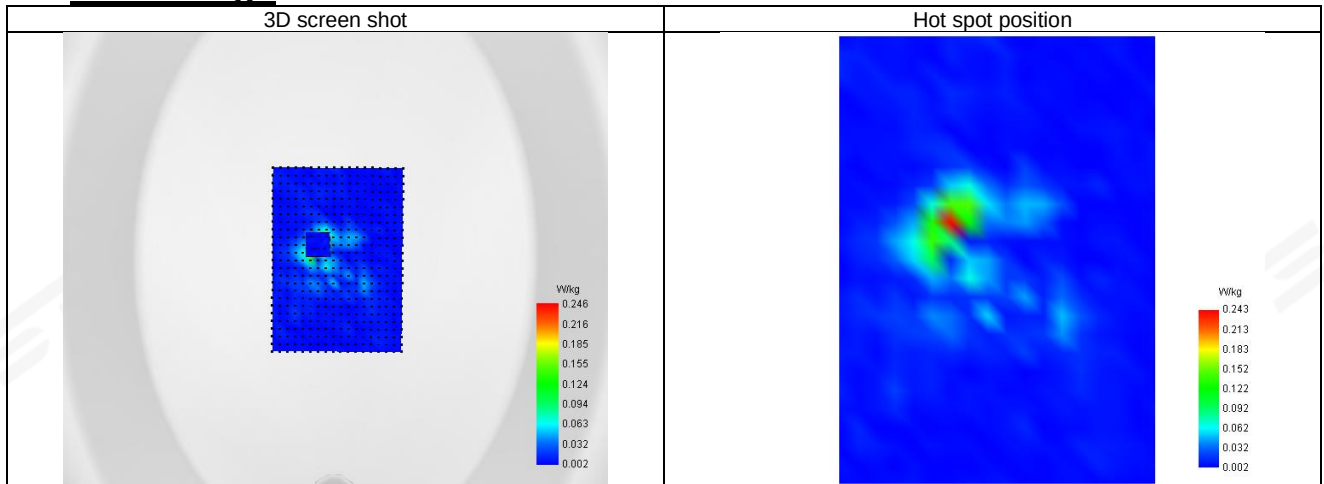


D. SAR 1g & 10g

SAR 10g (W/Kg)	0.048
SAR 1g (W/Kg)	0.145
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	55.703177

**E. Z Axis Scan**

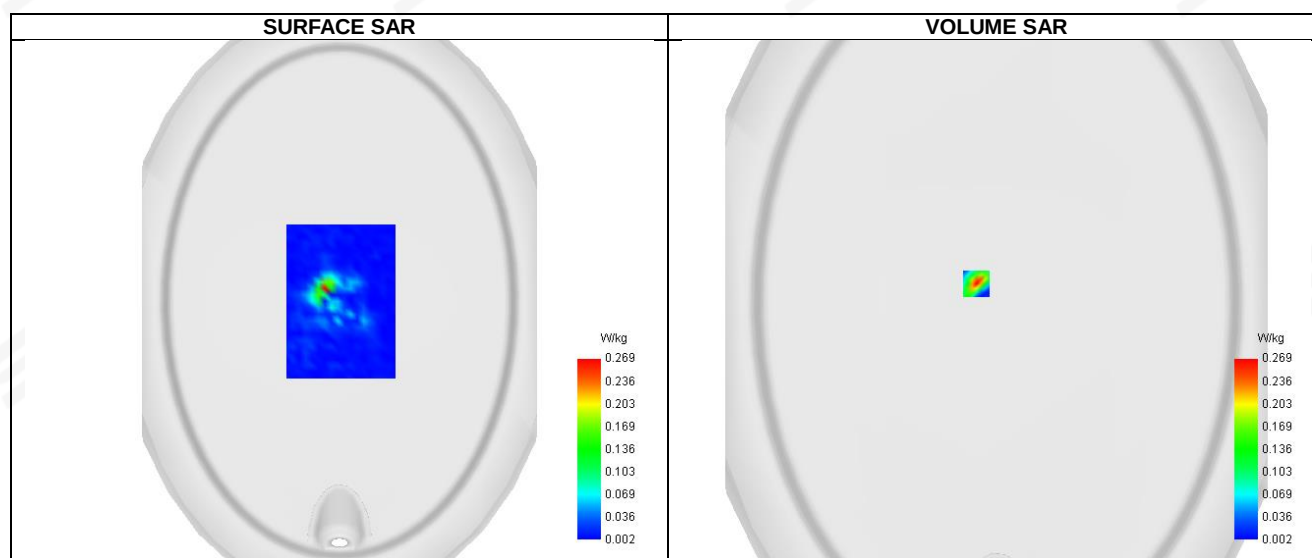
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.396	0.246	0.137	0.077	0.054	0.033	0.020	0.012	0.008	0.005	0.003	0.002

**F. 3D Image**



Plot 4: DUT: Automotive Diagnostic Tool; EUT Model: OADD-PD1005A

Test Date	2025-12-11
ConvF	1.21
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	Module 1 5.6GHz WLAN
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5580
Relative permittivity (real part)	35.43
Conductivity (S/m)	5.04

