



Appendix A System Validation Plots

System Performance Check (750MHz)

Date of measurement: 03/30/2026

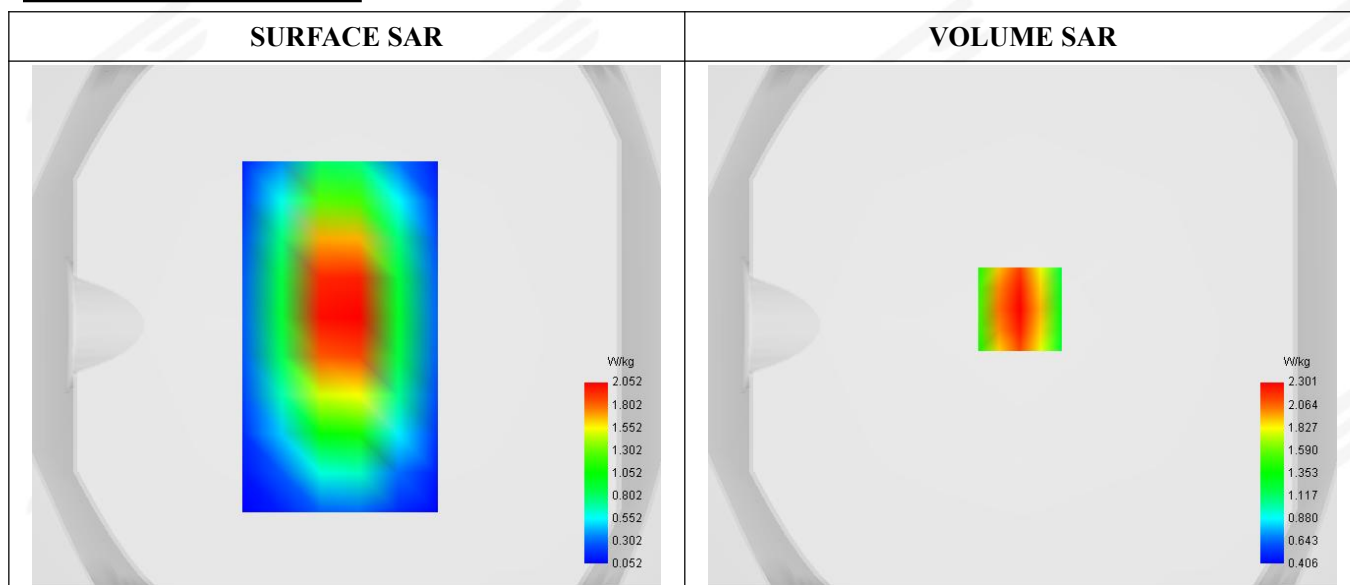
A. Experimental conditions.

E-Field Probe	SATIMO 08/21 EPG0352
ConvF	1.51
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	750MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	750
Relative permittivity (real part)	42.84
Conductivity (S/m)	0.91

C. SAR Surface and Volume

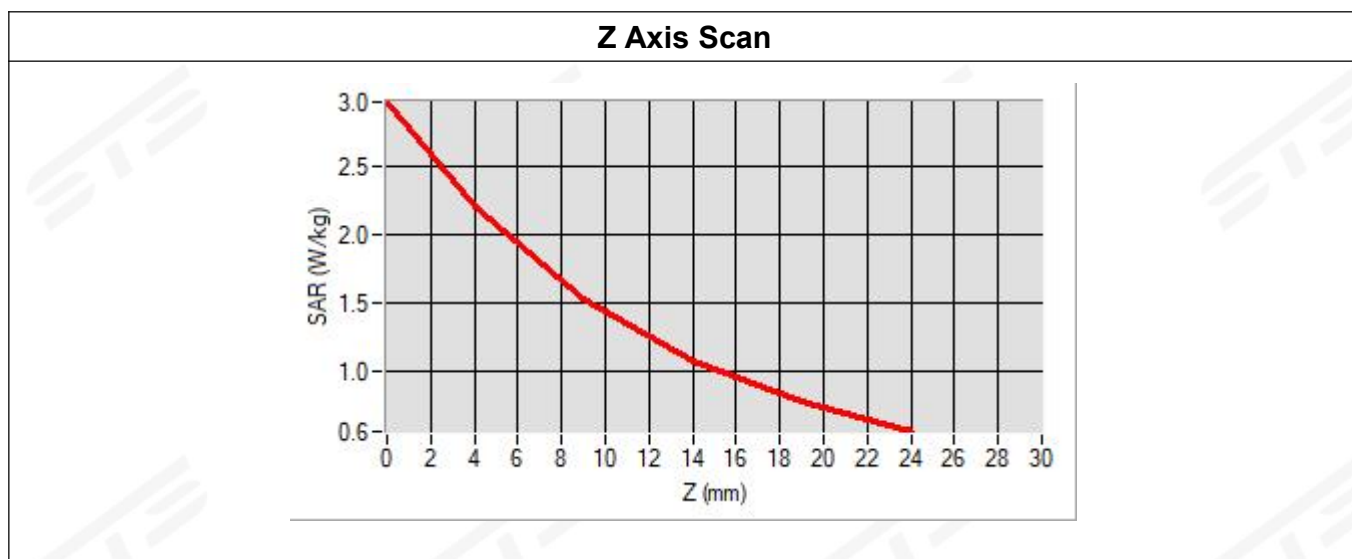


Maximum location: X=-1.00, Y=6.00 ; SAR Peak: 2.98 W/kg

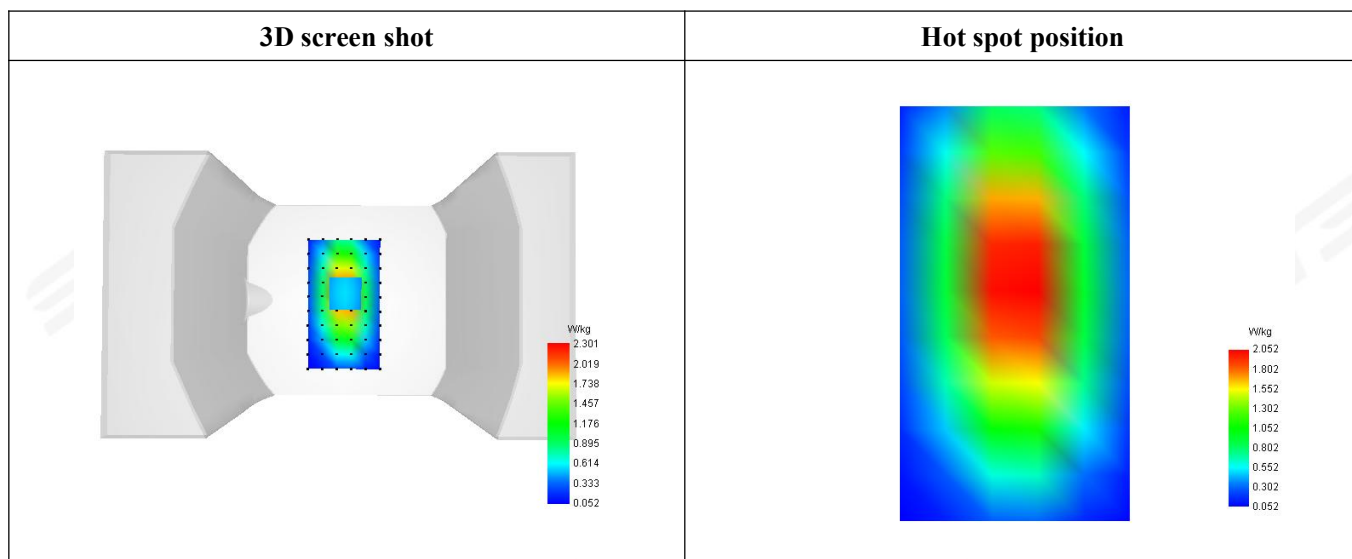
D. SAR 1g & 10g

SAR 10g (W/Kg)	1.391
SAR 1g (W/Kg)	2.100
Variation (%)	-1.680
Horizontal validation criteria: minimum distance (mm)	15.592205
Vertical validation criteria: SAR ratio M2/M1 (%)	60.132120

E. Z Axis Scan



F. 3D Image



**System Performance Check (750MHz)**

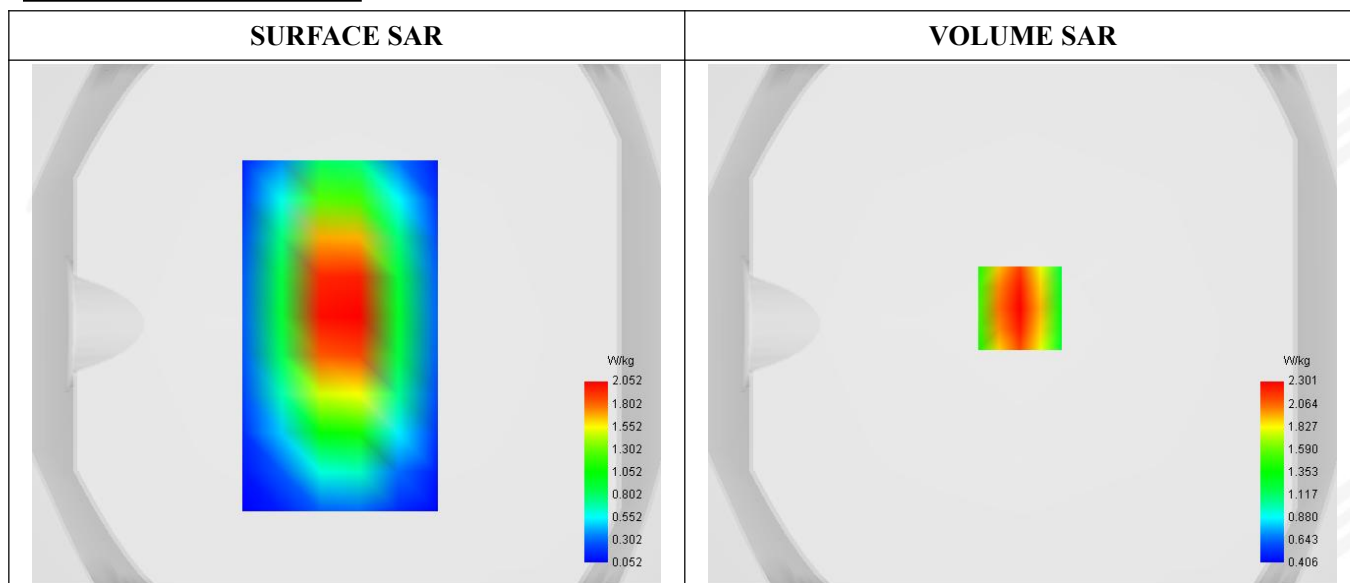
Date of measurement: 05/21/2026

A. Experimental conditions.

E-Field Probe	SATIMO 08/21 EPG0352
ConvF	1.51
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	750MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	750
Relative permittivity (real part)	42.47
Conductivity (S/m)	0.90

