

# Appendix A

## Detailed System Check Results

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Test Laboratory: SGS-SAR Lab

**System Performance Check 750 MHz Head****DUT: D750V3; Type: Dipole; Serial: 1160**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.882$  S/m;  $\epsilon_r = 42.626$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(9.04, 9.04, 9.04); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (6x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.57 W/kg

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

Reference Value = 47.59 V/m; Power Drift = 0.04 dB

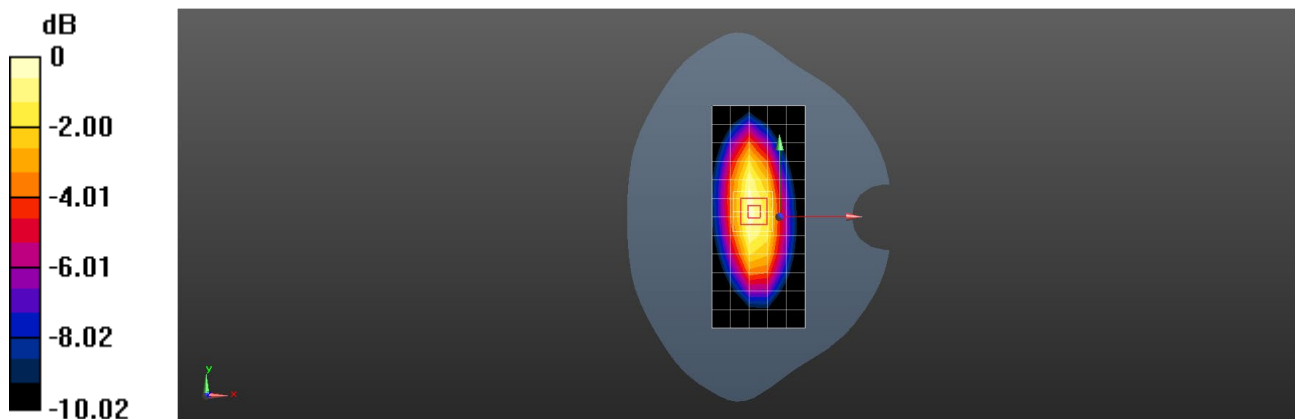
Peak SAR (extrapolated) = 3.19 W/kg

**SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.33 W/kg**

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 63%

Maximum value of SAR (measured) = 2.73 W/kg



0 dB = 2.73 W/kg = 4.36 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 750 MHz Head****DUT: D750V3; Type: Dipole; Serial: 1160**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.855$  S/m;  $\epsilon_r = 43.197$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(9.04, 9.04, 9.04); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (6x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.48 W/kg

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

Reference Value = 48.11 V/m; Power Drift = 0.06 dB

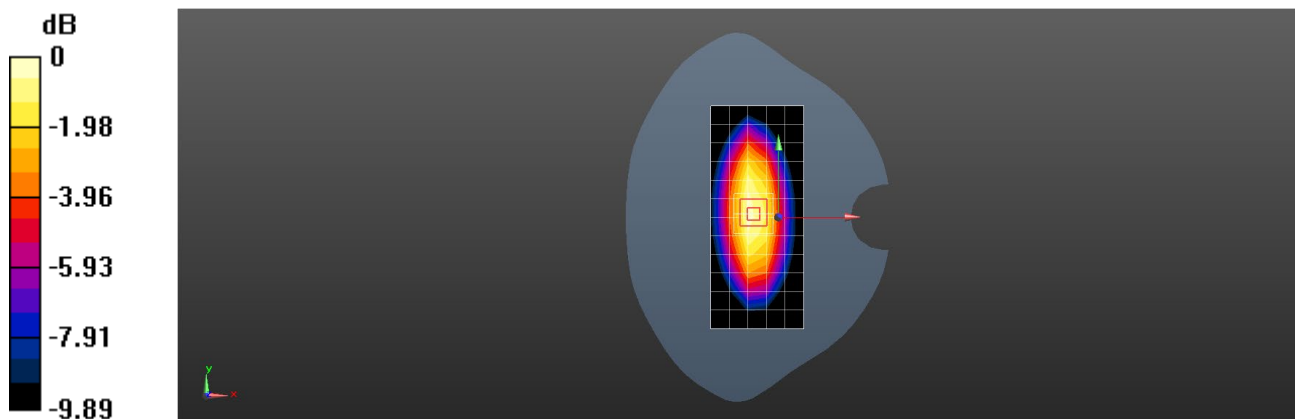
Peak SAR (extrapolated) = 3.08 W/kg

**SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.3 W/kg**

Smallest distance from peaks to all points 3 dB below = 18.7 mm

Ratio of SAR at M2 to SAR at M1 = 63.8%

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



0 dB = 2.65 W/kg = 4.23 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 835 MHz 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:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.904 \text{ S/m}$ ;  $\epsilon_r = 42.224$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.64, 8.64, 8.64); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (5x13x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$ 

Maximum value of SAR (measured) = 3.18 W/kg

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

Reference Value = 53.12 V/m; Power Drift = 0.10 dB

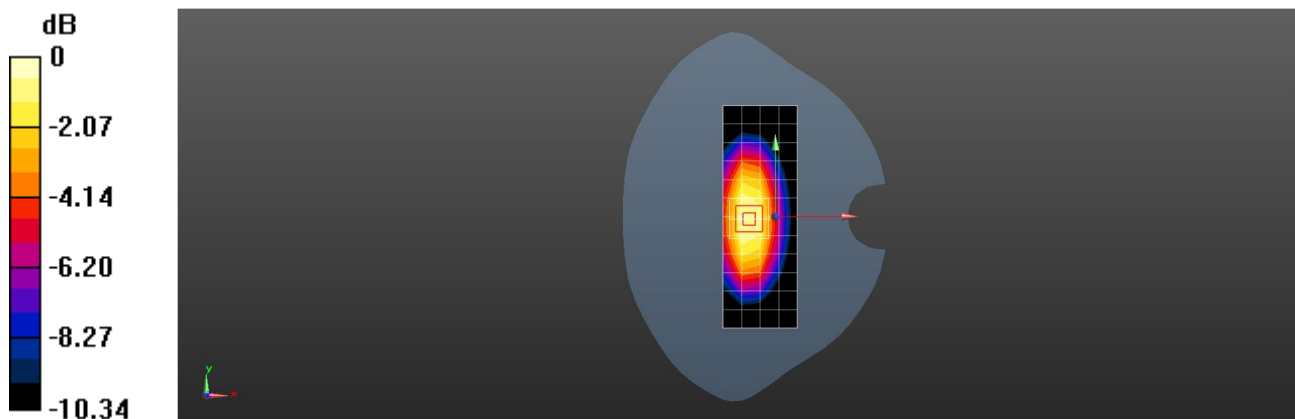
Peak SAR (extrapolated) = 4.22 W/kg

**SAR(1 g) = 2.59 W/kg; SAR(10 g) = 1.71 W/kg**

Smallest distance from peaks to all points 3 dB below = 16.1 mm

Ratio of SAR at M2 to SAR at M1 = 62.1%

Maximum value of SAR (measured) = 3.59 W/kg



0 dB = 3.59 W/kg = 5.55 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 835 MHz 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;  $\sigma = 0.9$  S/m;  $\epsilon_r = 42.13$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.64, 8.64, 8.64); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (5x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.07 W/kg

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

Reference Value = 51.44 V/m; Power Drift = 0.12 dB

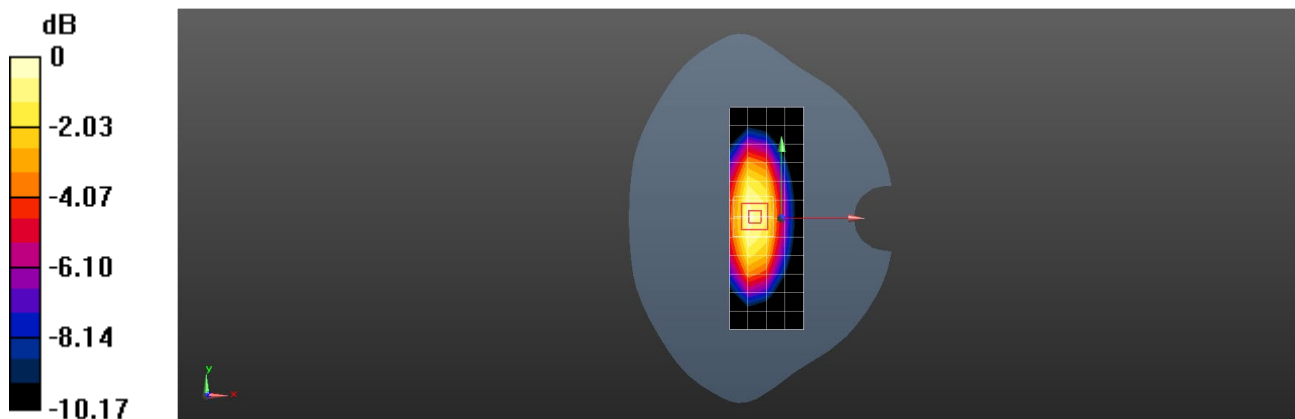
Peak SAR (extrapolated) = 3.86 W/kg

**SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.62 W/kg**

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 63.8%

Maximum value of SAR (measured) = 3.32 W/kg



0 dB = 3.32 W/kg = 5.21 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 835 MHz 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;  $\sigma = 0.903$  S/m;  $\epsilon_r = 42.232$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.64, 8.64, 8.64); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (5x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.48 W/kg