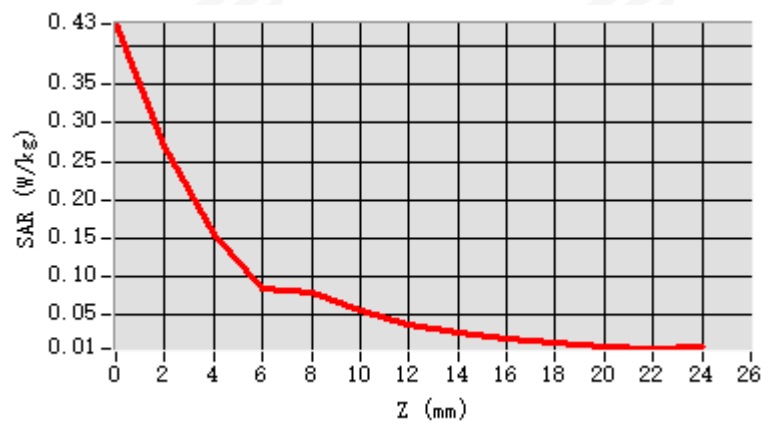
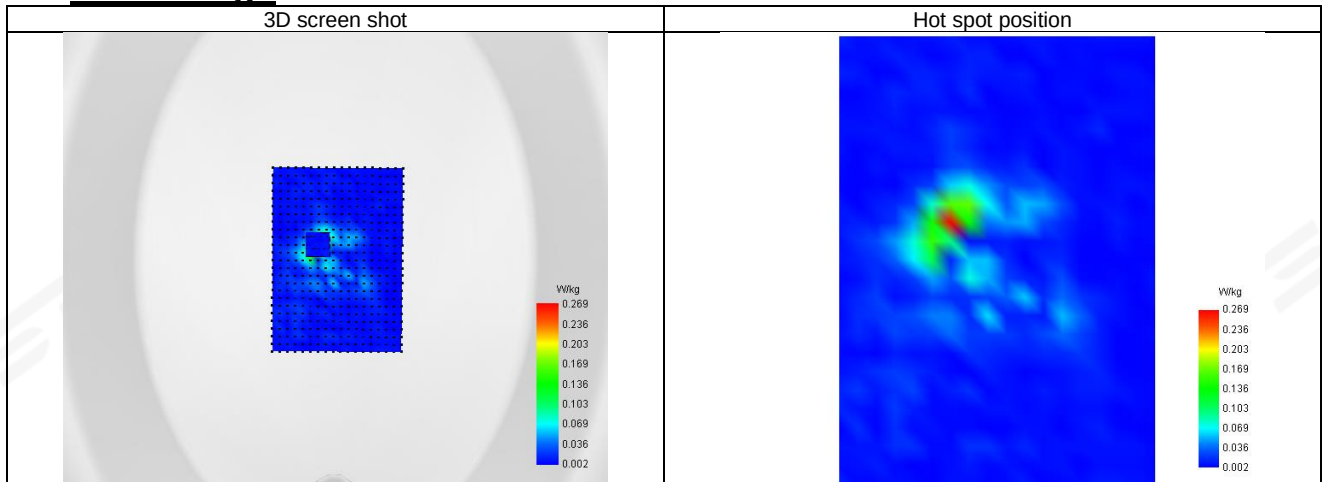


D. SAR 1g & 10g

SAR 10g (W/Kg)	0.056
SAR 1g (W/Kg)	0.164
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	57.169439

**E. Z Axis Scan**

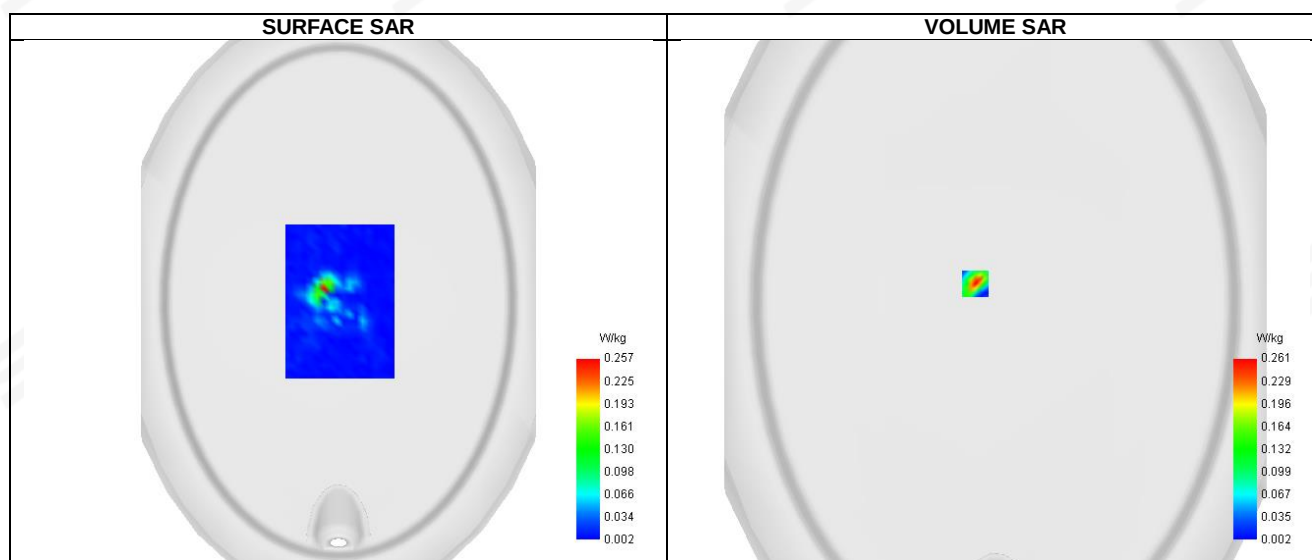
Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.429	0.269	0.154	0.085	0.080	0.056	0.039	0.027	0.019	0.013	0.009	0.006