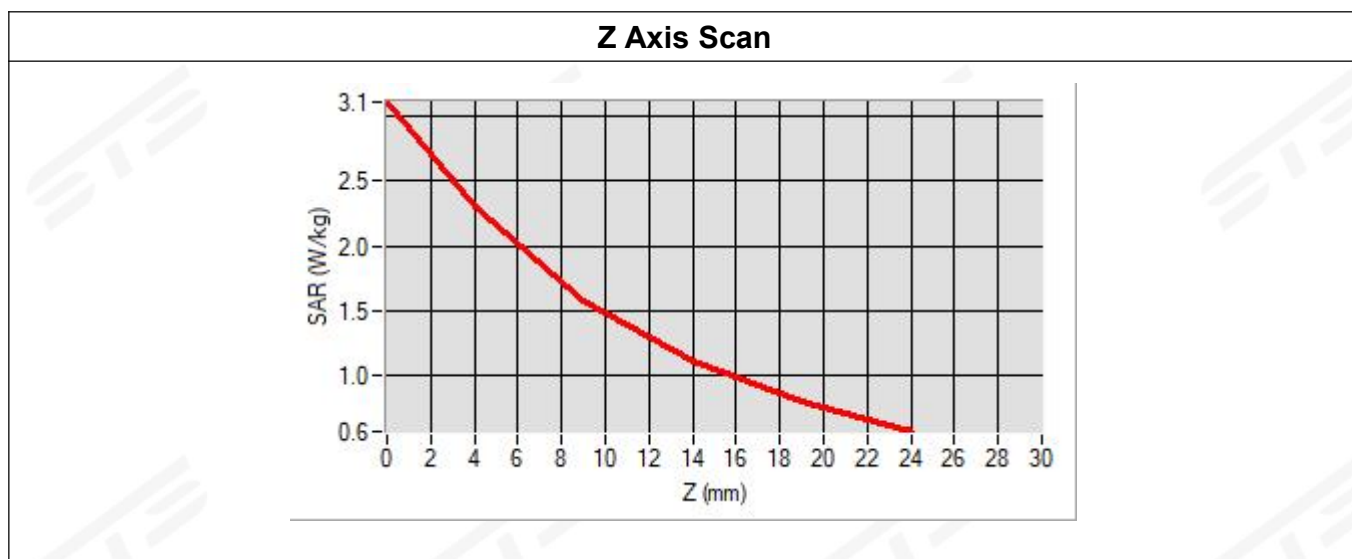
C. SAR Surface and Volume

Maximum location: X=-1.00, Y=6.00 ; SAR Peak: 3.12 W/kg

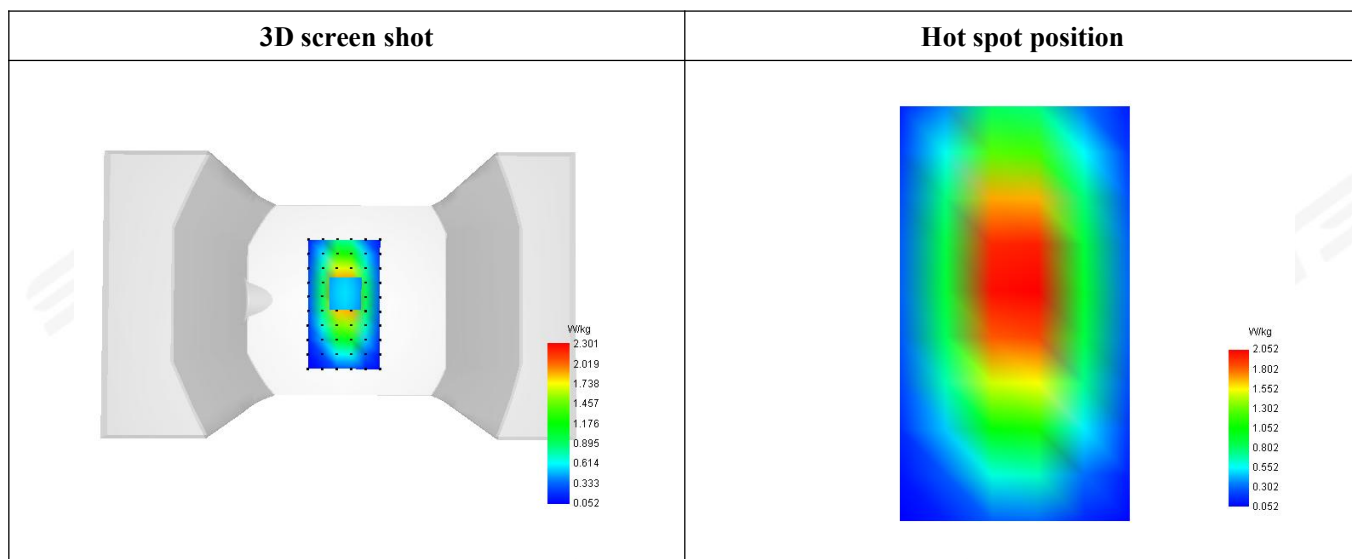
D. SAR 1g & 10g

SAR 10g (W/Kg)	1.442
SAR 1g (W/Kg)	2.188
Variation (%)	-0.880
Horizontal validation criteria: minimum distance (mm)	22.496270
Vertical validation criteria: SAR ratio M2/M1 (%)	63.160206

E. Z Axis Scan



F. 3D Image



**System Performance Check (835MHz)**

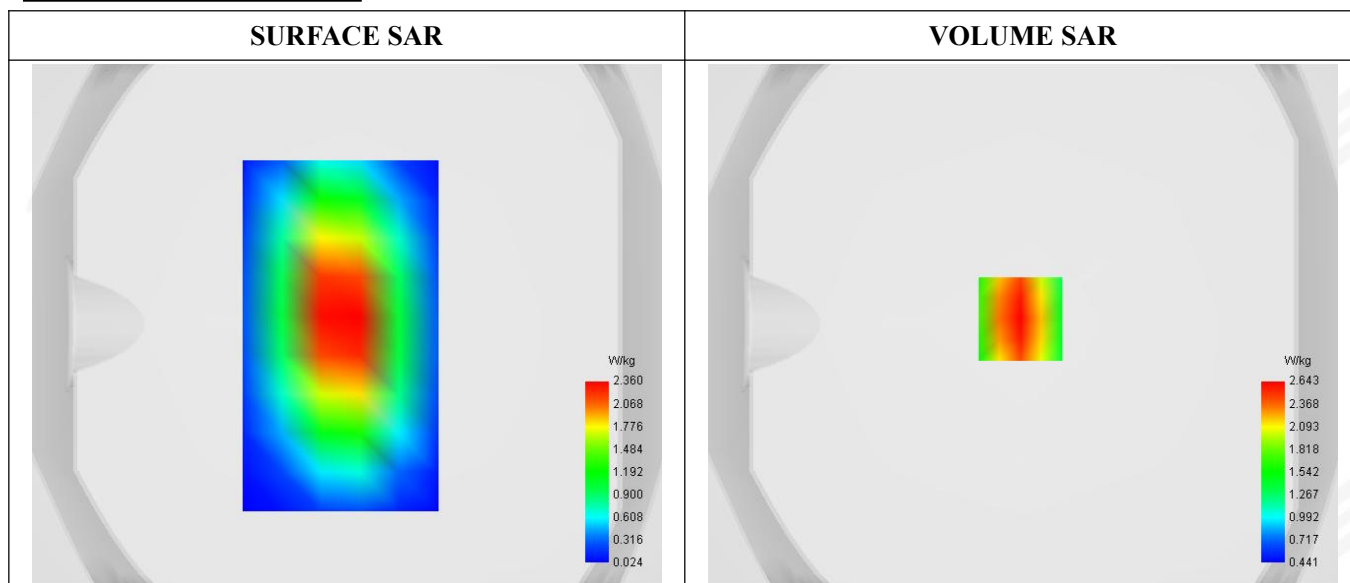
Date of measurement: 04/03/2026

A. Experimental conditions.

E-Field Probe	SATIMO 08/21 EPG0352
ConvF	1.49
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	835MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	835
Relative permittivity (real part)	42.49
Conductivity (S/m)	0.93

