



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

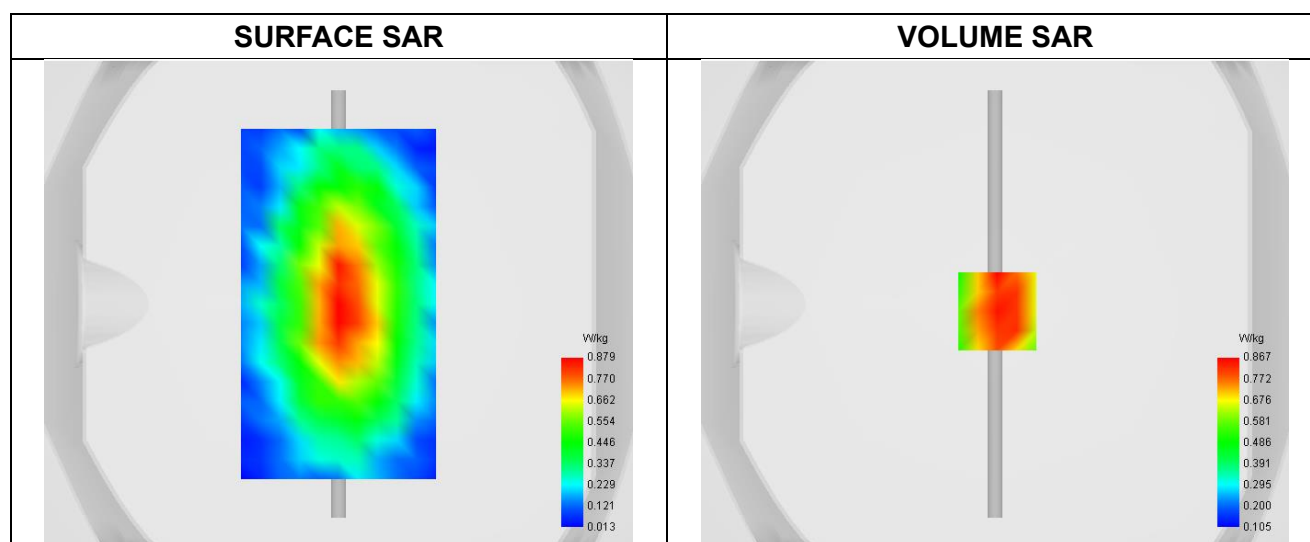
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-03-22

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.11
Conductivity (S/m)	0.87
Probe	SN 04/22 EPGO364
ConvF	1.67
Crest factor:	1:1

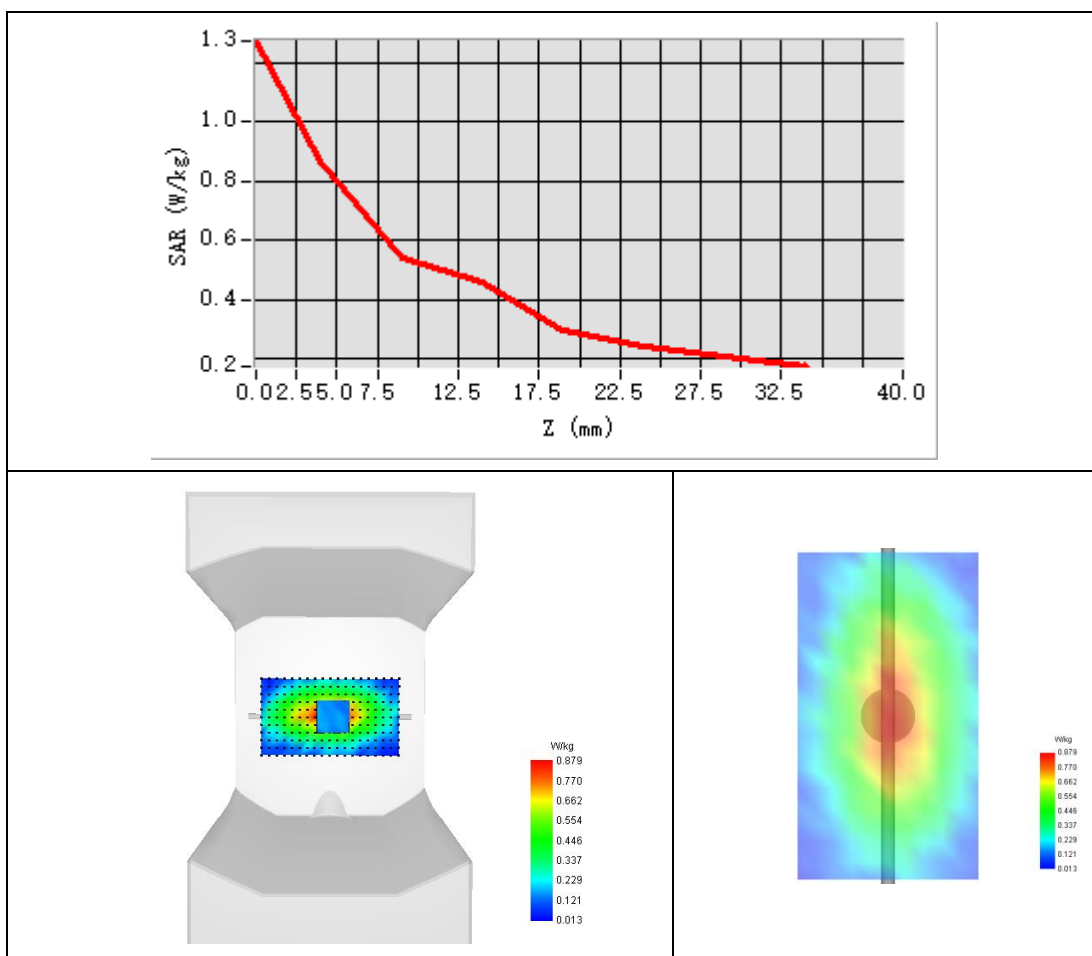


Maximum location: X=1.00, Y=-3.00 ; SAR Peak: 1.28 W/kg

SAR 10g (W/Kg)	0.570
SAR 1g (W/Kg)	0.841



Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

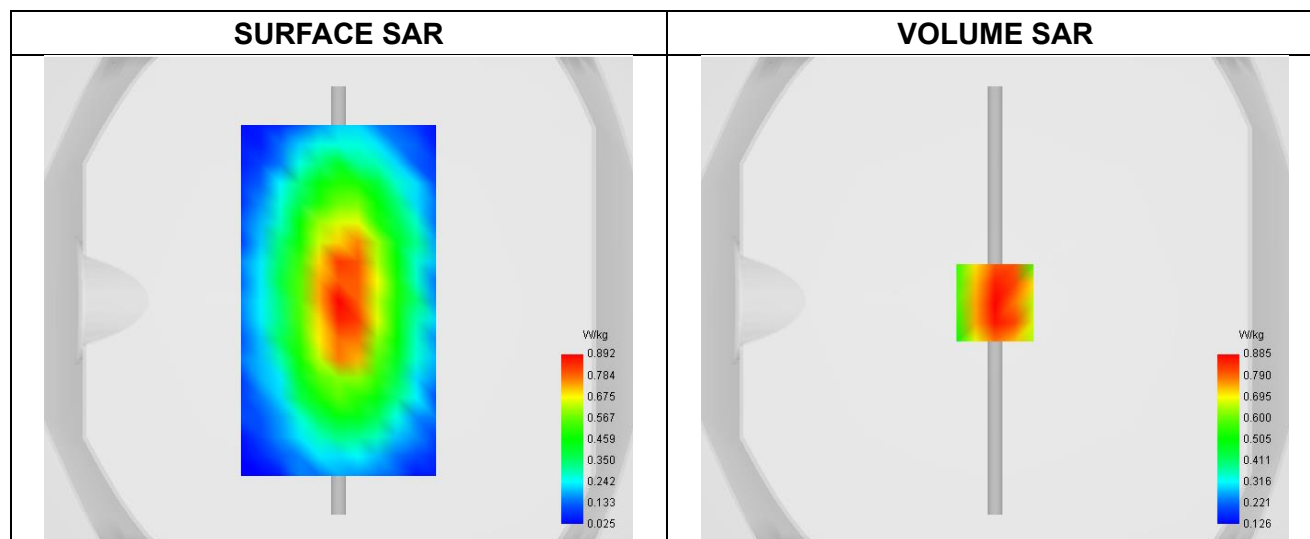
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-11

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.40
Conductivity (S/m)	0.90
Probe	SN 04/22 EPGO364
ConvF	1.67
Crest factor:	1:1

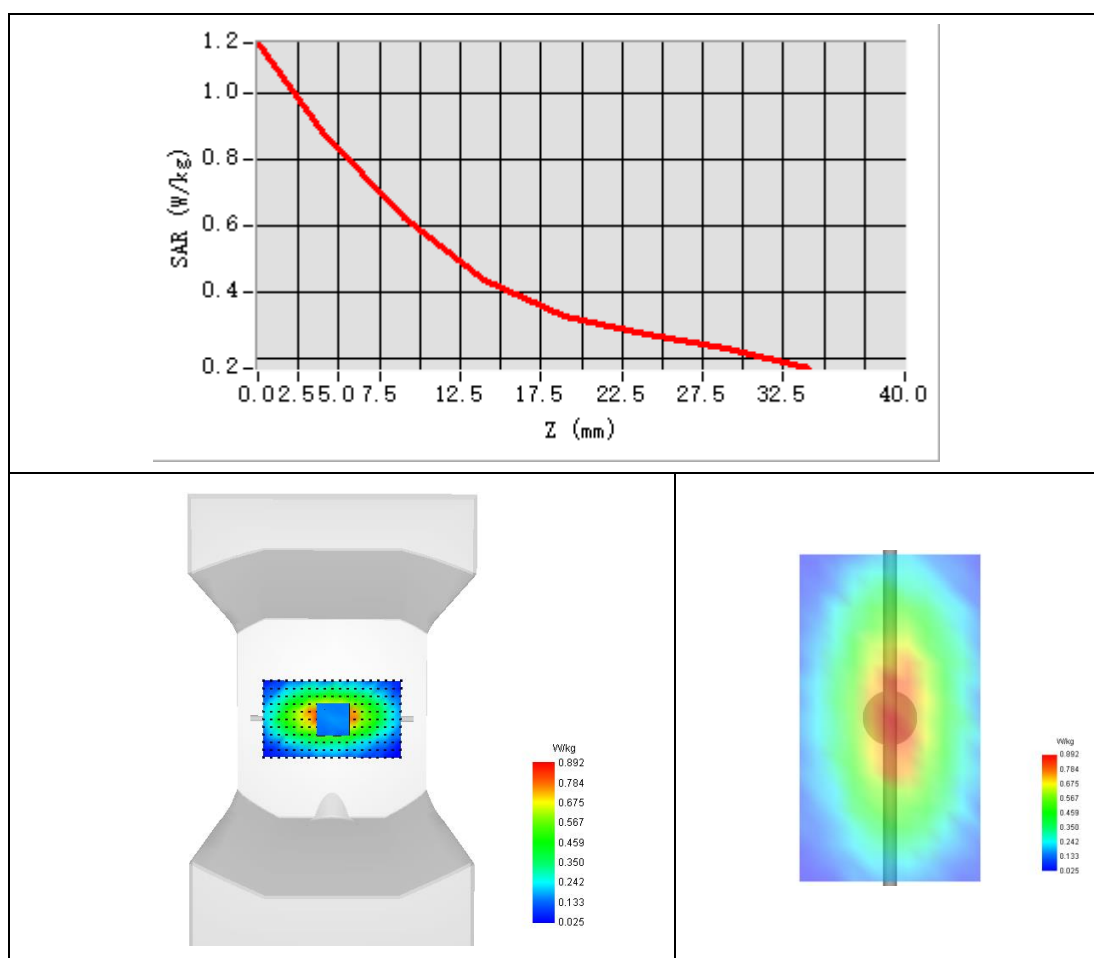


Maximum location: X=0.00, Y=-1.00 ; SAR Peak: 1.17 W/kg

SAR 10g (W/Kg)	0.574
SAR 1g (W/Kg)	0.826



Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

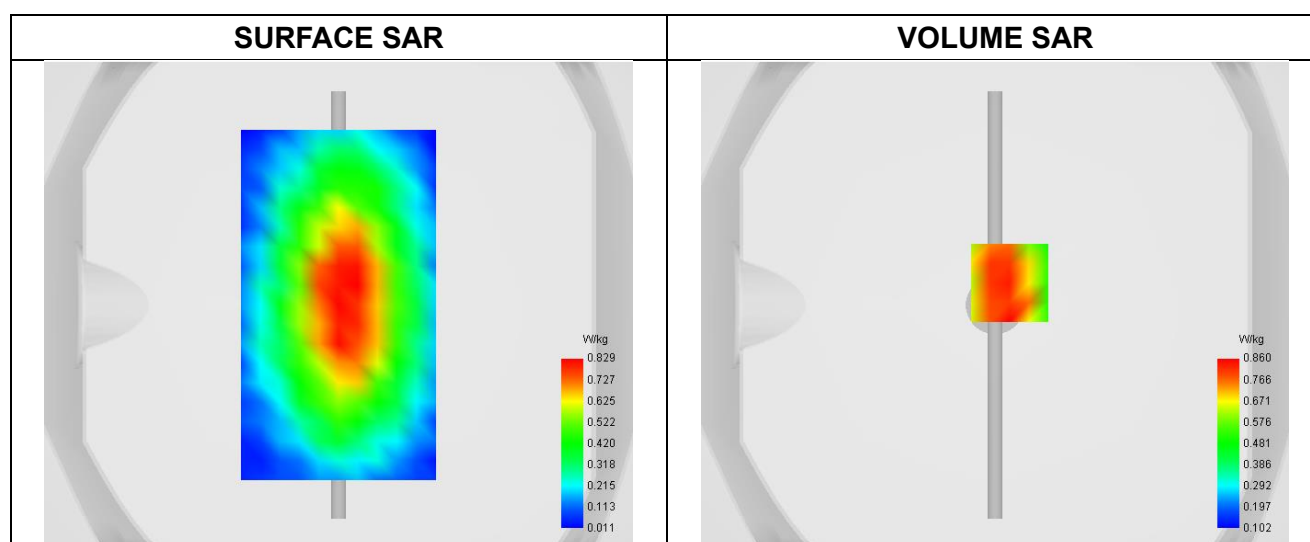
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-03-24

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.90
Conductivity (S/m)	0.92
Probe	SN 04/22 EPG0364
ConvF	1.67
Crest factor:	1:1

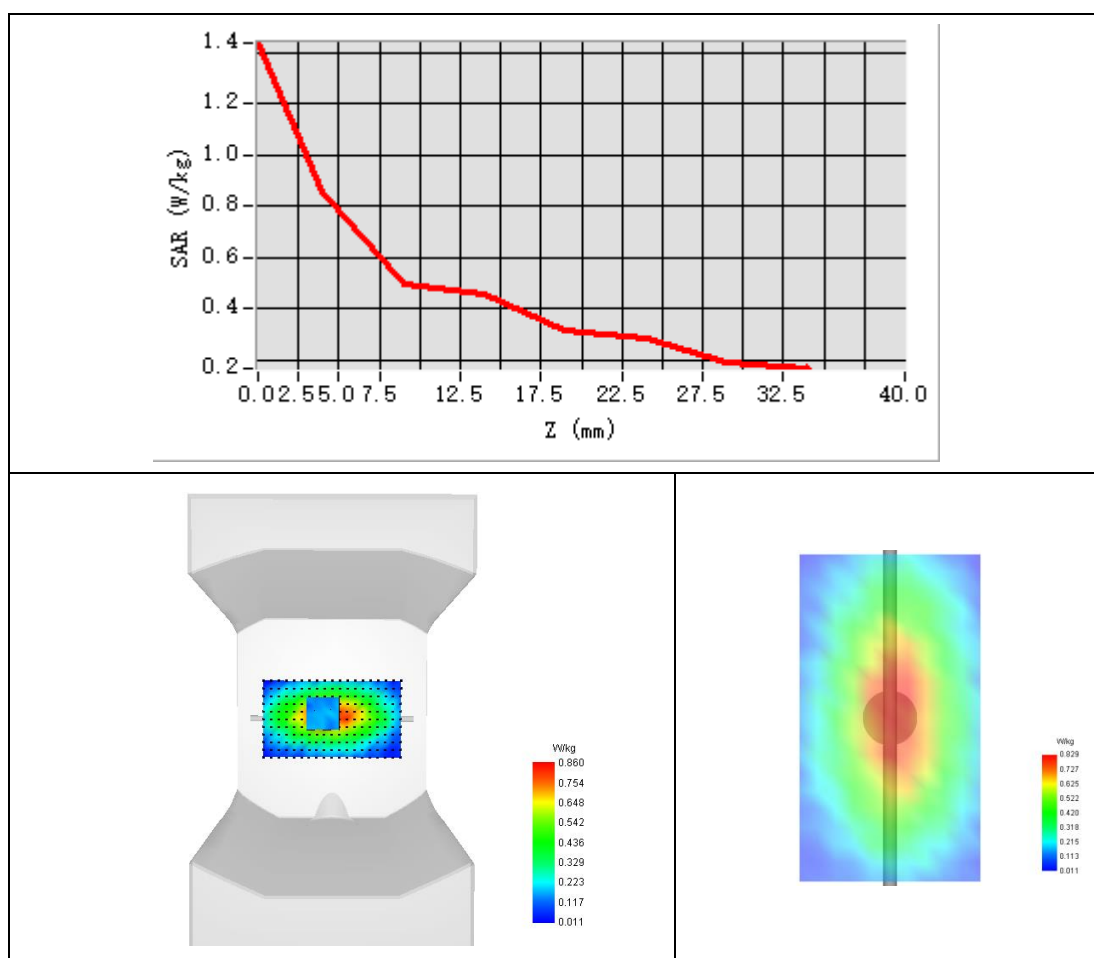


Maximum location: X=6.00, Y=9.00 ; SAR Peak: 1.23 W/kg

SAR 10g (W/Kg)	0.553
SAR 1g (W/Kg)	0.824



Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

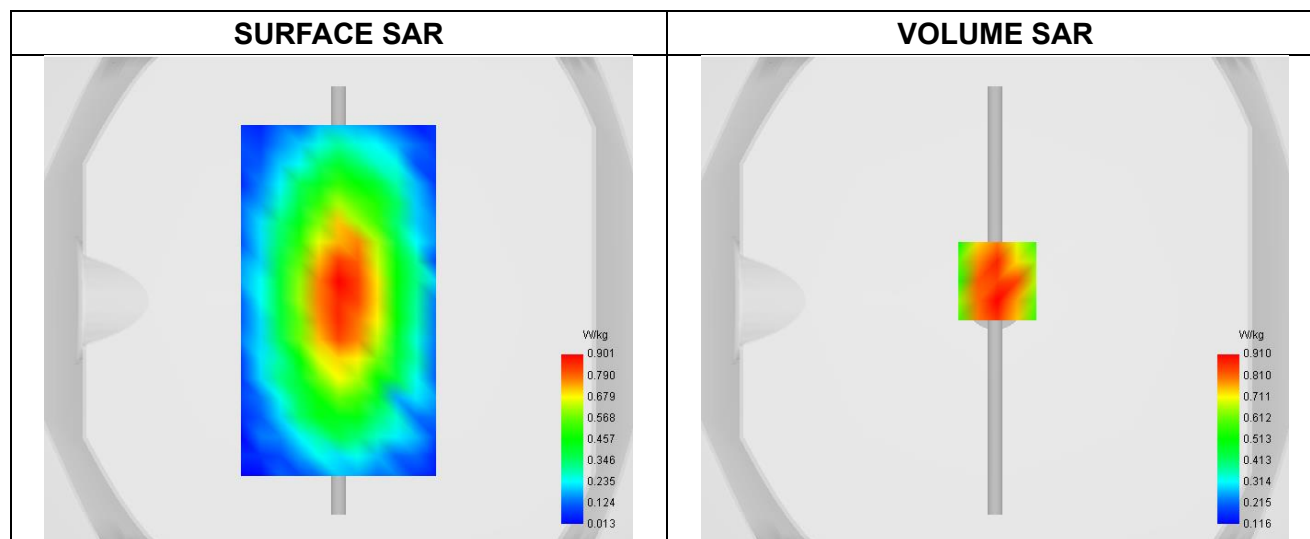
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-15

Experimental conditions.