**F. 3D Image**



Plot 5: DUT: Automotive Diagnostic Tool; EUT Model: OADD-PD1005A

Test Date	2025-12-11
ConvF	1.32
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	Module 1 5.8GHz WLAN
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	5785
Relative permittivity (real part)	36.34
Conductivity (S/m)	5.24

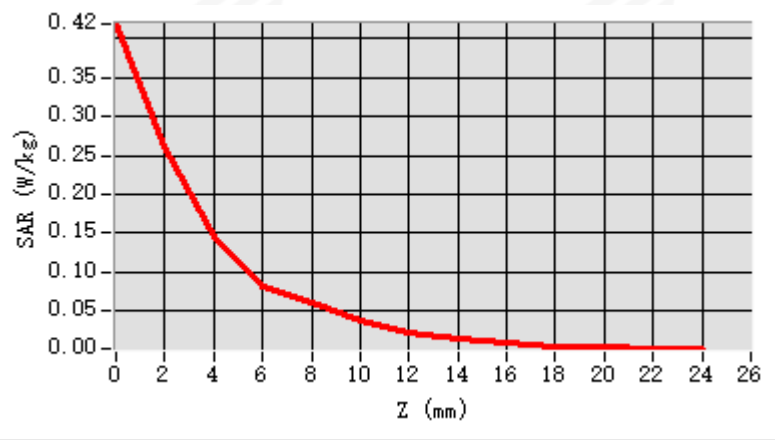


D. SAR 1g & 10g

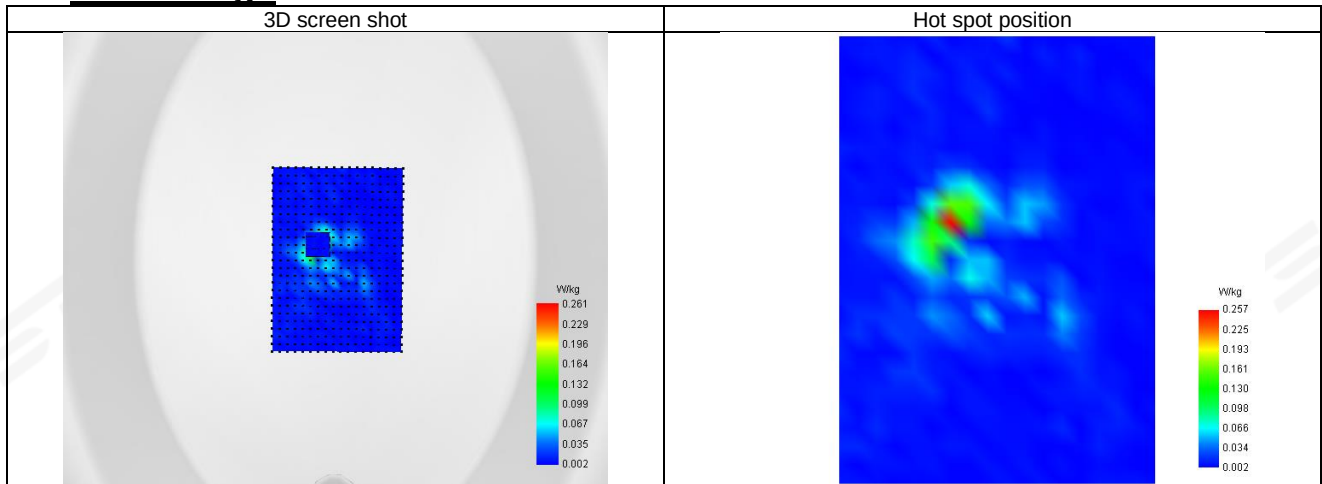
SAR 10g (W/Kg)	0.052
SAR 1g (W/Kg)	0.156
Horizontal validation criteria: minimum distance (mm)	5.656854
Vertical validation criteria: SAR ratio M2/M1 (%)	56.185422

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)	0.418	0.261	0.147	0.082	0.060	0.038	0.024	0.015	0.009	0.006	0.004	0.002