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

Reference Value = 49.12 V/m; Power Drift = 0.17 dB

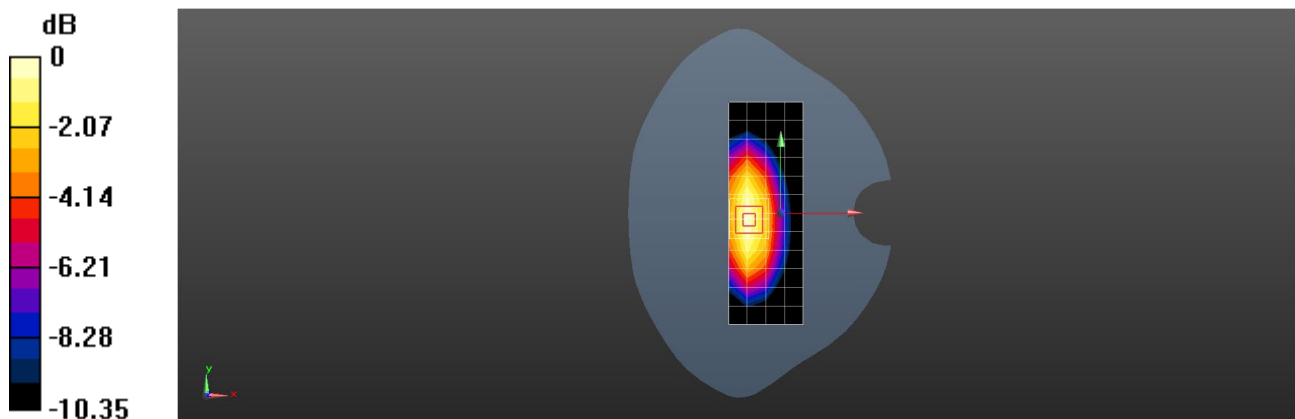
Peak SAR (extrapolated) = 4.16 W/kg

**SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.69 W/kg**

Smallest distance from peaks to all points 3 dB below = 16.3 mm

Ratio of SAR at M2 to SAR at M1 = 62.4%

Maximum value of SAR (measured) = 3.54 W/kg



0 dB = 3.54 W/kg = 5.49 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 835 MHz 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:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.935 \text{ S/m}$ ;  $\epsilon_r = 42.379$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(8.64, 8.64, 8.64); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (5x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.20 W/kg

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

Reference Value = 51.44 V/m; Power Drift = 0.12 dB

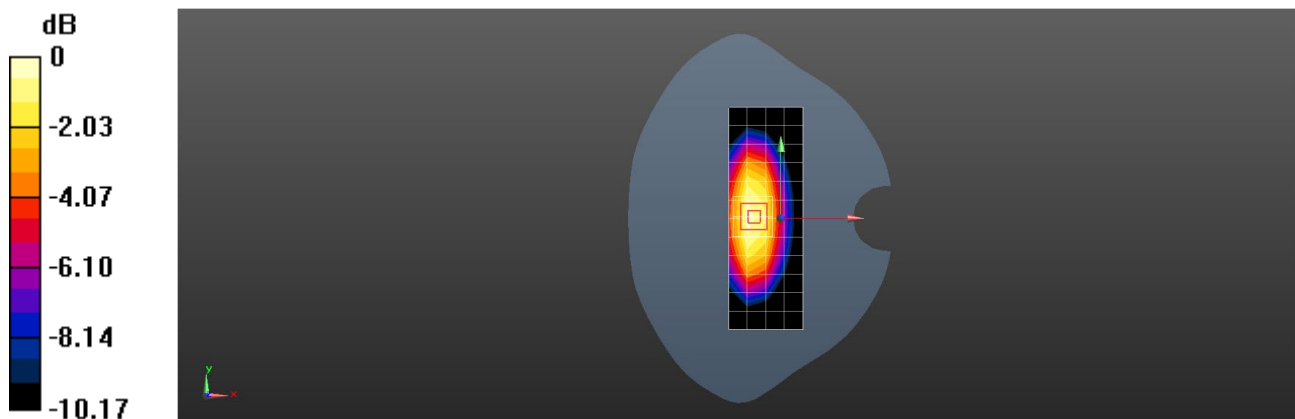
Peak SAR (extrapolated) = 4.01 W/kg

**SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.68 W/kg**

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 63.8%

Maximum value of SAR (measured) = 3.45 W/kg



0 dB = 3.45 W/kg = 5.38 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;  $\sigma = 1.346$  S/m;  $\epsilon_r = 40.781$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.71, 7.71, 7.71); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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) = 9.29 W/kg

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

Reference Value = 81.63 V/m; Power Drift = 0.13 dB

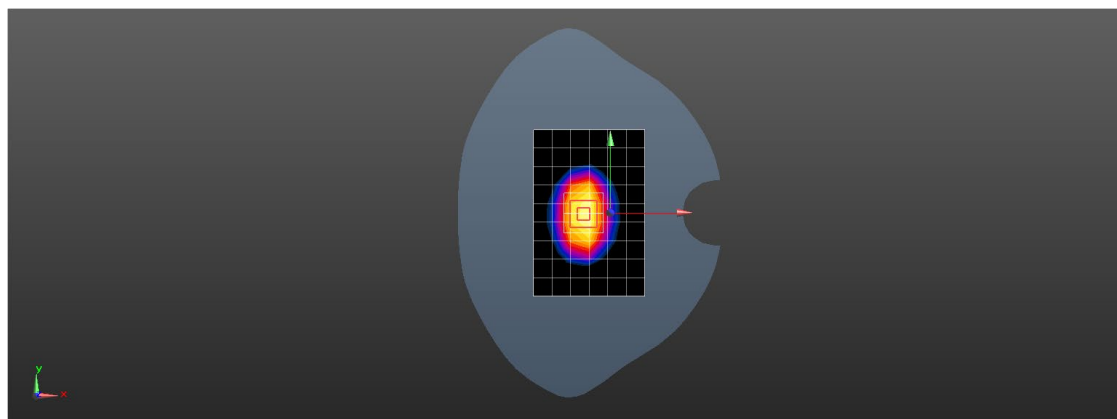
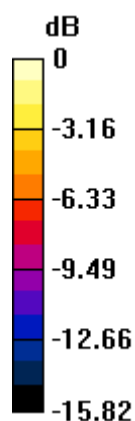
Peak SAR (extrapolated) = 15.8 W/kg

**SAR(1 g) = 9.09 W/kg; SAR(10 g) = 4.97 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 58.6%

Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 11.4 W/kg = 10.57 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;  $\sigma = 1.355$  S/m;  $\epsilon_r = 40.882$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.71, 7.71, 7.71); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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) = 9.54 W/kg

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

Reference Value = 81.39 V/m; Power Drift = 0.02 dB

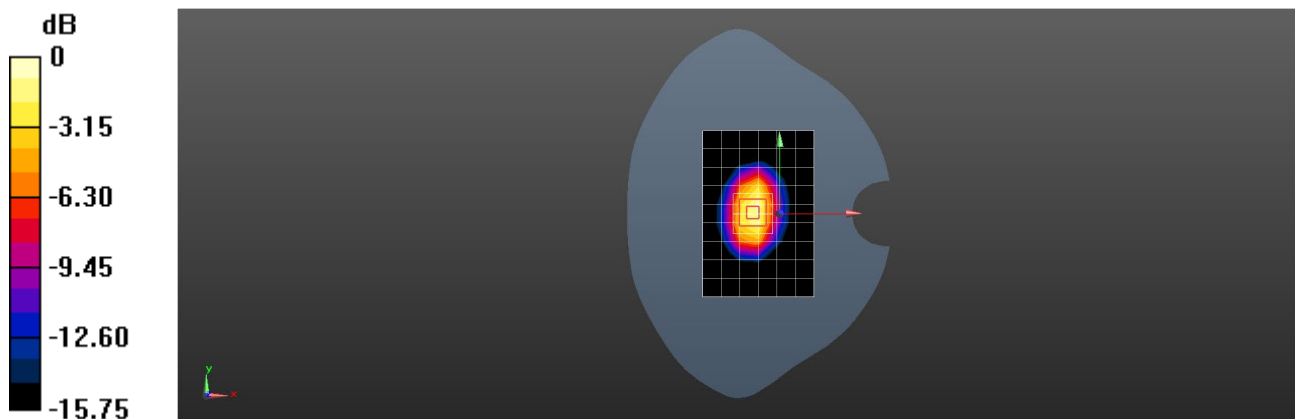
Peak SAR (extrapolated) = 15.5 W/kg

**SAR(1 g) = 8.98 W/kg; SAR(10 g) = 4.9 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 58.7%

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



0 dB = 11.2 W/kg = 10.49 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;  $\sigma = 1.343$  S/m;  $\epsilon_r = 39.26$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.71, 7.71, 7.71); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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) = 13.4 W/kg