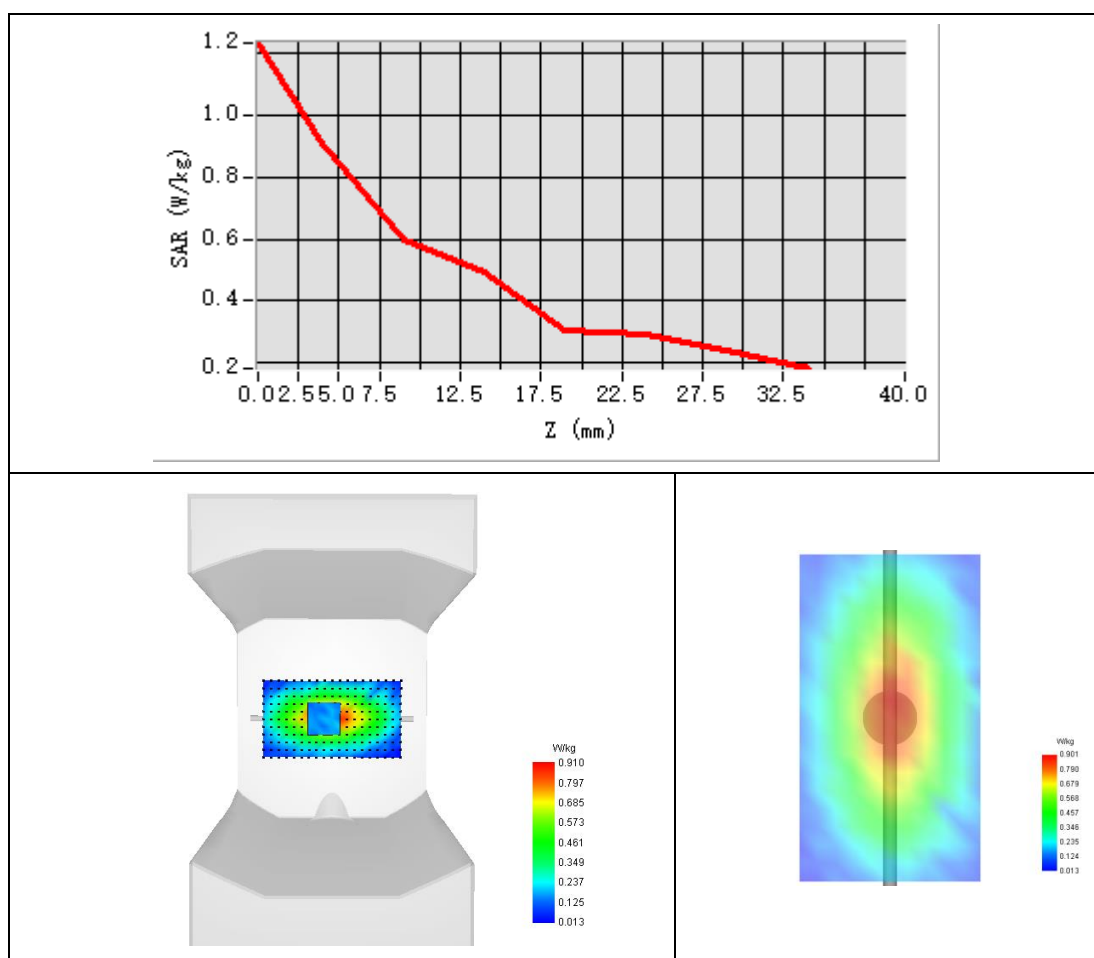
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	42.17
Conductivity (S/m)	0.86
Probe	SN 04/22 EPGO364
ConvF	1.67
Crest factor:	1:1



Maximum location: X=1.00, Y=8.00 ; SAR Peak: 1.17 W/kg

SAR 10g (W/Kg)	0.553
SAR 1g (W/Kg)	0.800

Z Axis Scan





System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

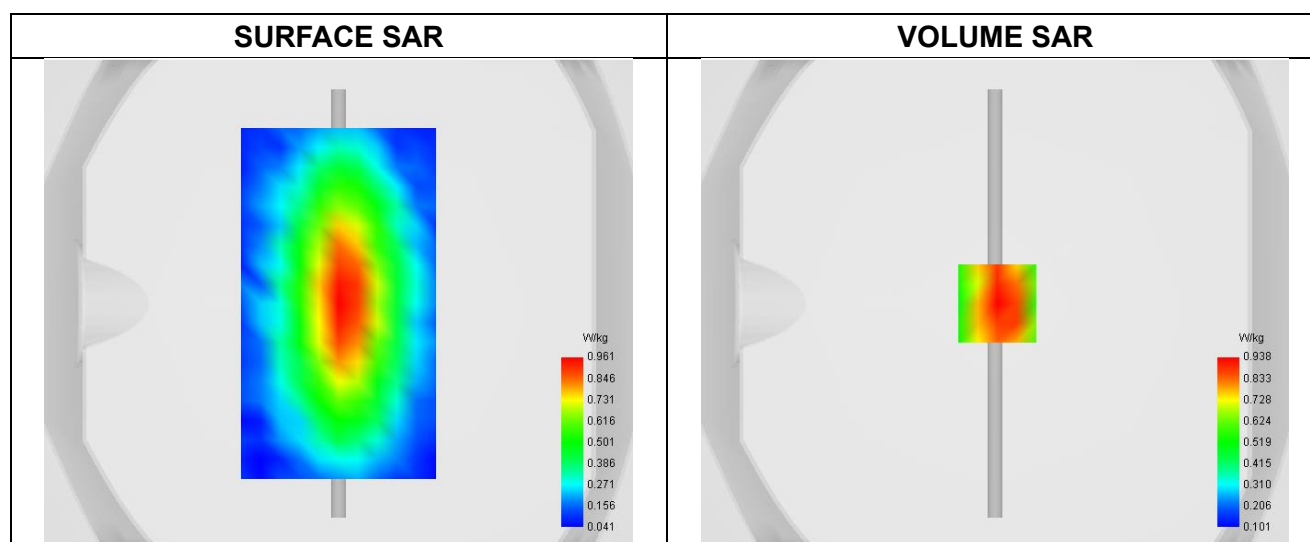
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-07

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels	Middle
Signal	CW
Frequency (MHz)	750.000
Relative permittivity	41.92
Conductivity (S/m)	0.85
Probe	SN 04/22 EPGO364
ConvF	1.67
Crest factor:	1:1

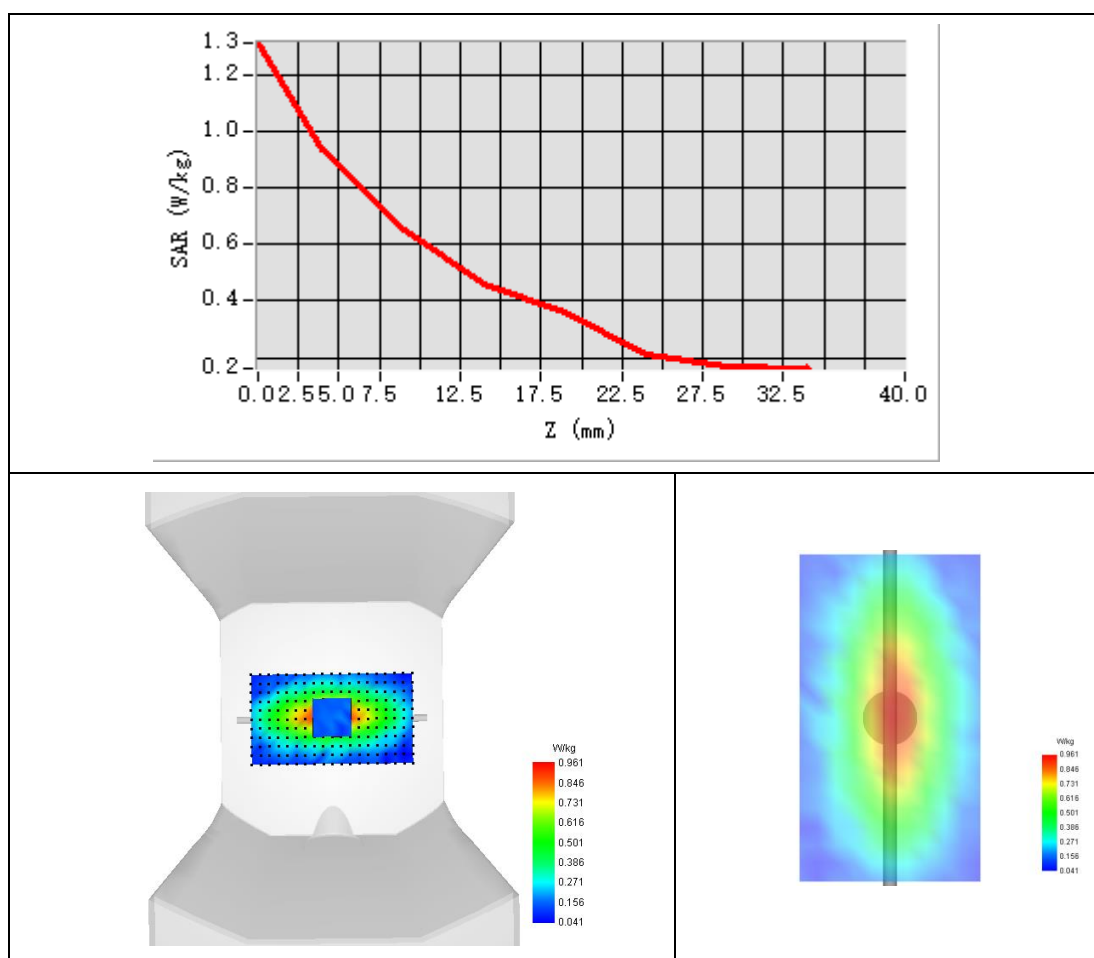


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 1.44 W/kg

SAR 10g (W/Kg)	0.547
SAR 1g (W/Kg)	0.835



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

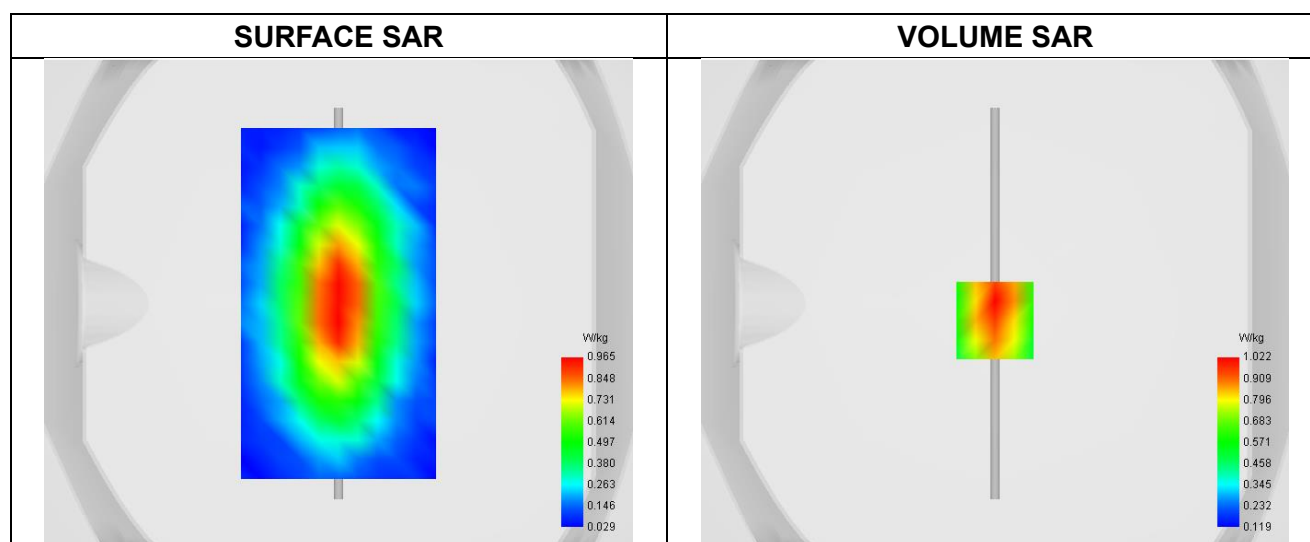
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-03-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.89
Conductivity (S/m)	0.91
Probe	SN 04/22 EPGO364
ConvF	1.72
Crest factor:	1:1

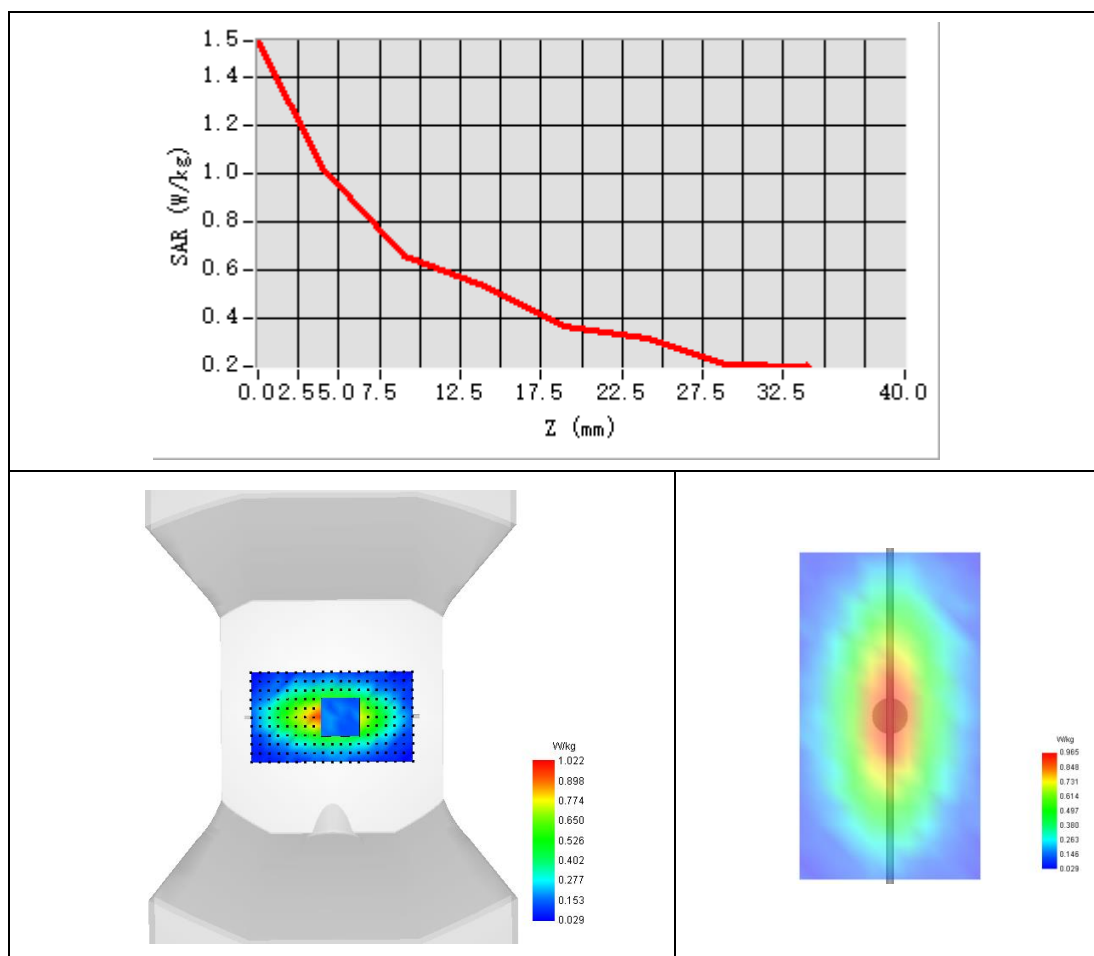


Maximum location: X=0.00, Y=-7.00 ; SAR Peak: 1.49 W/kg

SAR 10g (W/Kg)	0.639
SAR 1g (W/Kg)	0.988



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

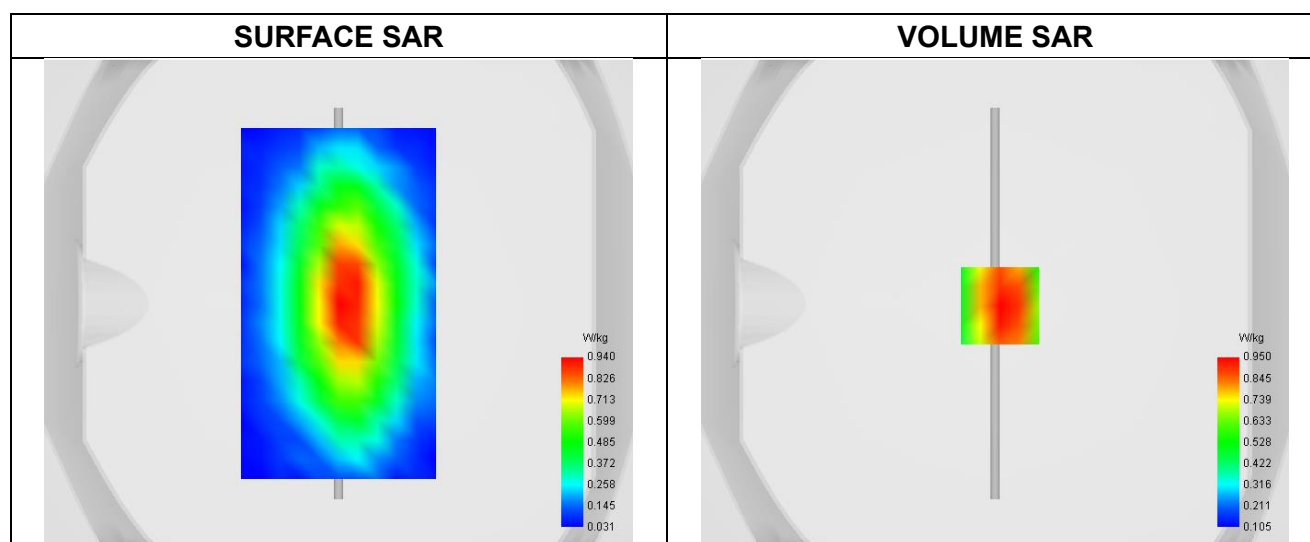
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-17

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	41.66
Conductivity (S/m)	0.88
Probe	SN 04/22 EPGO364
ConvF	1.72
Crest factor:	1:1

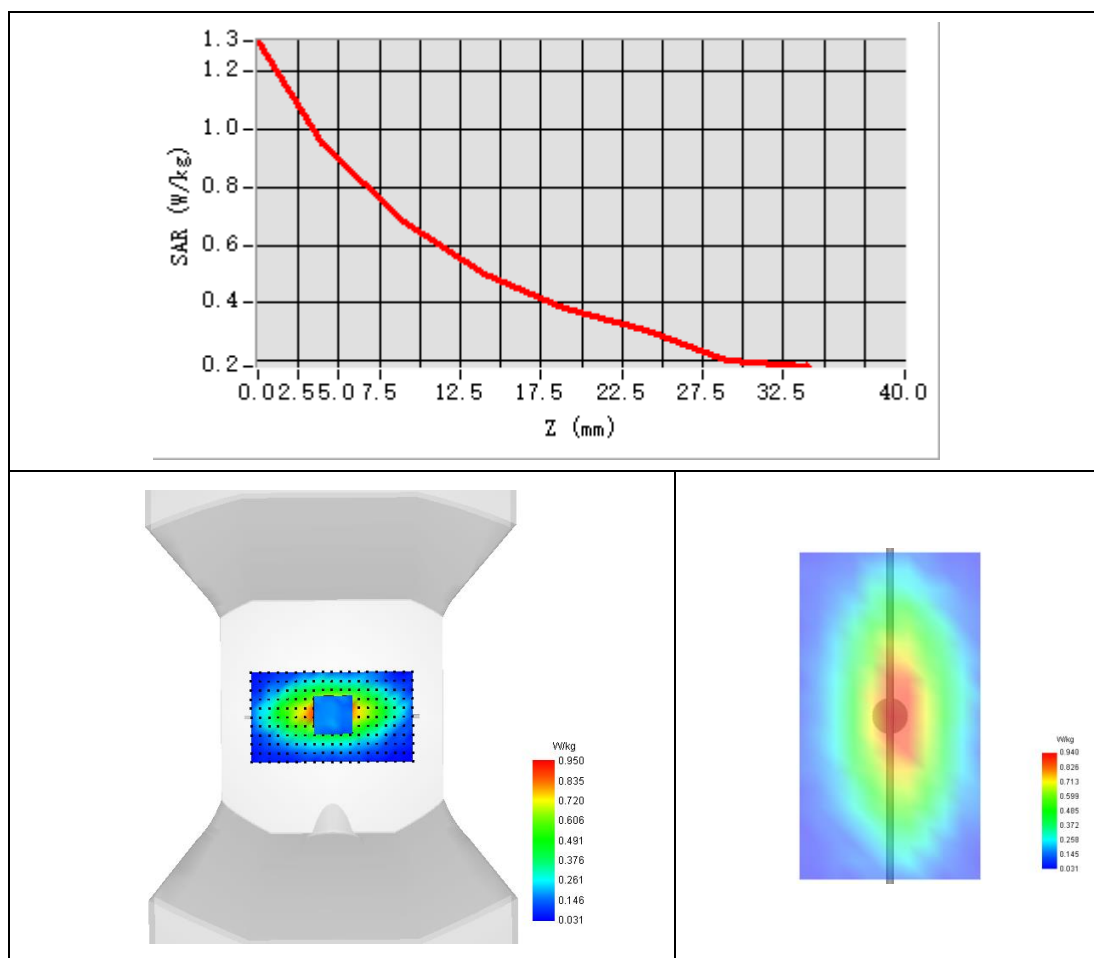


Maximum location: X=2.00, Y=-1.00 ; SAR Peak: 1.31 W/kg

SAR 10g (W/Kg)	0.657
SAR 1g (W/Kg)	0.985



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

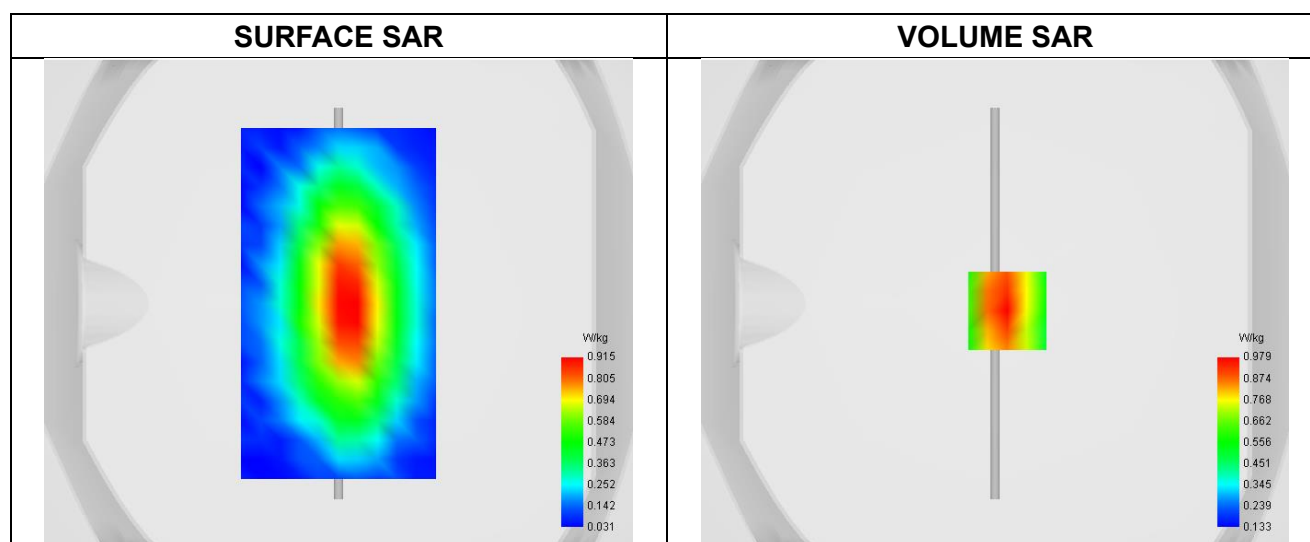
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-03