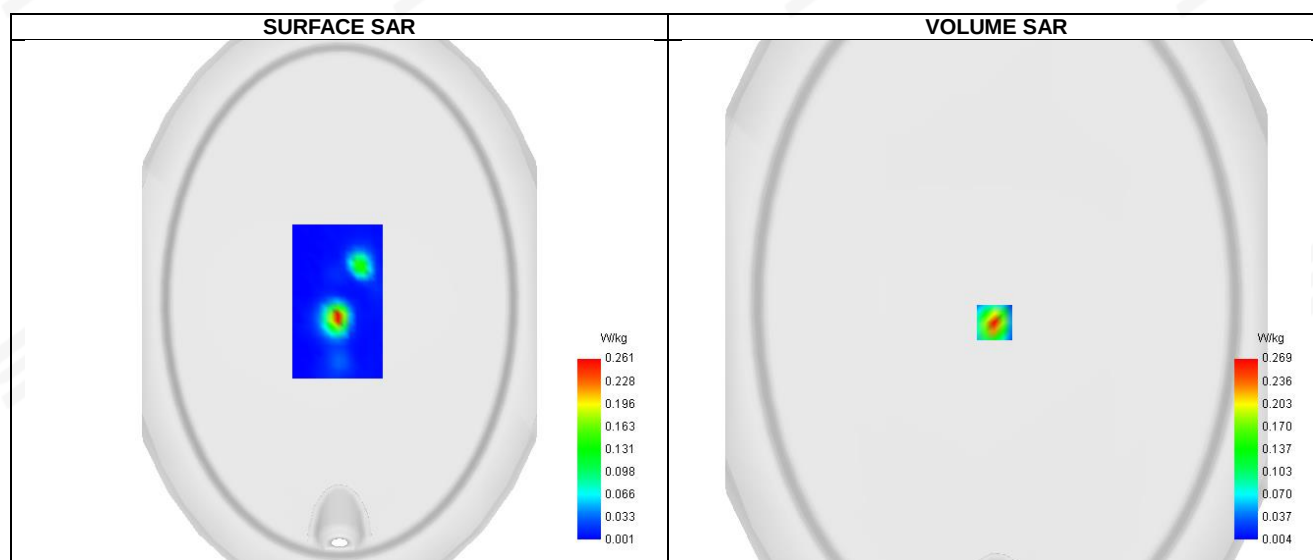
F. 3D Image





Plot 6: DUT: Automotive Diagnostic Tool; EUT Model: OADD-PD1005A

Test Date	2025-12-05
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	Module 2 2.4G WLAN_ANT_A
Signal	802.11b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.39
Conductivity (S/m)	1.81

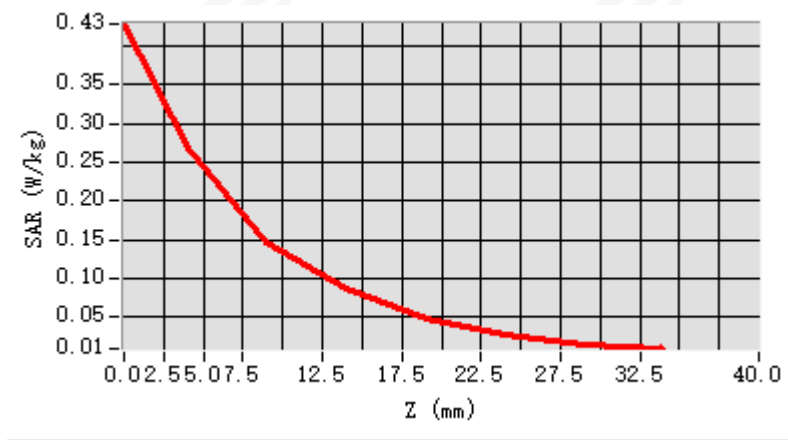


D. SAR 1g & 10g

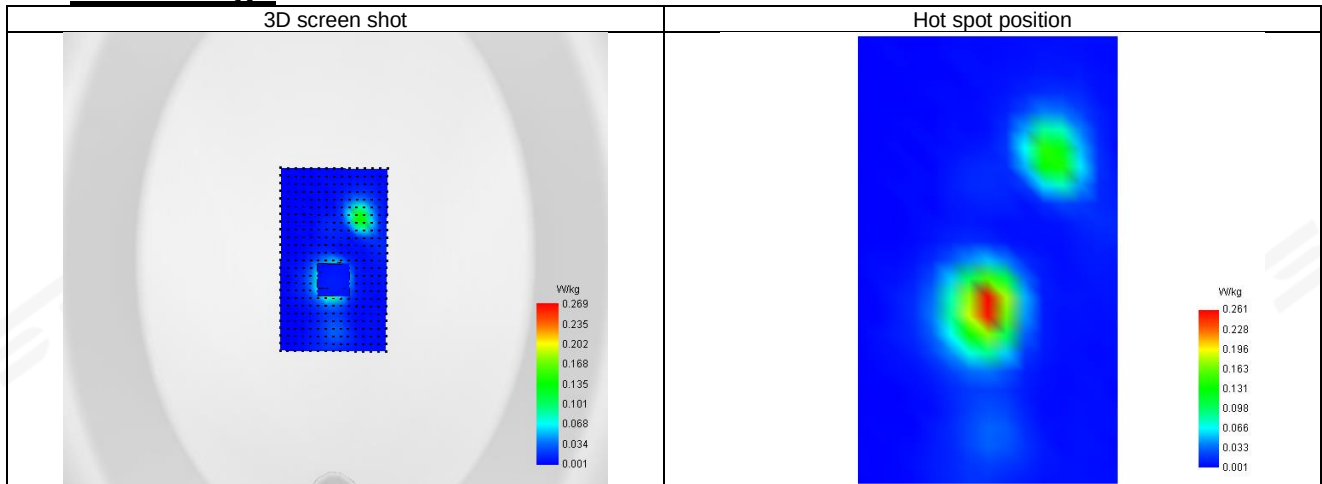
SAR 10g (W/Kg)	0.118
SAR 1g (W/Kg)	0.245
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	54.761958

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.428	0.269	0.147	0.087	0.050	0.028	0.016