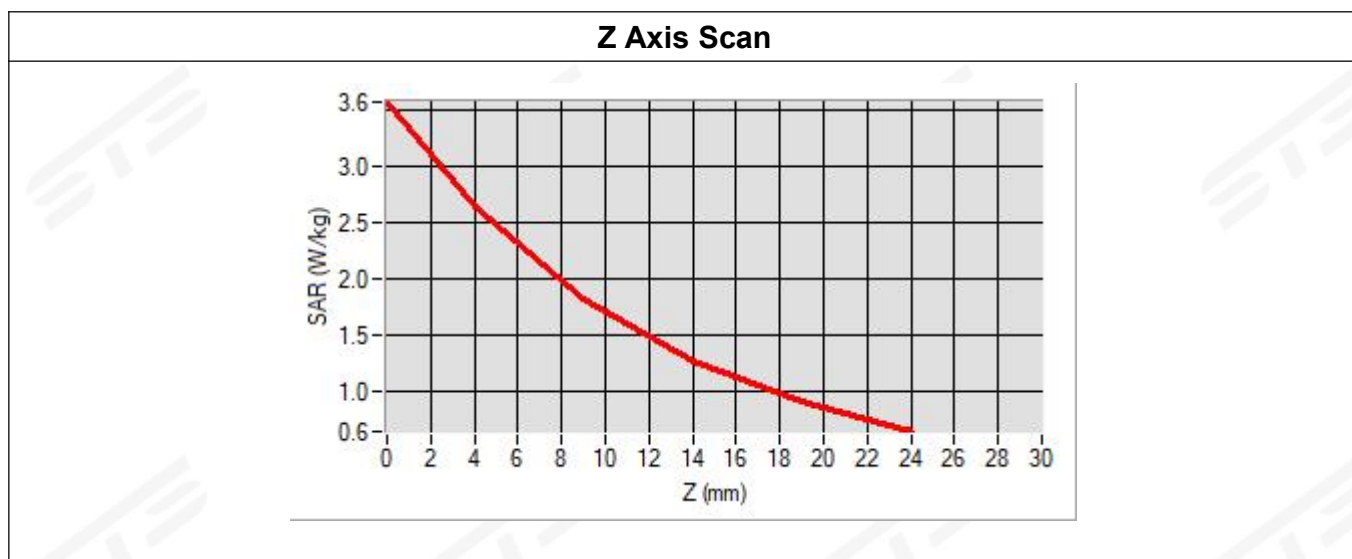
C. SAR Surface and Volume

Maximum location: X=-1.00, Y=2.00 ; SAR Peak: 3.57 W/kg

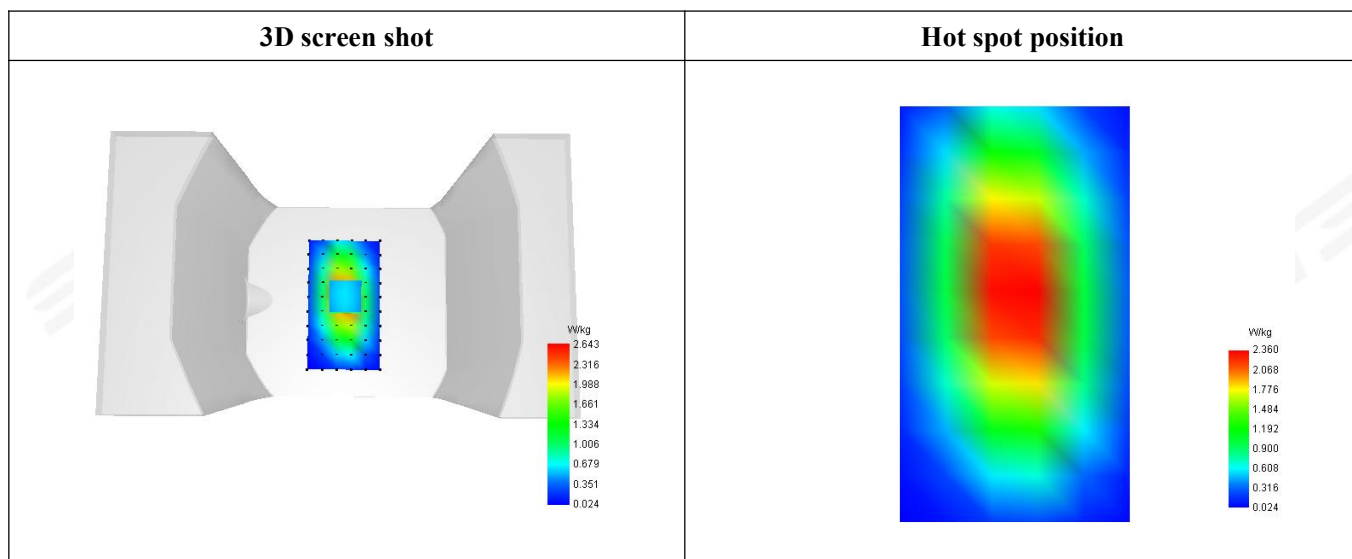
D. SAR 1g & 10g

SAR 10g (W/Kg)	1.618
SAR 1g (W/Kg)	2.583
Variation (%)	-0.360
Horizontal validation criteria: minimum distance (mm)	20.015420
Vertical validation criteria: SAR ratio M2/M1 (%)	61.165461

E. Z Axis Scan



F. 3D Image



**System Performance Check (1800MHz)**

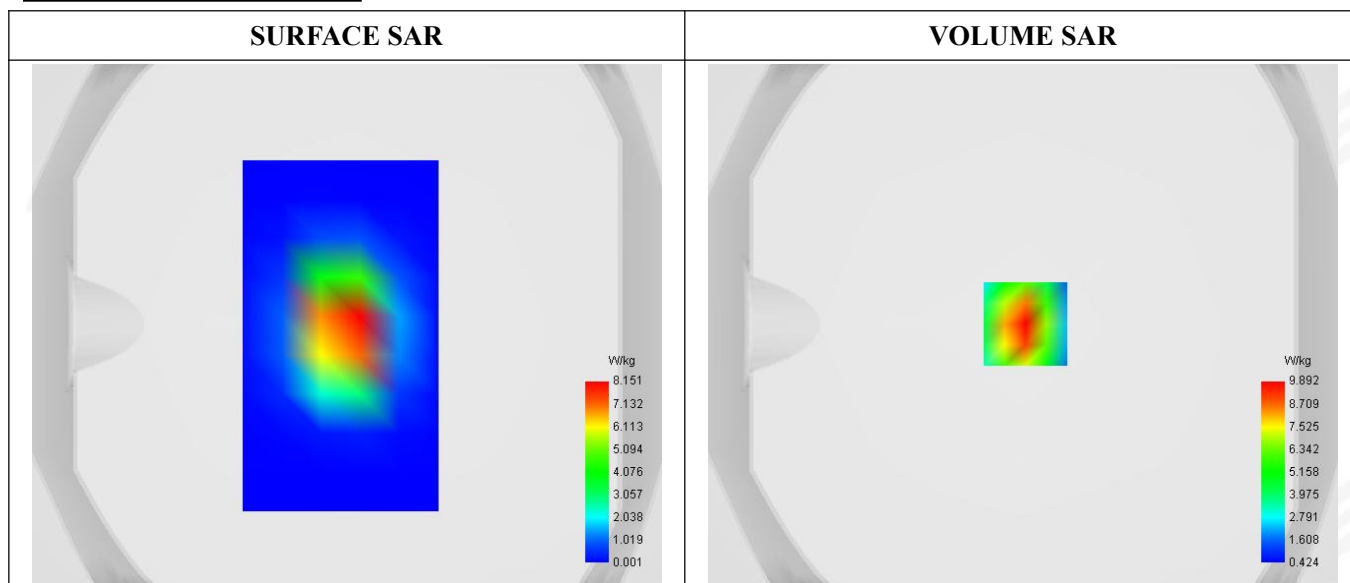
Date of measurement: 04/07/2026

A. Experimental conditions.

E-Field Probe	SATIMO 08/21 EPG0352
ConvF	1.54
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	1800MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	1800
Relative permittivity (real part)	40.98
Conductivity (S/m)	1.41