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels	Middle
Signal	CW
Frequency (MHz)	835.000
Relative permittivity	42.24
Conductivity (S/m)	0.86
Probe	SN 04/22 EPGO364
ConvF	1.72
Crest factor:	1:1

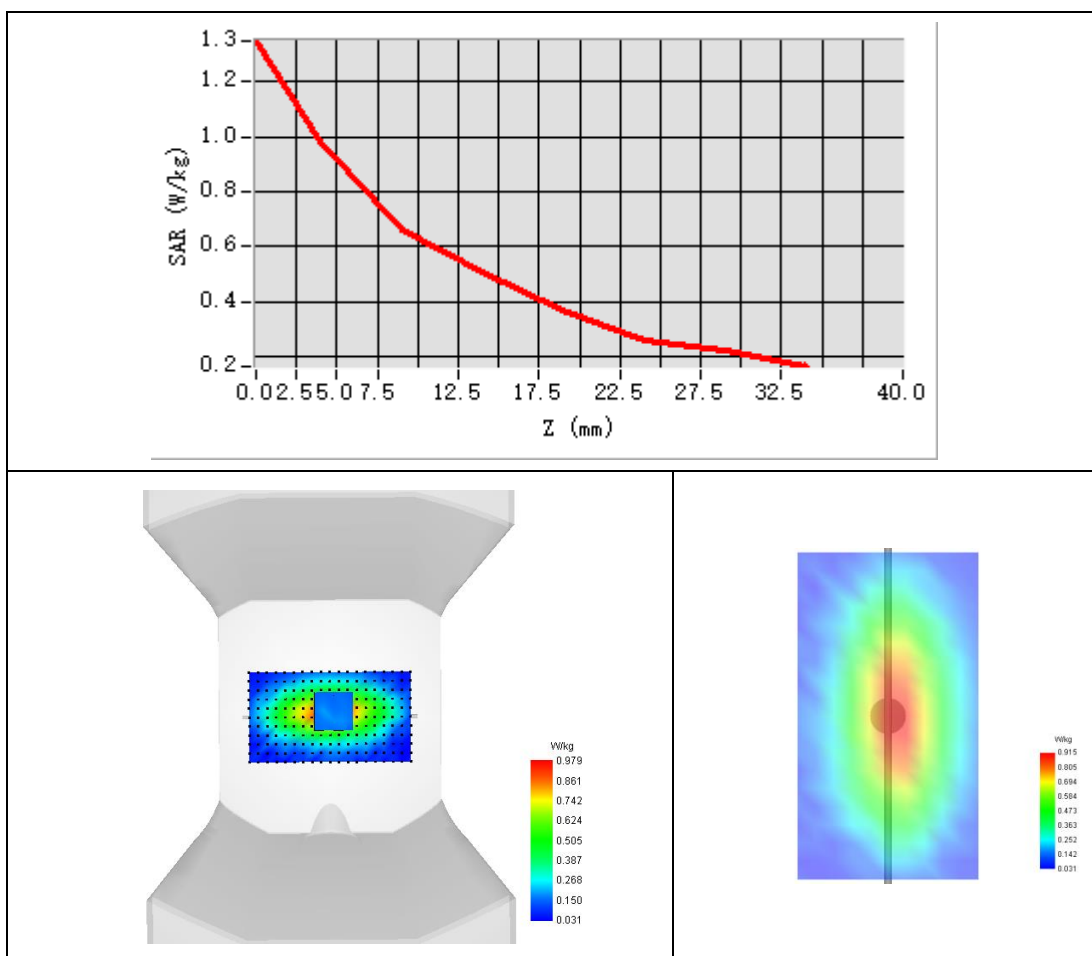


Maximum location: X=5.00, Y=-3.00 ; SAR Peak: 1.35 W/kg

SAR 10g (W/Kg)	0.588
SAR 1g (W/Kg)	0.999



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

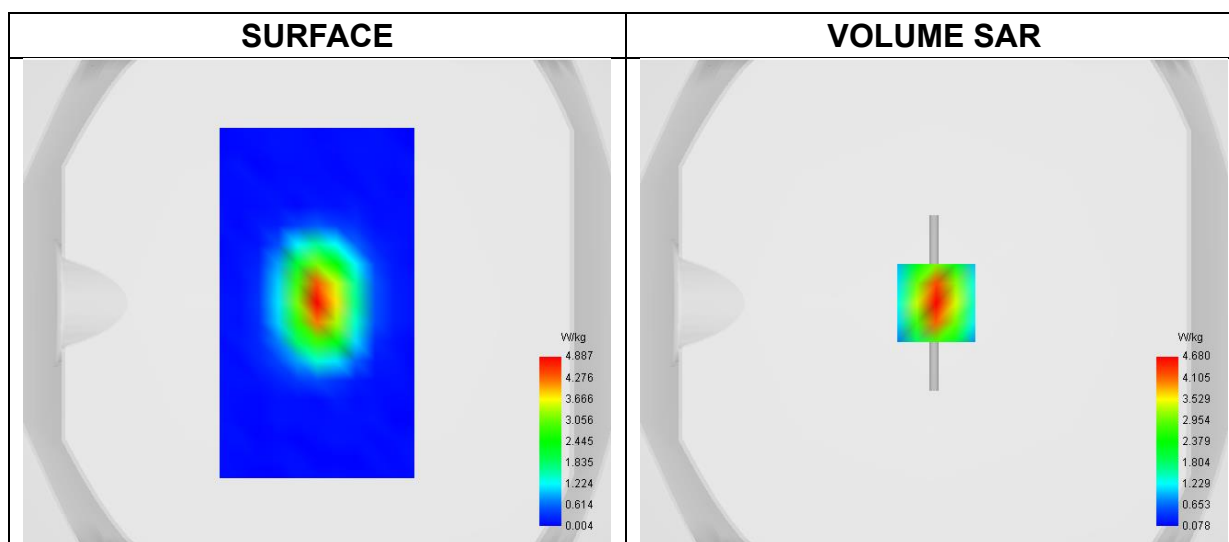
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-03-29

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.89
Conductivity (S/m)	1.44
Probe	SN 04/22 EPG0364
ConvF	1.92
Crest factor:	1:1

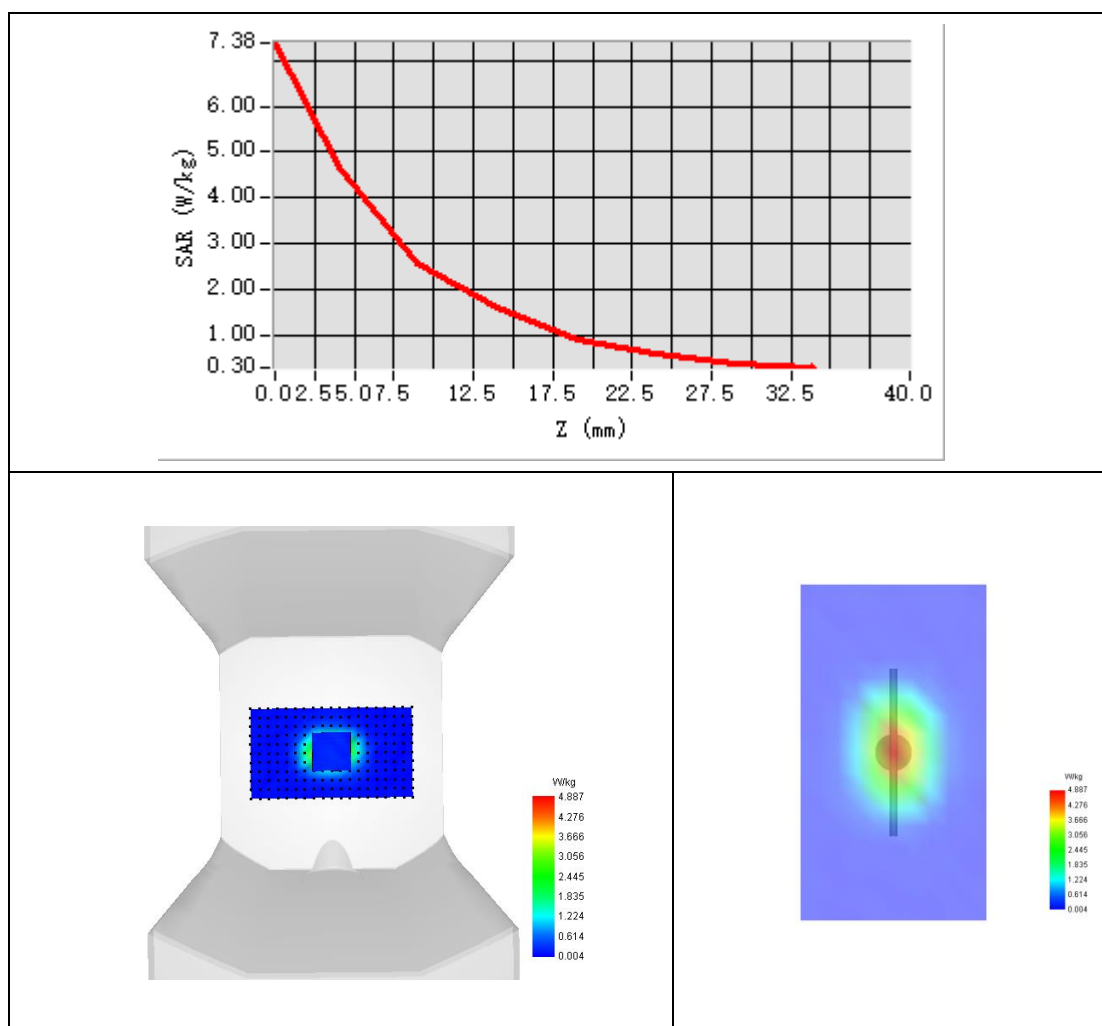


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 7.32 W/kg

SAR 10g (W/Kg)	2.062
SAR 1g (W/Kg)	3.923



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

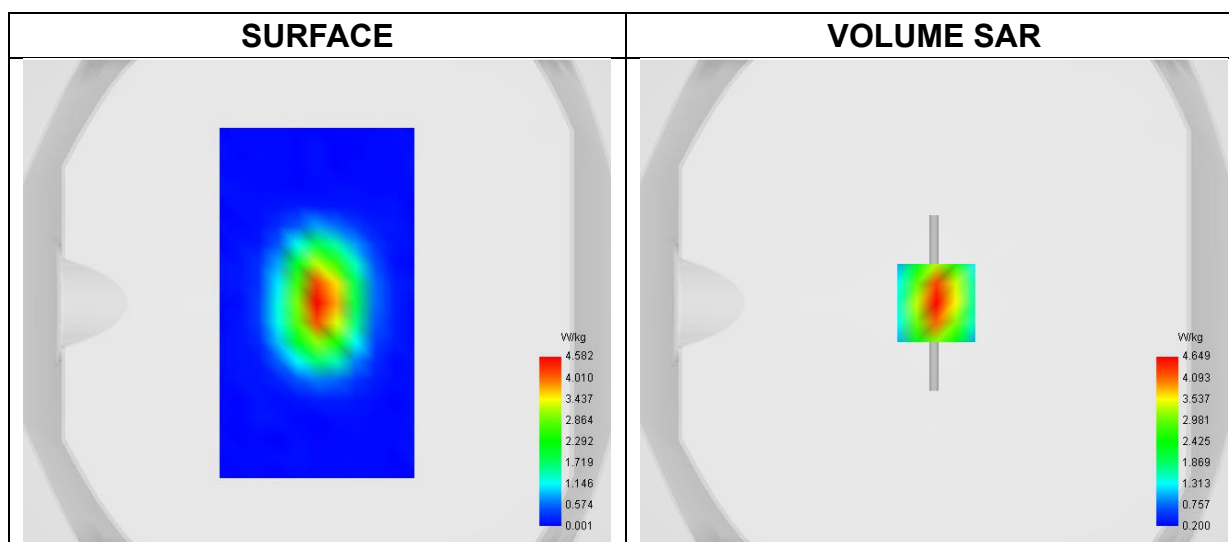
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-03-30

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.73
Conductivity (S/m)	1.42
Probe	SN 04/22 EPG0364
ConvF	1.92
Crest factor:	1:1

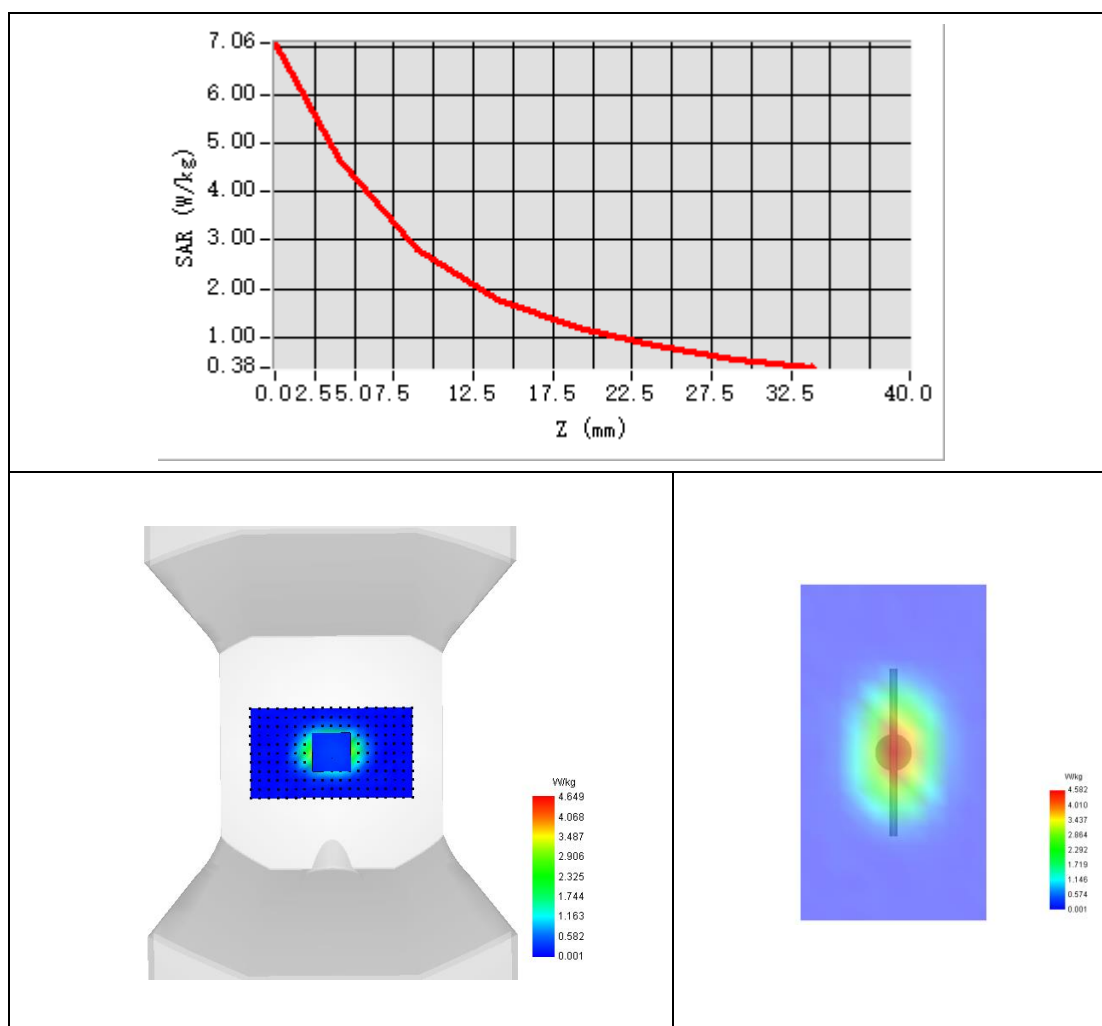


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 7.05 W/kg

SAR 10g (W/Kg)	2.070
SAR 1g (W/Kg)	3.865



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

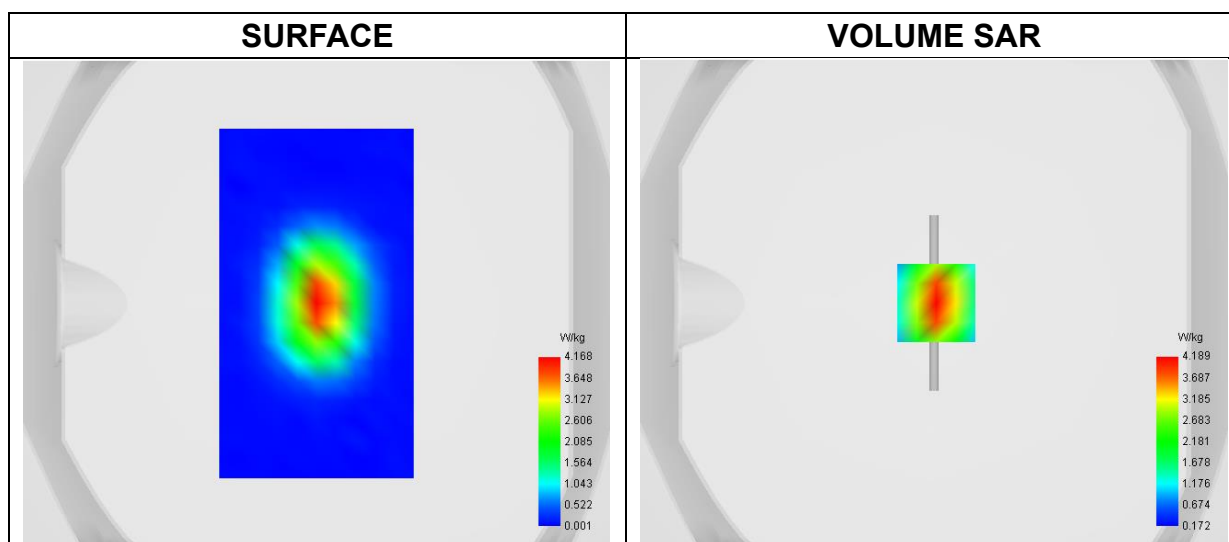
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-04-18

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	41.21
Conductivity (S/m)	1.34
Probe	SN 04/22 EPG0364
ConvF	1.92
Crest factor:	1:1

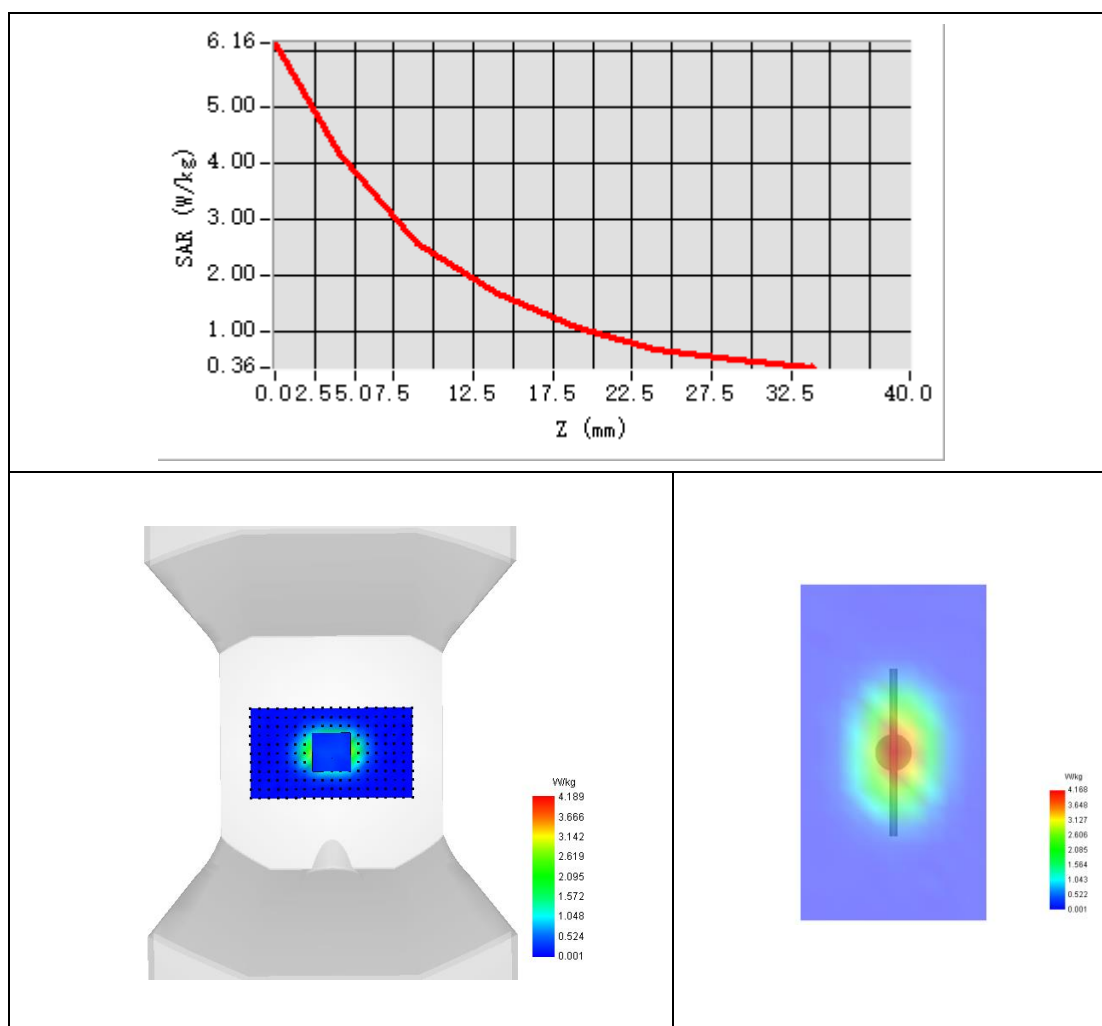


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.13 W/kg

SAR 10g (W/Kg)	2.085
SAR 1g (W/Kg)	3.889



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

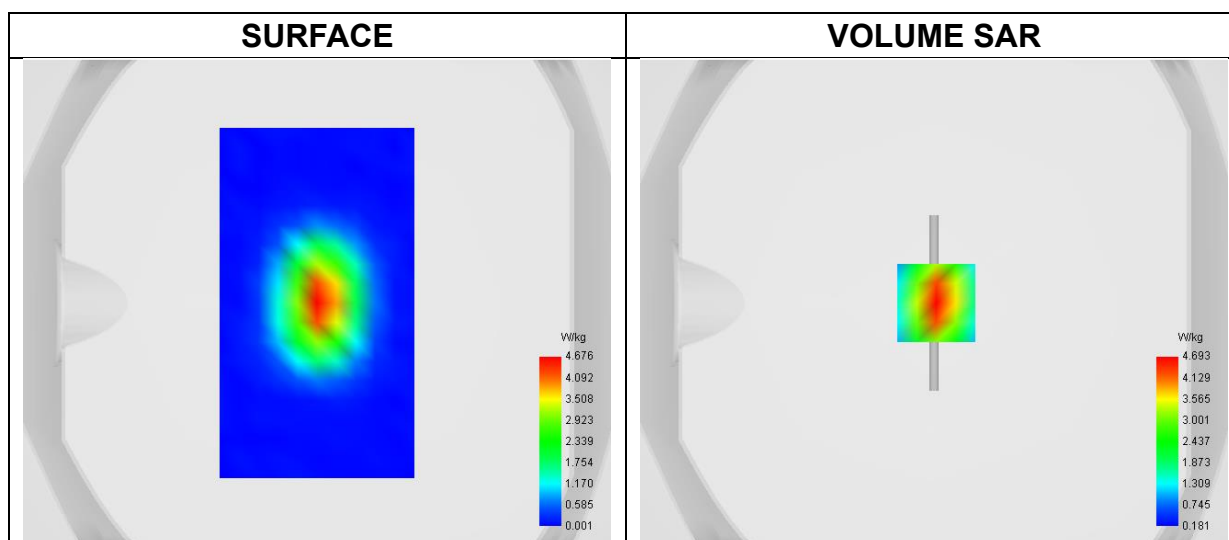
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-04-08