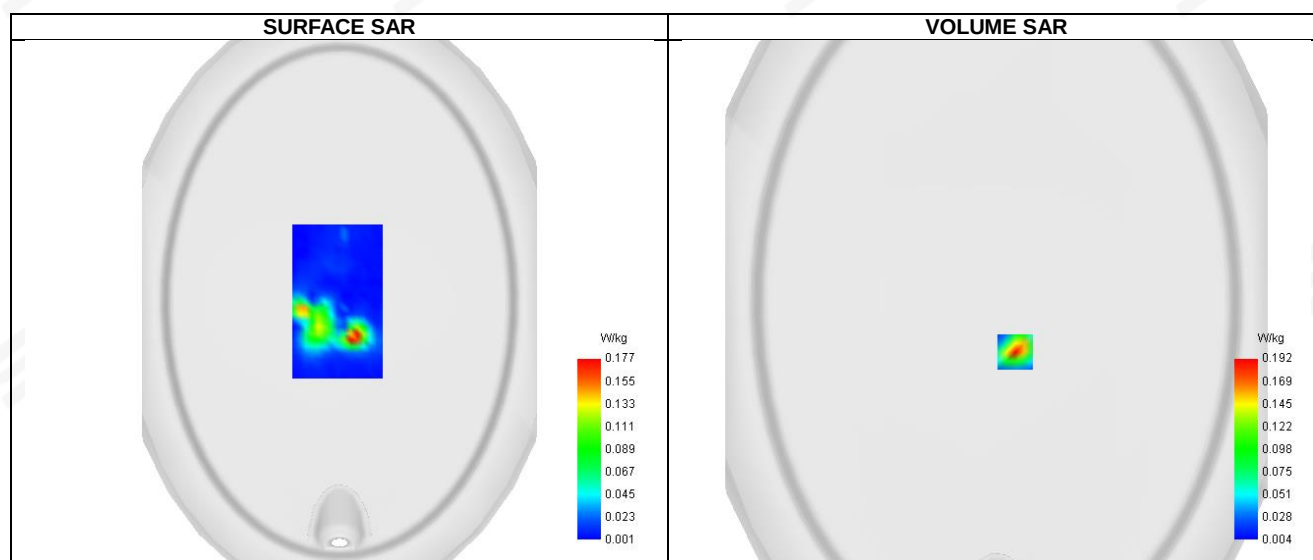
F. 3D Image





Plot 7: DUT: Automotive Diagnostic Tool; EUT Model: OADD-PD1005A

Test Date	2025-12-05
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	Module 2 2.4G WLAN_ANT_B
Signal	802.11b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.39
Conductivity (S/m)	1.81

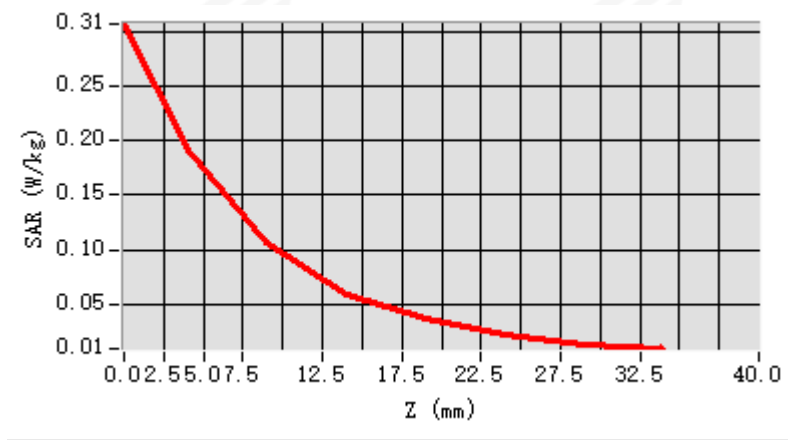


D. SAR 1g & 10g

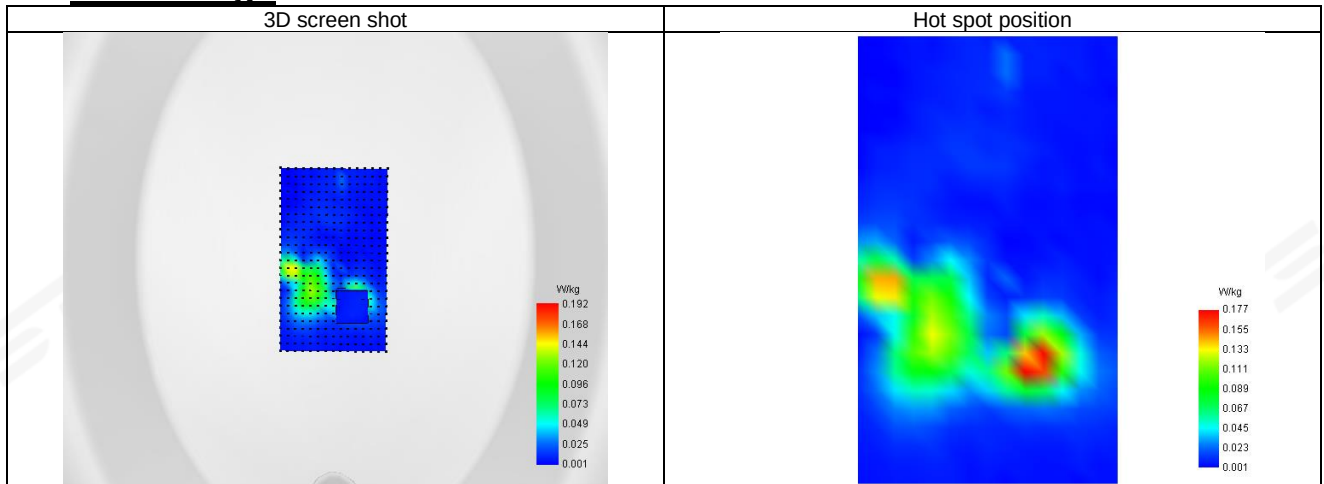
SAR 10g (W/Kg)	0.084
SAR 1g (W/Kg)	0.177
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	55.213195