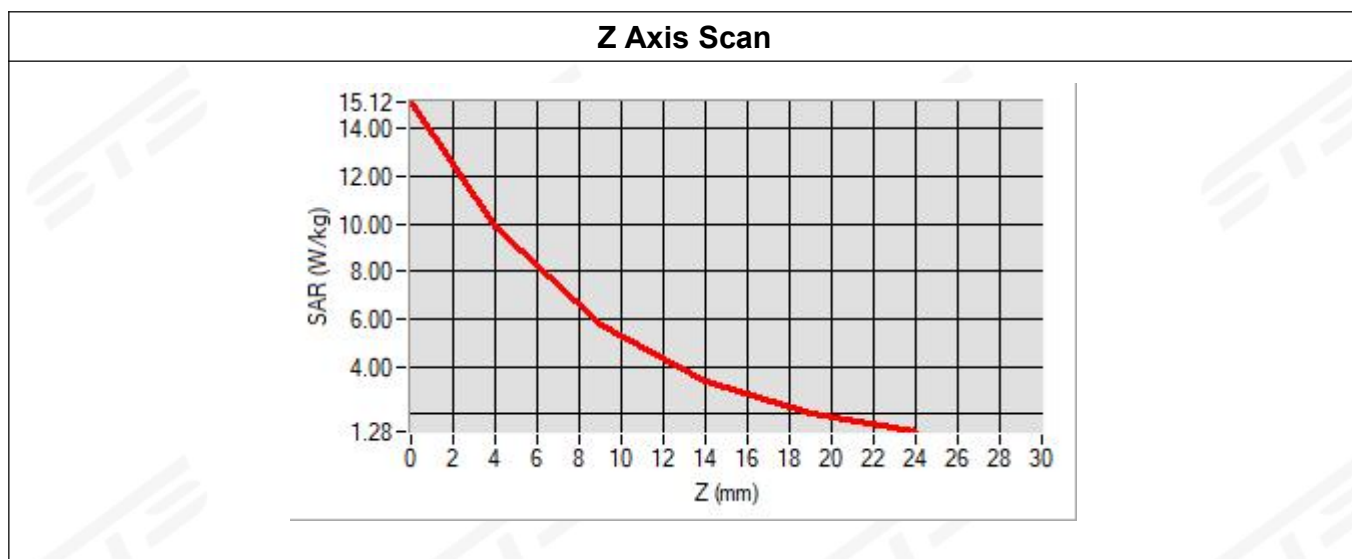
C. SAR Surface and Volume

Maximum location: X=1.00, Y=0.00 ; SAR Peak: 15.24 W/kg

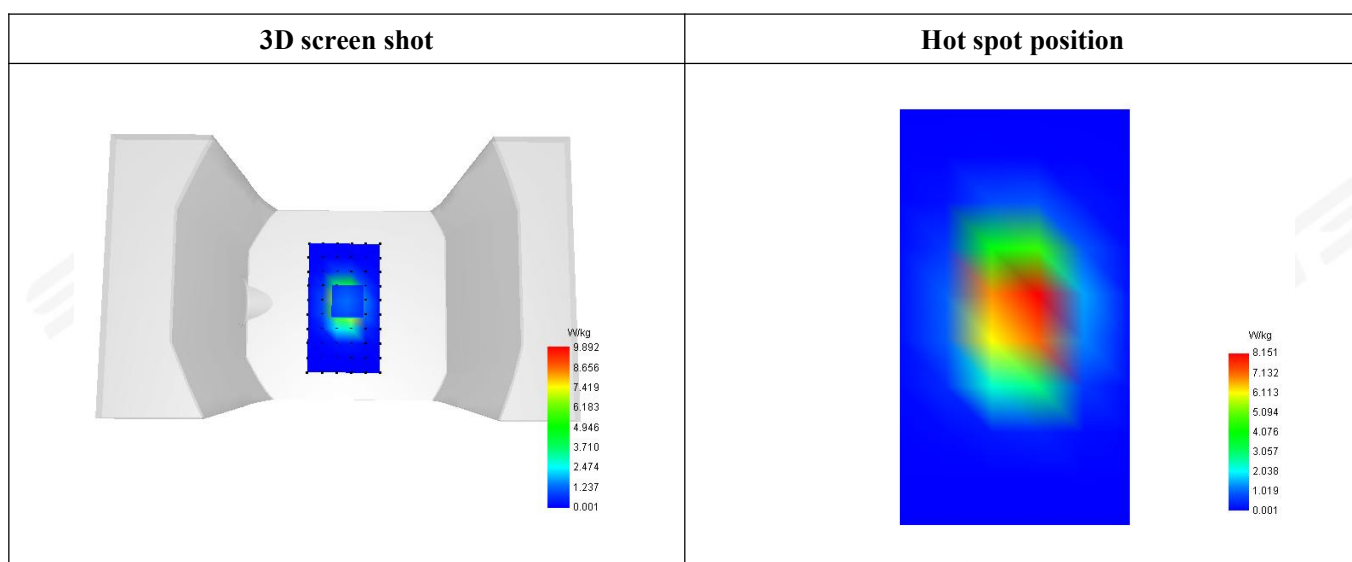
D. SAR 1g & 10g

SAR 10g (W/Kg)	4.946
SAR 1g (W/Kg)	9.192
Variation (%)	1.130
Horizontal validation criteria: minimum distance (mm)	18.111020
Vertical validation criteria: SAR ratio M2/M1 (%)	62.336200

E. Z Axis Scan



F. 3D Image



**System Performance Check (1900MHz)**

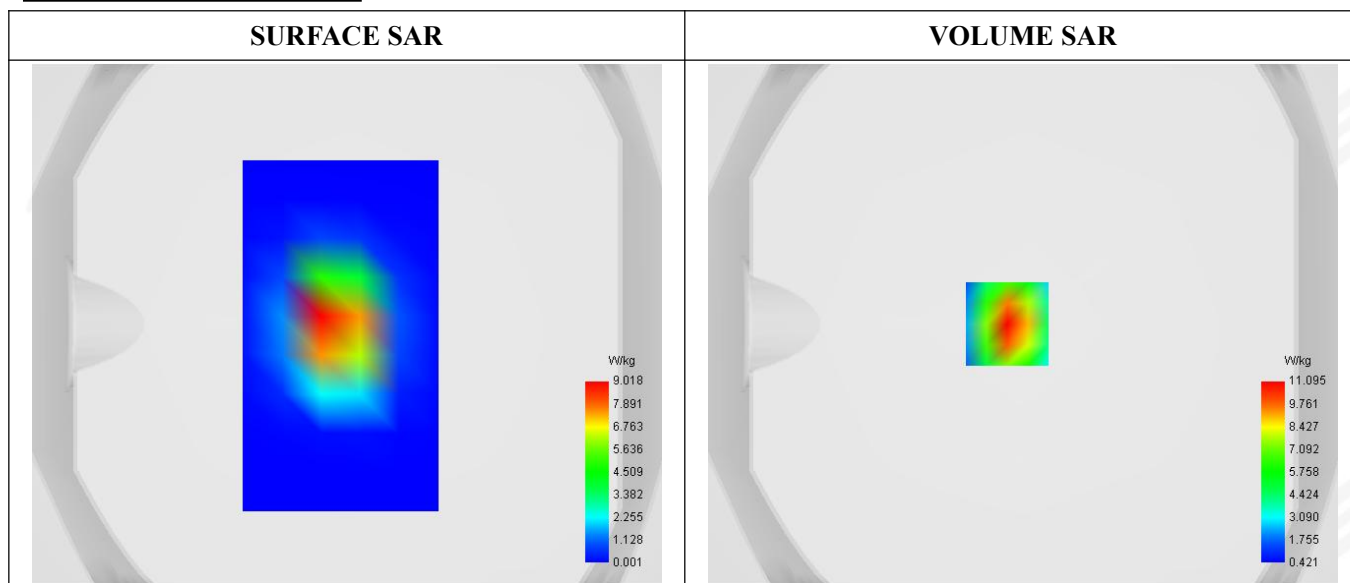
Date of measurement: 04/01/2026

A. Experimental conditions.

E-Field Probe	SATIMO 08/21 EPG0352
ConvF	1.73
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	1900MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	1900
Relative permittivity (real part)	40.23
Conductivity (S/m)	1.39

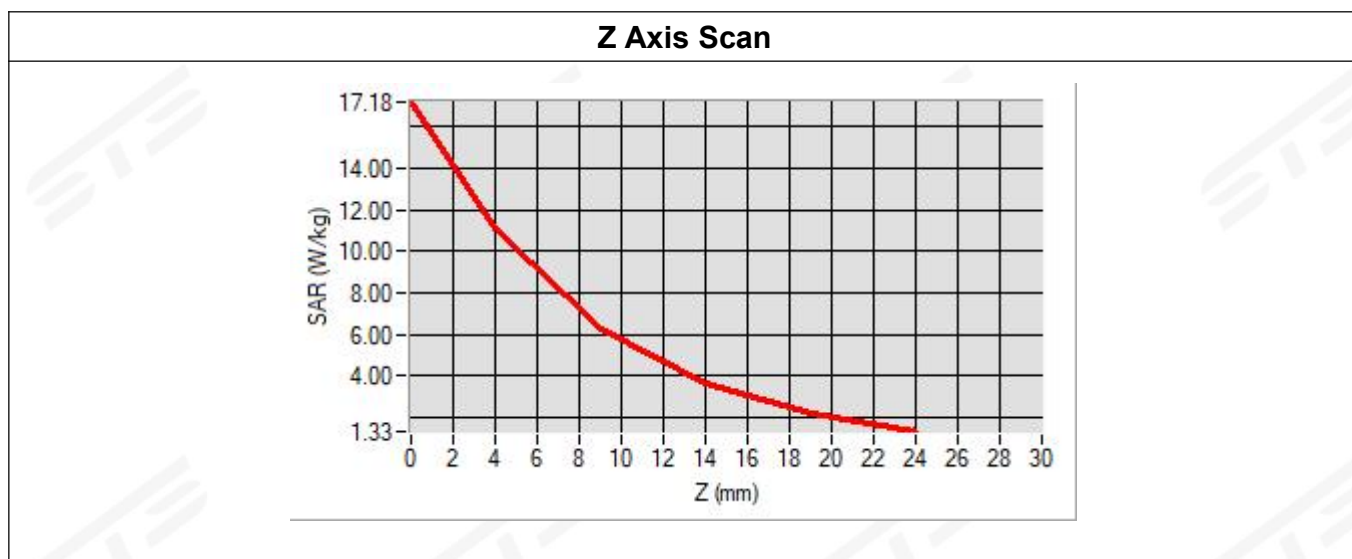
C. SAR Surface and Volume

Maximum location: X=-6.00, Y=0.00 ; SAR Peak: 17.28 W/kg

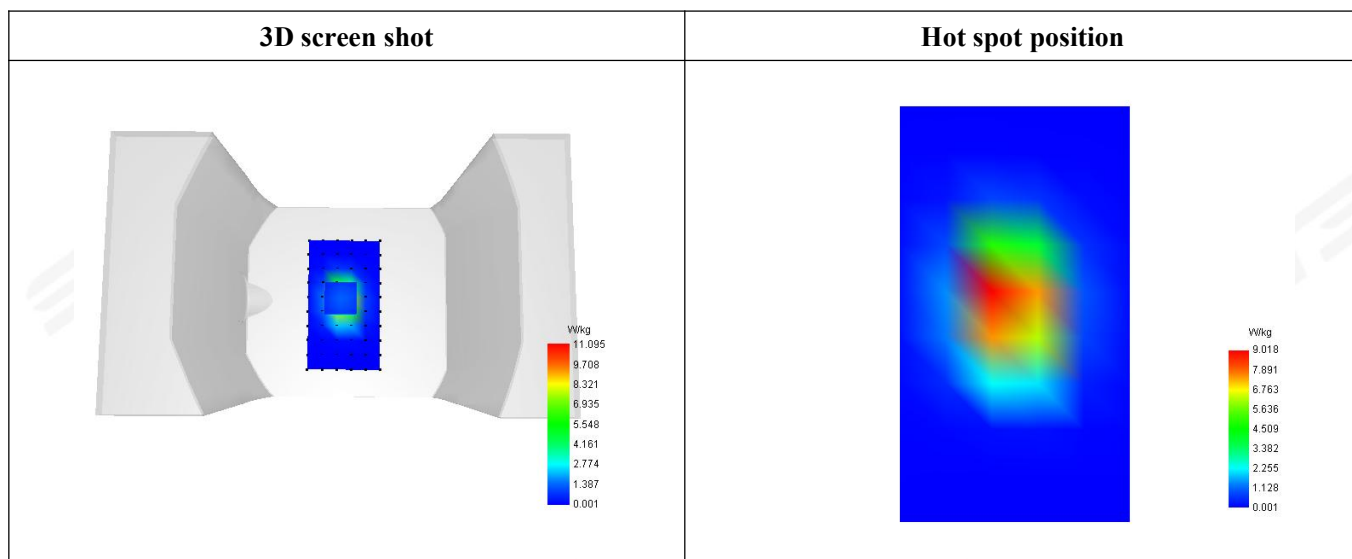
D. SAR 1g & 10g

SAR 10g (W/Kg)	5.481
SAR 1g (W/Kg)	10.582
Variation (%)	-0.120
Horizontal validation criteria: minimum distance (mm)	17.841020
Vertical validation criteria: SAR ratio M2/M1 (%)	56.235000