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

Reference Value = 86.75 V/m; Power Drift = 0.10 dB

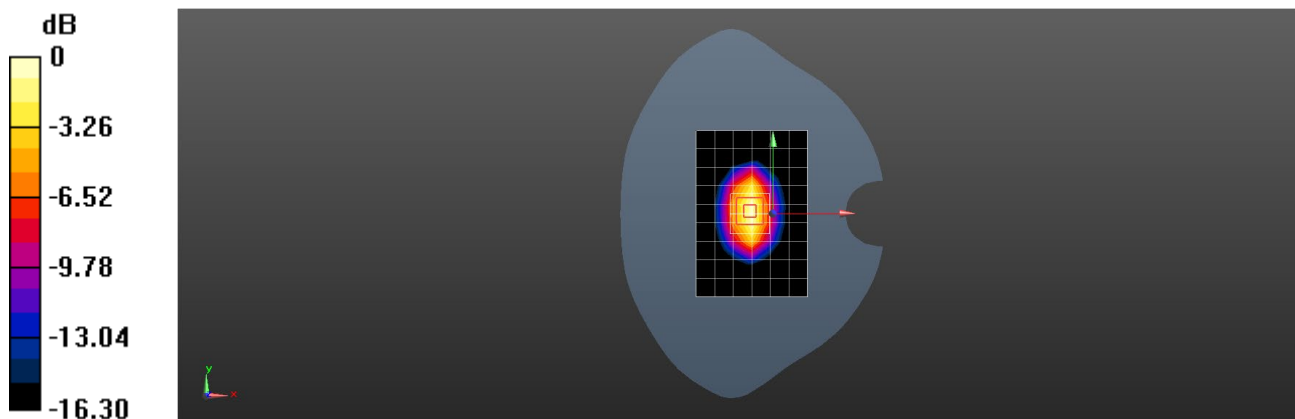
Peak SAR (extrapolated) = 17.4 W/kg

**SAR(1 g) = 9.45 W/kg; SAR(10 g) = 5.11 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.9%

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg = 11.61 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;  $\sigma = 1.336$  S/m;  $\epsilon_r = 39.172$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.71, 7.71, 7.71); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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) = 13.0 W/kg

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

Reference Value = 86.92 V/m; Power Drift = -0.03 dB

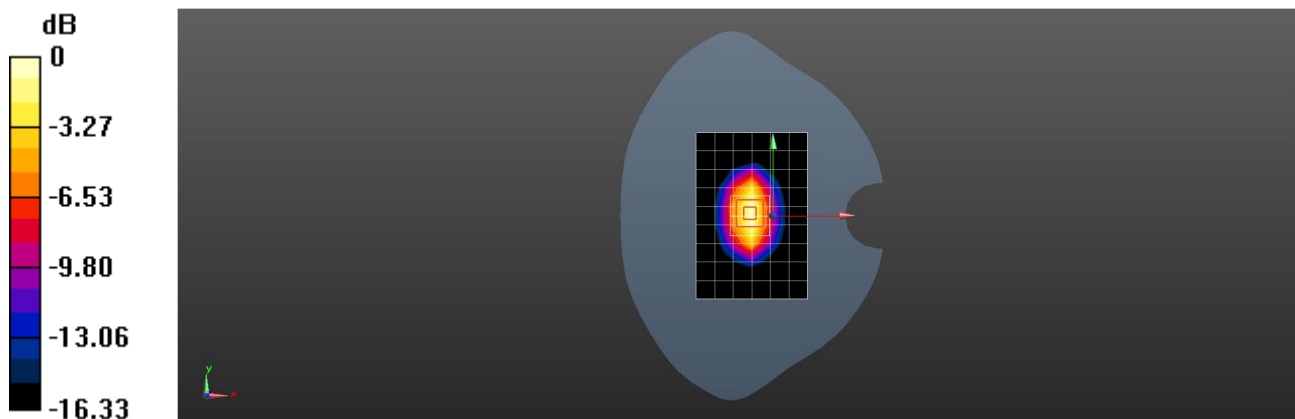
Peak SAR (extrapolated) = 17.0 W/kg

**SAR(1 g) = 9.22 W/kg; SAR(10 g) = 4.97 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.7%

Maximum value of SAR (measured) = 14.2 W/kg



0 dB = 14.2 W/kg = 11.52 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;  $\sigma = 1.372$  S/m;  $\epsilon_r = 39.548$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.71, 7.71, 7.71); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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) = 13.3 W/kg

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

Reference Value = 86.53 V/m; Power Drift = -0.02 dB

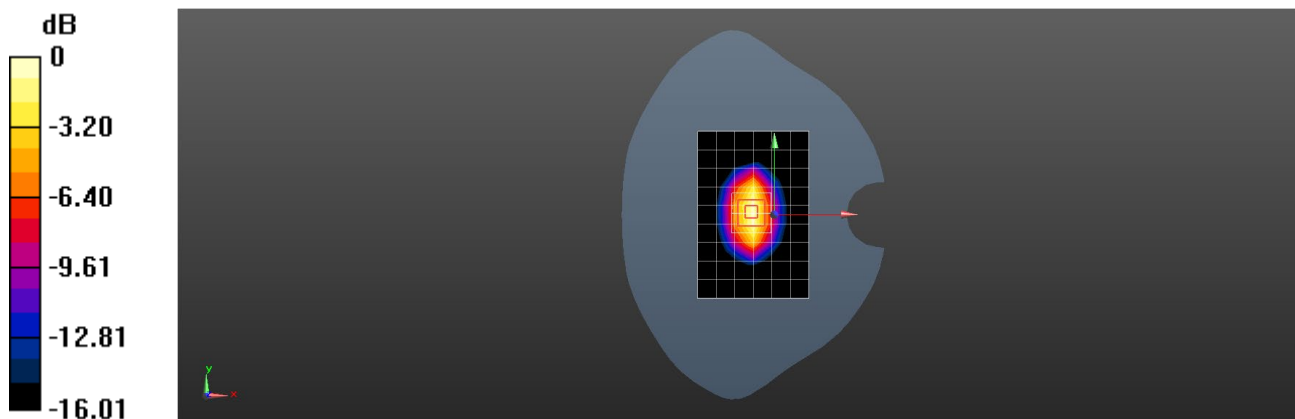
Peak SAR (extrapolated) = 17.1 W/kg

**SAR(1 g) = 9.32 W/kg; SAR(10 g) = 5.04 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 55%

Maximum value of SAR (measured) = 14.4 W/kg



0 dB = 14.4 W/kg = 11.58 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;  $\sigma = 1.363$  S/m;  $\epsilon_r = 40.634$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.71, 7.71, 7.71); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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) = 9.23 W/kg

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

Reference Value = 80.82 V/m; Power Drift = 0.19 dB

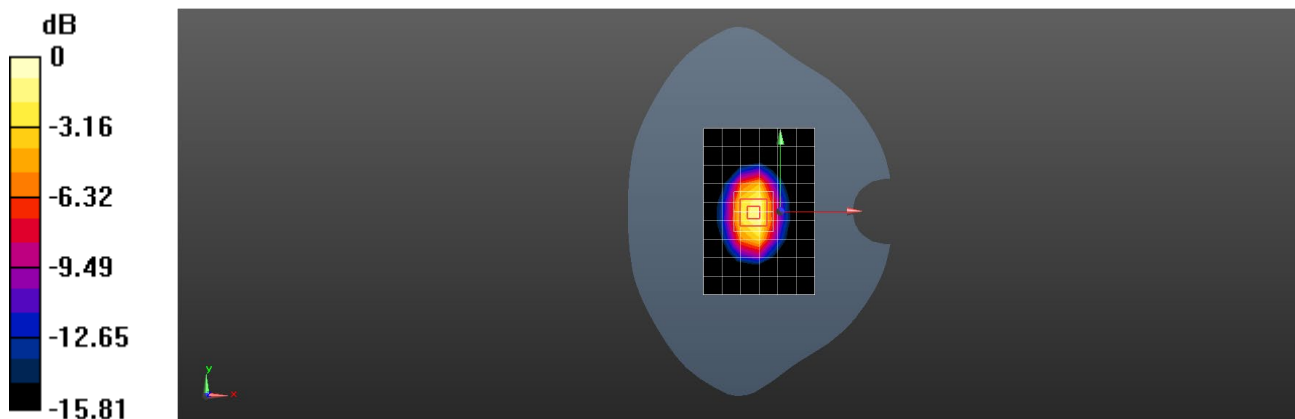
Peak SAR (extrapolated) = 15.5 W/kg

**SAR(1 g) = 8.98 W/kg; SAR(10 g) = 4.9 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 58.7%

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



0 dB = 11.2 W/kg = 10.49 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;  $\sigma = 1.335$  S/m;  $\epsilon_r = 40.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.71, 7.71, 7.71); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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) = 9.43 W/kg