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.73
Conductivity (S/m)	1.39
Probe	SN 04/22 EPG0364
ConvF	1.92
Crest factor:	1:1

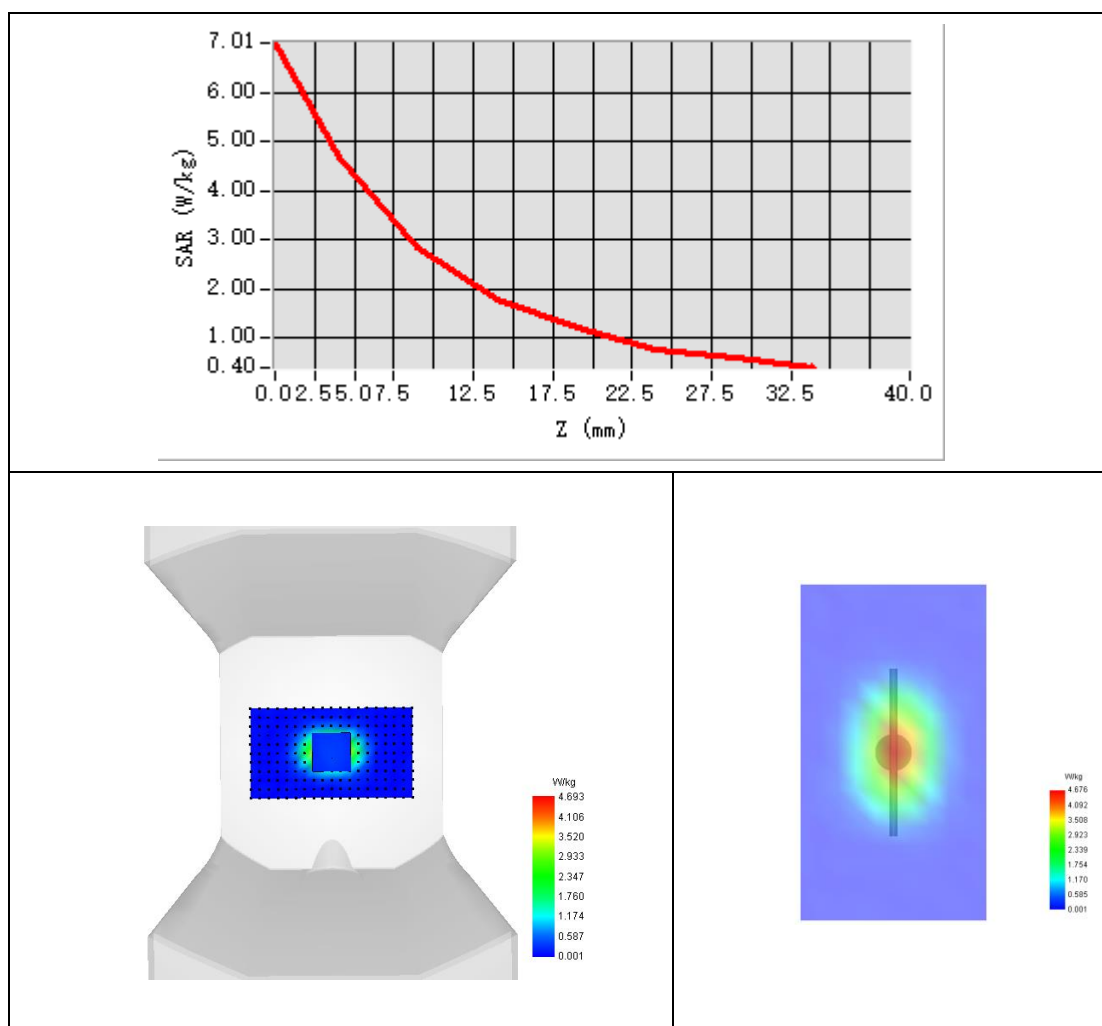


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.96 W/kg

SAR 10g (W/Kg)	2.044
SAR 1g (W/Kg)	3.913



Z Axis Scan





System Performance Check Data (1800MHz)

Type: Phone measurement (Complete)

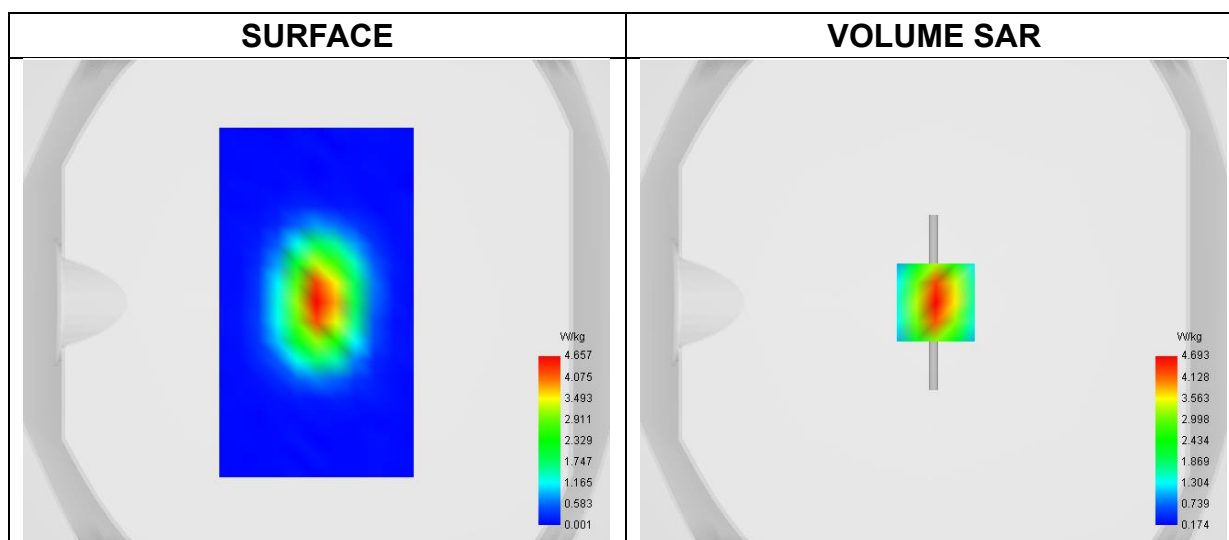
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-03-31

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels	Middle
Signal	CW
Frequency (MHz)	1800.000
Relative permittivity	40.71
Conductivity (S/m)	1.43
Probe	SN 04/22 EPG0364
ConvF	1.92
Crest factor:	1:1

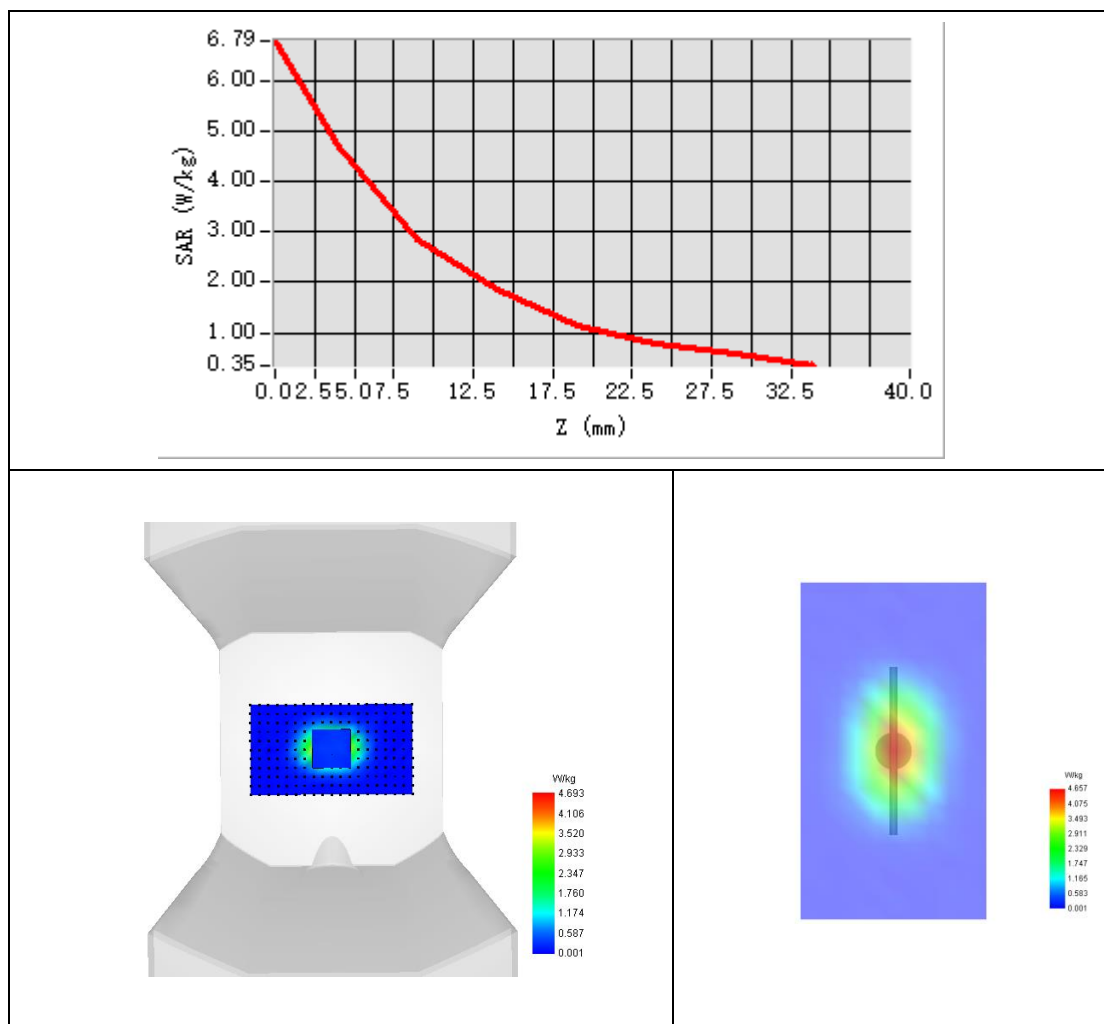


Maximum location: X=1.00, Y=0.00 ; SAR Peak: 6.86 W/kg

SAR 10g (W/Kg)	2.029
SAR 1g (W/Kg)	3.894



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

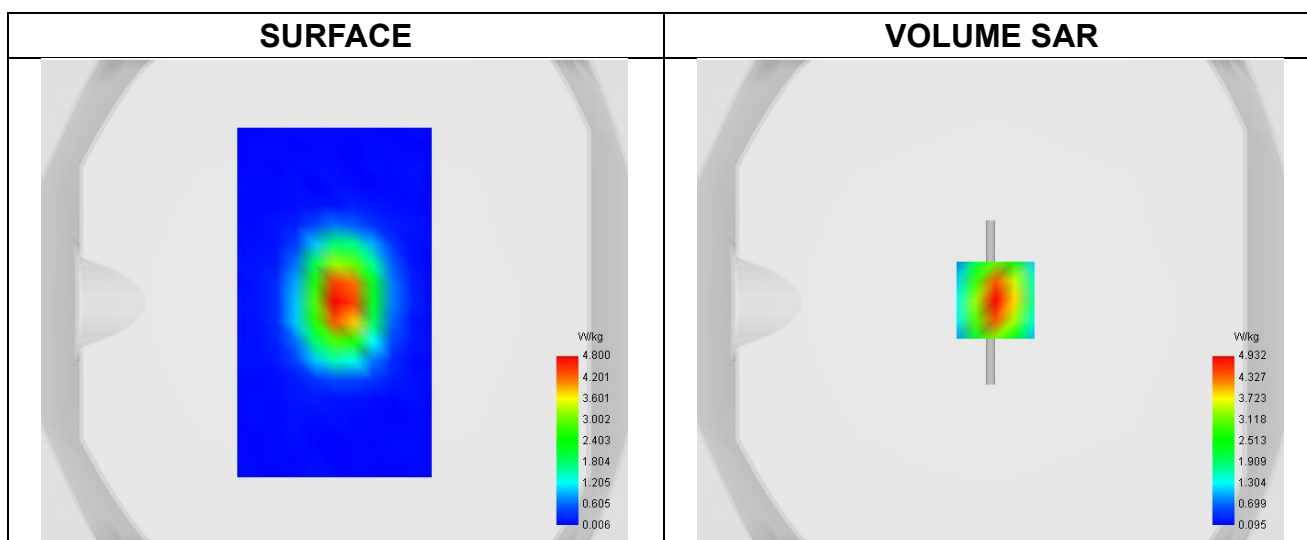
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-04-14

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.56
Conductivity (S/m)	1.43
Probe	SN 04/22 EPG0364
ConvF	2.21
Crest factor:	1:1

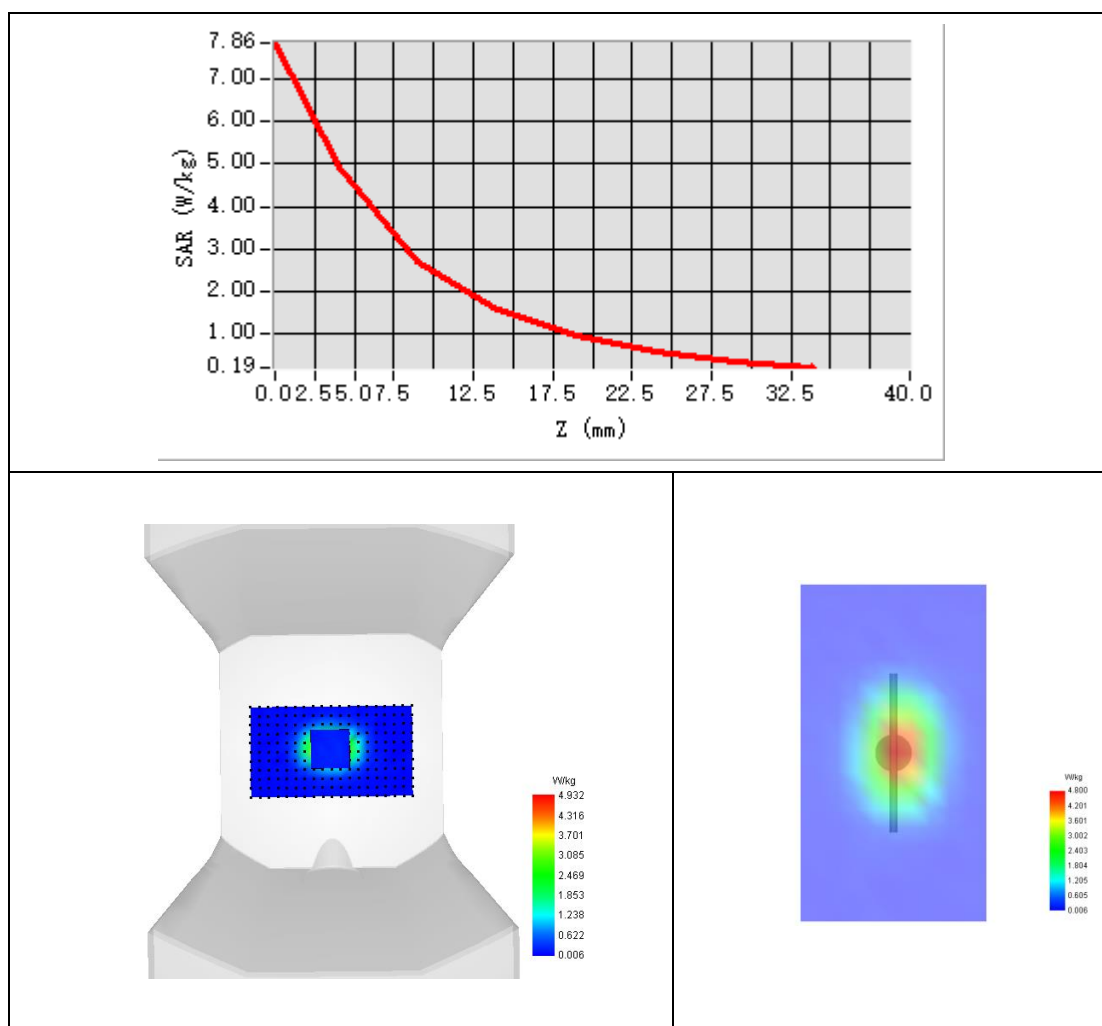


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 7.81 W/kg

SAR 10g (W/Kg)	2.029
SAR 1g (W/Kg)	4.108



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

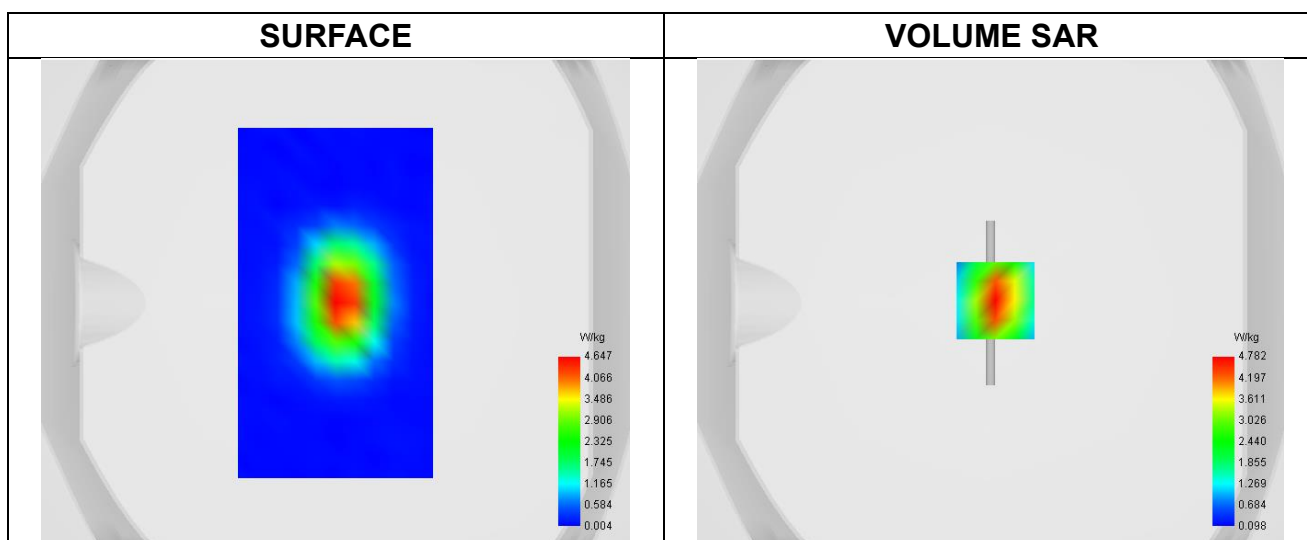
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-04-01

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.61
Conductivity (S/m)	1.38
Probe	SN 04/22 EPG0364
ConvF	2.21
Crest factor:	1:1