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.308	0.192	0.106	0.059	0.037	0.021	0.012



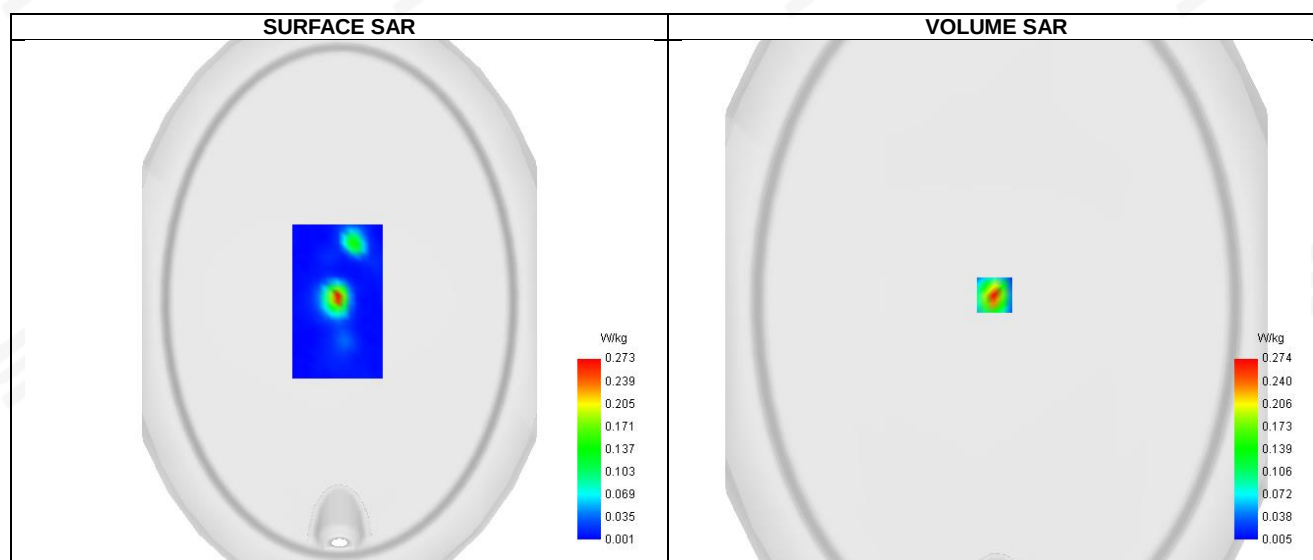
F. 3D Image





Plot 8: DUT: Automotive Diagnostic Tool; EUT Model: OADD-PD1005A

Test Date	2025-12-05
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	Module 2 2.4G WLAN_MIMO_ANT_A
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.39
Conductivity (S/m)	1.81

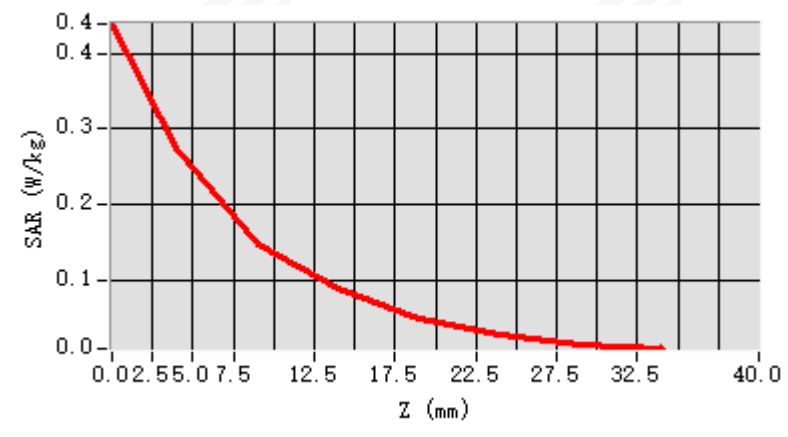
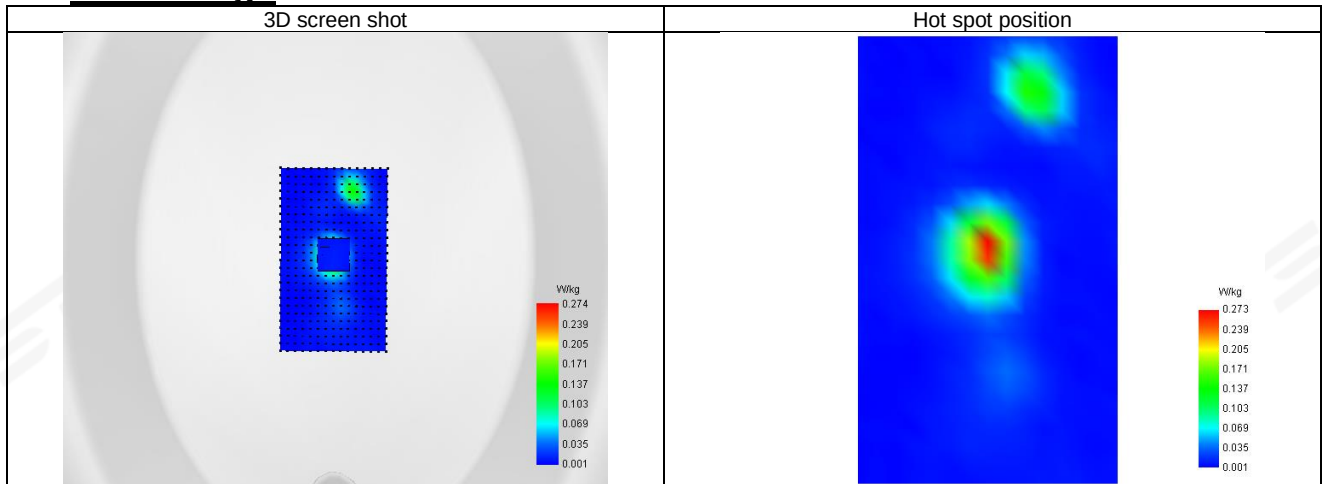