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

Reference Value = 82.59 V/m; Power Drift = 0.11 dB

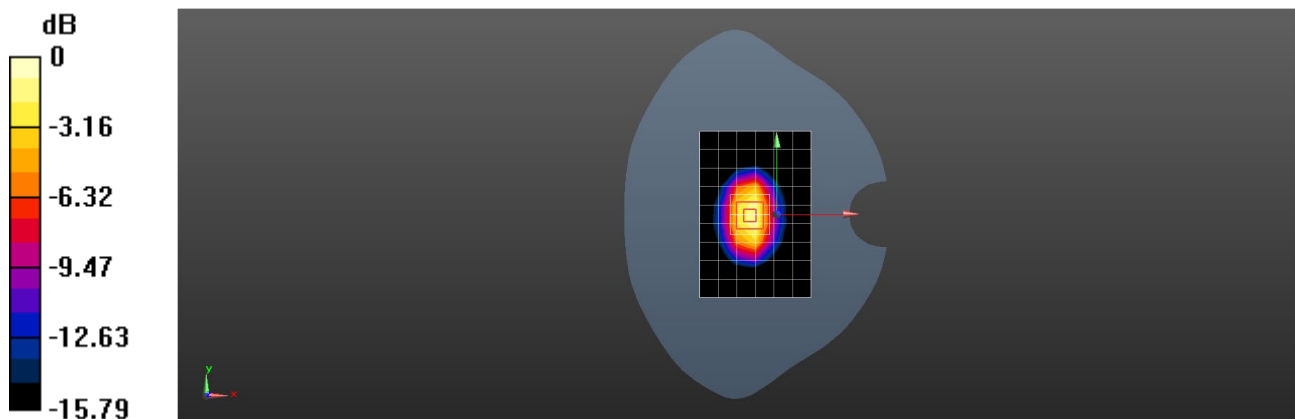
Peak SAR (extrapolated) = 16.0 W/kg

**SAR(1 g) = 9.21 W/kg; SAR(10 g) = 5.03 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 58.6%

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 11.6 W/kg = 10.64 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 1950 MHz Head****DUT: D1950V3; Type: Dipole; Serial: 1138**

Communication System: UID 0, CW (0); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: HSL1950; Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.407$  S/m;  $\epsilon_r = 40.27$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.38, 7.38, 7.38); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (5x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 12.0 W/kg

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

Reference Value = 87.63 V/m; Power Drift = 0.14 dB

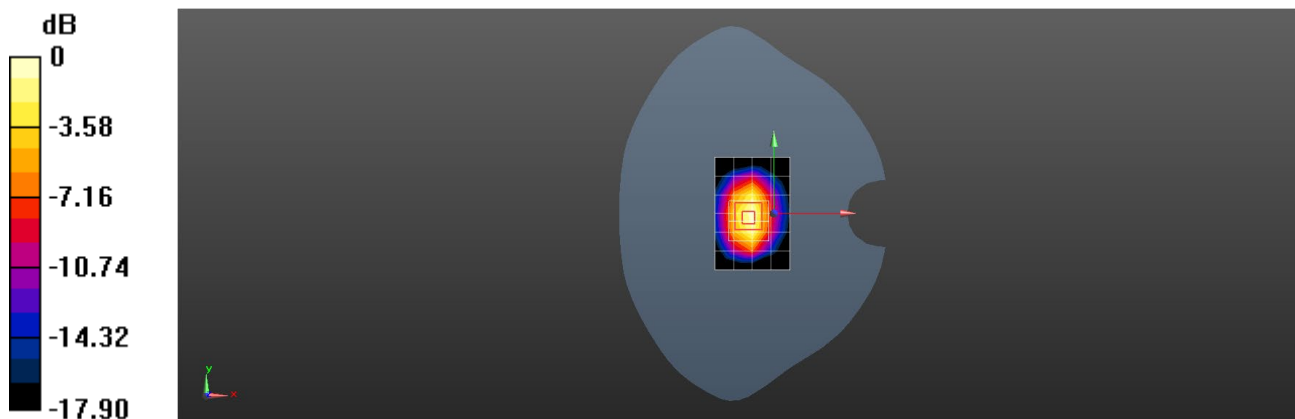
Peak SAR (extrapolated) = 18.1 W/kg

**SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.36 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 57.3%

Maximum value of SAR (measured) = 12.7 W/kg



0 dB = 12.7 W/kg = 11.04 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 1950 MHz Head****DUT: D1950V3; Type: Dipole; Serial: 1138**

Communication System: UID 0, CW (0); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: HSL1950; Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.395$  S/m;  $\epsilon_r = 40.16$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.38, 7.38, 7.38); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (5x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 12.7 W/kg

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

Reference Value = 92.60 V/m; Power Drift = 0.14 dB

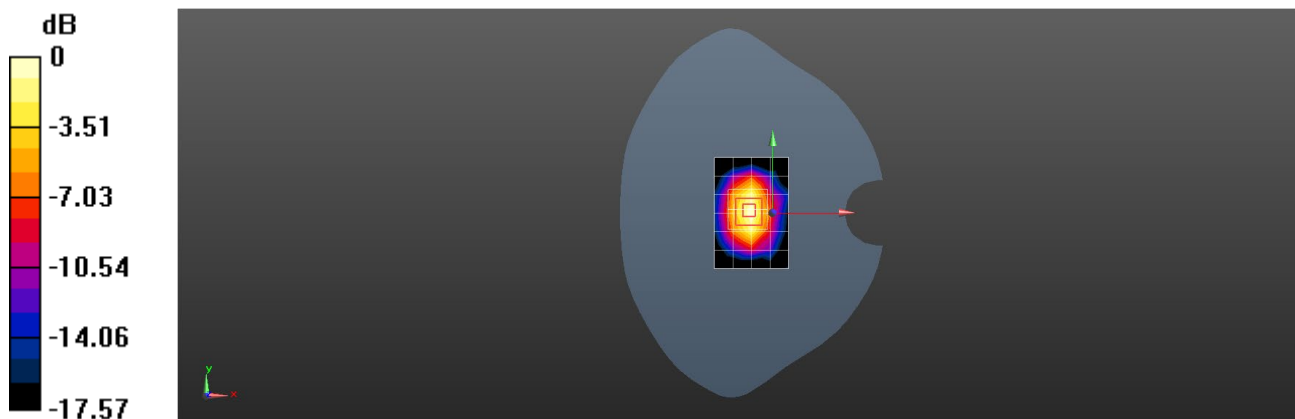
Peak SAR (extrapolated) = 17.7 W/kg

**SAR(1 g) = 10 W/kg; SAR(10 g) = 5.3 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 57.7%

Maximum value of SAR (measured) = 12.6 W/kg



0 dB = 12.6 W/kg = 11.00 dBW/kg

Test Laboratory: SGS-SAR Lab

## System Performance Check 1950 MHz Head

**DUT: D1950V3; Type: Dipole; Serial: 1138**

Communication System: UID 0, CW (0); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: HSL1950; Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 39.729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.38, 7.38, 7.38); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (5x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 11.0 W/kg