E. Z Axis Scan



F. 3D Image



**System Performance Check (1900MHz)**

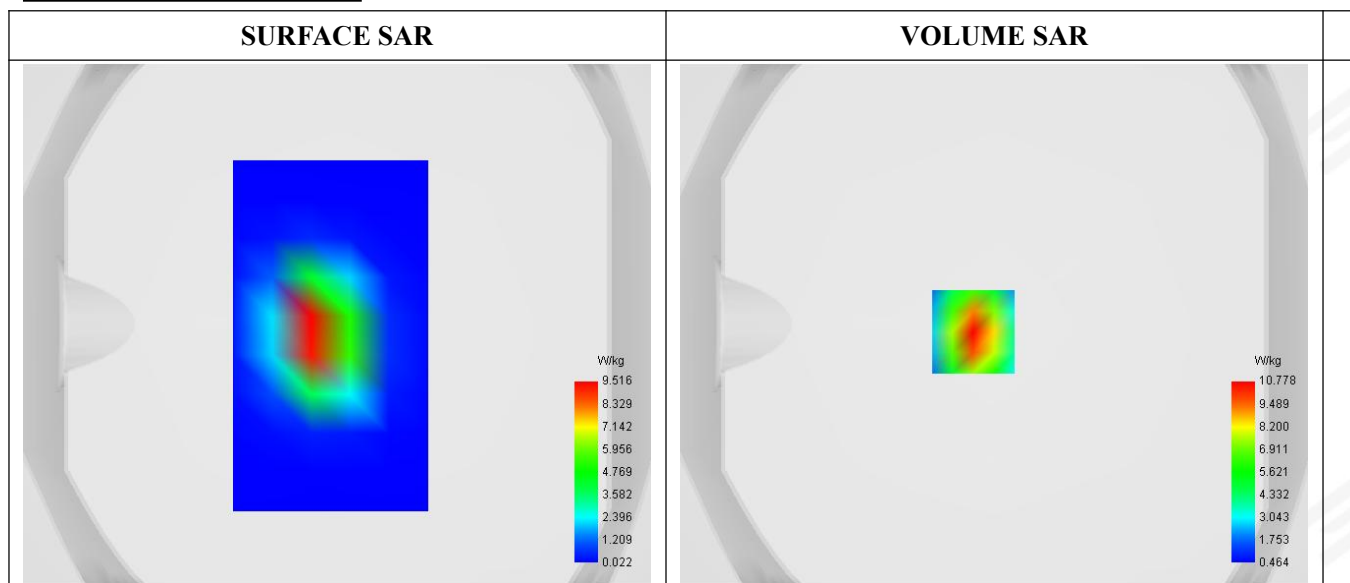
Date of measurement: 05/20/2026

A. Experimental conditions.

E-Field Probe	SATIMO 08/21 EPG0352
ConvF	1.73
Area Scan	dx=8mm dy=8mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	1900MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	1900
Relative permittivity (real part)	39.78
Conductivity (S/m)	1.41

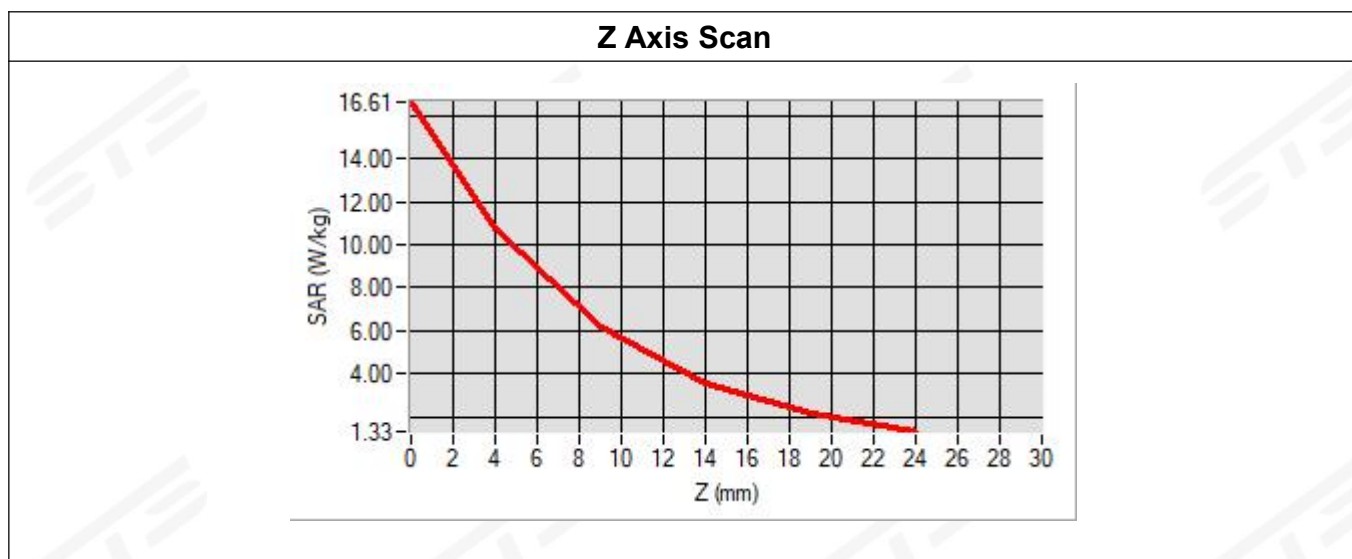
C. SAR Surface and Volume

Maximum location: X=-8.00, Y=3.00 ; SAR Peak: 16.66 W/kg

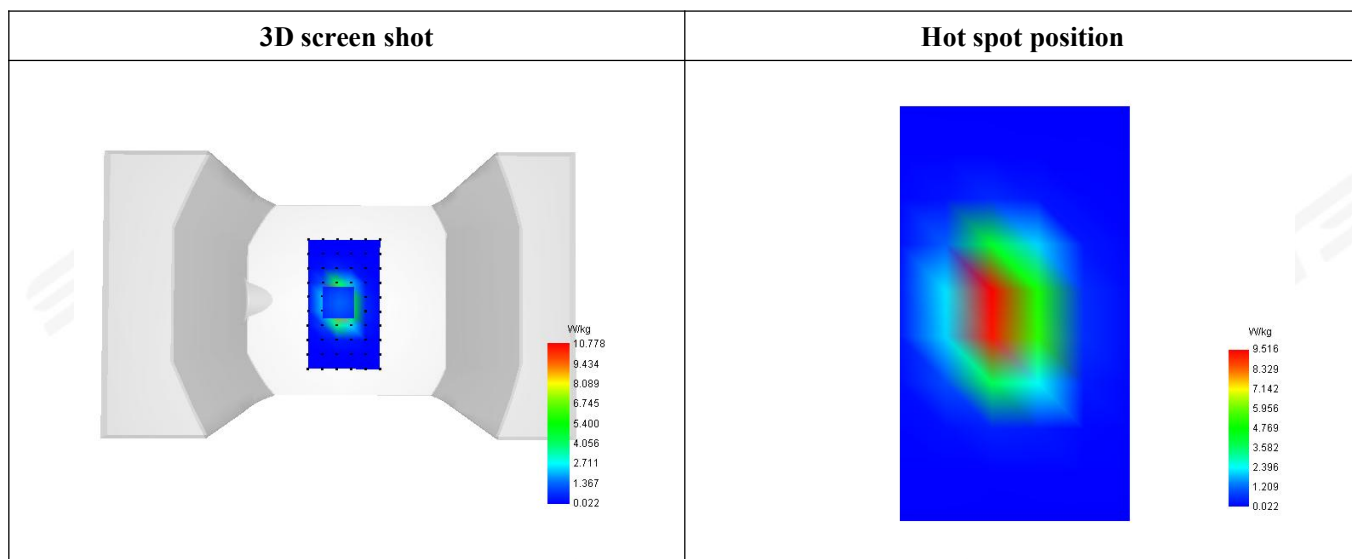
D. SAR 1g & 10g

SAR 10g (W/Kg)	5.342
SAR 1g (W/Kg)	10.238
Variation (%)	-1.310
Horizontal validation criteria: minimum distance (mm)	16.760930
Vertical validation criteria: SAR ratio M2/M1 (%)	50.227776