D. SAR 1g & 10g

SAR 10g (W/Kg)	0.120
SAR 1g (W/Kg)	0.249
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	54.469708

**E. Z Axis Scan**

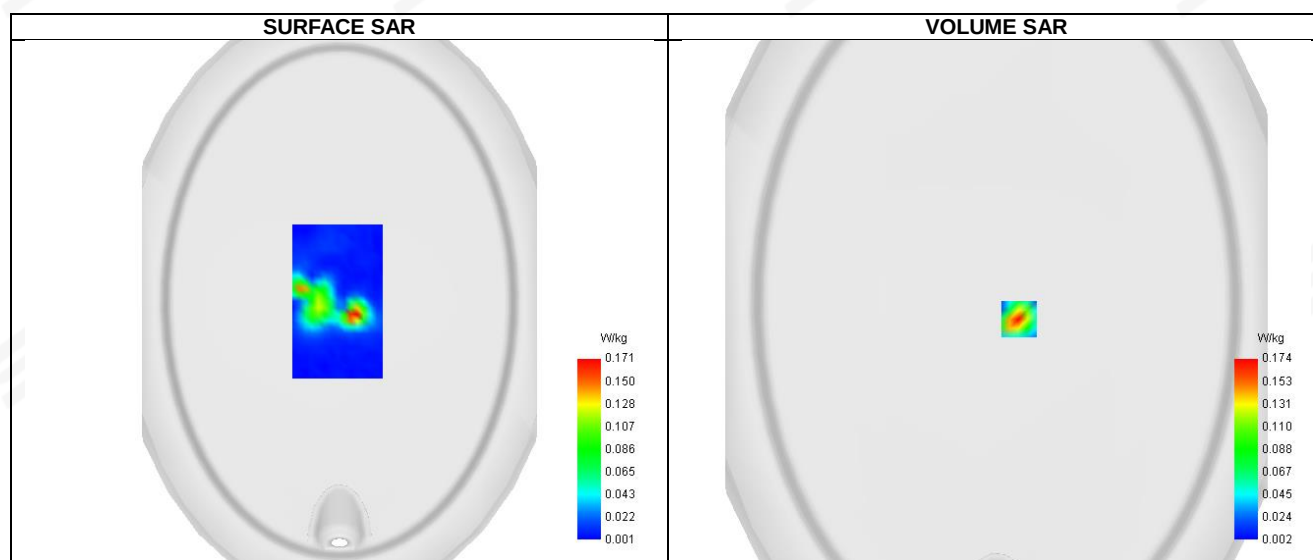
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.438	0.274	0.149	0.089	0.052	0.030	0.017

**F. 3D Image**



Plot 9: DUT: Automotive Diagnostic Tool; EUT Model: OADD-PD1005A

Test Date	2025-12-05
ConvF	1.82
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	Module 2 2.4G WLAN_MIMO_ANT_B
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.39
Conductivity (S/m)	1.81