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

Reference Value = 84.61 V/m; Power Drift = 0.17 dB

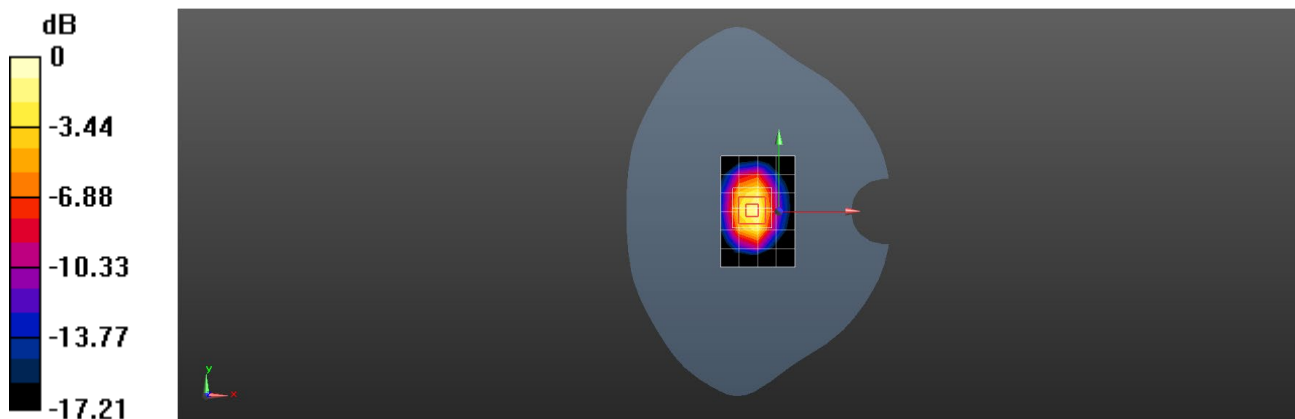
Peak SAR (extrapolated) = 18.3 W/kg

**SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.38 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 57.2%

Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 12.9 W/kg = 11.11 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 1950 MHz Head****DUT: D1950V3; Type: Dipole; Serial: 1138**

Communication System: UID 0, CW (0); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: HSL1950; Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.413$  S/m;  $\epsilon_r = 39.831$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.38, 7.38, 7.38); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (5x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.2 W/kg

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

Reference Value = 80.82 V/m; Power Drift = 0.03 dB

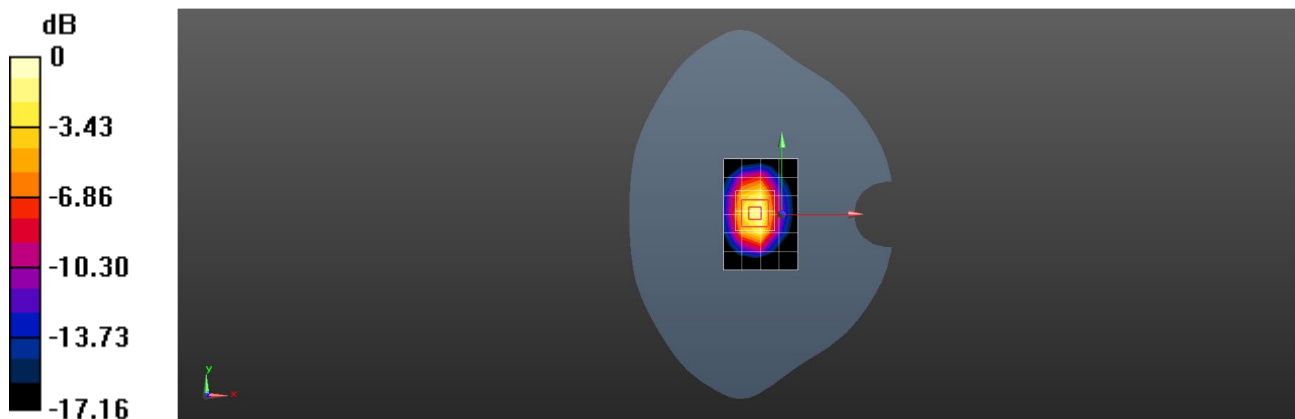
Peak SAR (extrapolated) = 16.7 W/kg

**SAR(1 g) = 9.39 W/kg; SAR(10 g) = 4.92 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 57.3%

Maximum value of SAR (measured) = 11.8 W/kg



0 dB = 11.8 W/kg = 10.72 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 1950 MHz Head****DUT: D1950V3; Type: Dipole; Serial: 1138**

Communication System: UID 0, CW (0); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: HSL1950; Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.394$  S/m;  $\epsilon_r = 40.293$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.38, 7.38, 7.38); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (5x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 12.1 W/kg

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

Reference Value = 53.21 V/m; Power Drift = 0.08 dB

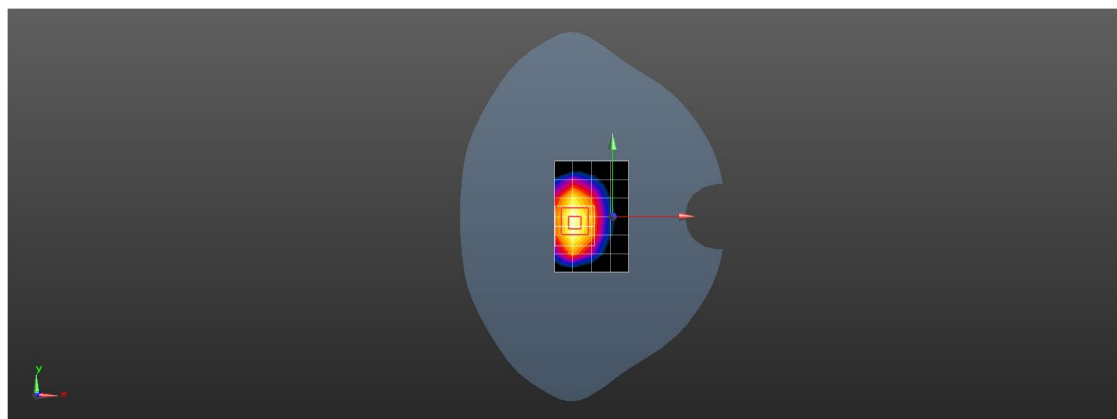
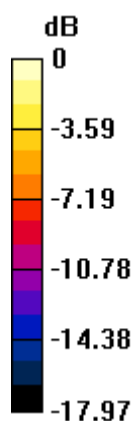
Peak SAR (extrapolated) = 17.9 W/kg

**SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.31 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 57.4%

Maximum value of SAR (measured) = 12.5 W/kg



0 dB = 12.5 W/kg = 10.97 dBW/kg

Test Laboratory: SGS-SAR Lab

## System Performance Check 1950 MHz Head

**DUT: D1950V3; Type: Dipole; Serial: 1138**

Communication System: UID 0, CW (0); Frequency: 1950 MHz; Duty Cycle: 1:1

Medium: HSL1950; Medium parameters used:  $f = 1950$  MHz;  $\sigma = 1.408$  S/m;  $\epsilon_r = 40.112$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(7.38, 7.38, 7.38); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (5x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 11.9 W/kg

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

Reference Value = 87.34 V/m; Power Drift = 0.02 dB

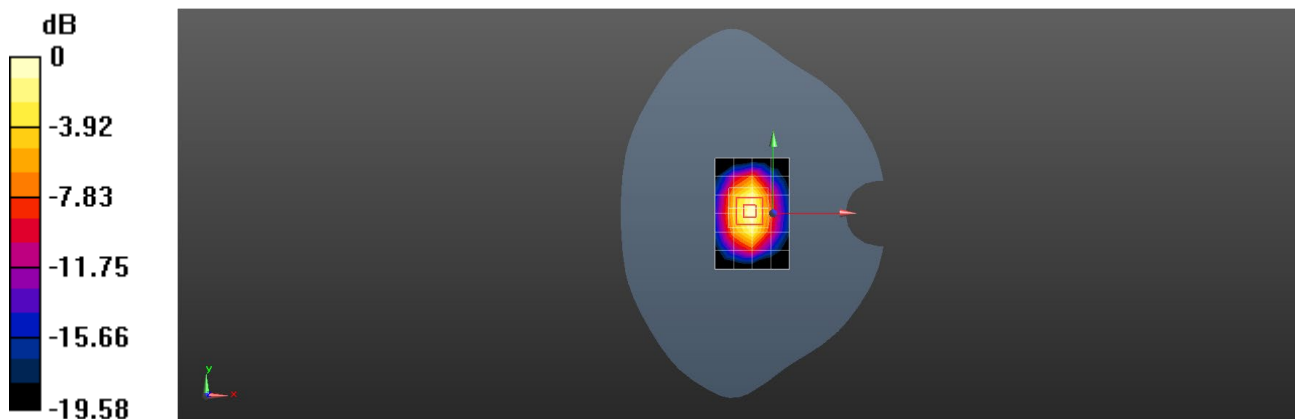
Peak SAR (extrapolated) = 16.5 W/kg

**SAR(1 g) = 9.5 W/kg; SAR(10 g) = 5.11 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 58.2%

Maximum value of SAR (measured) = 11.8 W/kg



0 dB = 11.8 W/kg = 10.72 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 2450MHz Head****DUT: D2450V2; Type: Dipole; Serial: 733**

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.782$  S/m;  $\epsilon_r = 39.583$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.98, 6.98, 6.98); Calibrated: 2025-01-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024-04-16
- 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 (9x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 16.1 W/kg