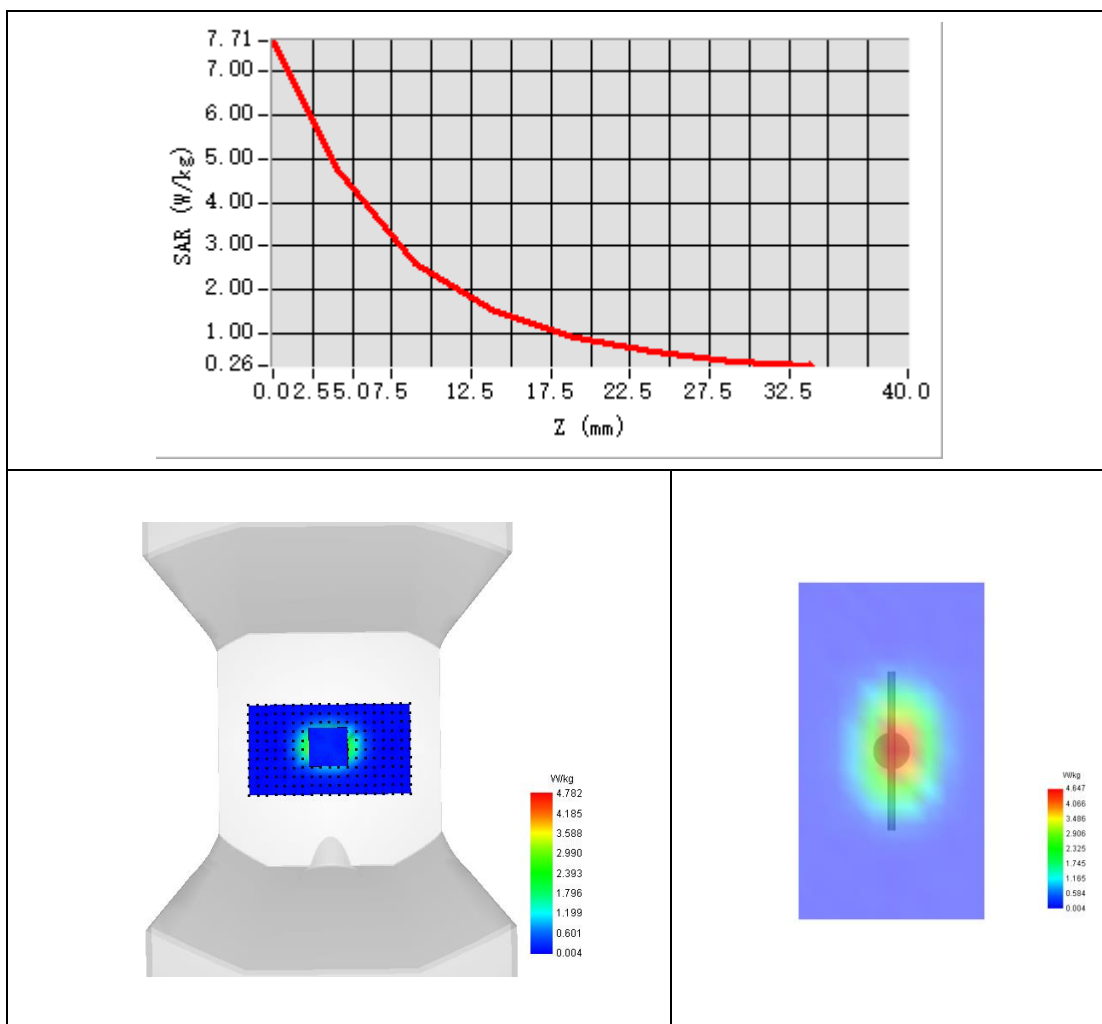


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 7.63 W/kg

SAR 10g (W/Kg)	2.102
SAR 1g (W/Kg)	4.065



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

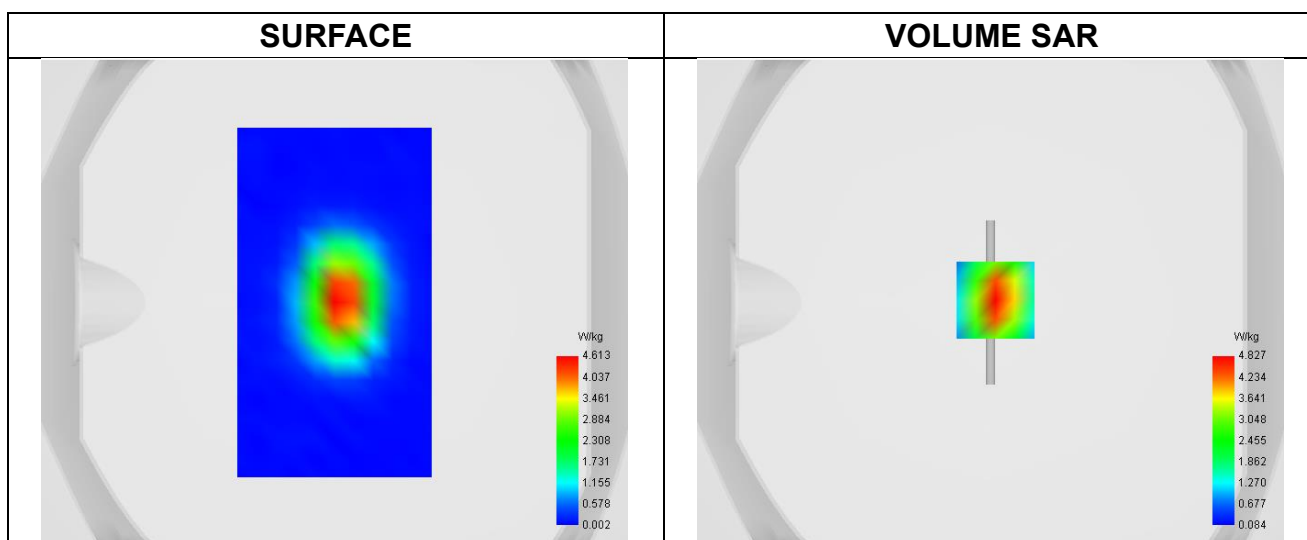
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-04-12

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels	Middle
Signal	CW
Frequency (MHz)	1900.000
Relative permittivity	40.83
Conductivity (S/m)	1.45
Probe	SN 04/22 EPG0364
ConvF	2.21
Crest factor:	1:1

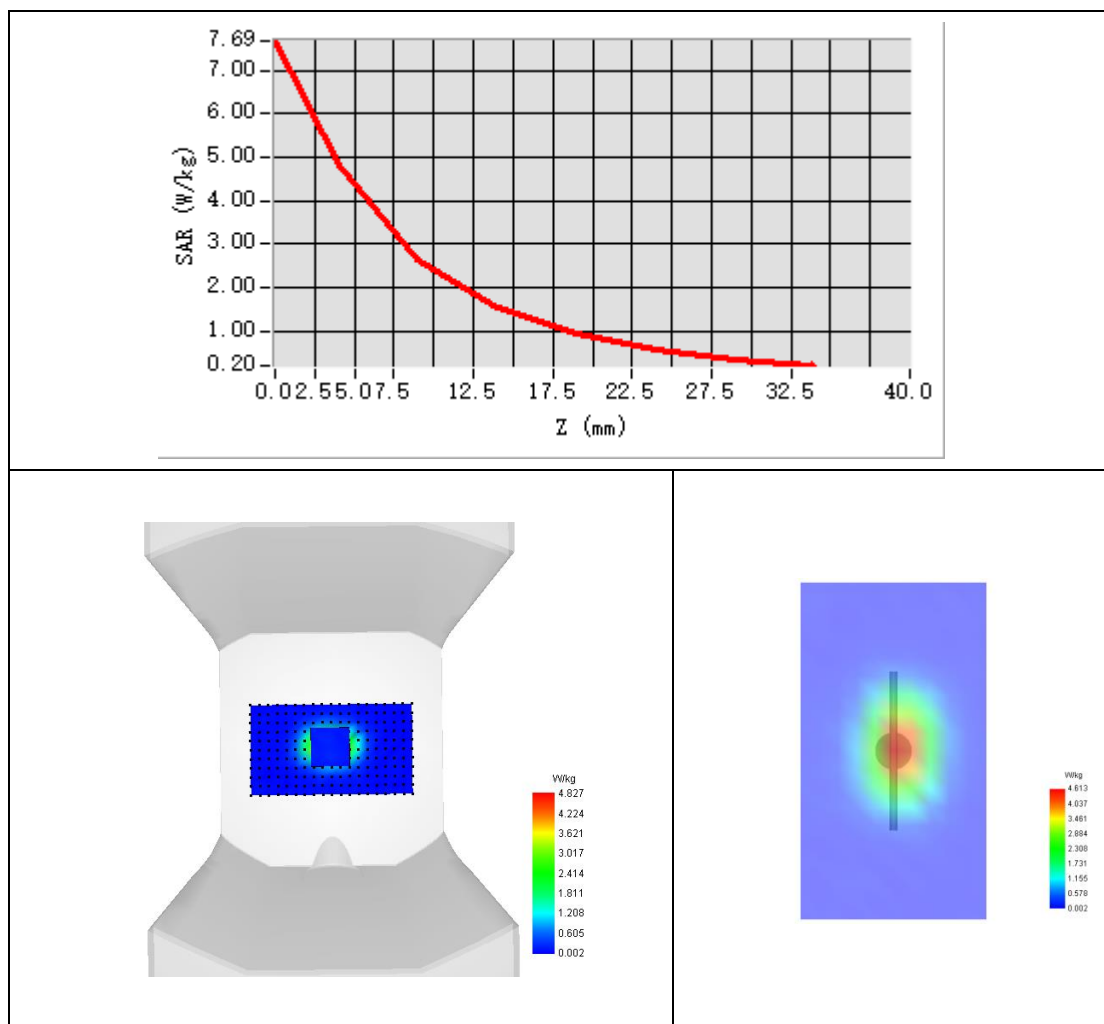


Maximum location: X=2.00, Y=1.00 ; SAR Peak: 7.64 W/kg

SAR 10g (W/Kg)	2.055
SAR 1g (W/Kg)	4.124



Z Axis Scan





System Performance Check Data (2300MHz)

Type: Phone measurement (Complete)

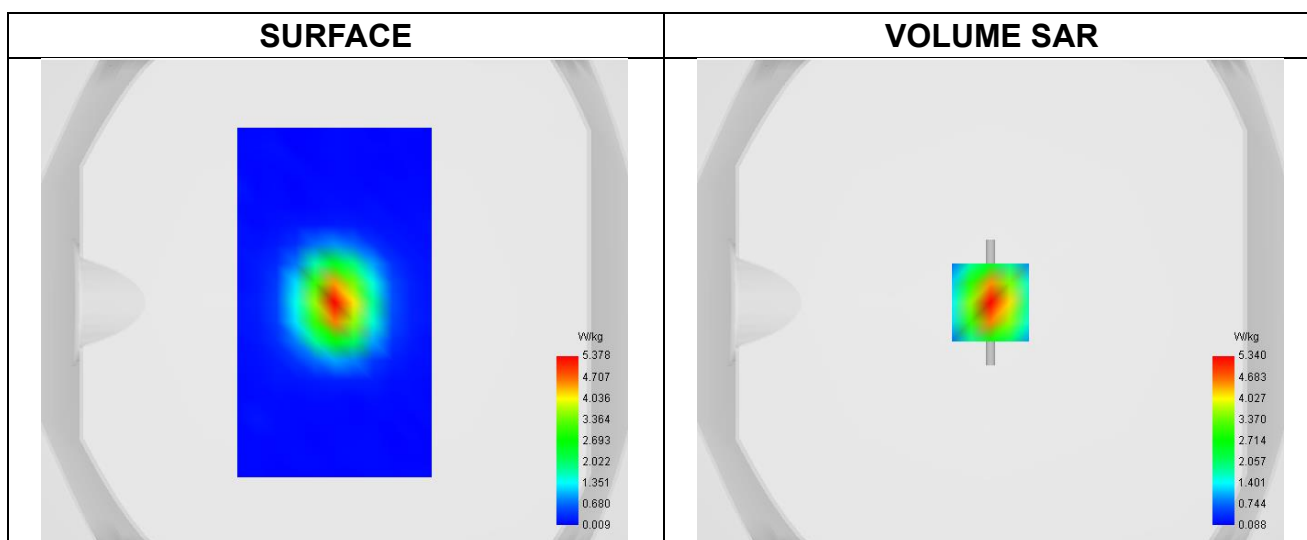
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-04-02

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Channels	Middle
Signal	CW
Frequency (MHz)	2300.000
Relative permittivity	40.64
Conductivity (S/m)	1.64
Probe	SN 04/22 EPG0364
ConvF	2.32
Crest factor:	1:1

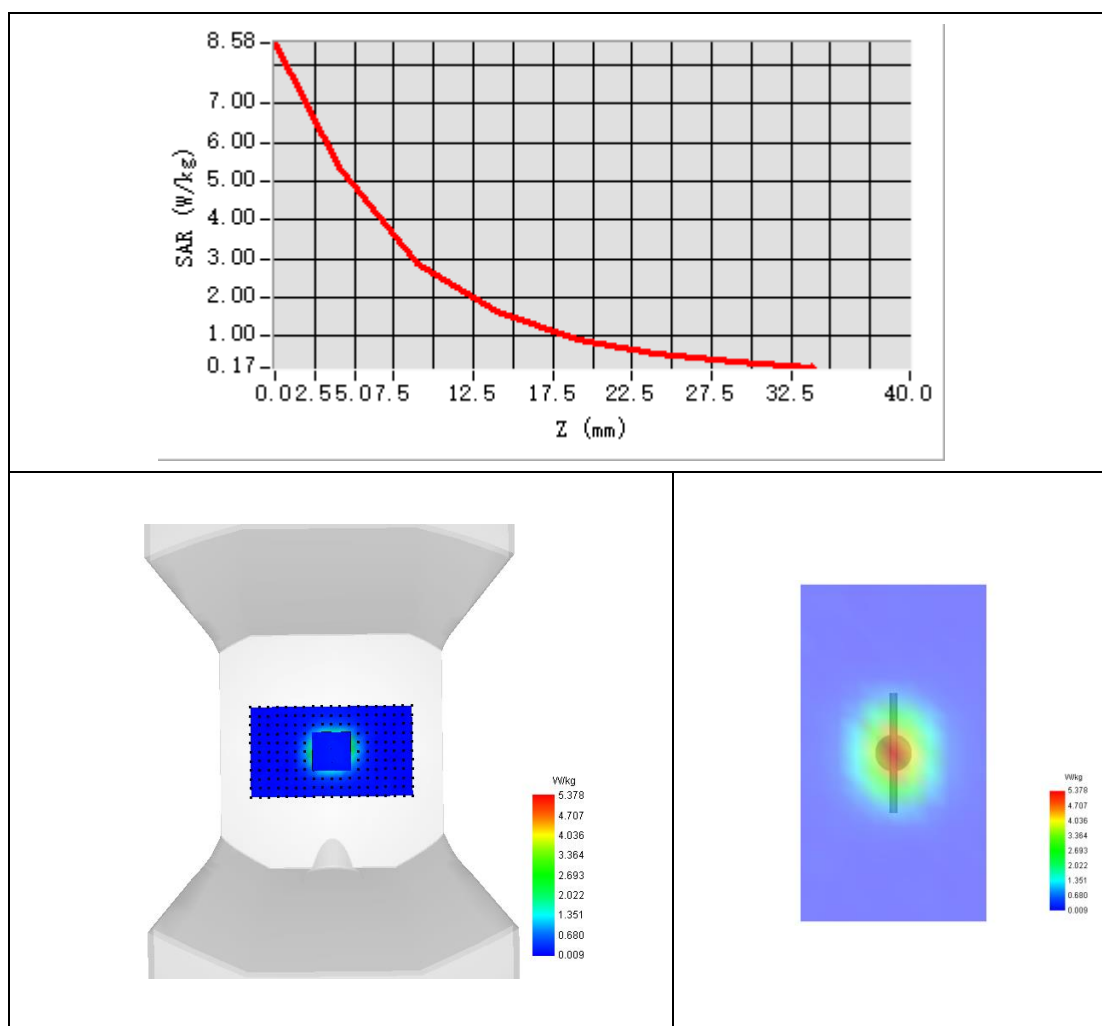


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 8.55 W/kg

SAR 10g (W/Kg)	2.060
SAR 1g (W/Kg)	5.046



Z Axis Scan





System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

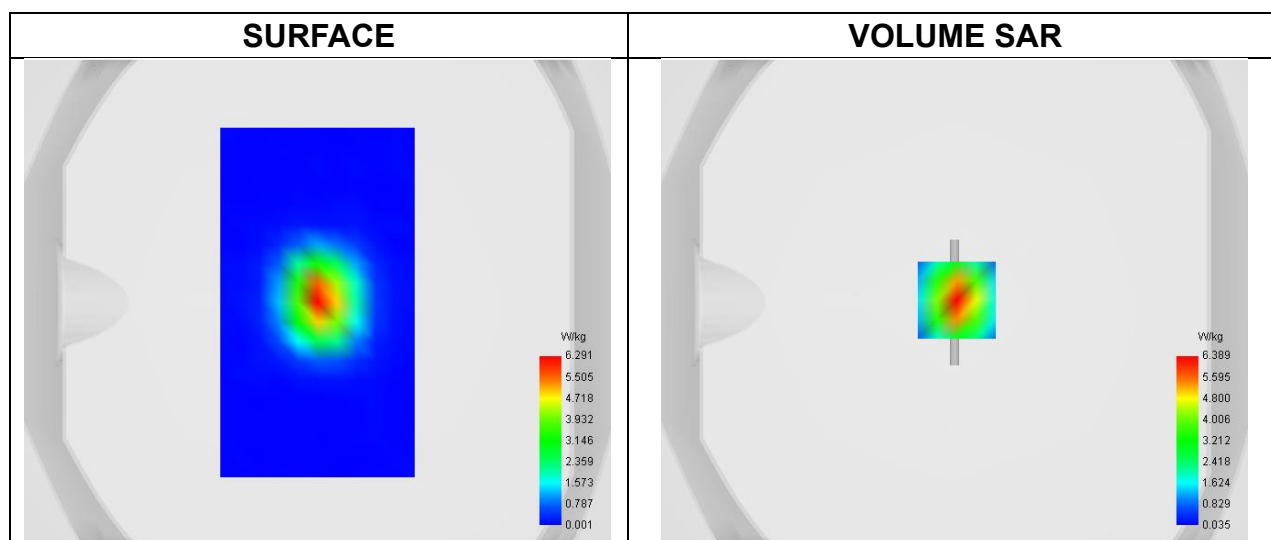
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-18

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW
Frequency (MHz)	2450.000
Relative permittivity	40.10
Conductivity (S/m)	1.79
Probe	SN 04/22 EPG0364
ConvF	2.33
Crest factor:	1:1

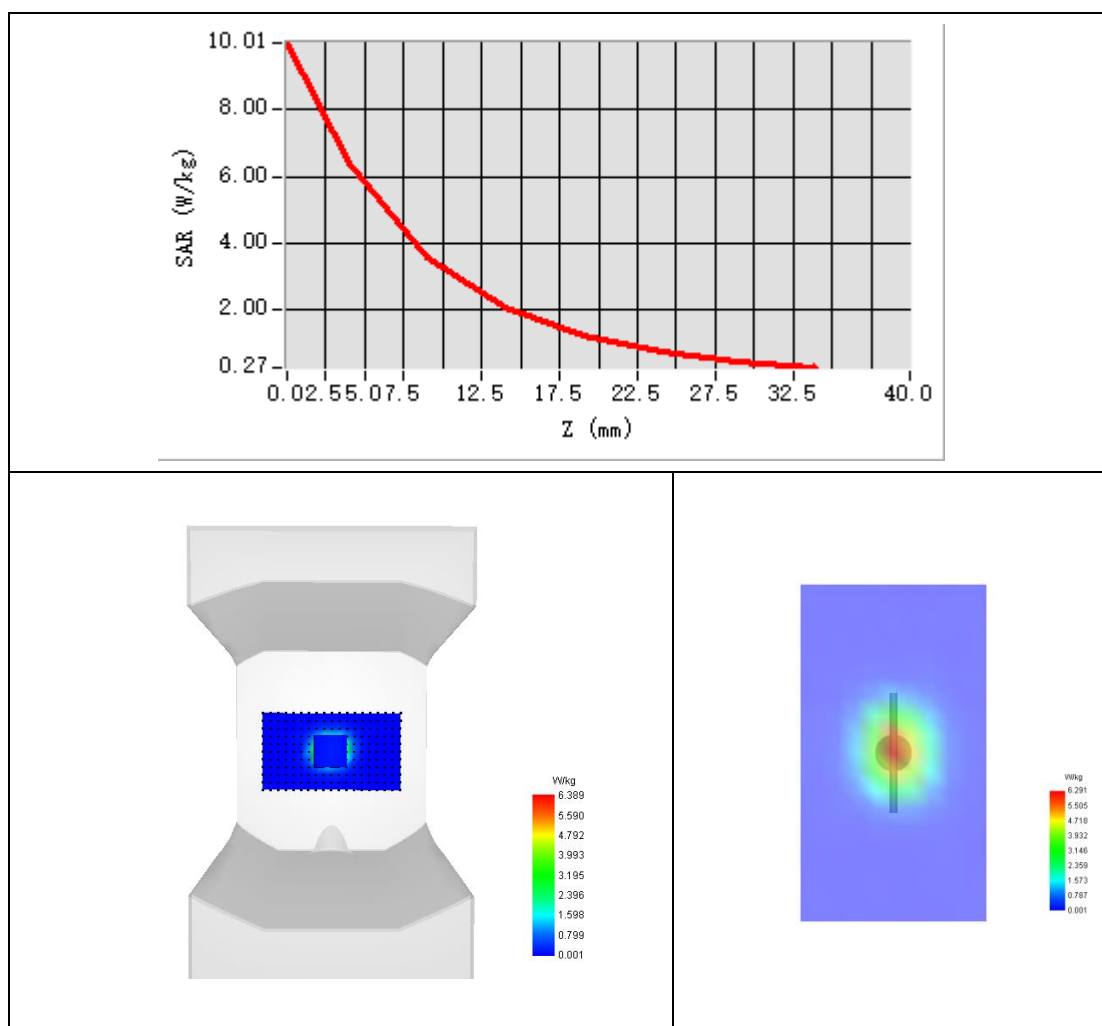


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 9.94 W/kg

SAR 10g (W/Kg)	2.315
SAR 1g (W/Kg)	5.432



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

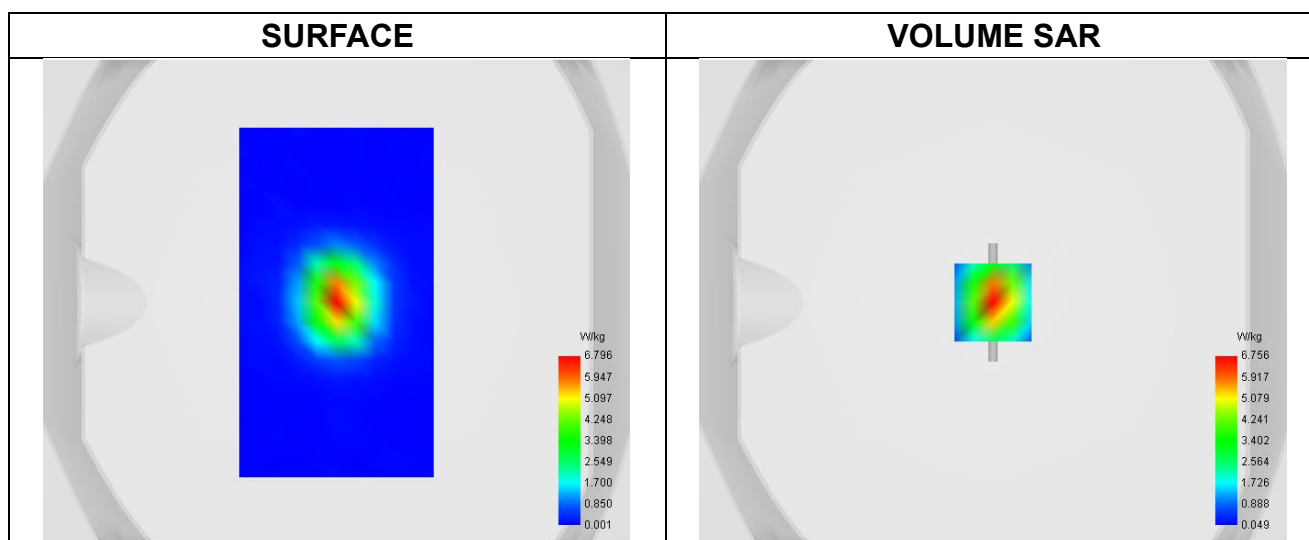
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-04