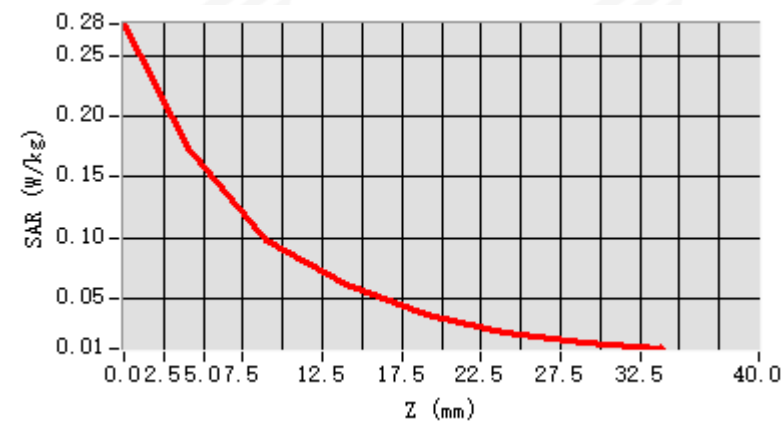


D. SAR 1g & 10g

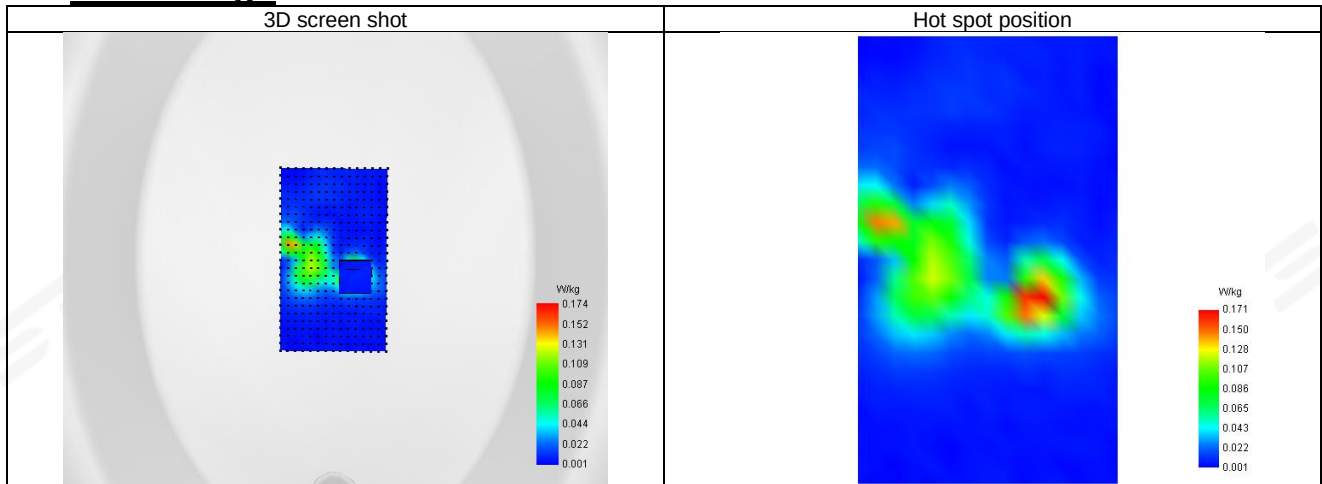
SAR 10g (W/Kg)	0.079
SAR 1g (W/Kg)	0.163
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	56.002887

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.276	0.174	0.098	0.062	0.037	0.022	0.013



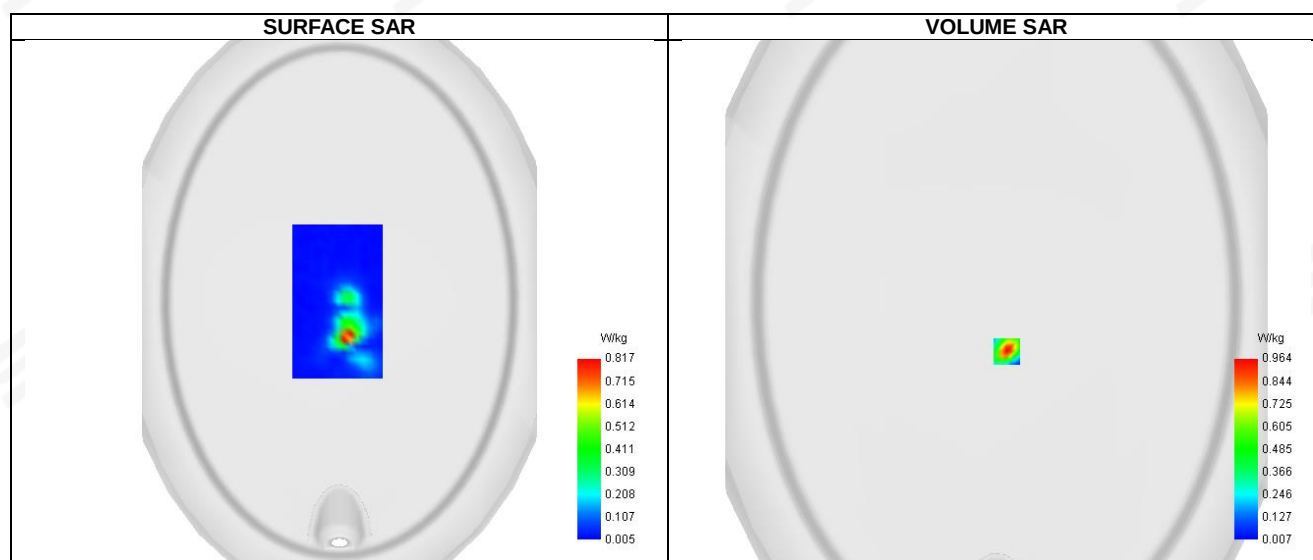
F. 3D Image





Plot 10: DUT: Automotive Diagnostic Tool; EUT Model: OADD-PD1005A

Test Date	2025-12-05
ConvF	1.37
Probe	SN 08/21 EPG0352
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Body
Device Position	Back Side
Band	Module 2 5.2G WLAN_ANT_A
Signal	802.11a (Crest factor: 1.0)
Frequency (MHz)	5240
Relative permittivity (real part)	36.05
Conductivity (S/m)	4.77



D. SAR 1g & 10g

SAR 10g (W/Kg)	0.225
SAR 1g (W/Kg)	0.611
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	58.308902