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

Reference Value = 92.47 V/m; Power Drift = 0.11 dB

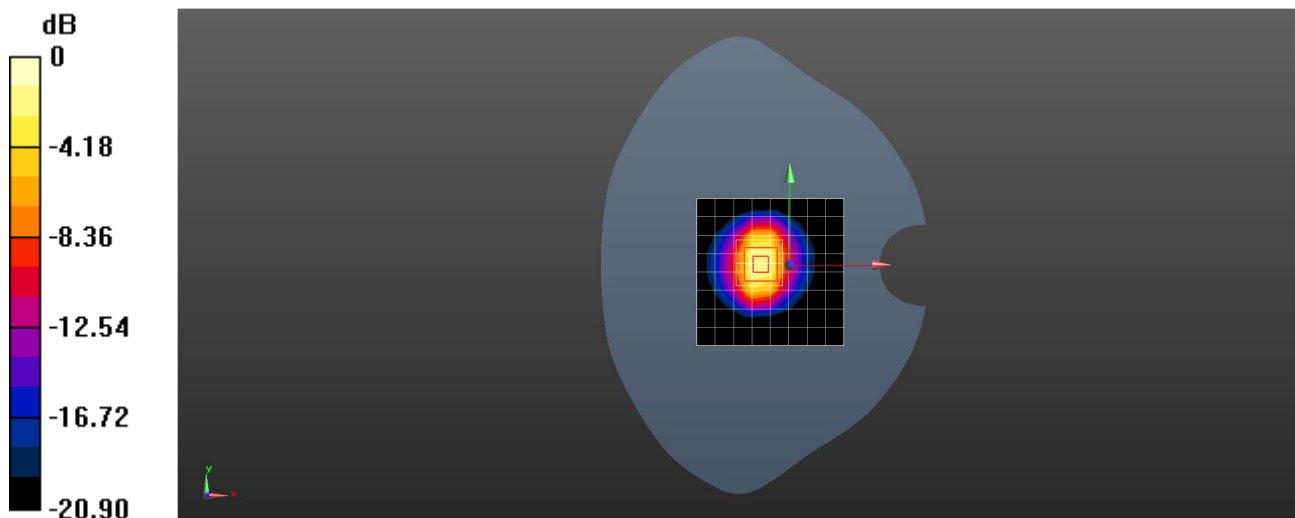
Peak SAR (extrapolated) = 28.0 W/kg

**SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.5 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 50.2%

Maximum value of SAR (measured) = 22.7 W/kg



0 dB = 22.7 W/kg = 13.56 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;  $\sigma = 1.886$  S/m;  $\epsilon_r = 38.062$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.77, 7.77, 7.77); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=250mW/Area Scan (7x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 22.4 W/kg

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

Reference Value = 91.82 V/m; Power Drift = -0.09 dB

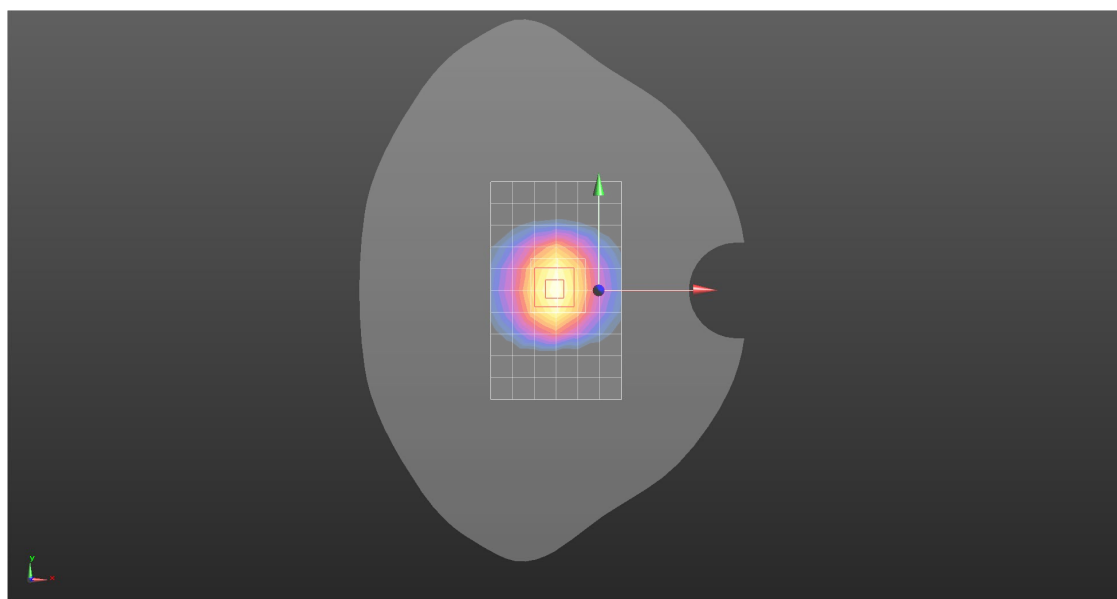
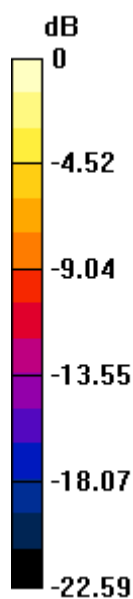
Peak SAR (extrapolated) = 29.1 W/kg

**SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.38 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 22.8 W/kg



0 dB = 22.8 W/kg = 13.58 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;  $\sigma = 1.934$  S/m;  $\epsilon_r = 38.299$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.77, 7.77, 7.77); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1086
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=250mW/Area Scan (7x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 19.1 W/kg

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

Reference Value = 80.39 V/m; Power Drift = 0.08 dB

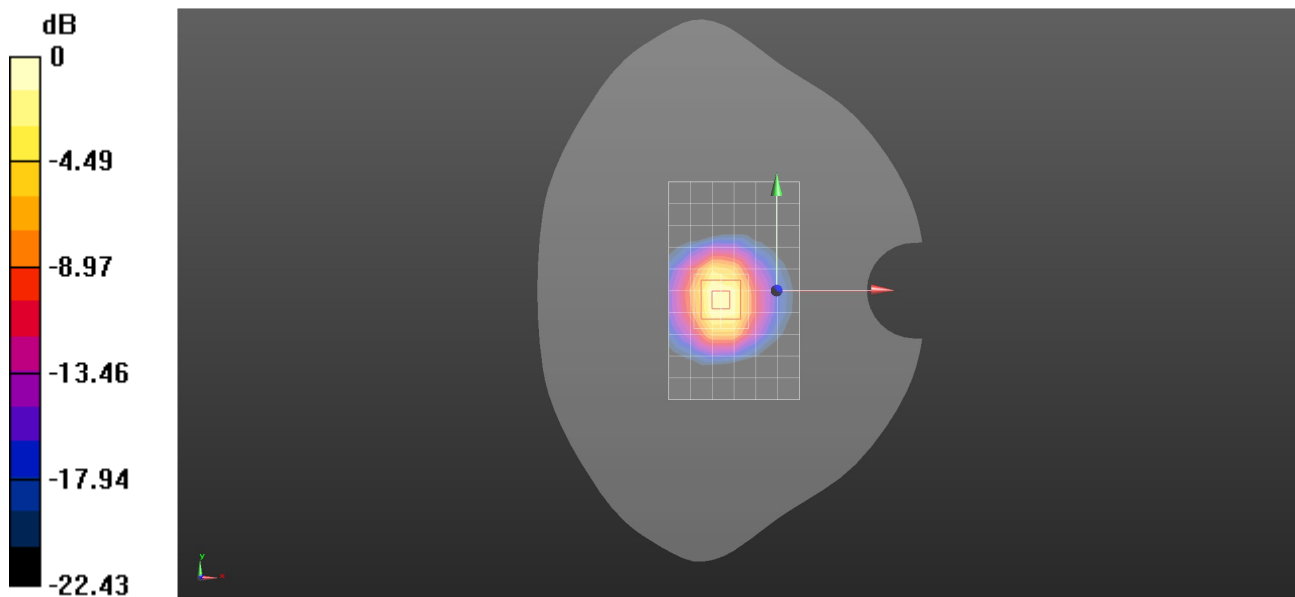
Peak SAR (extrapolated) = 31.2 W/kg

**SAR(1 g) = 15.1 W/kg; SAR(10 g) = 6.92 W/kg**

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 49.2%

Maximum value of SAR (measured) = 25.3 W/kg



0 dB = 25.3 W/kg = 14.03 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;  $\sigma = 1.936$  S/m;  $\epsilon_r = 38.398$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.77, 7.77, 7.77); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=250mW/Area Scan (7x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 23.2 W/kg