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.81
Conductivity (S/m)	1.94
Probe	SN 04/22 EPG0364
ConvF	2.37
Crest factor:	1:1

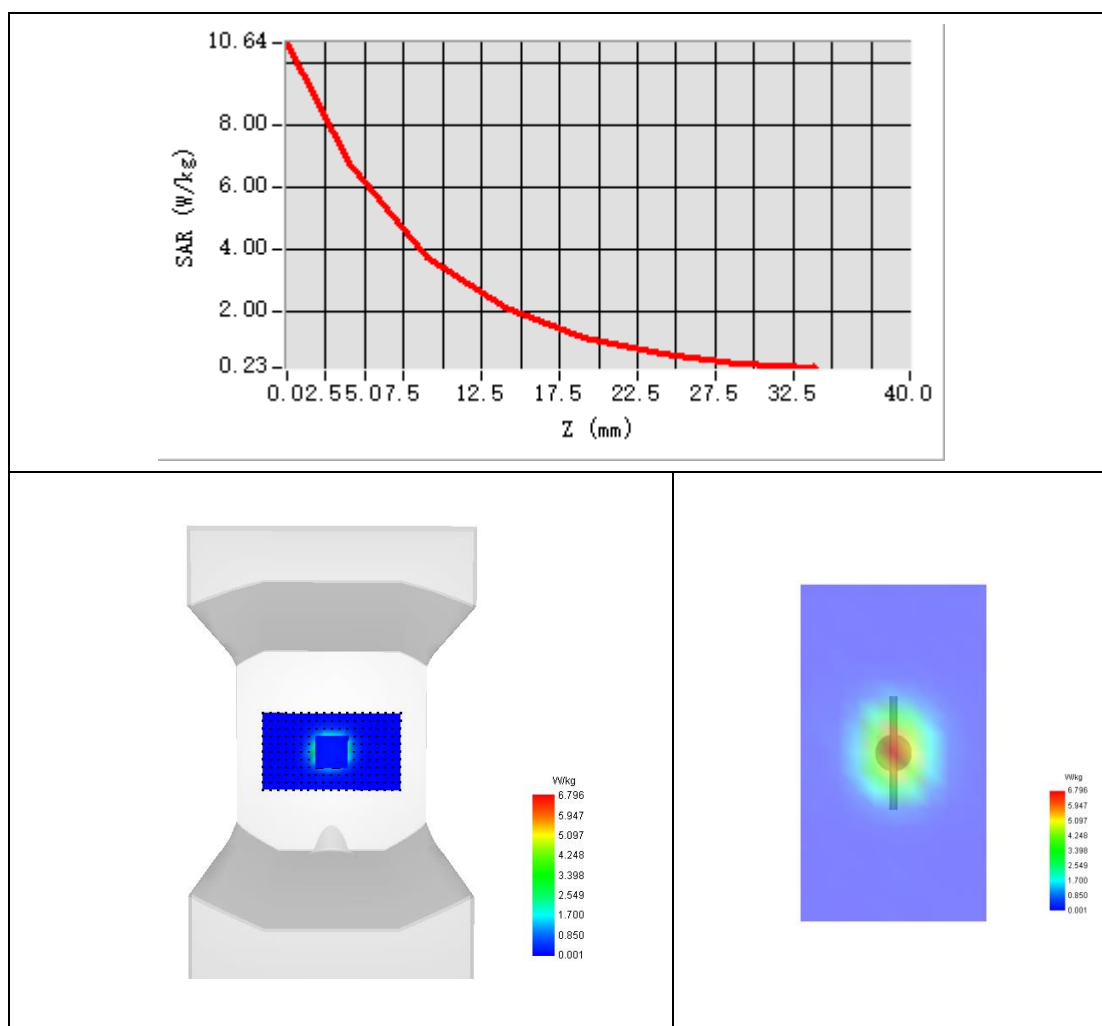


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.62 W/kg

SAR 10g (W/Kg)	2.369
SAR 1g (W/Kg)	5.623



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

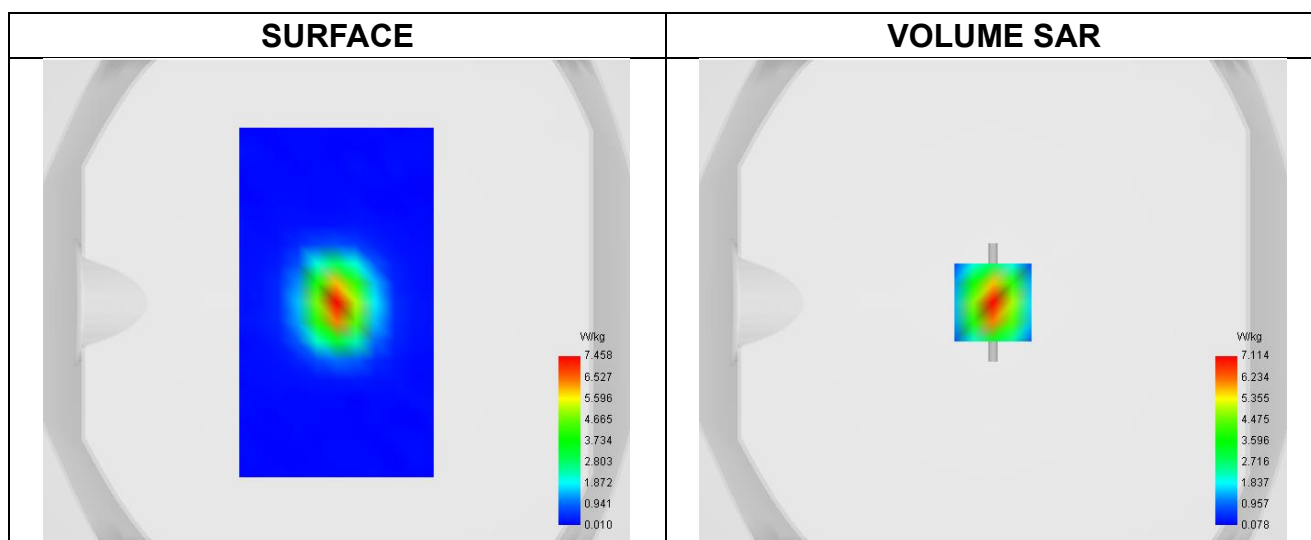
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-06

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.14
Conductivity (S/m)	1.93
Probe	SN 04/22 EPG0364
ConvF	2.37
Crest factor:	1:1

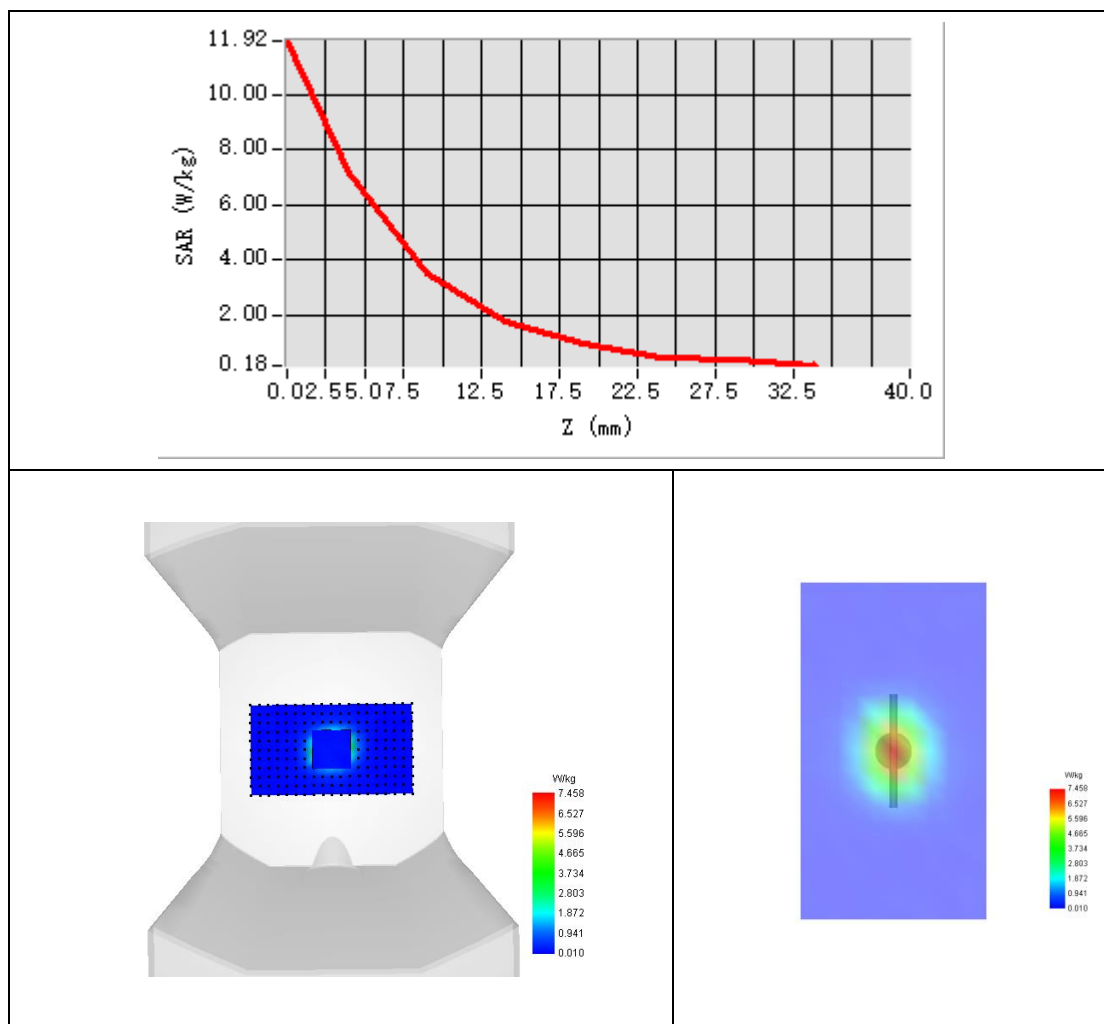


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 11.82 W/kg

SAR 10g (W/Kg)	2.430
SAR 1g (W/Kg)	5.643



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

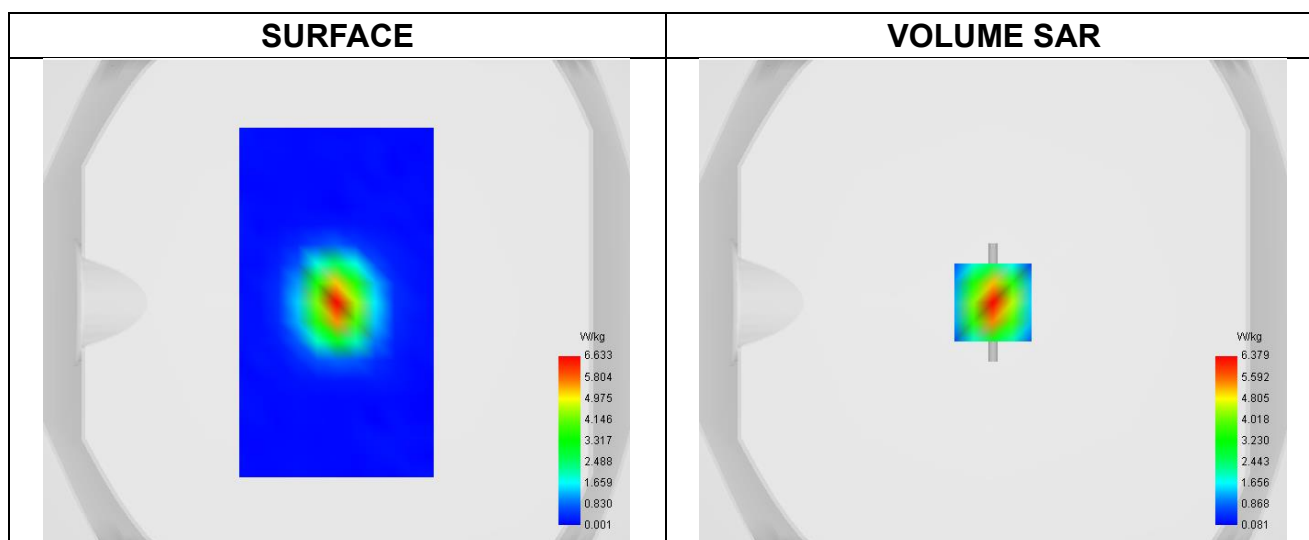
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-10

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.55
Conductivity (S/m)	1.95
Probe	SN 04/22 EPG0364
ConvF	2.37
Crest factor:	1:1

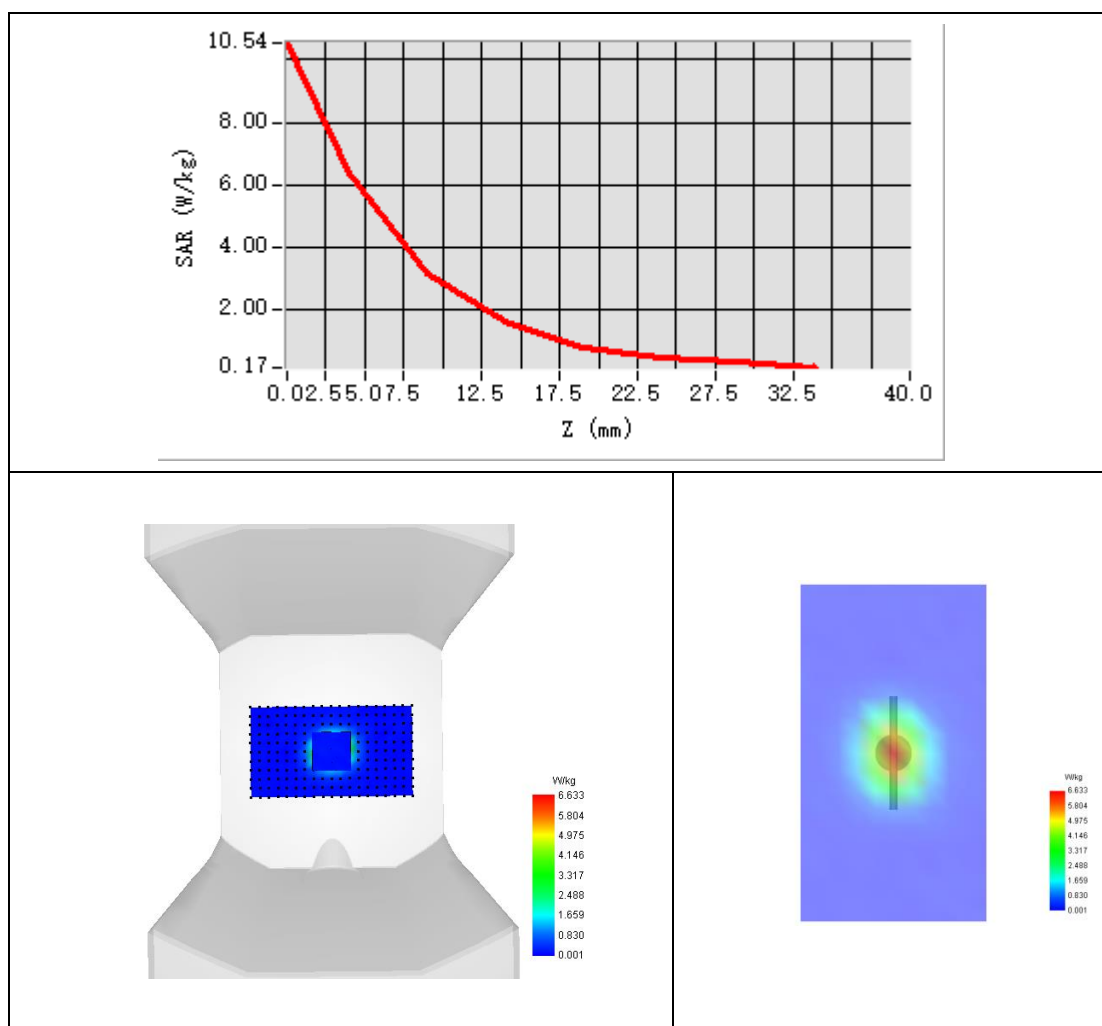


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.47 W/kg

SAR 10g (W/Kg)	2.421
SAR 1g (W/Kg)	5.618



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

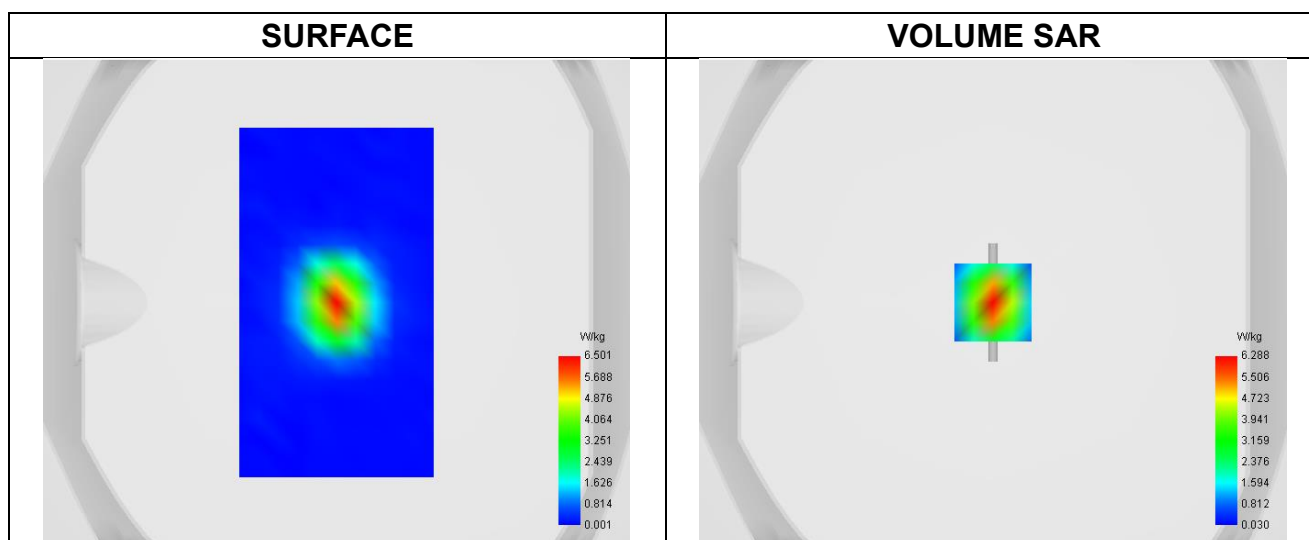
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-04-09

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	39.48
Conductivity (S/m)	1.99
Probe	SN 04/22 EPG0364
ConvF	2.37
Crest factor:	1:1

