

# Part 1\_Appendix A

## Detailed System Check Results

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## System Performance Check 750 MHz Head

### D750V3-SN 1160

Communication System: D750; Frequency: 750.000

Medium: HSL. Medium parameters used:  $f= 750.000$  MHz;  $\sigma= 0.897$  S/m;  $\epsilon_r = 41.6$

#### DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(9.75, 9.68, 9.67); Calibrated: 2023/09/11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2023/09/12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2256
- Measurement Software: cDASY8 V16.2.4.2524

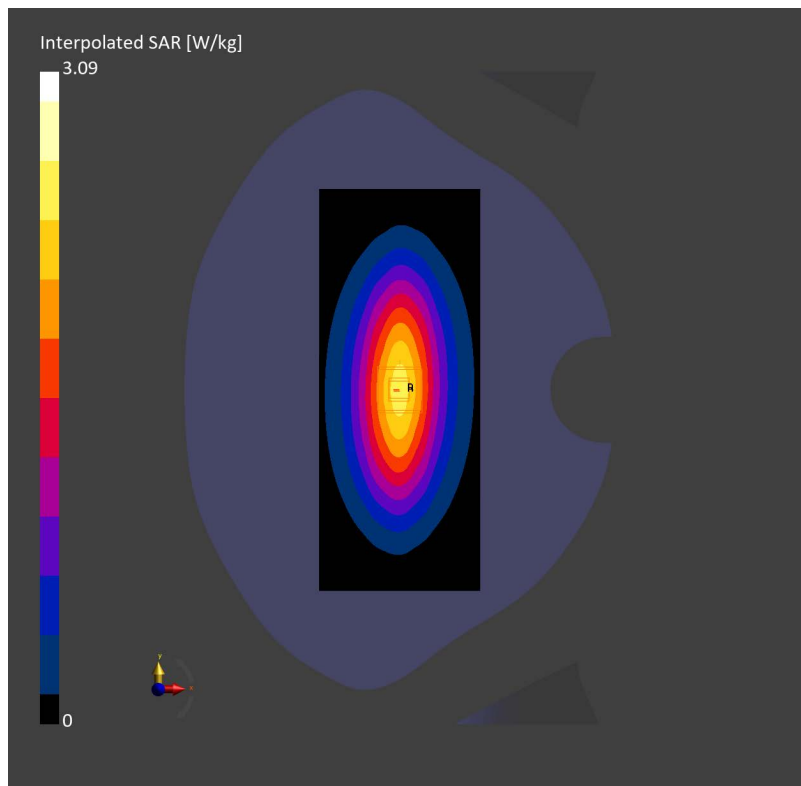
**Area Scan (90.0 mm x 195.0 mm):** Measurement Grid: 15.0 mm x 15.0 mm

SAR (1g) = 2.13 W/kg; SAR (10g) = 1.42 W/kg;

**Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm):** Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm

Power Drift = 0.05 dB

SAR (1g) = 2.14 W/kg; SAR (10g) = 1.43 W/kg;



## System Performance Check 835 MHz Head

### D835V2-SN 4d105

Communication System: D835; Frequency: 835.000

Medium: HSL. Medium parameters used:  $f = 835.000$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 42.6$

#### DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(9.3, 9.34, 9.27); Calibrated: 2023/09/11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2023/09/12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2256
- Measurement Software: cDASY8 V16.2.4.2524

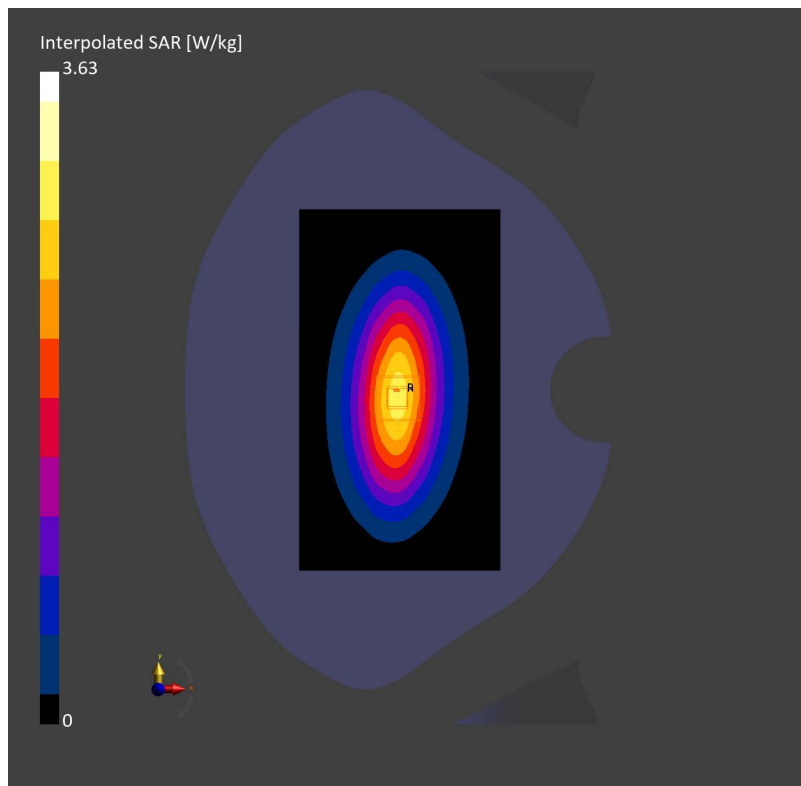
**Area Scan (95.0 mm x 180.0 mm):** Measurement Grid: 15.0 mm x 15.0 mm

SAR (1g) = 2.50 W/kg; SAR (10g) = 1.64 W/kg;

**Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm):** Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm

Power Drift = 0.04 dB

SAR (1g) = 2.52 W/kg; SAR (10g) = 1.68 W/kg;



Test Laboratory: SGS-SAR Lab

**System Performance Check 835MHz Head****DUT: D835V2; Type: Dipole; Serial: 4d105**

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1

Medium: HSL835;Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r = 42.218$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3137; ConvF(5.94, 5.94, 5.94); Calibrated: 2023/9/27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2023/3/17
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=15mm, Pin=250mW/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.30 W/kg

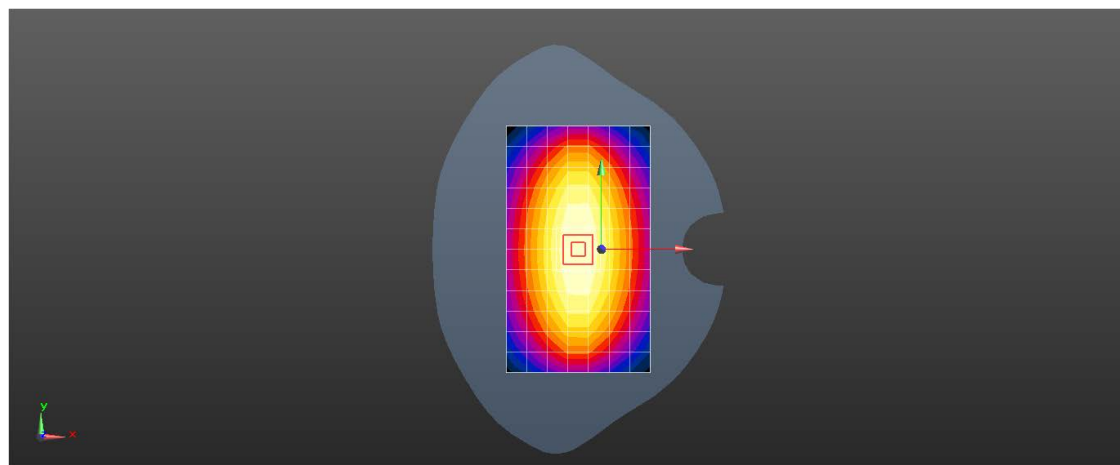
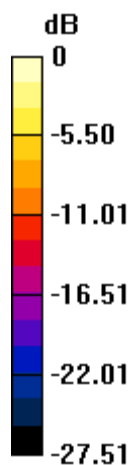
**Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.96 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.37 W/kg

**SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.48 W/kg**

Maximum value of SAR (measured) = 2.65 W/kg



0 dB = 2.30 W/kg = 3.61 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 835MHz Head****DUT: D835V2; Type: Dipole; Serial: 4d105**

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1

Medium: HSL835;Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.906 \text{ S/m}$ ;  $\epsilon_r = 41.928$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.73, 10.73, 10.73); Calibrated: 2022/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2022/12/10
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=15mm, Pin=250mW/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.36 W/kg

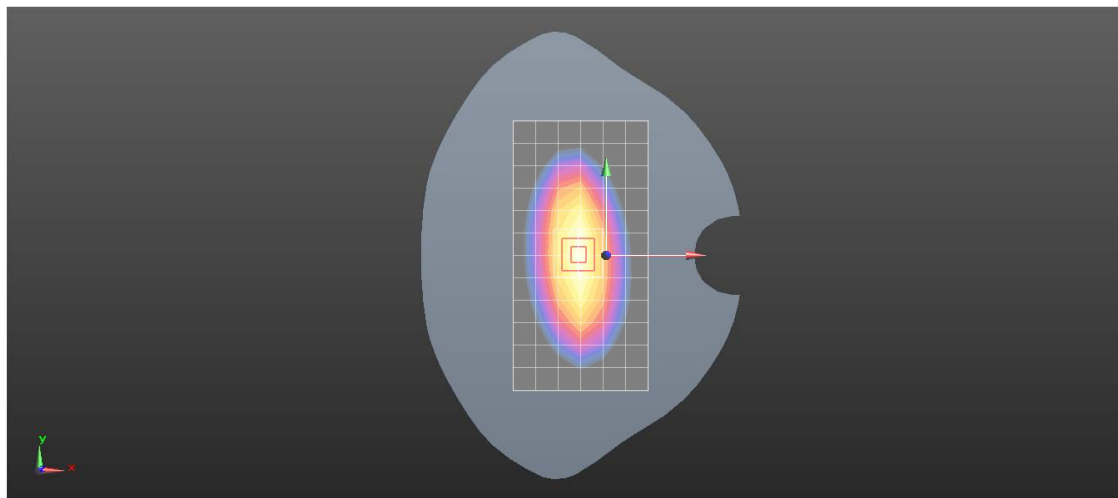
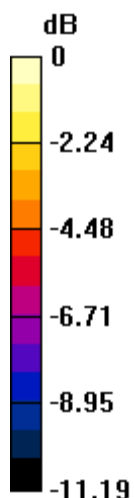
**Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.92 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.00 W/kg

**SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.59 W/kg**

Maximum value of SAR (measured) = 3.42 W/kg



0 dB = 3.42 W/kg = 5.34 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 835MHz Head****DUT: D835V2; Type: Dipole; Serial: 4d105**

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1

Medium: HSL835;Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.913$  S/m;  $\epsilon_r = 43.091$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.73, 10.73, 10.73); Calibrated: 2022/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2022/12/10
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=15mm, Pin=250mW/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.06 W/kg

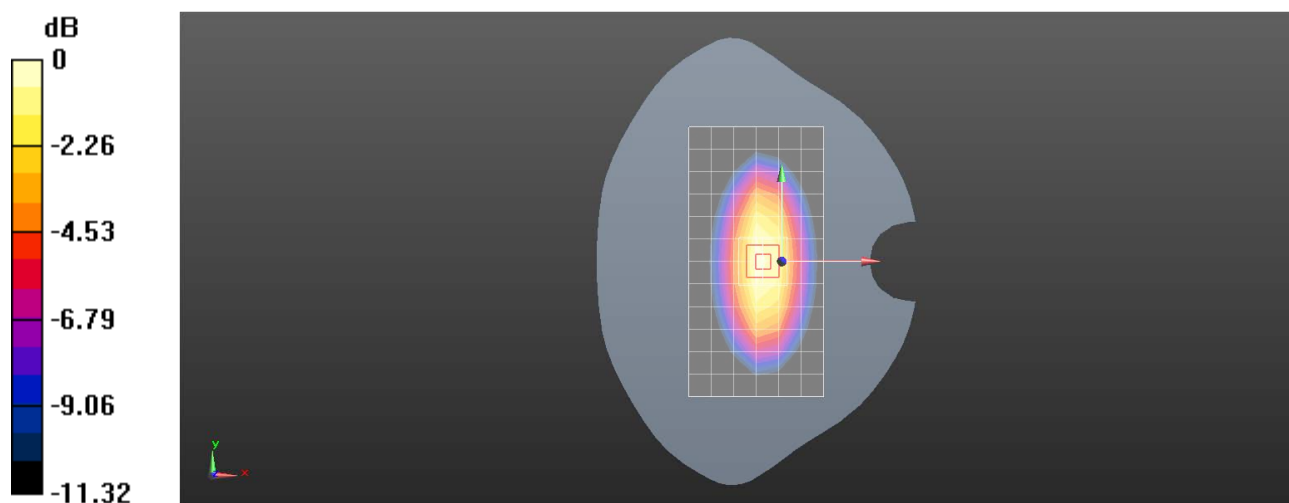
**Configuration/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.62 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.84 W/kg

**SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.5 W/kg**

Maximum value of SAR (measured) = 3.29 W/kg



0 dB = 3.29 W/kg = 5.17 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 1750MHz Head****DUT: D1750V2; Type: Dipole; Serial: 1149**

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.37$  S/m;  $\epsilon_r = 39.144$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3137; ConvF(5.07, 5.07, 5.07); Calibrated: 2023/9/27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2023/3/17
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=250mW/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.5 W/kg

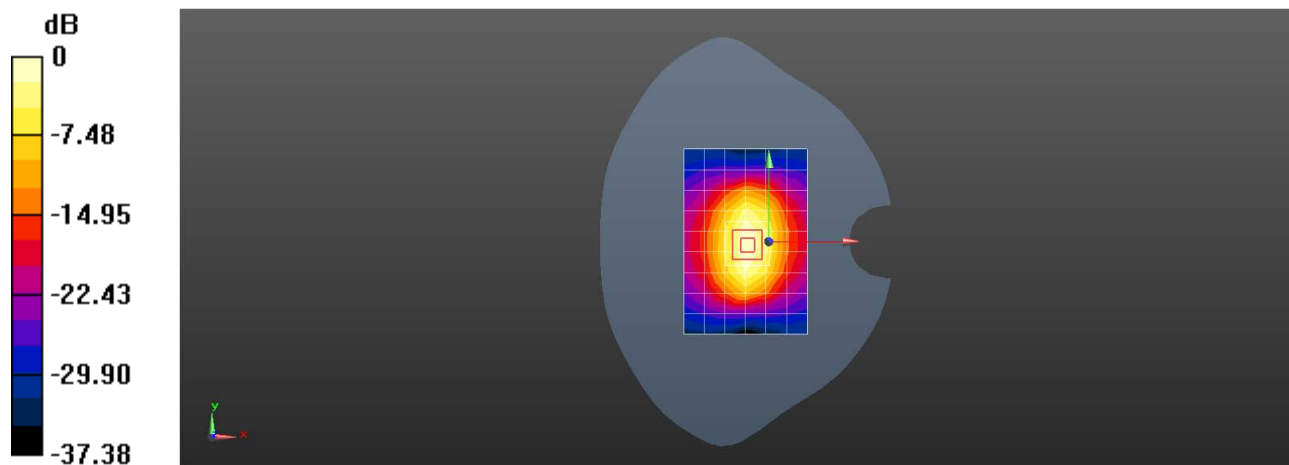
**Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.68 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 15.7 W/kg

**SAR(1 g) = 8.78 W/kg; SAR(10 g) = 4.69 W/kg**

Maximum value of SAR (measured) = 11.1 W/kg



0 dB = 10.5 W/kg = 10.20 dBW/kg

## System Performance Check 1750 MHz Head

### D1750V2-SN 1149

Communication System: D1750; Frequency: 1750.000

Medium: HSL. Medium parameters used:  $f= 1750.000$  MHz;  $\sigma= 1.34$  S/m;  $\epsilon_r = 40.5$

#### DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(8.11, 8.04, 8.17); Calibrated: 2023/09/11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2023/09/12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2256
- Measurement Software: cDASY8 V16.2.4.2524

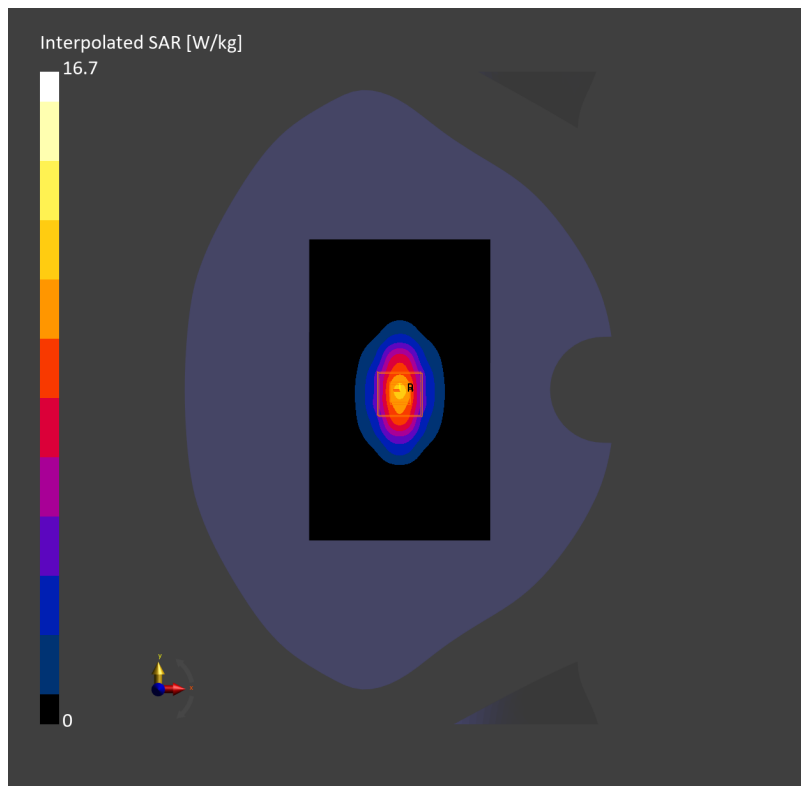
**Area Scan (90.0 mm x 150.0 mm):** Measurement Grid: 15.0 mm x 15.0 mm

SAR (1g) = 9.37 W/kg; SAR (10g) = 4.97 W/kg;

**Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm):** Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm

Power Drift = 0.06 dB

SAR (1g) = 9.45 W/kg; SAR (10g) = 5.09 W/kg;





Test Laboratory: SGS-SAR Lab

**System Performance Check 1750 MHz Head****DUT: D1750V2; Type: Dipole; Serial: 1149**

Communication System: CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.328$  S/m;  $\epsilon_r = 40.664$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(8.01, 8.01, 8.01); Calibrated: 2023/8/7;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2023/6/26
- Phantom: SAM 5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.8(7028)

**Body/d=10mm, Pin=250mW/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 12.3 W/kg

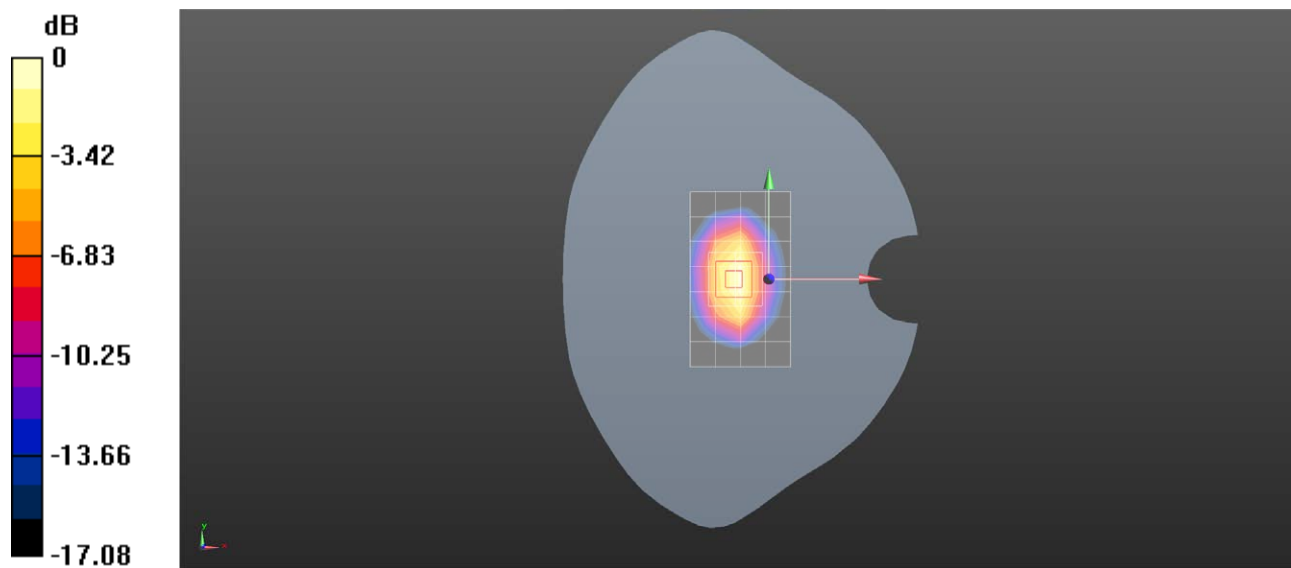
**Body/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.985 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 17.5 W/kg

**SAR(1 g) = 9.7 W/kg; SAR(10 g) = 5.16 W/kg**

Maximum value of SAR (measured) = 14.9 W/kg



0 dB = 14.9 W/kg = 11.73 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 1750 MHz Head****DUT: D1750V2; Type: Dipole; Serial: 1149**

Communication System: CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL1750; Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.317$  S/m;  $\epsilon_r = 40.23$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(8.01, 8.01, 8.01); Calibrated: 2023/8/7;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2023/6/26
- Phantom: SAM 5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.8(7028)

**Body/d=10mm, Pin=250mW/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 12.2 W/kg

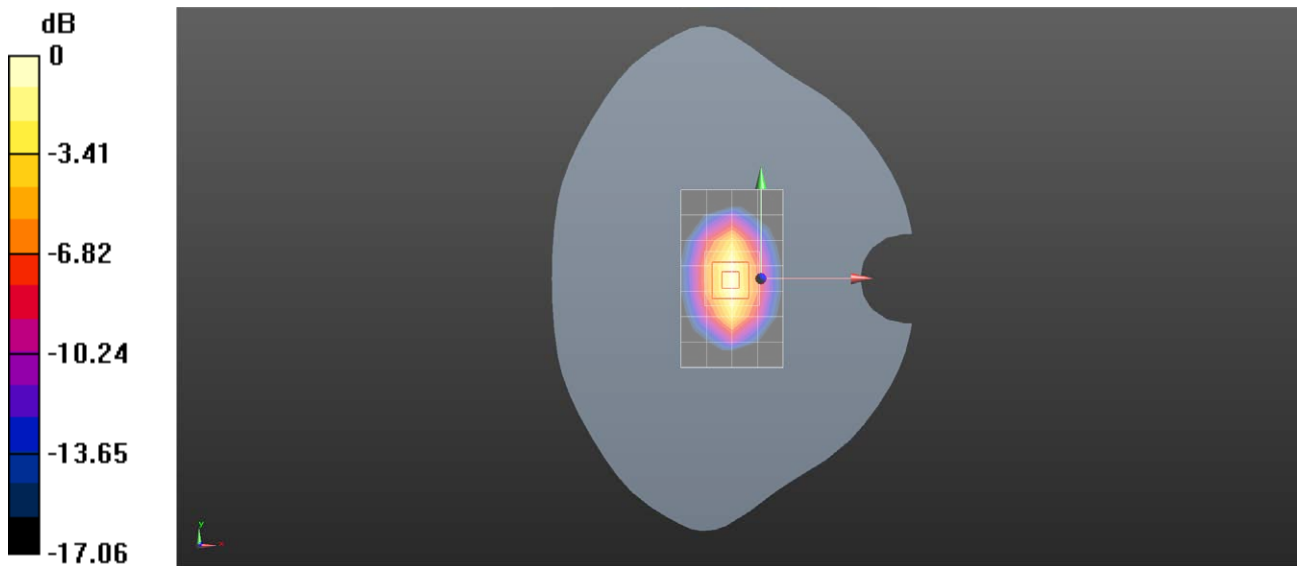
**Body/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.994 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 15.3 W/kg