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

Reference Value = 91.55 V/m; Power Drift = -0.09 dB

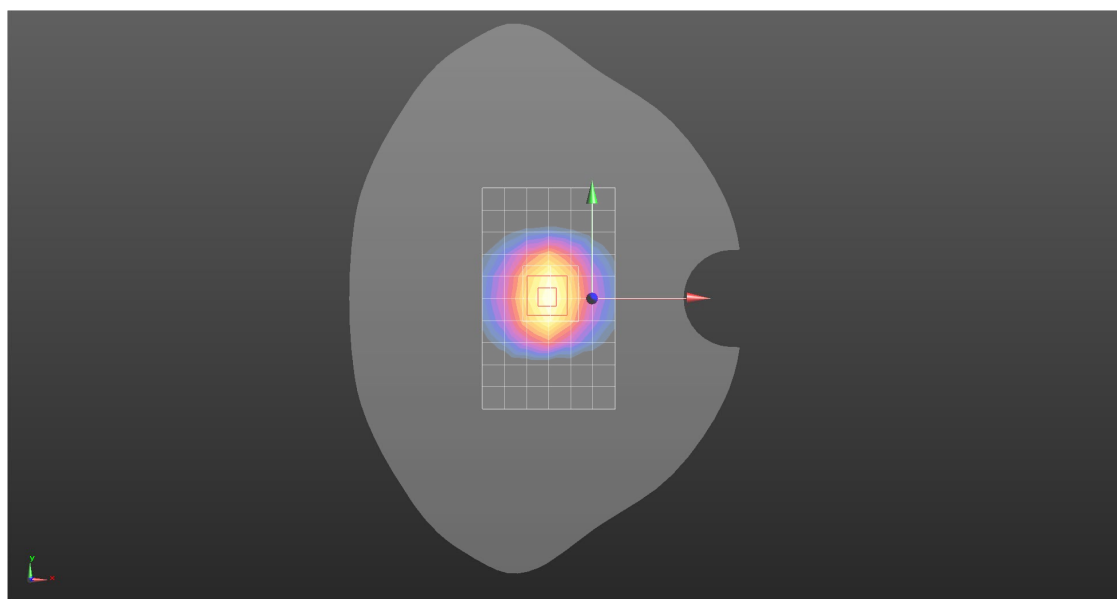
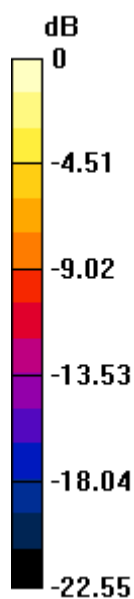
Peak SAR (extrapolated) = 29.5 W/kg

**SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.51 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 49.2%

Maximum value of SAR (measured) = 23.2 W/kg



0 dB = 23.2 W/kg = 13.65 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;  $\sigma = 1.95$  S/m;  $\epsilon_r = 38.072$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.77, 7.77, 7.77); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=250mW/Area Scan (7x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 23.1 W/kg

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

Reference Value = 89.29 V/m; Power Drift = -0.13 dB

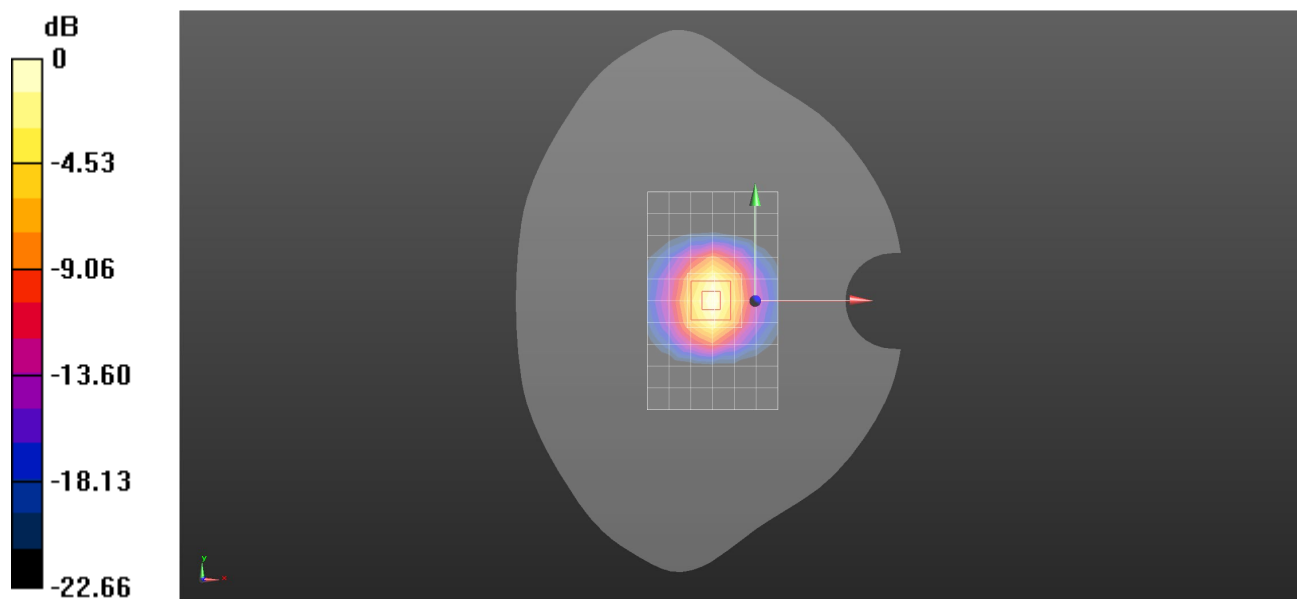
Peak SAR (extrapolated) = 29.0 W/kg

**SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.19 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 47.8%

Maximum value of SAR (measured) = 22.8 W/kg



0 dB = 22.8 W/kg = 13.58 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;  $\sigma = 1.962$  S/m;  $\epsilon_r = 38.184$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.77, 7.77, 7.77); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=250mW/Area Scan (7x11x1):** Measurement grid: dx=12mm, dy=12mm

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

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

Reference Value = 90.30 V/m; Power Drift = -0.09 dB

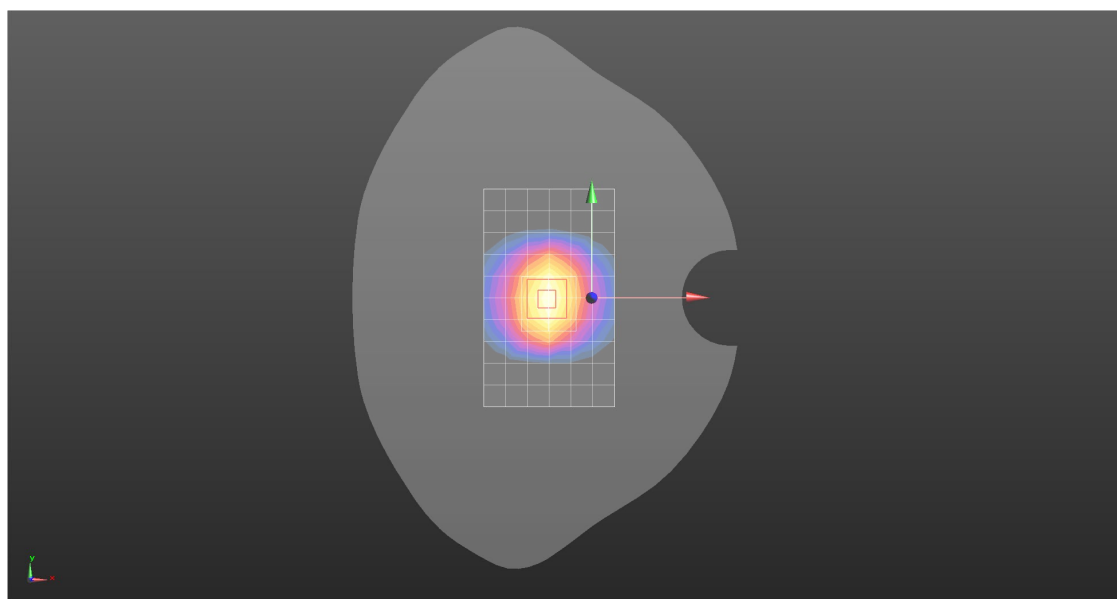
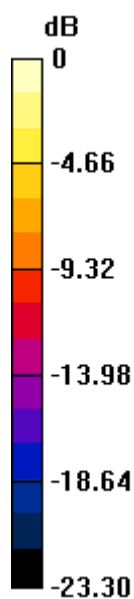
Peak SAR (extrapolated) = 30.4 W/kg

**SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.47 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 47.1%

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;  $\sigma = 1.974$  S/m;  $\epsilon_r = 38.296$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.77, 7.77, 7.77); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=250mW/Area Scan (7x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 24.8 W/kg