E. Z Axis Scan



F. 3D Image



**System Performance Check (2450MHz)**

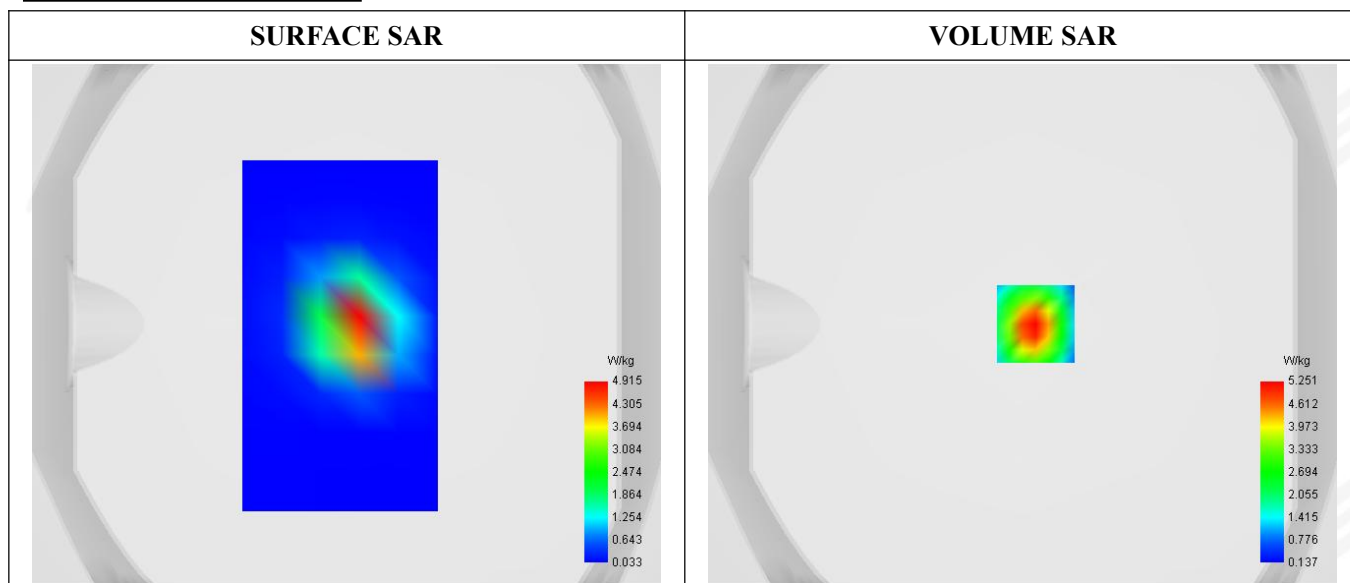
Date of measurement: 05/15/2026

A. Experimental conditions.

E-Field Probe	SATIMO 08/21 EPG0352
ConvF	1.82
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	2450MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	2450
Relative permittivity (real part)	38.76
Conductivity (S/m)	1.81

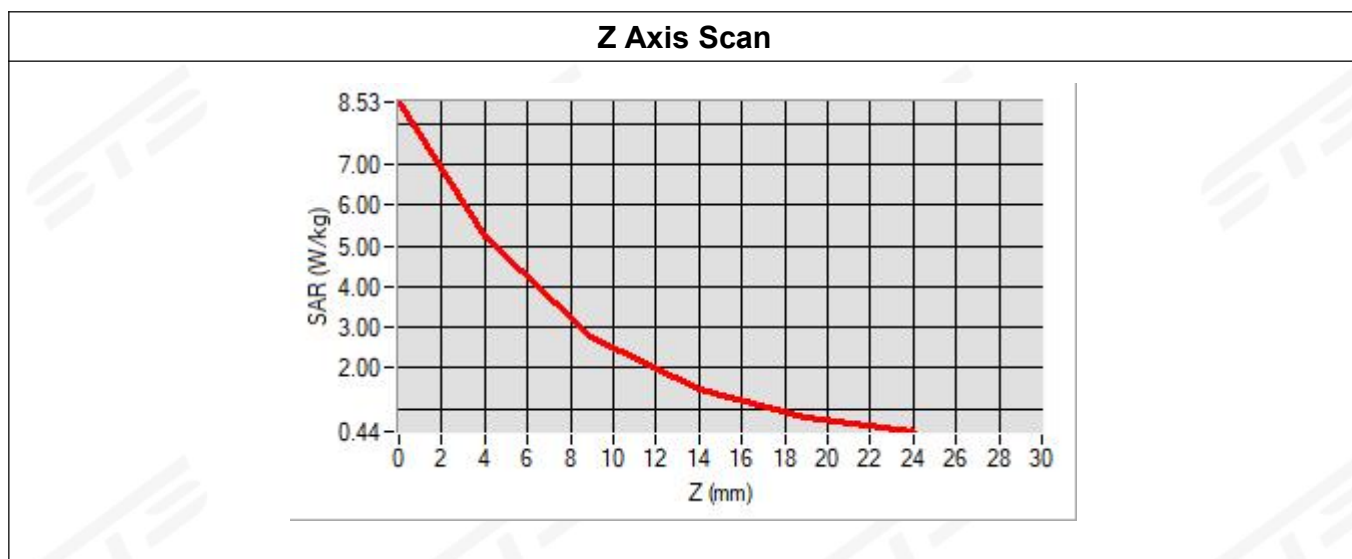
C. SAR Surface and Volume

Maximum location: X=5.00, Y=0.00 ; SAR Peak: 8.58 W/kg

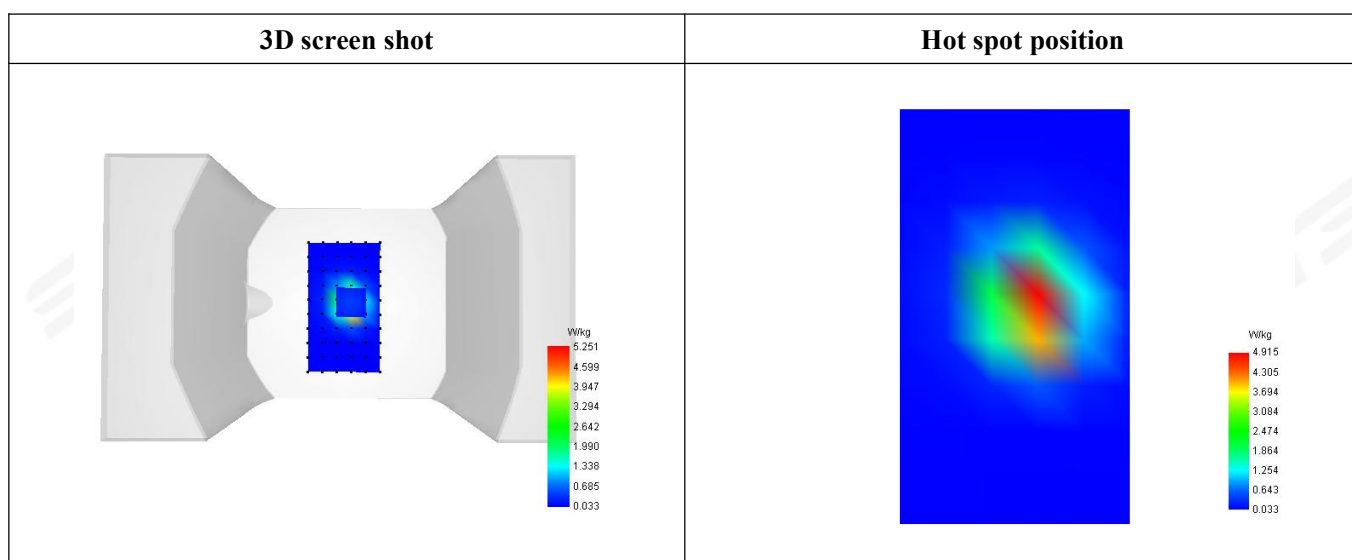
D. SAR 1g & 10g

SAR 10g (W/Kg)	2.521
SAR 1g (W/Kg)	5.039
Variation (%)	0.020
Horizontal validation criteria: minimum distance (mm)	12.844084
Vertical validation criteria: SAR ratio M2/M1 (%)	45.617317

E. Z Axis Scan



F. 3D Image



**System Performance Check (3500MHz)**

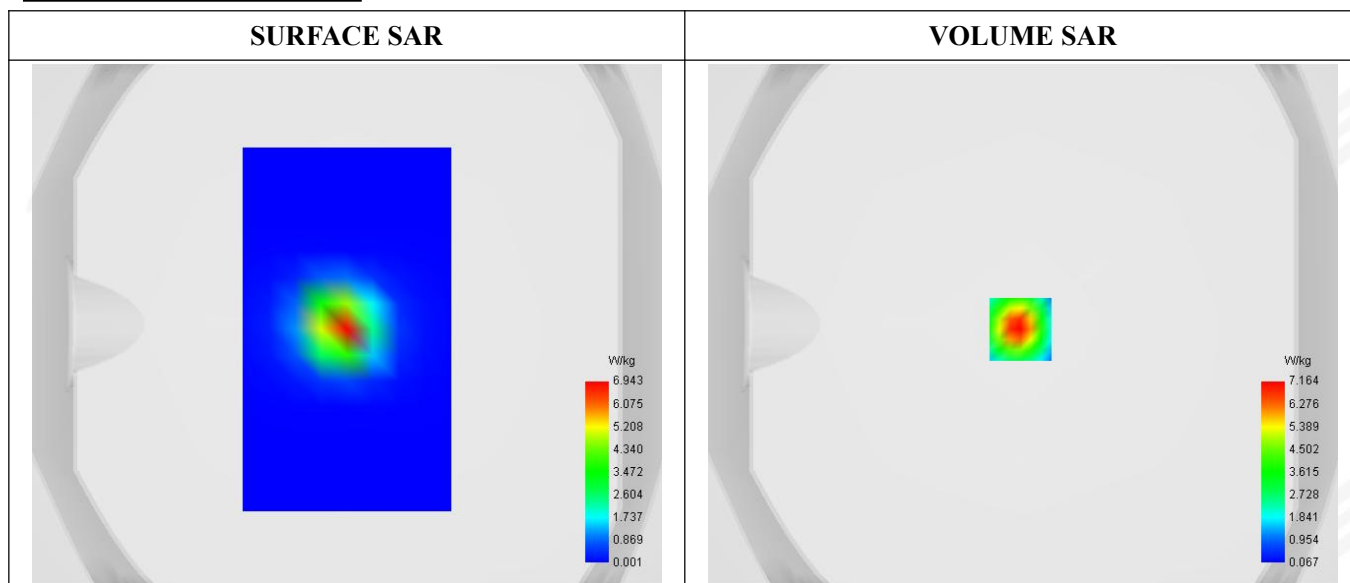
Date of measurement: 04/02/2026

A. Experimental conditions.

E-Field Probe	SATIMO 08/21 EPG0352
ConvF	1.42
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	3500MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	3500
Relative permittivity (real part)	37.39
Conductivity (S/m)	2.95