**SAR(1 g) = 8.49 W/kg; SAR(10 g) = 4.52 W/kg**

Maximum value of SAR (measured) = 13.0 W/kg



0 dB = 13.0 W/kg = 11.14 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 1900 MHz Head****DUT: D1900V2; Type: Dipole; Serial: 5d028**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.398$  S/m;  $\epsilon_r = 41.627$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3137; ConvF(4.83, 4.83, 4.83); Calibrated: 2023/9/27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2023/3/17
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Body/d=10mm, Pin=250mW/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 11.2 W/kg

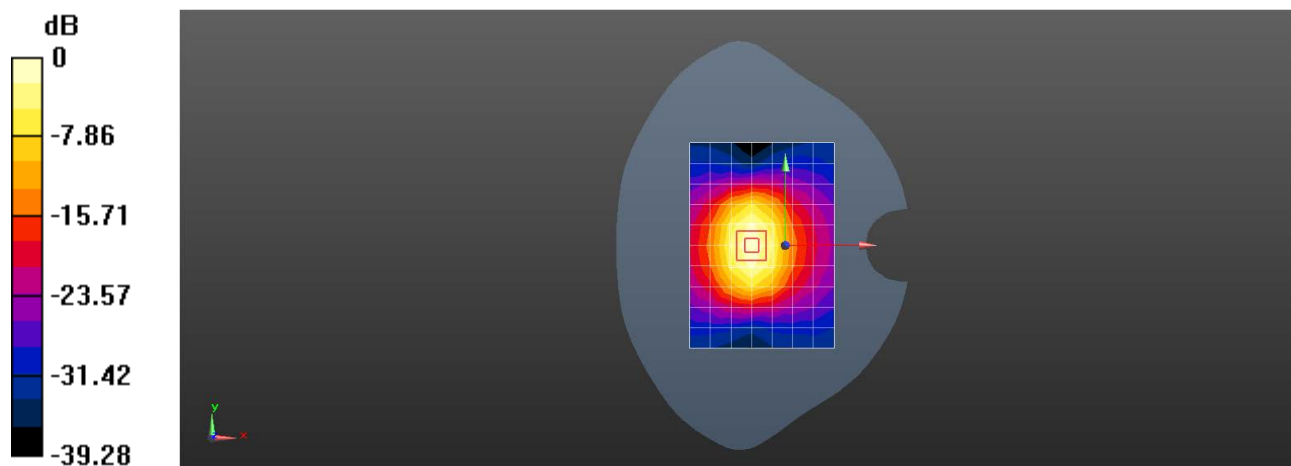
**Body/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 76.80 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 18.3 W/kg

**SAR(1 g) = 9.89 W/kg; SAR(10 g) = 5.15 W/kg**

Maximum value of SAR (measured) = 11.2 W/kg



0 dB = 11.2 W/kg = 10.48 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 1900MHz Head****DUT: D1900V2; Type: Dipole; Serial: 5d028**

Communication System: CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1

Medium: HSL1900;Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.366$  S/m;  $\epsilon_r = 40.527$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.63, 7.63, 7.63); Calibrated: 2023/8/7;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2023/6/26
- Phantom: SAM 5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.8(7028)

**Configuration/d=10mm, Pin=250mW/Area Scan (8x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 13.9 W/kg

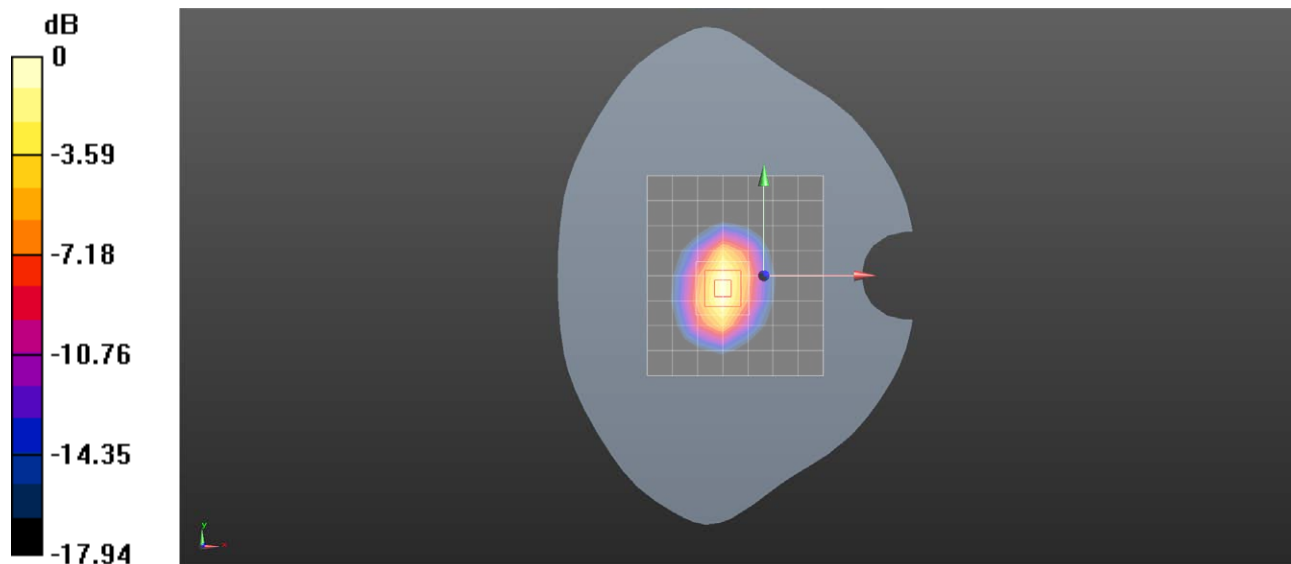
**Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 75.929 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 18.5 W/kg

**SAR(1 g) = 9.93 W/kg; SAR(10 g) = 5.13 W/kg**

Maximum value of SAR (measured) = 15.6 W/kg



0 dB = 15.6 W/kg = 11.93 dBW/kg

## System Performance Check 1950 MHz Head

### D1950V3-SN 1138

Communication System: D1950; Frequency: 1950.000

Medium: HSL. Medium parameters used:  $f= 1950.000$  MHz;  $\sigma= 1.38$  S/m;  $\epsilon_r = 40.1$

#### DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(7.82, 7.76, 7.85); Calibrated: 2023/09/11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2023/09/12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2256
- Measurement Software: cDASY8 V16.2.4.2524

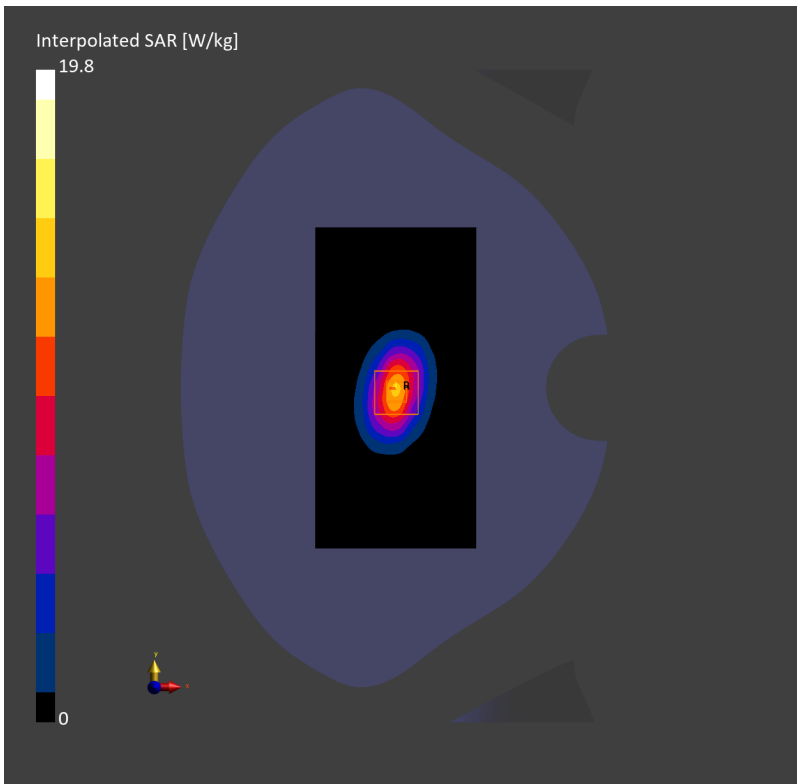
**Area Scan (90.0 mm x 150.0 mm):** Measurement Grid: 15.0 mm x 15.0 mm