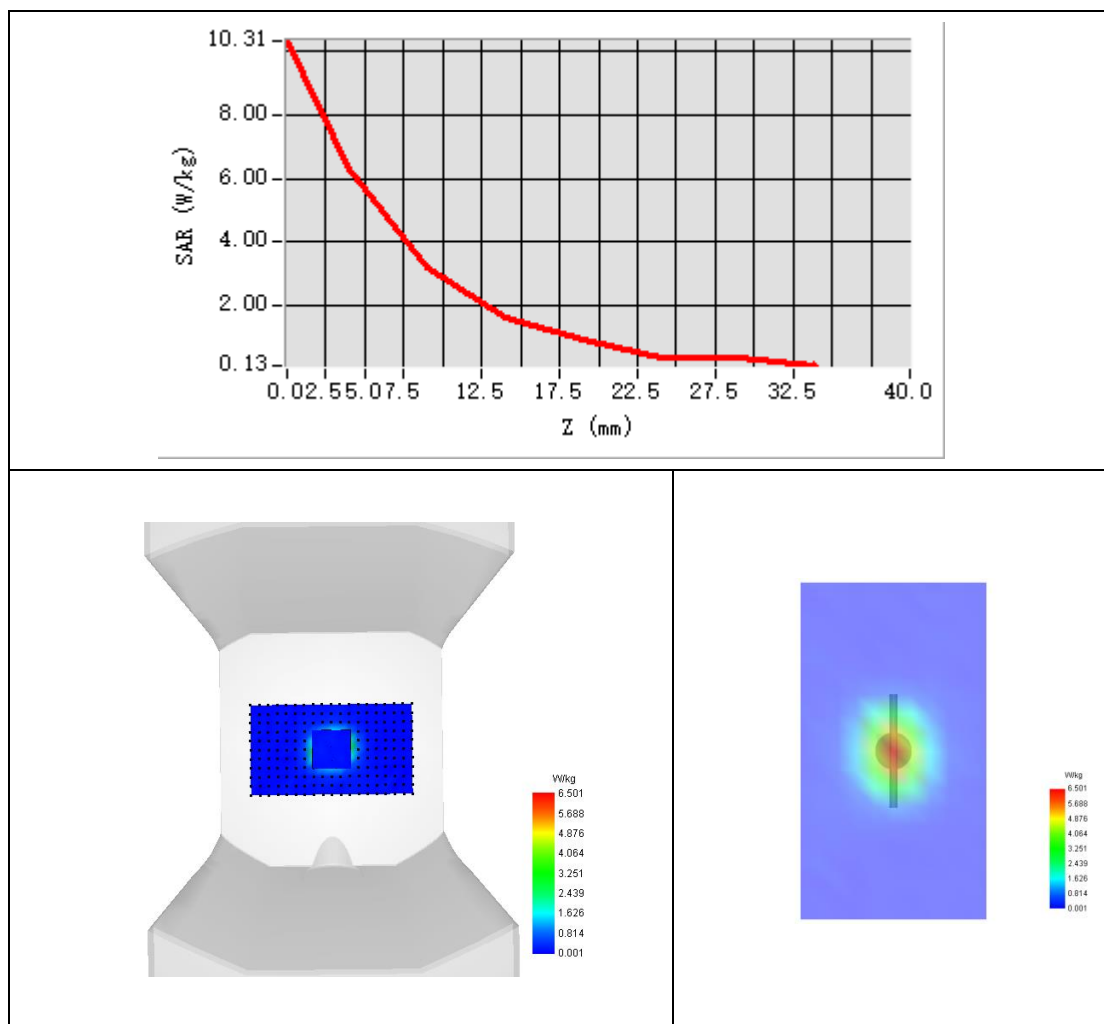


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.24 W/kg

SAR 10g (W/Kg)	2.426
SAR 1g (W/Kg)	5.701



Z Axis Scan





System Performance Check Data (2600MHz)

Type: Phone measurement (Complete)

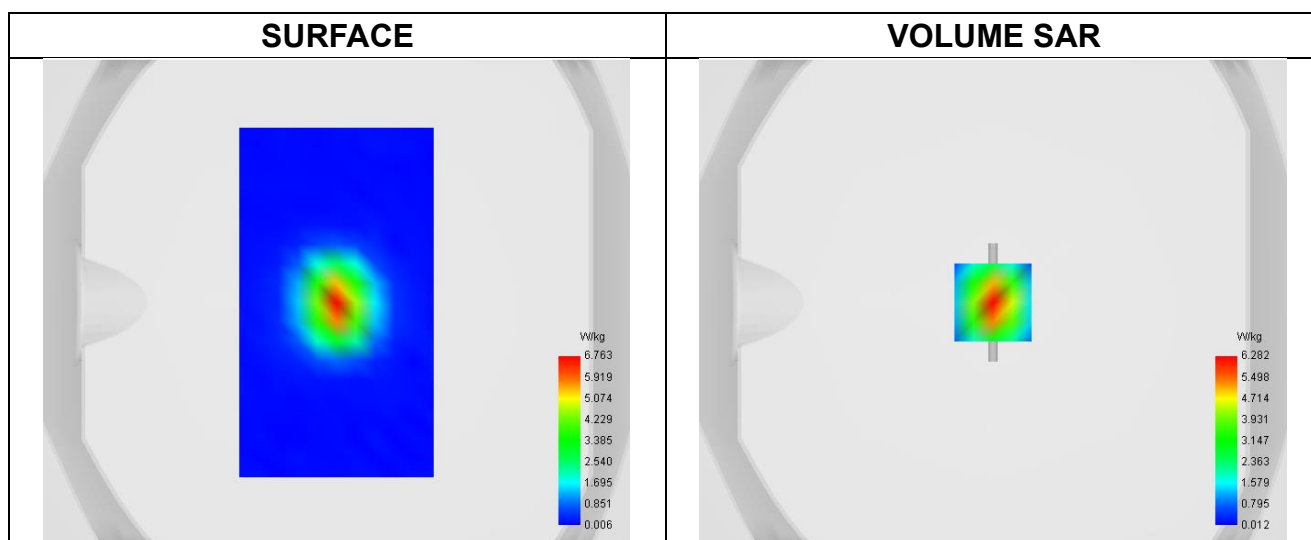
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-17

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels	Middle
Signal	CW
Frequency (MHz)	2600.000
Relative permittivity	40.13
Conductivity (S/m)	1.90
Probe	SN 04/22 EPG0364
ConvF	2.37
Crest factor:	1:1

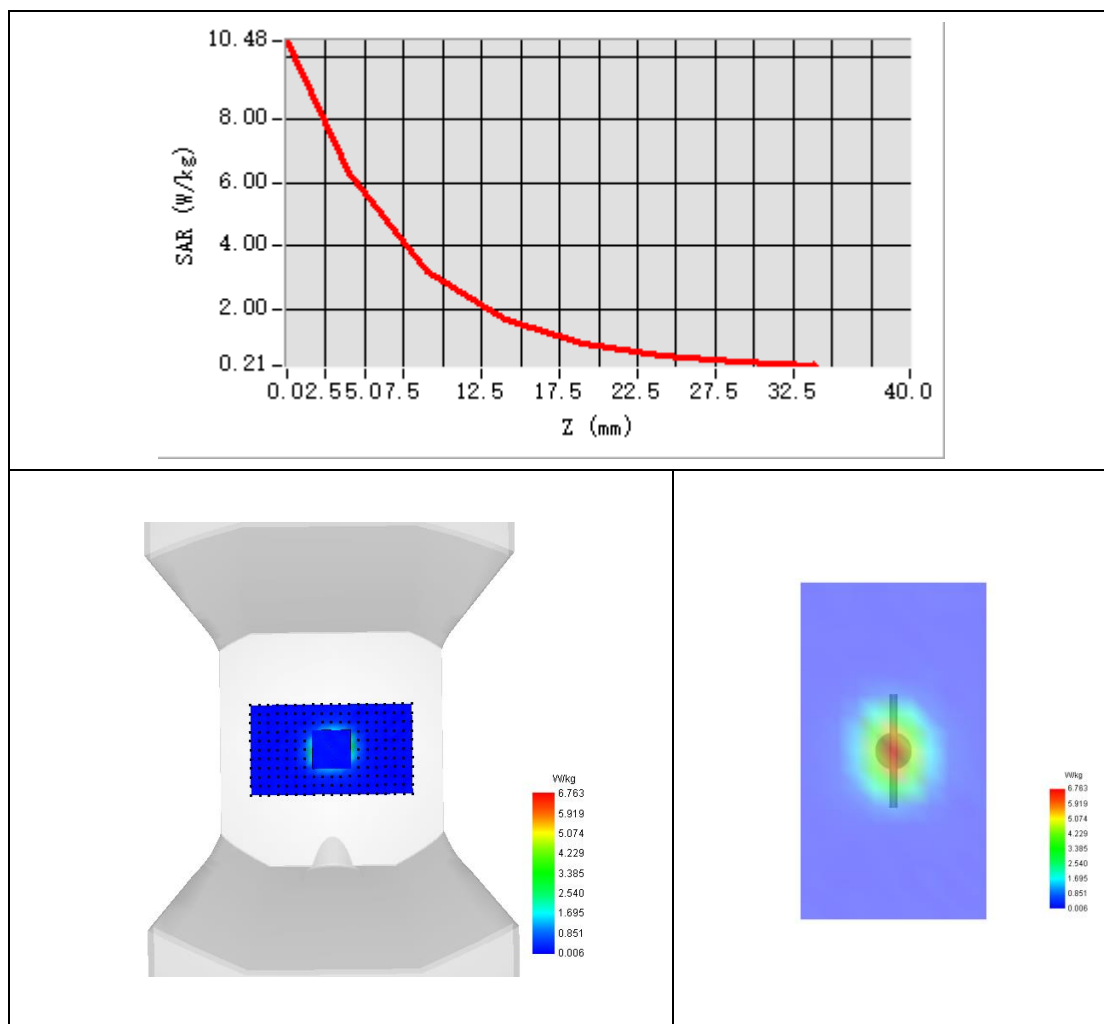


Maximum location: X=0.00, Y=0.00 ; SAR Peak: 10.38 W/kg

SAR 10g (W/Kg)	2.416
SAR 1g (W/Kg)	5.752



Z Axis Scan





System Performance Check Data (3700MHz)

Type: Phone measurement (Complete)

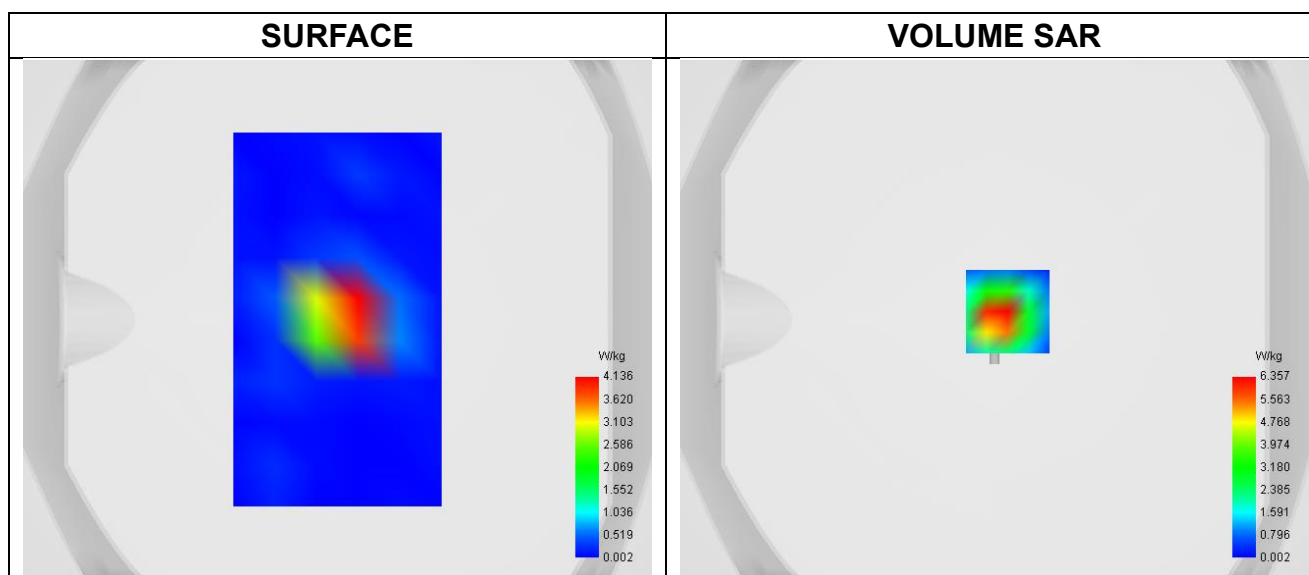
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2025-04-13

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3700
Channels	Middle
Signal	CW
Frequency (MHz)	3700.000
Relative permittivity	37.89
Conductivity (S/m)	3.14
Probe	SN 04/22 EPG0364
ConvF	1.81
Crest factor:	1:1

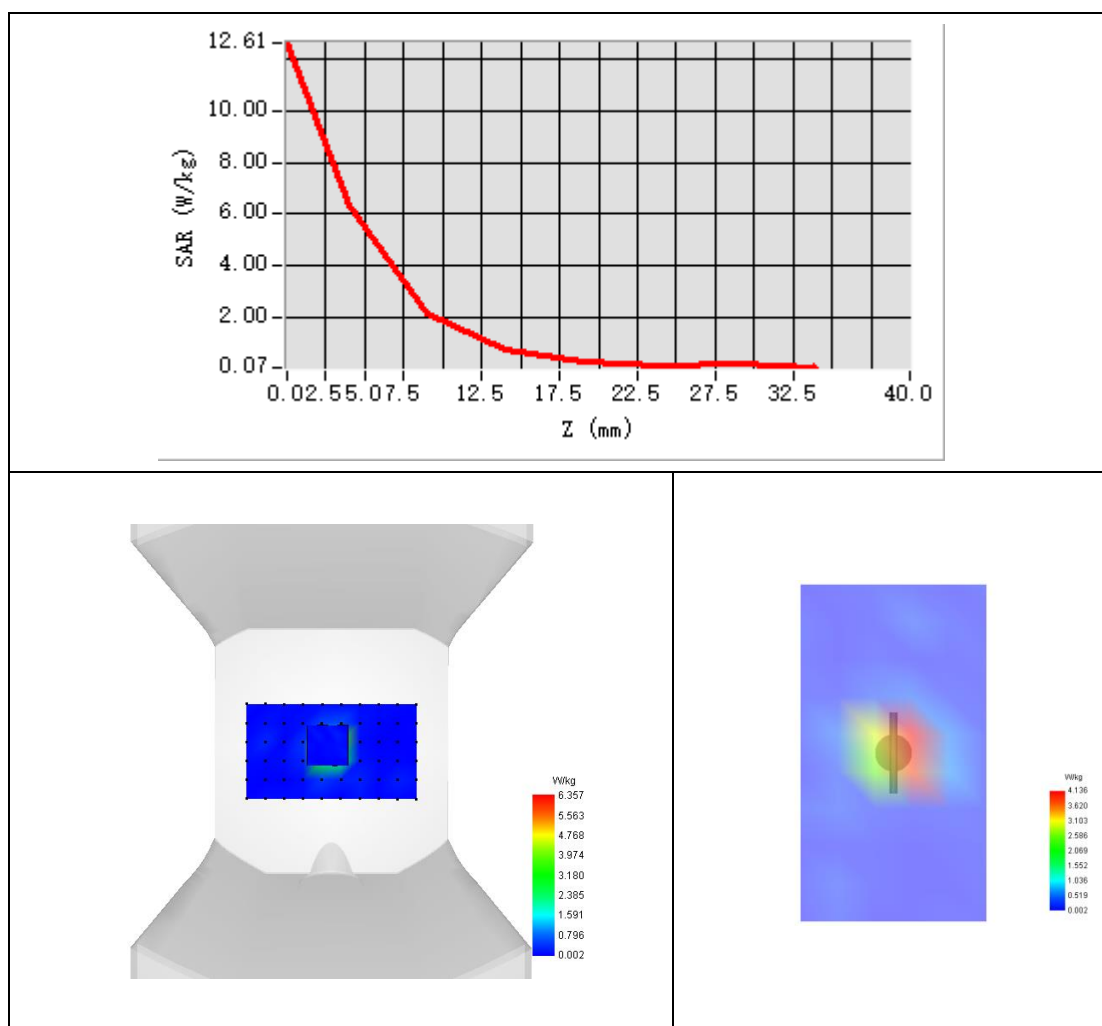


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 13.87 W/kg

SAR 10g (W/Kg)	2.458
SAR 1g (W/Kg)	6.881



Z Axis Scan





System Performance Check Data (3700MHz)

Type: Phone measurement (Complete)

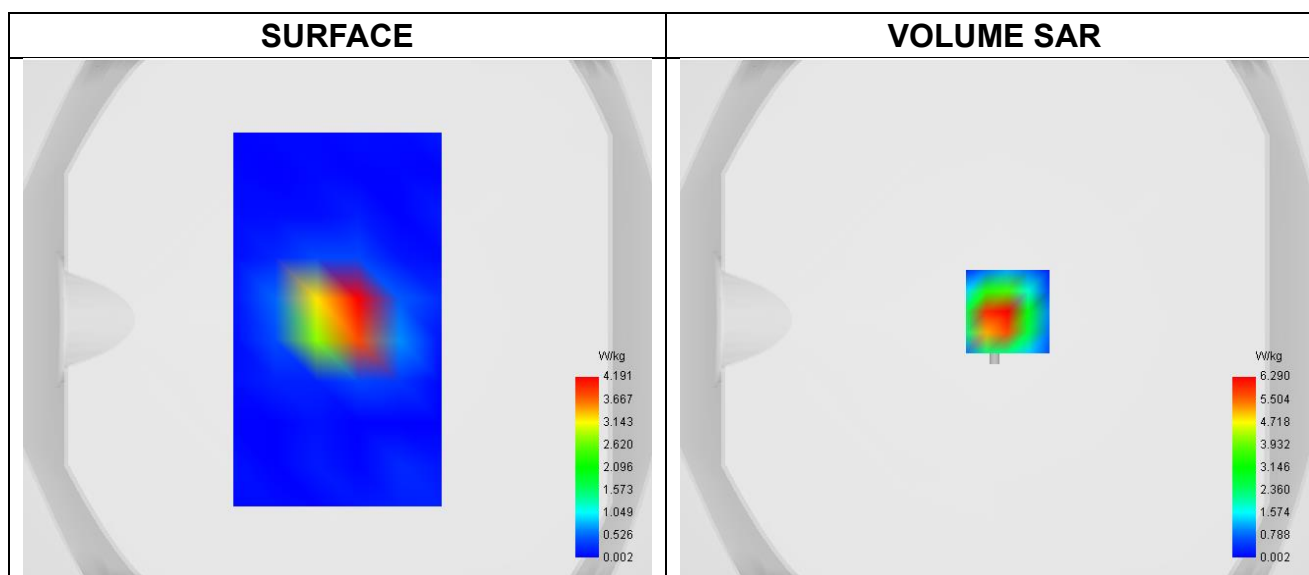
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement:2025-04-16

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW3700
Channels	Middle
Signal	CW
Frequency (MHz)	3700.000
Relative permittivity	37.59
Conductivity (S/m)	3.21
Probe	SN 04/22 EPG0364
ConvF	1.81
Crest factor:	1:1

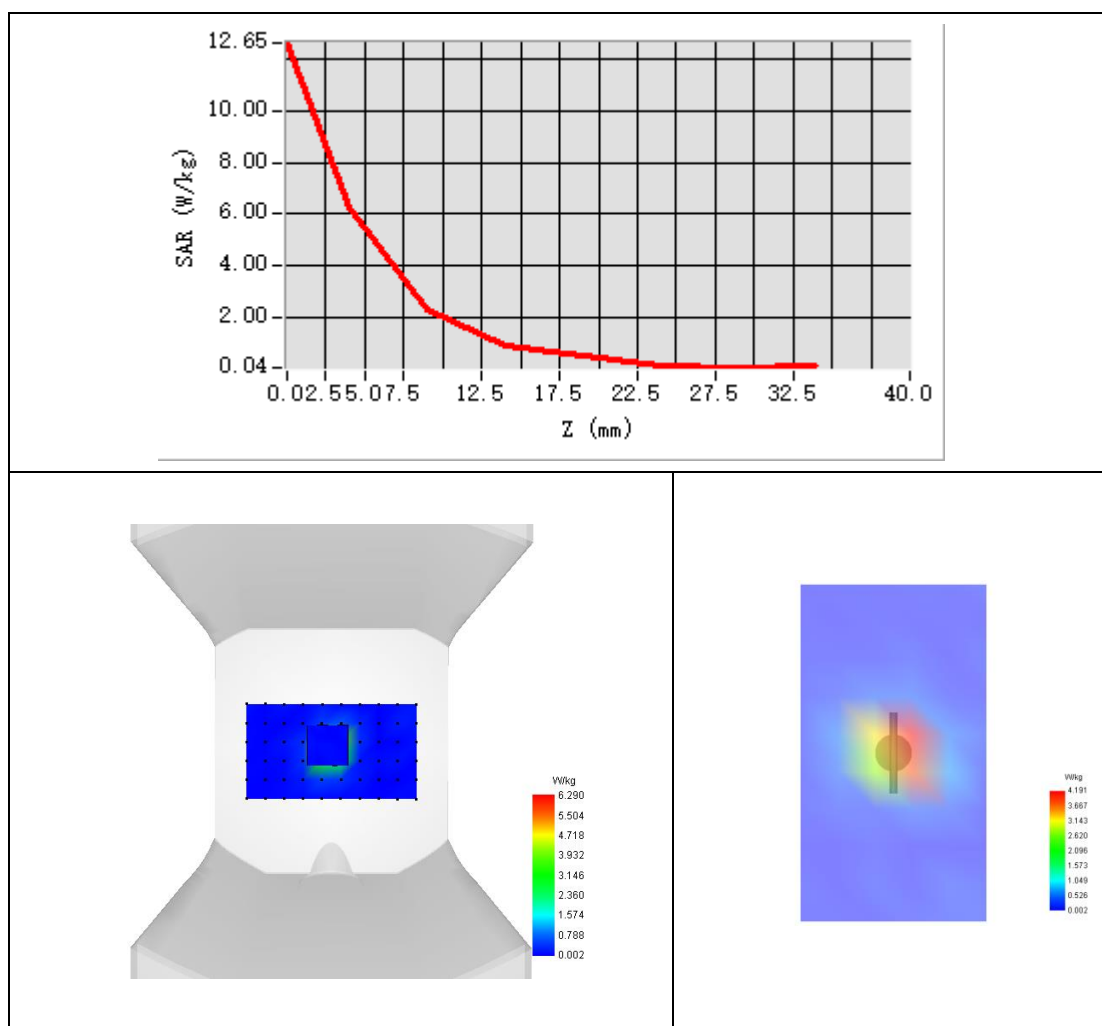


Maximum location: X=5.00, Y=3.00 ; SAR Peak: 13.95 W/kg

SAR 10g (W/Kg)	2.527
SAR 1g (W/Kg)	7.004



Z Axis Scan





System Performance Check Data (5200MHz)