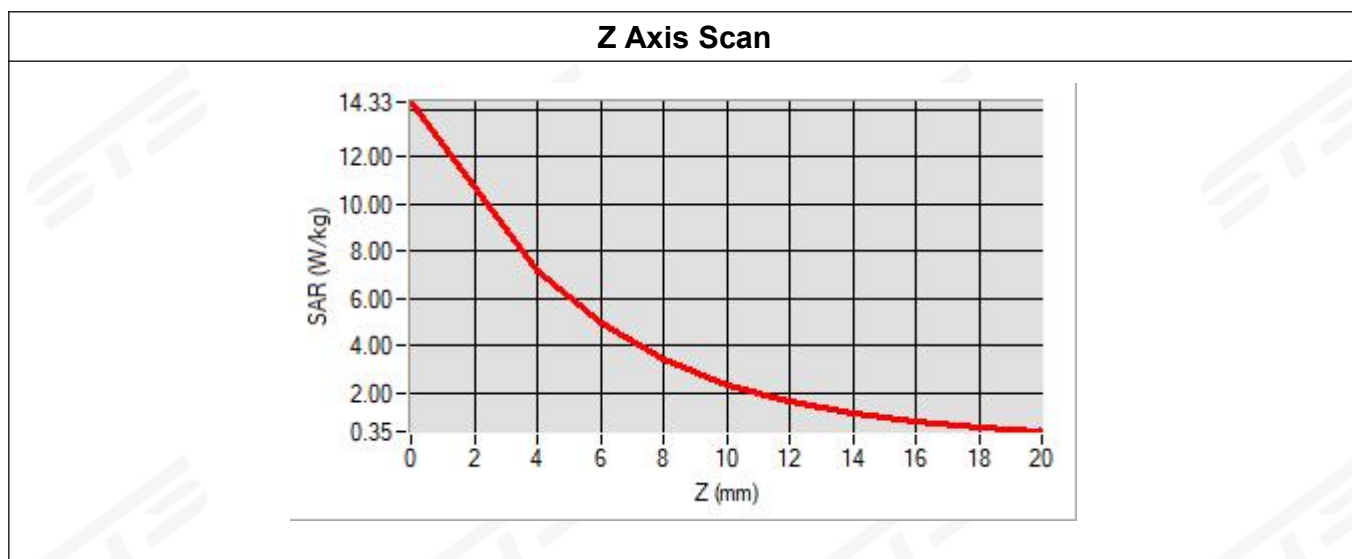
C. SAR Surface and Volume

Maximum location: X=-1.00, Y=-2.00 ; SAR Peak: 14.41 W/kg

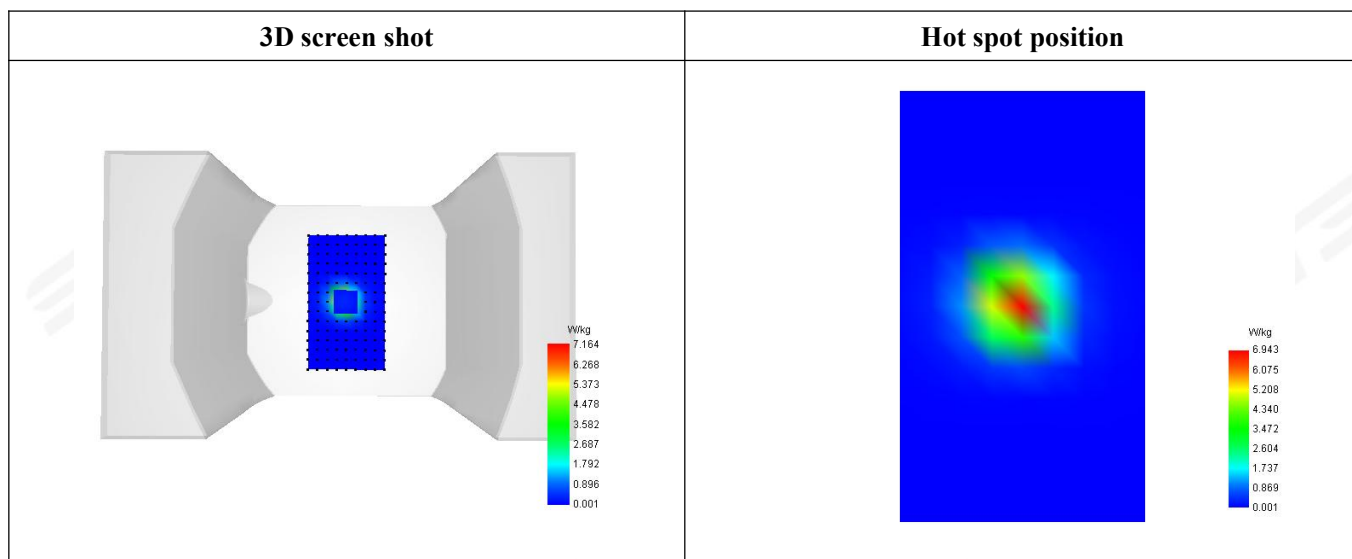
D. SAR 1g & 10g

SAR 10g (W/Kg)	2.505
SAR 1g (W/Kg)	6.415
Variation (%)	0.030
Horizontal validation criteria: minimum distance (mm)	20.777720
Vertical validation criteria: SAR ratio M2/M1 (%)	61.291333

E. Z Axis Scan



F. 3D Image



**System Performance Check (3700MHz)**

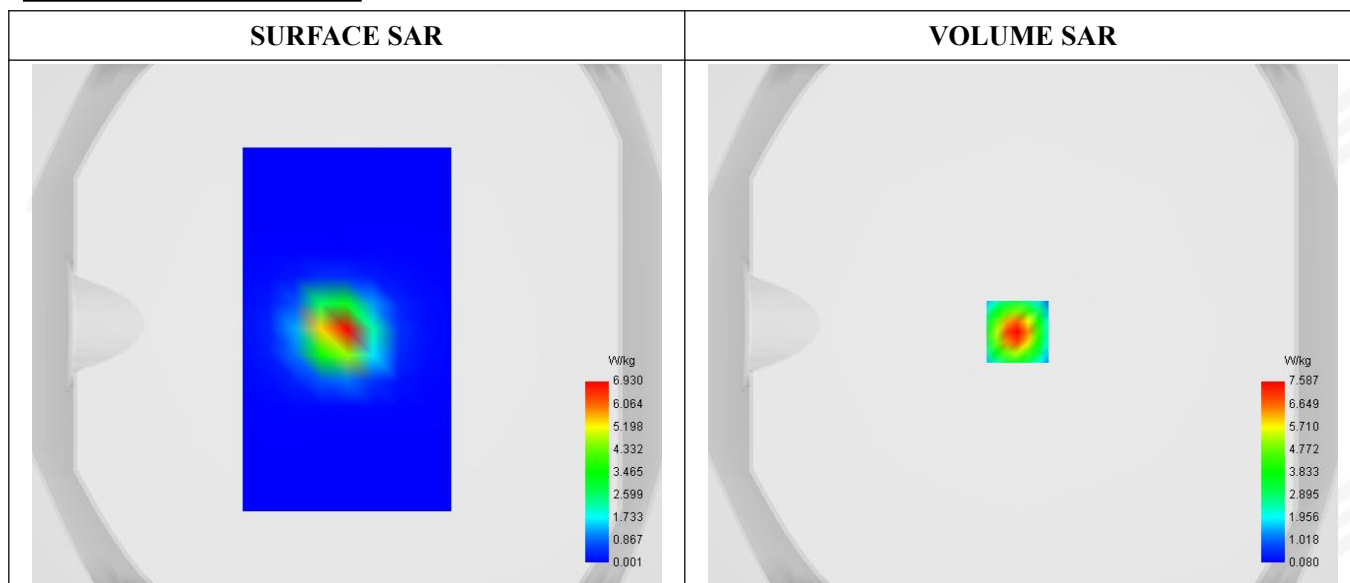
Date of measurement: 04/02/2026

A. Experimental conditions.

E-Field Probe	SATIMO 08/21 EPG0352
ConvF	1.33
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	3700MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	3700
Relative permittivity (real part)	37.20
Conductivity (S/m)	3.19