SAR (1g) = 10.8 W/kg; SAR (10g) = 5.53 W/kg;

**Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm):** Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm

Power Drift = 0.05 dB

SAR (1g) = 10.9 W/kg; SAR (10g) = 5.66 W/kg;



## System Performance Check 2450 MHz Head

### D2450V2-SN 733

Communication System: D2450; Frequency: 2450.000

Medium: HSL. Medium parameters used:  $f = 2450.000$  MHz;  $\sigma = 1.79$  S/m;  $\epsilon_r = 40.4$

#### DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(7.4, 7.32, 7.42); Calibrated: 2023/09/11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2023/09/12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2256
- Measurement Software: cDASY8 V16.2.4.2524

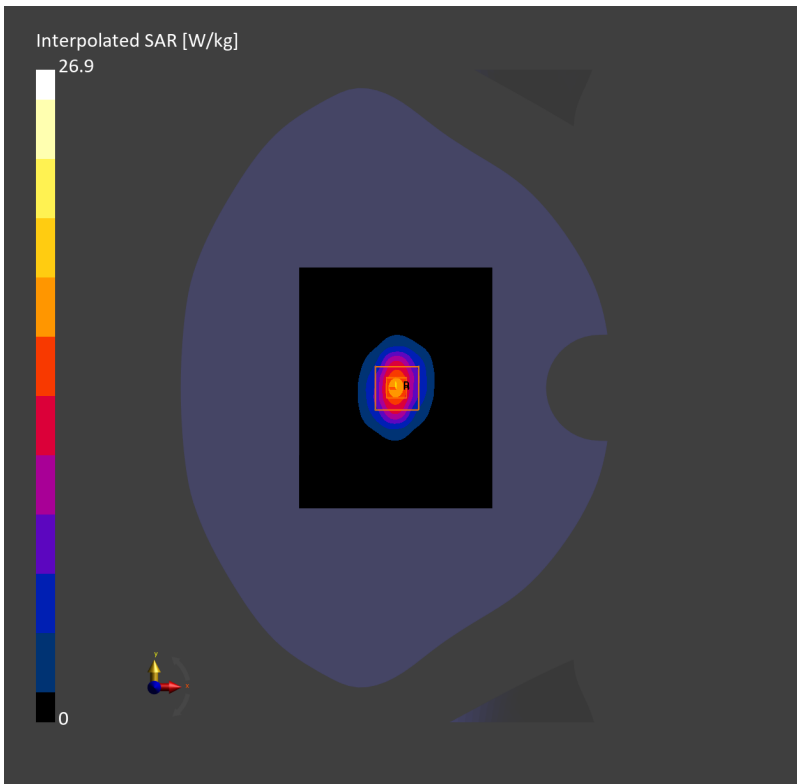
**Area Scan (96.0 mm x 120.0 mm):** Measurement Grid: 12.0 mm x 12.0 mm

SAR (1g) = 13.2 W/kg; SAR (10g) = 6.07 W/kg;

**Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm):** Measurement Grid: 5.0 mm x 5.0 mm x 5.0 mm

Power Drift = 0.06 dB

SAR (1g) = 13.5 W/kg; SAR (10g) = 6.25 W/kg;



Test Laboratory: SGS-SAR Lab

**System Performance Check 2600MHz Head****DUT: D2600V2; Type: Dipole; Serial: 1125**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.932$  S/m;  $\epsilon_r = 38.819$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(8, 8, 8); Calibrated: 2022/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2022/12/10
- Phantom: SAM 2; Type: SAM Twin; Serial: 1640
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Body/d=10mm, Pin=250mW/Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 22.3 W/kg

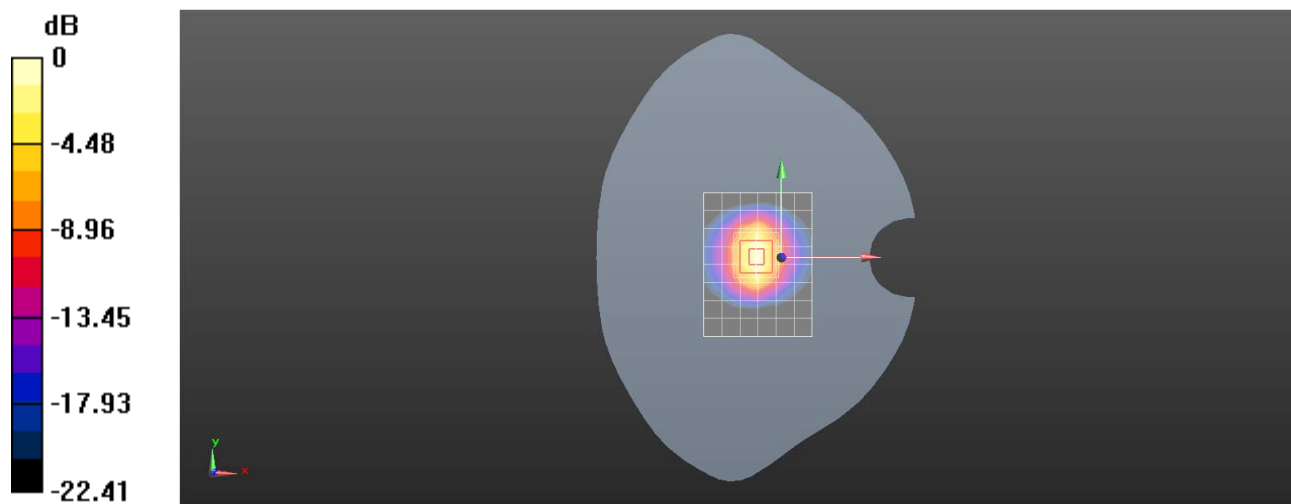
**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.14 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 30.5 W/kg

**SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.55 W/kg**

Maximum value of SAR (measured) = 24.6 W/kg



0 dB = 24.6 W/kg = 13.91 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 2600MHz Head****DUT: D2600V2; Type: Dipole; Serial: 1125**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.96$  S/m;  $\epsilon_r = 37.623$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(8, 8, 8); Calibrated: 2022/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2022/12/10
- Phantom: SAM 2; Type: SAM Twin; Serial: 1640
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Body/d=10mm, Pin=250mW/Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 21.5 W/kg