Type: Phone measurement (Complete)

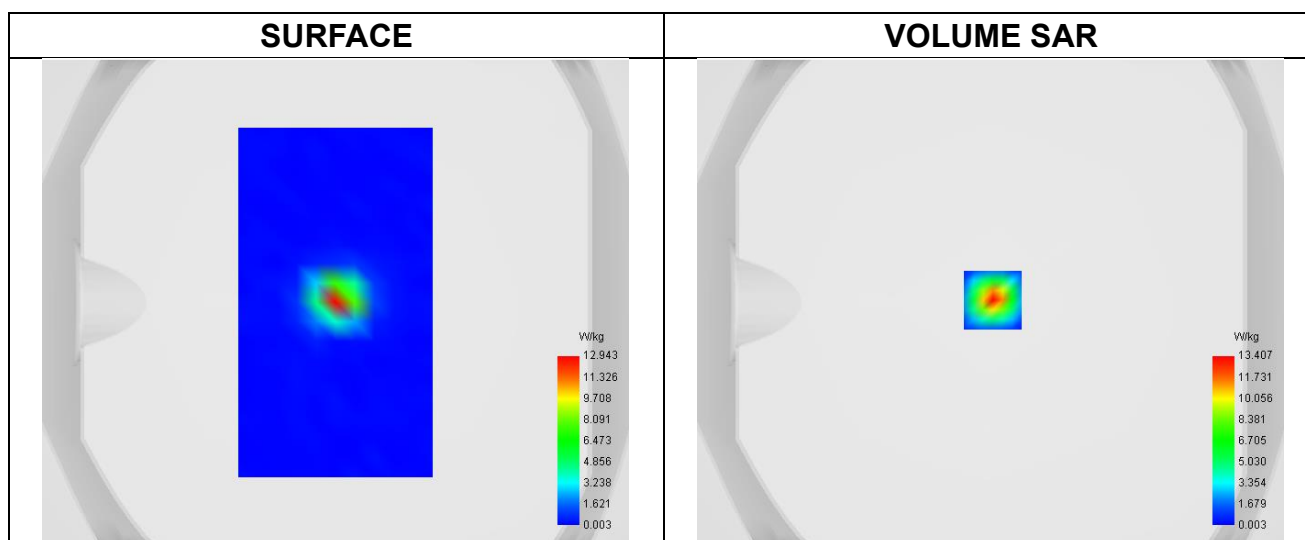
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-04-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW
Frequency (MHz)	5200.000
Relative permittivity	37.49
Conductivity (S/m)	4.63
Probe	SN 04/22 EPG0364
ConvF	1.99
Crest factor:	1:1

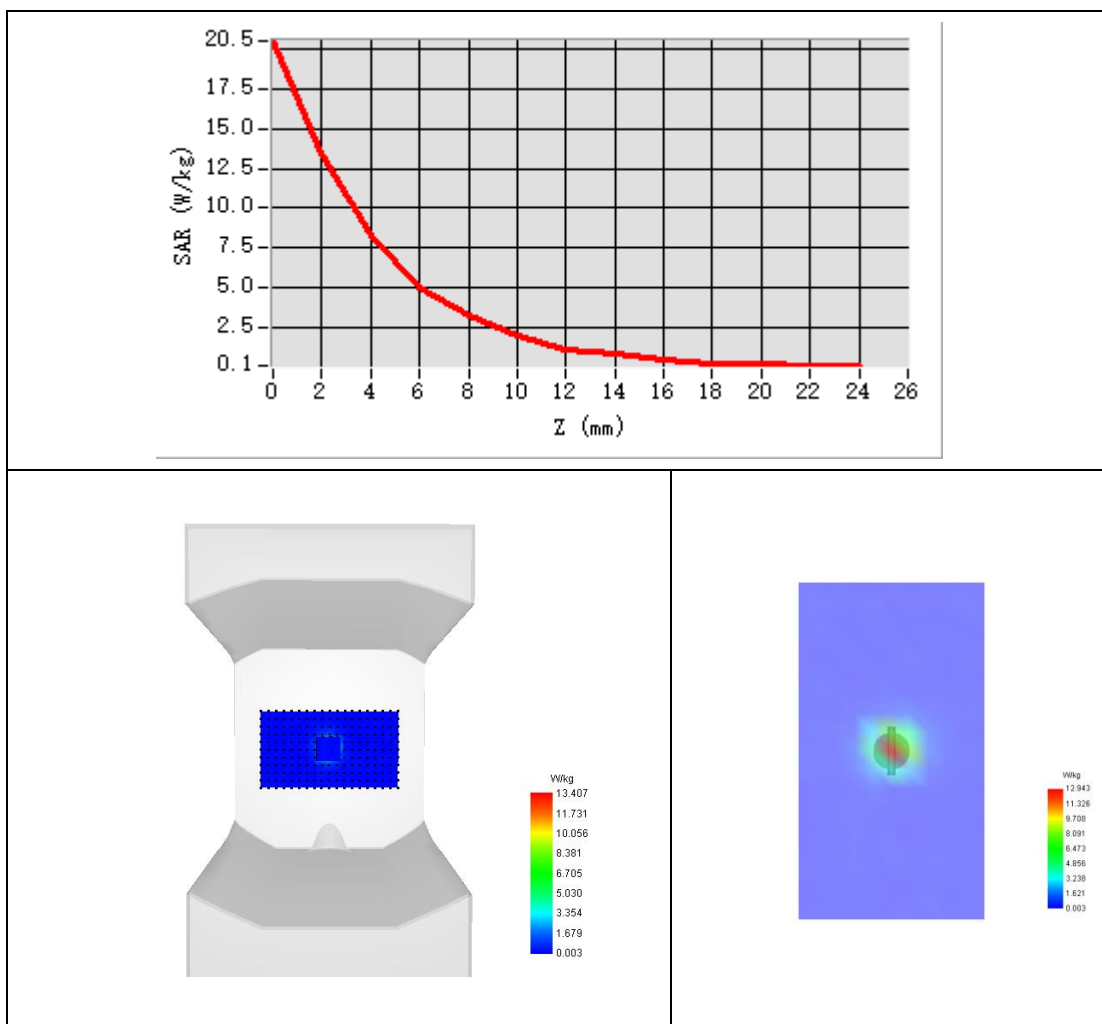


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 20.68 W/kg

SAR 10g (W/Kg)	2.527
SAR 1g (W/Kg)	7.004



Z Axis Scan





System Performance Check Data (5400MHz)

Type: Phone measurement (Complete)

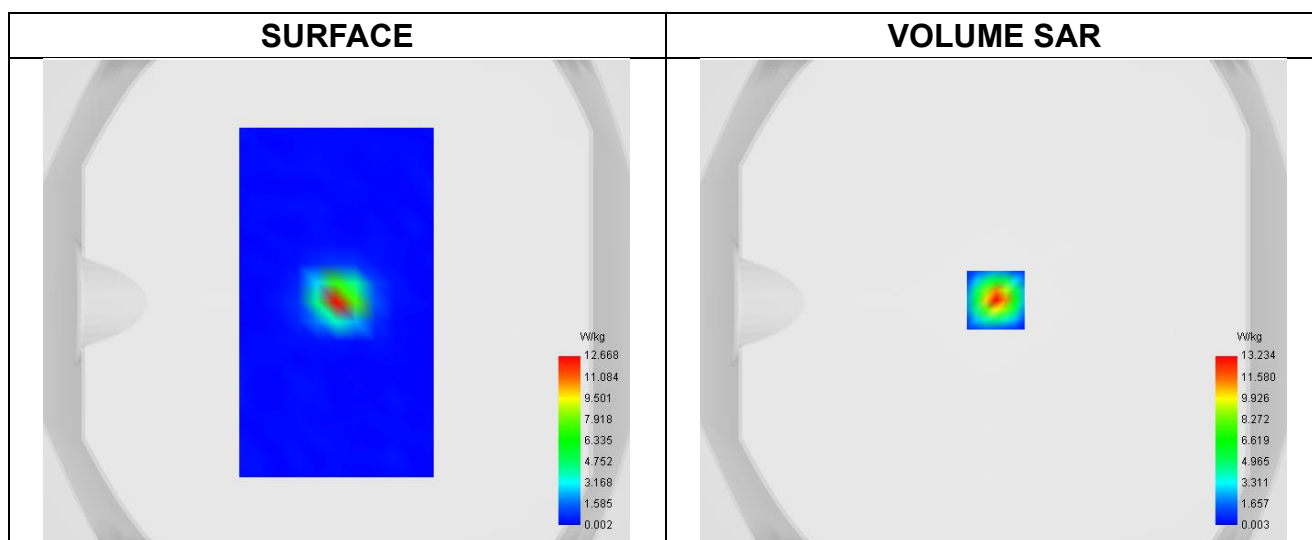
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-04-19

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW
Frequency (MHz)	5400.000
Relative permittivity	36.49
Conductivity (S/m)	4.83
Probe	SN 04/22 EPG0364
ConvF	1.87
Crest factor:	1:1

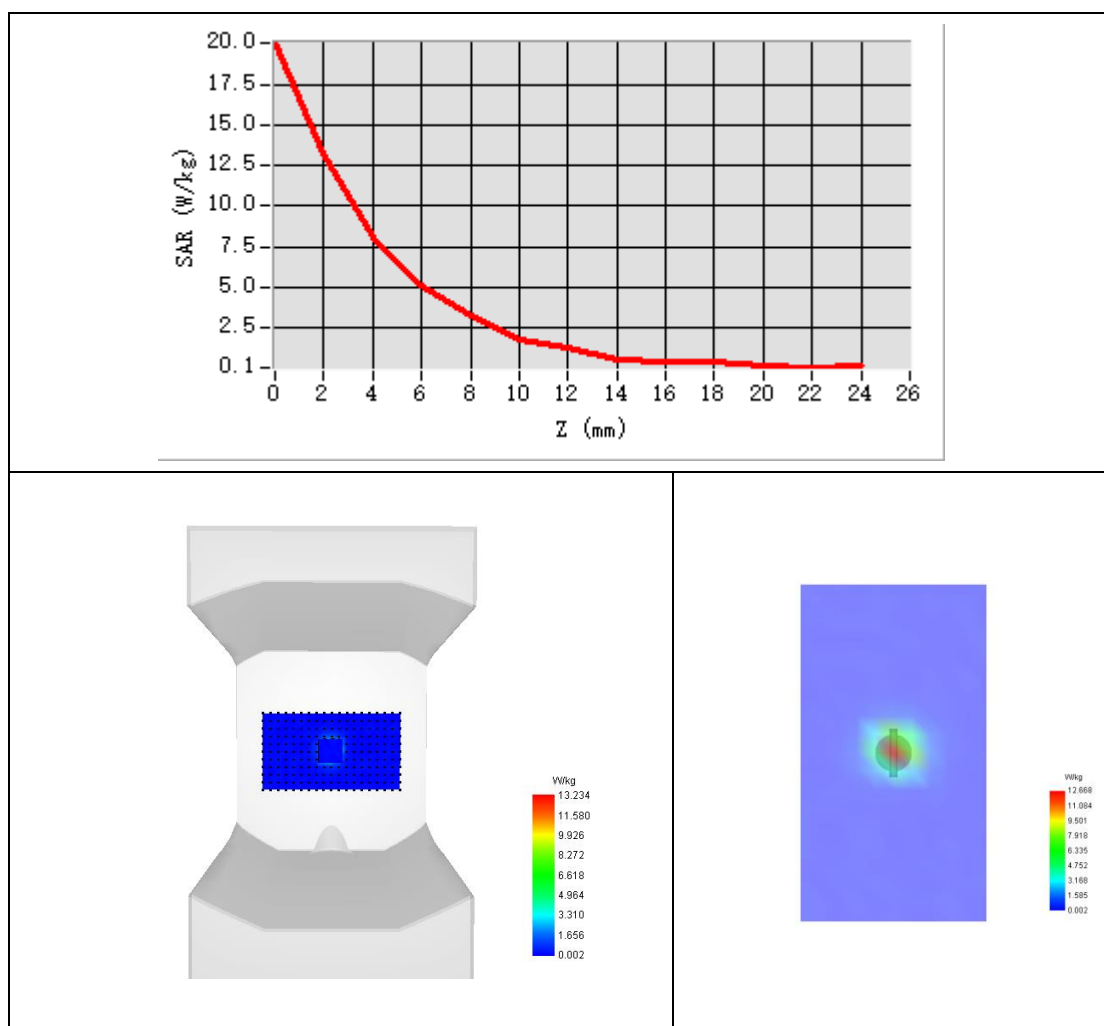


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 21.64 W/kg

SAR 10g (W/Kg)	2.332
SAR 1g (W/Kg)	8.502



Z Axis Scan





System Performance Check Data (5600MHz)

Type: Phone measurement (Complete)

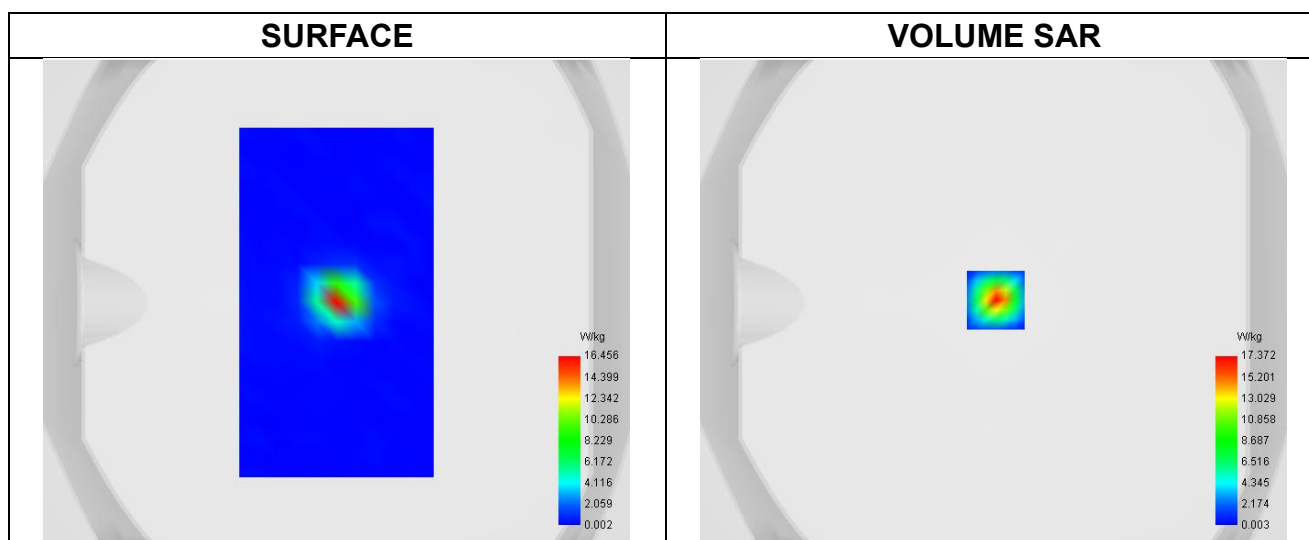
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement:2025-04-20

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW
Frequency (MHz)	5600.000
Relative permittivity	36.85
Conductivity (S/m)	5.01
Probe	SN 04/22 EPG0364
ConvF	1.87
Crest factor:	1:1

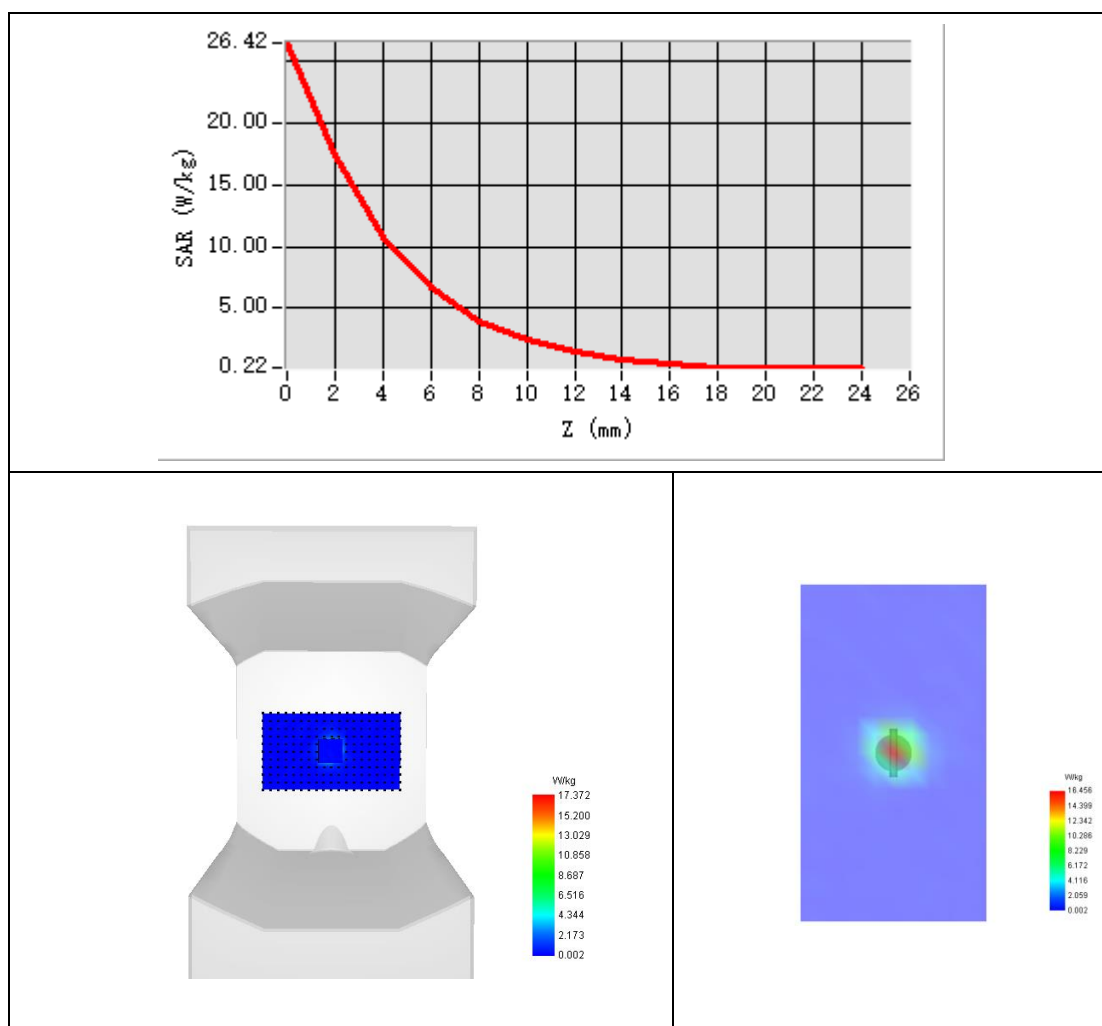


Maximum location: X=1.00, Y=1.00 ; SAR Peak: 26.42 W/kg

SAR 10g (W/Kg)	2.451
SAR 1g (W/Kg)	8.115



Z Axis Scan





System Performance Check Data (5800MHz)

Type: Phone measurement (Complete)

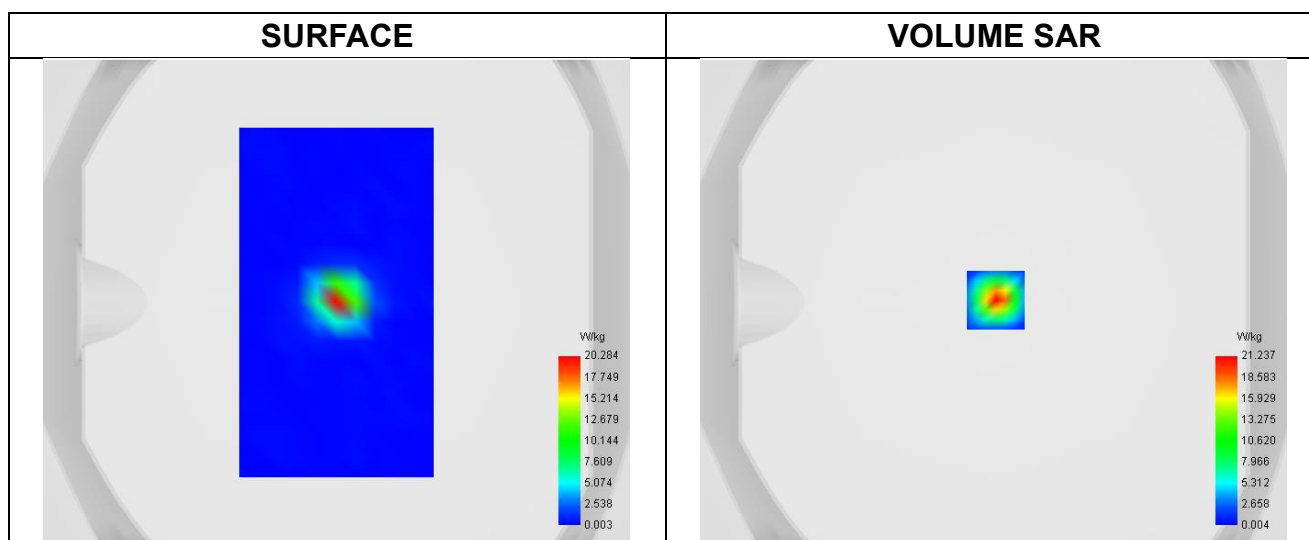
Area scan resolution: dx=8mm, dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2025-04-20

Experimental conditions.

Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW
Frequency (MHz)	5800.000
Relative permittivity	36.11
Conductivity (S/m)	5.26
Probe	SN 04/22 EPG0364
ConvF	1.70
Crest factor:	1:1



Maximum location: X=1.00, Y=1.00 ; SAR Peak: 33.36 W/kg

SAR 10g (W/Kg)	2.367
SAR 1g (W/Kg)	8.359



Z Axis Scan