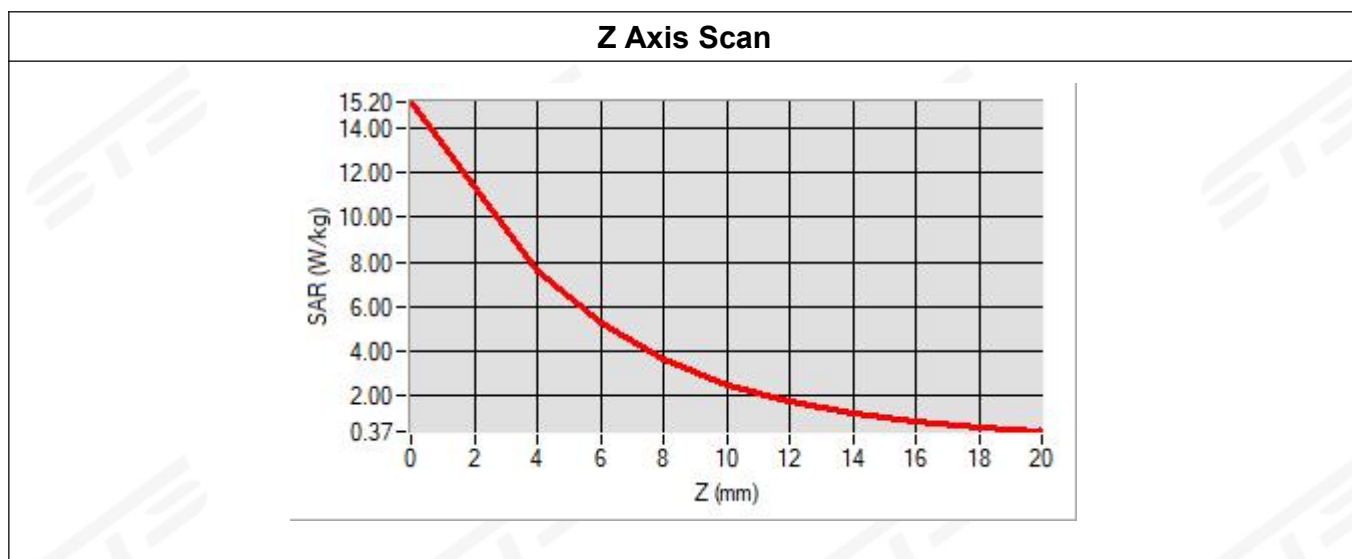
C. SAR Surface and Volume

Maximum location: X=-2.00, Y=-3.00 ; SAR Peak: 15.17 W/kg

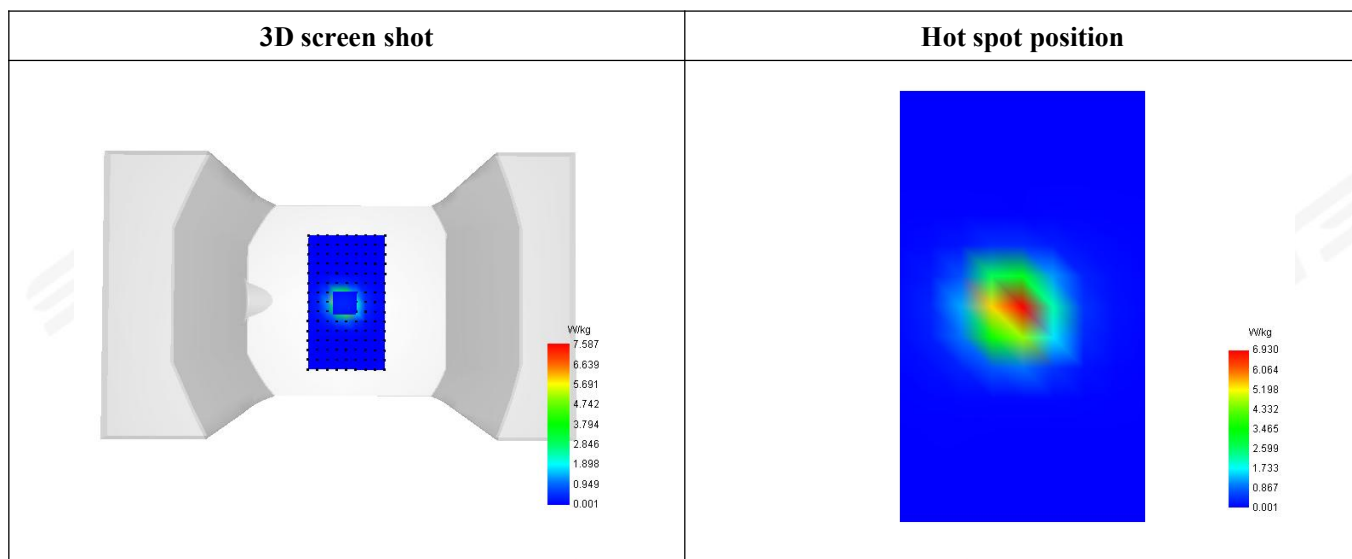
D. SAR 1g & 10g

SAR 10g (W/Kg)	2.558
SAR 1g (W/Kg)	6.716
Variation (%)	0.260
Horizontal validation criteria: minimum distance (mm)	19.336521
Vertical validation criteria: SAR ratio M2/M1 (%)	58.212120

E. Z Axis Scan



F. 3D Image



**System Performance Check (3900MHz)**

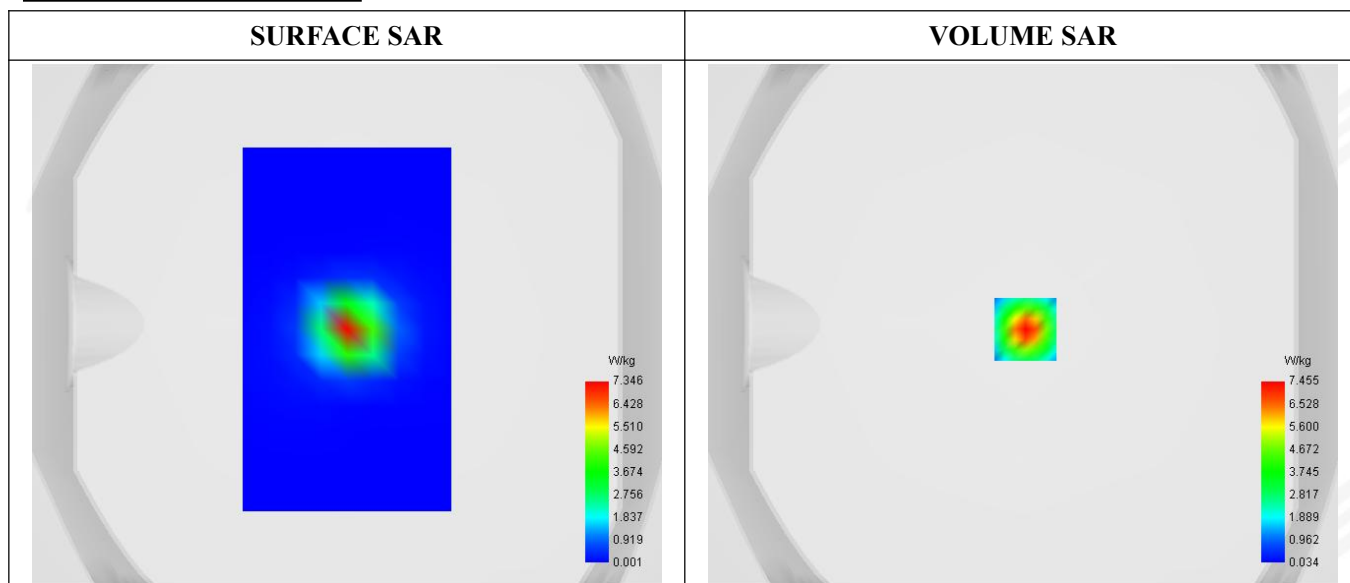
Date of measurement: 04/02/2026

A. Experimental conditions.

E-Field Probe	SATIMO 08/21 EPG0352
ConvF	1.12
Area Scan	dx=8mm dy=8mm
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	3900MHz
Channels	Middle
Signal	CW(Crest factor: 1.0)

B. Permittivity

Frequency (MHz)	3900
Relative permittivity (real part)	37.02
Conductivity (S/m)	3.40

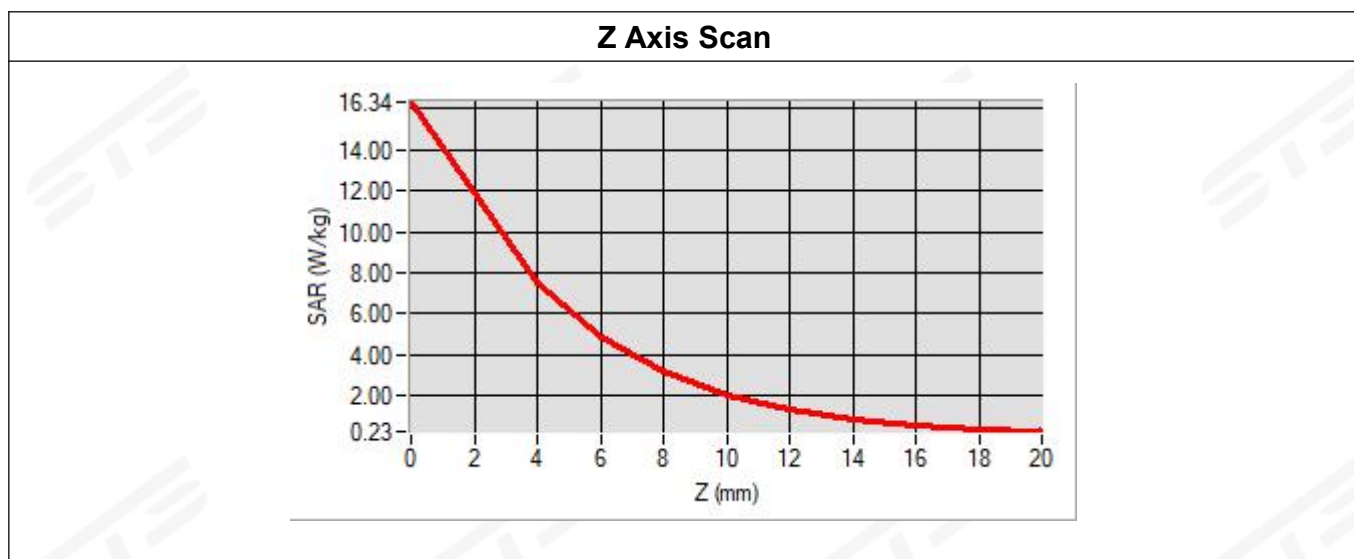
C. SAR Surface and Volume

Maximum location: X=1.00, Y=-2.00 ; SAR Peak: 16.27 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	2.401
SAR 1g (W/Kg)	6.827
Variation (%)	0.180
Horizontal validation criteria: minimum distance (mm)	22.333214
Vertical validation criteria: SAR ratio M2/M1 (%)	63.015221

E. Z Axis Scan



F. 3D Image