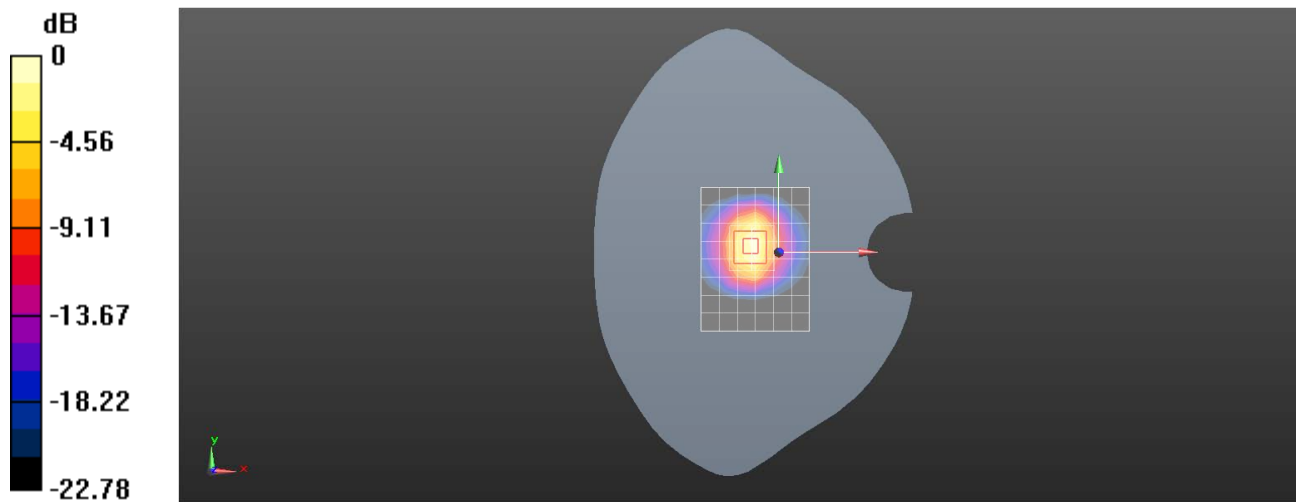
**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.40 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 29.8 W/kg

**SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.43 W/kg**

Maximum value of SAR (measured) = 23.8 W/kg



0 dB = 23.8 W/kg = 13.77 dBW/kg



Test Laboratory: SGS-SAR Lab

**System Performance Check 2600MHz Head****DUT: D2600V2; Type: Dipole; Serial: 1125**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.966$  S/m;  $\epsilon_r = 39.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3624; ConvF(7.55, 7.55, 7.55); Calibrated: 2023/5/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2022/12/10
- Phantom: SAM 2; Type: SAM Twin; Serial: 1640
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Body/d=10mm, Pin=250mW/Area Scan (7x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 21.9 W/kg

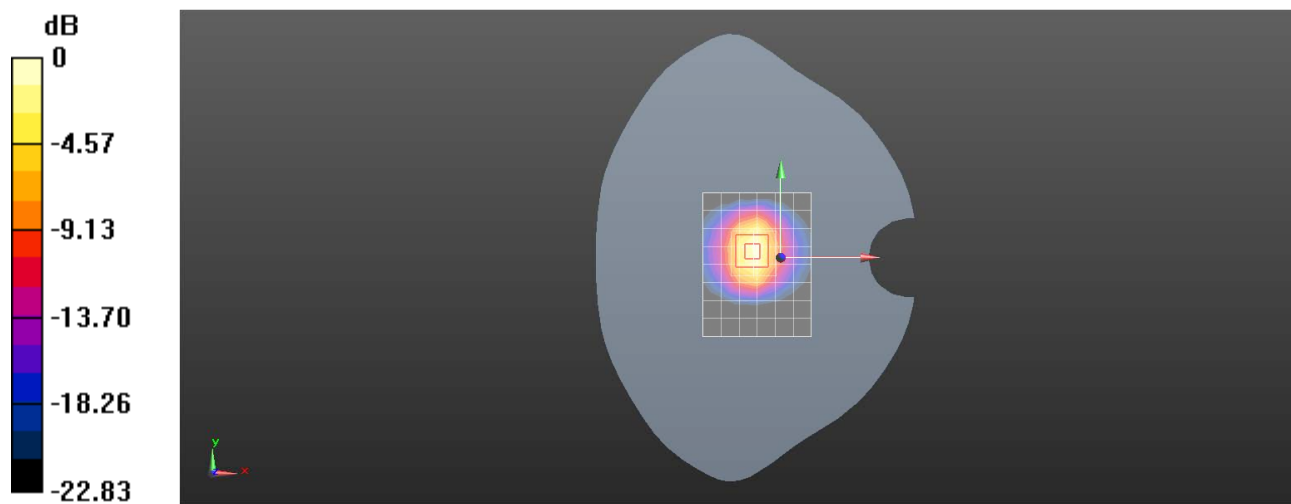
**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.89 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 30.4 W/kg

**SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.52 W/kg**

Maximum value of SAR (measured) = 24.2 W/kg



0 dB = 24.2 W/kg = 13.84 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 2600MHz Head****DUT: D2600V2; Type: Dipole; Serial: 1125**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.989$  S/m;  $\epsilon_r = 39.363$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3624; ConvF(7.55, 7.55, 7.55); Calibrated: 2023/5/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2022/12/10
- Phantom: SAM 2; Type: SAM Twin; Serial: 1640
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Body/d=10mm, Pin=250mW/Area Scan (7x10x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 22.0 W/kg

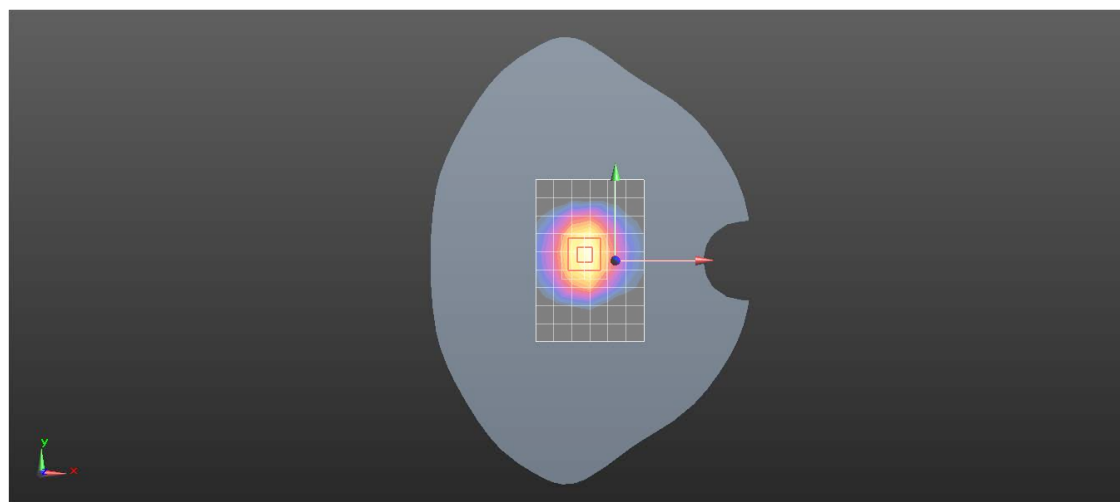
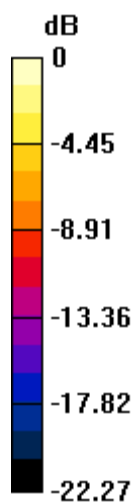
**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.80 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 30.6 W/kg

**SAR(1 g) = 14.8 W/kg; SAR(10 g) = 6.76 W/kg**

Maximum value of SAR (measured) = 24.7 W/kg



0 dB = 24.7 W/kg = 13.93 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 2600MHz Head****DUT: D2600V2; Type: Dipole; Serial: 1125**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600; Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.959$  S/m;  $\epsilon_r = 39.84$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3624; ConvF(7.55, 7.55, 7.55); Calibrated: 2023/5/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn702; Calibrated: 2023/11/17
- Phantom: SAM 2; Type: SAM Twin; Serial: 1640
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Body/d=10mm, Pin=250mW/Area Scan (7x10x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 22.5 W/kg

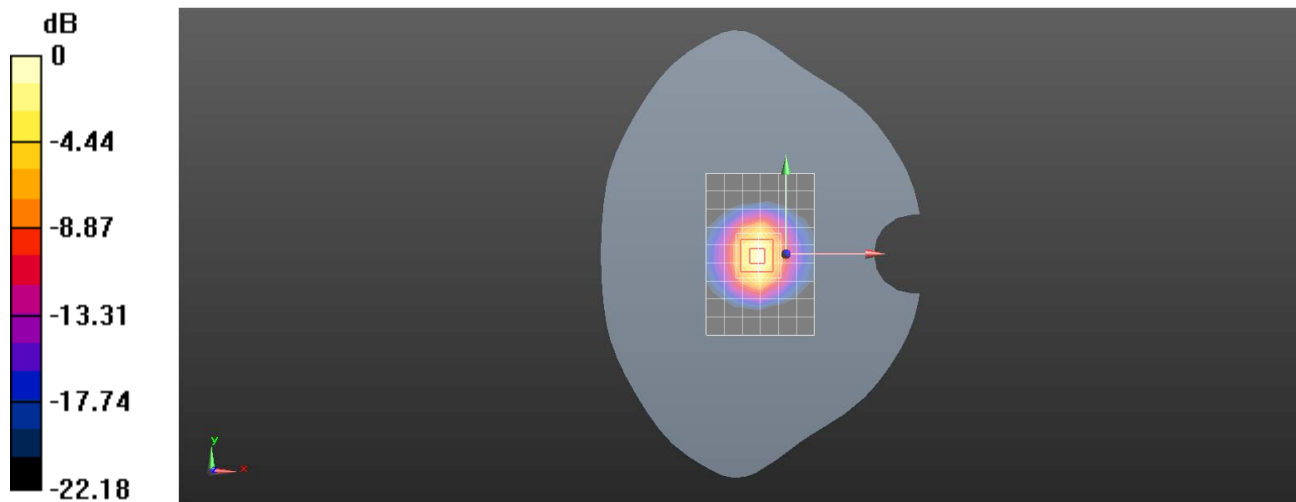
**Body/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.44 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 29.5 W/kg

**SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.57 W/kg**

Maximum value of SAR (measured) = 24.1 W/kg



0 dB = 24.1 W/kg = 13.82 dBW/kg

**System Performance Check 3500 MHz Head****D3500V2-SN 1082**

Communication System: D3500; Frequency: 3500.000

Medium: HSL. Medium parameters used:  $f = 3500.000$  MHz;  $\sigma = 2.86$  S/m;  $\epsilon_r = 37.9$

**DASY8 Configuration:**

- Probe: EX3DV4 - SN7821; ConvF(6.69, 6.93, 7.15); Calibrated: 2023/07/17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2023/07/14
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.2.4.2524

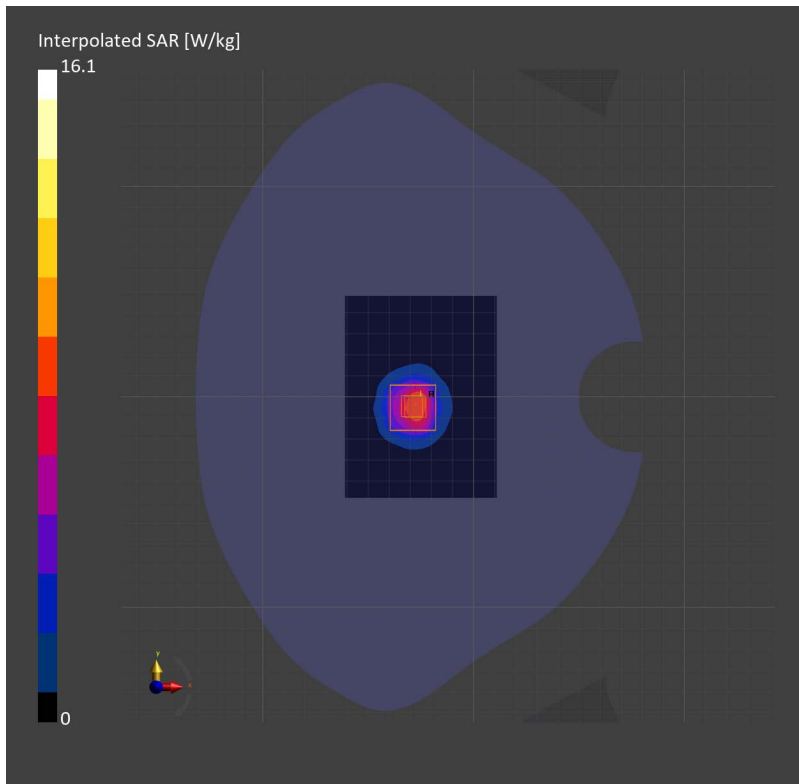
**Area Scan (72.0 mm x 96.0 mm):** Measurement Grid: 12.0 mm x 12.0 mm

SAR (1g) = 7.19 W/kg; SAR (10g) = 2.97 W/kg;

**Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm):** Measurement Grid: 5.0 mm x 5.0 mm x 5.0 mm

Power Drift = -0.17 dB

SAR (1g) = 6.54 W/kg; SAR (10g) = 2.50 W/kg;



**System Performance Check 3700 MHz Head****D3700V2-SN 1046**

Communication System: D3700; Frequency: 3700.000

Medium: HSL. Medium parameters used:  $f= 3700.000$  MHz;  $\sigma= 2.99$  S/m;  $\epsilon_r = 38.9$

**DASY8 Configuration:**

- Probe: EX3DV4 - SN7821; ConvF(6.64, 6.87, 7.09); Calibrated: 2023/07/17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2023/07/14
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.2.4.2524

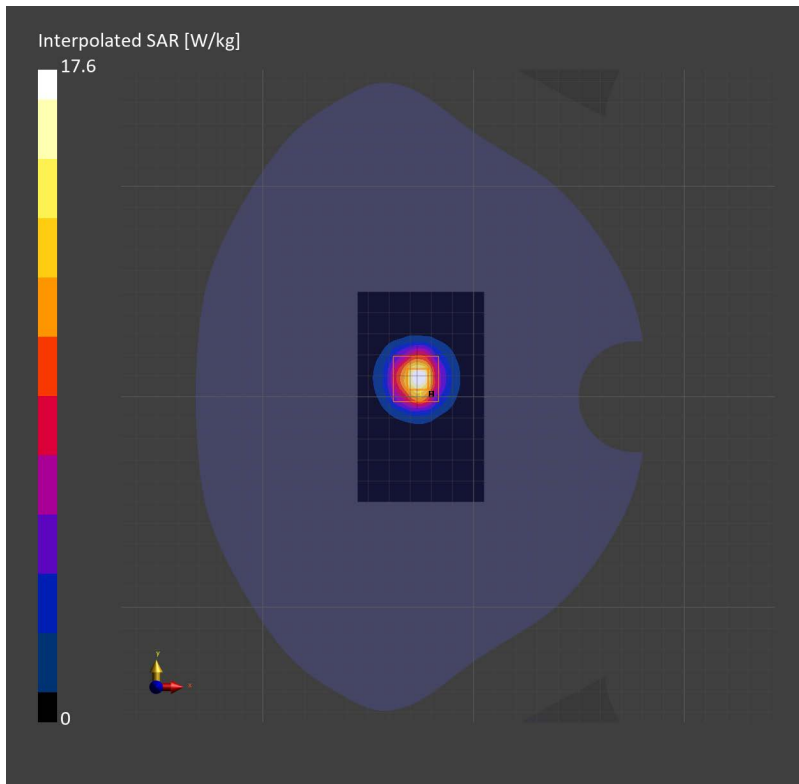
**Area Scan (60.0 mm x 100.0 mm):** Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 6.47 W/kg; SAR (10g) = 2.44 W/kg;

**Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm):** Measurement Grid: 5.0 mm x 5.0 mm x 5.0 mm

Power Drift = 0.01 dB

SAR (1g) = 6.80 W/kg; SAR (10g) = 2.53 W/kg;



**System Performance Check 3900 MHz Head****D3900V2-SN 1026**

Communication System: D3900; Frequency: 3900.000

Medium: HSL. Medium parameters used:  $f= 3900.000$  MHz;  $\sigma= 3.21$  S/m;  $\epsilon_r = 38.6$

**DASY8 Configuration:**

- Probe: EX3DV4 - SN7821; ConvF(6.6, 6.81, 7.03); Calibrated: 2023/07/17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2023/07/14
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.2.4.2524

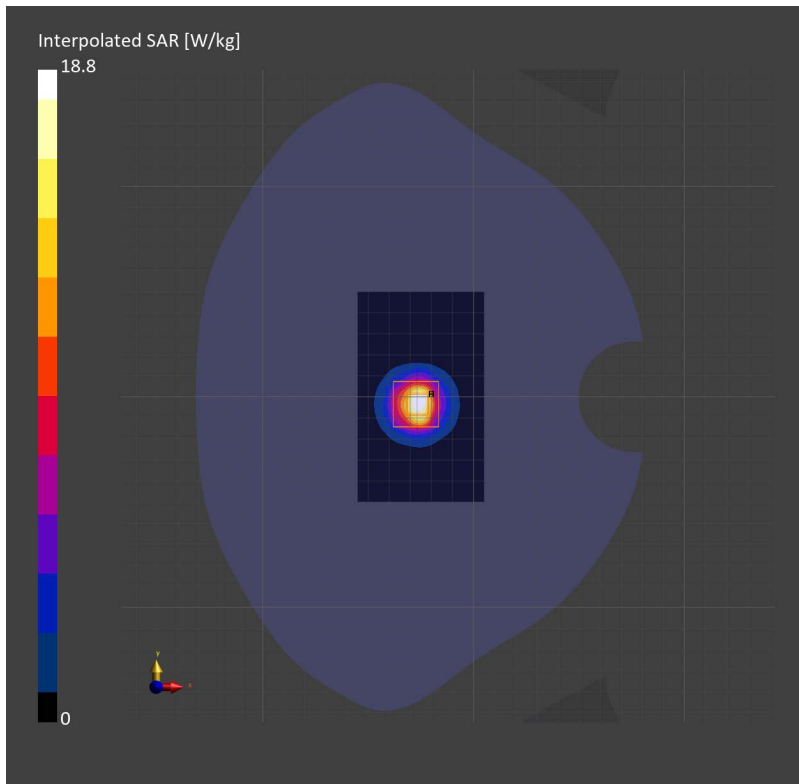
**Area Scan (60.0 mm x 100.0 mm):** Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 6.62 W/kg; SAR (10g) = 2.41 W/kg;

**Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm):** Measurement Grid: 5.0 mm x 5.0 mm x 5.0 mm

Power Drift = 0.08 dB

SAR (1g) = 7.09 W/kg; SAR (10g) = 2.51 W/kg;



## System Performance Check 5250 MHz Head

### D5GHzV2-SN 1165

Communication System: D5GHz; Frequency: 5250.000

Medium: HSL. Medium parameters used:  $f = 5250.000$  MHz;  $\sigma = 4.60$  S/m;  $\epsilon_r = 34.9$

#### DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(5.34, 5.25, 5.46); Calibrated: 2023/09/11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2023/09/12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2256
- Measurement Software: cDASY8 V16.2.4.2524

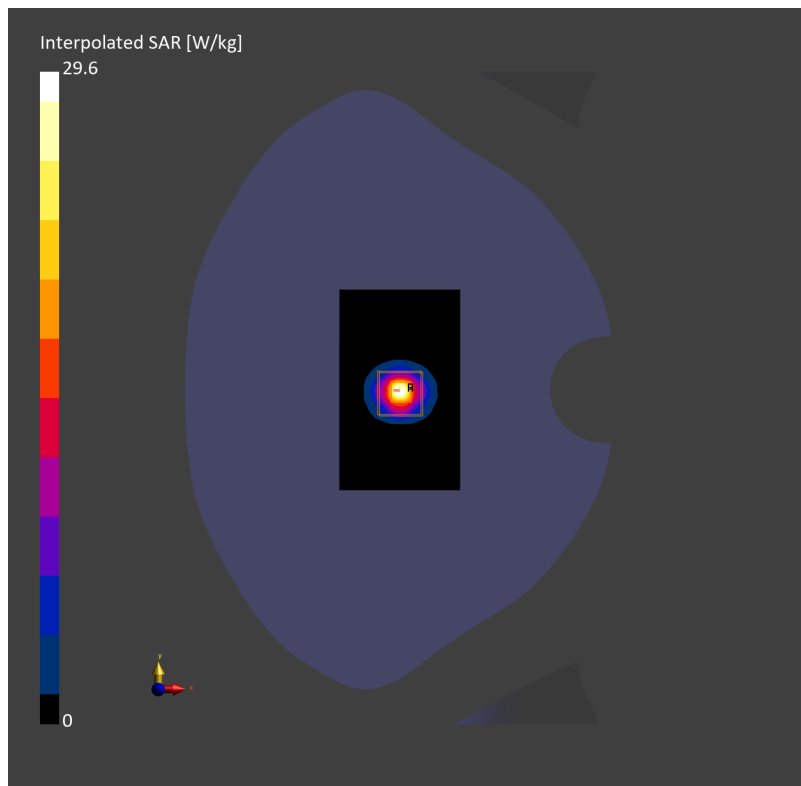
**Area Scan (60.0 mm x 100.0 mm):** Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 6.97 W/kg; SAR (10g) = 2.01 W/kg;

**Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm):** Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.05 dB

SAR (1g) = 7.57 W/kg; SAR (10g) = 2.18 W/kg;



## System Performance Check 5600 MHz Head

### D5GHzV2-SN 1165

Communication System: D5GHz; Frequency: 5600.000

Medium: HSL. Medium parameters used:  $f= 5600.000$  MHz;  $\sigma= 4.97$  S/m;  $\epsilon_r = 34.0$

#### DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(4.77, 4.64, 4.79); Calibrated: 2023/09/11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2023/09/12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2256
- Measurement Software: cDASY8 V16.2.4.2524

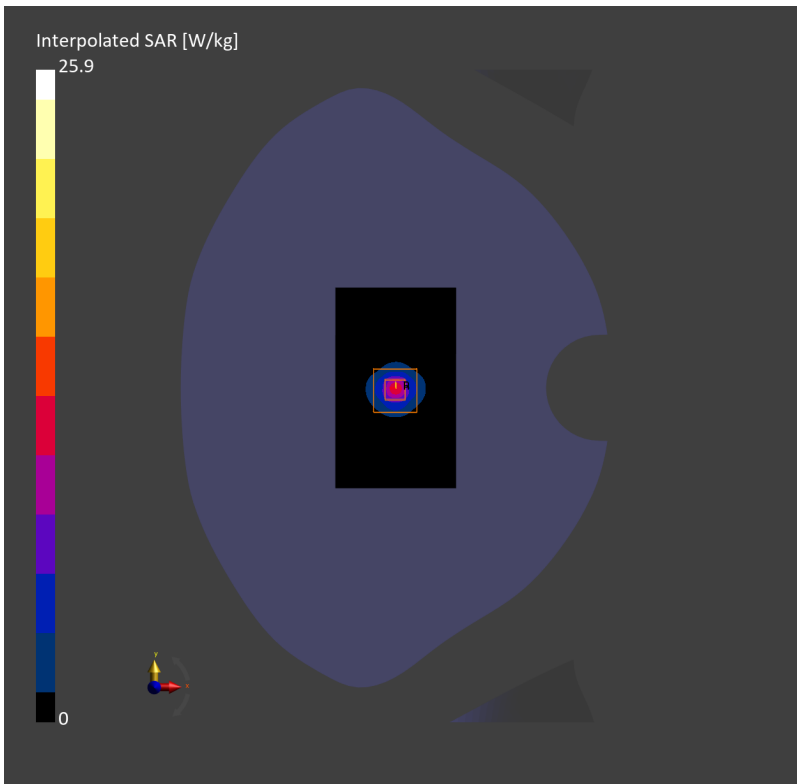
**Area Scan (60.0 mm x 100.0 mm):** Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 7.71 W/kg; SAR (10g) = 2.20 W/kg;

**Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm):** Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.05 dB

SAR (1g) = 8.32 W/kg; SAR (10g) = 2.39 W/kg;





## System Performance Check 5750 MHz Head

### D5GHzV2-SN 1165

Communication System: D5GHz; Frequency: 5750.000

Medium: HSL. Medium parameters used:  $f = 5750.000$  MHz;  $\sigma = 5.16$  S/m;  $\epsilon_r = 33.9$

#### DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(5.07, 4.88, 5.02); Calibrated: 2023/09/11
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2023/09/12
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2256
- Measurement Software: cDASY8 V16.2.4.2524

**Area Scan (60.0 mm x 100.0 mm):** Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 6.68 W/kg; SAR (10g) = 1.90 W/kg;

**Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm):** Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.08 dB

SAR (1g) = 7.37 W/kg; SAR (10g) = 2.14 W/kg;