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

Reference Value = 92.42 V/m; Power Drift = -0.08 dB

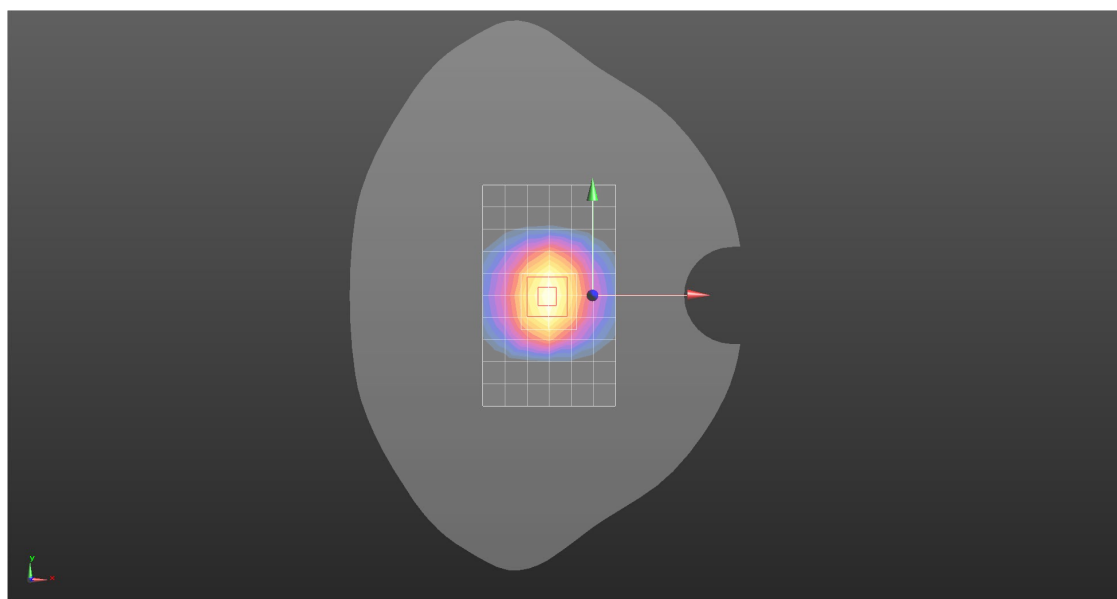
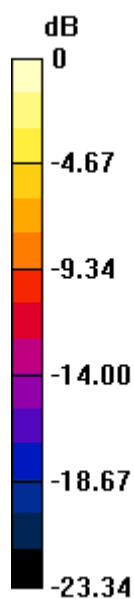
Peak SAR (extrapolated) = 31.1 W/kg

**SAR(1 g) = 14.8 W/kg; SAR(10 g) = 6.75 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 48.4%

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 3400MHz Head****DUT: D3500V2; Type: Dipole; Serial: 1082**

Communication System: UID 0, CW (0); Frequency: 3400 MHz; Duty Cycle: 1:1

Medium: HSL3400; Medium parameters used:  $f = 3400$  MHz;  $\sigma = 2.794$  S/m;  $\epsilon_r = 38.071$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.34, 7.34, 7.34); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 12.4 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.57 V/m; Power Drift = 0.19 dB

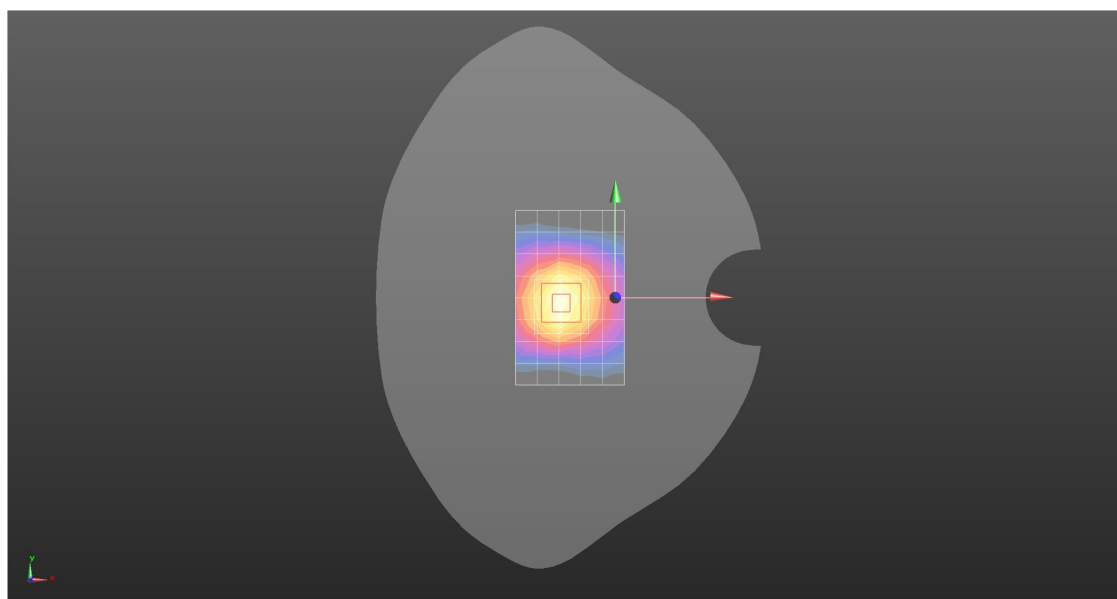
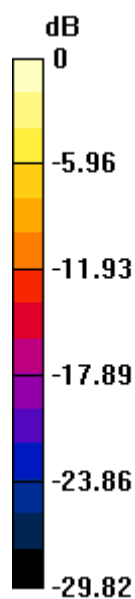
Peak SAR (extrapolated) = 17.4 W/kg

**SAR(1 g) = 7.05 W/kg; SAR(10 g) = 2.77 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 40.4%

Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 3400MHz Head****DUT: D3500V2; Type: Dipole; Serial: 1082**

Communication System: UID 0, CW (0); Frequency: 3400 MHz; Duty Cycle: 1:1

Medium: HSL3400; Medium parameters used:  $f = 3400$  MHz;  $\sigma = 2.782$  S/m;  $\epsilon_r = 37.96$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.34, 7.34, 7.34); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 9.51 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.30 V/m; Power Drift = -0.03 dB

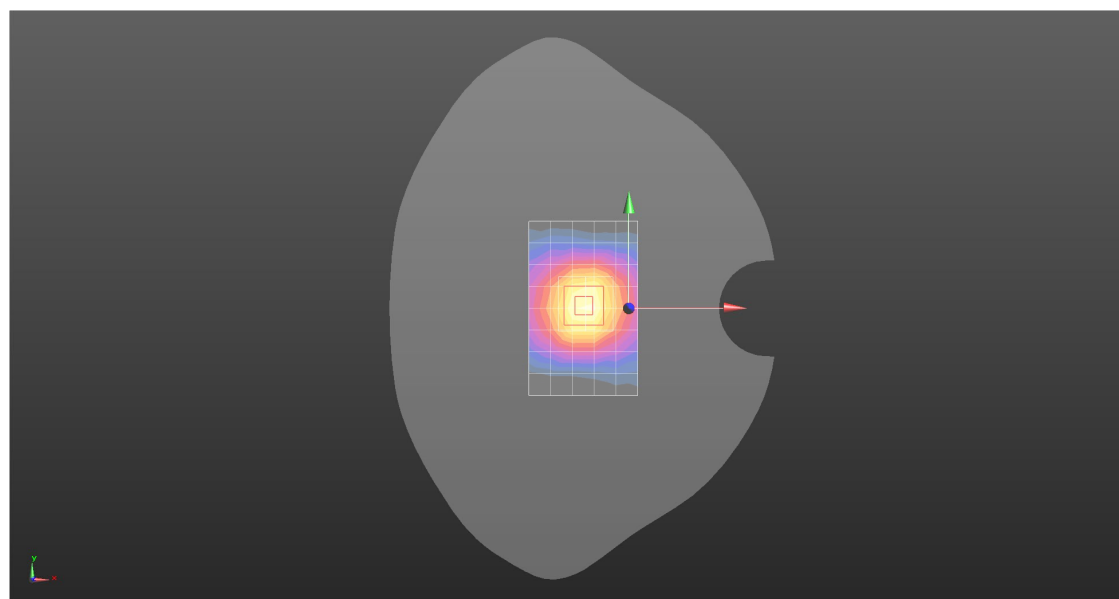
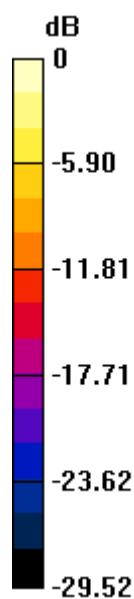
Peak SAR (extrapolated) = 17.5 W/kg

**SAR(1 g) = 7.06 W/kg; SAR(10 g) = 2.75 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 40.3%

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg = 11.27 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 3500MHz Head****DUT: D3500V2; Type: Dipole; Serial: 1082**

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL3500; Medium parameters used:  $f = 3500$  MHz;  $\sigma = 3.018$  S/m;  $\epsilon_r = 38.417$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.19, 7.19, 7.19); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn867; Calibrated: 2024/12/31
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 10.6 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.81 V/m; Power Drift = 0.07 dB

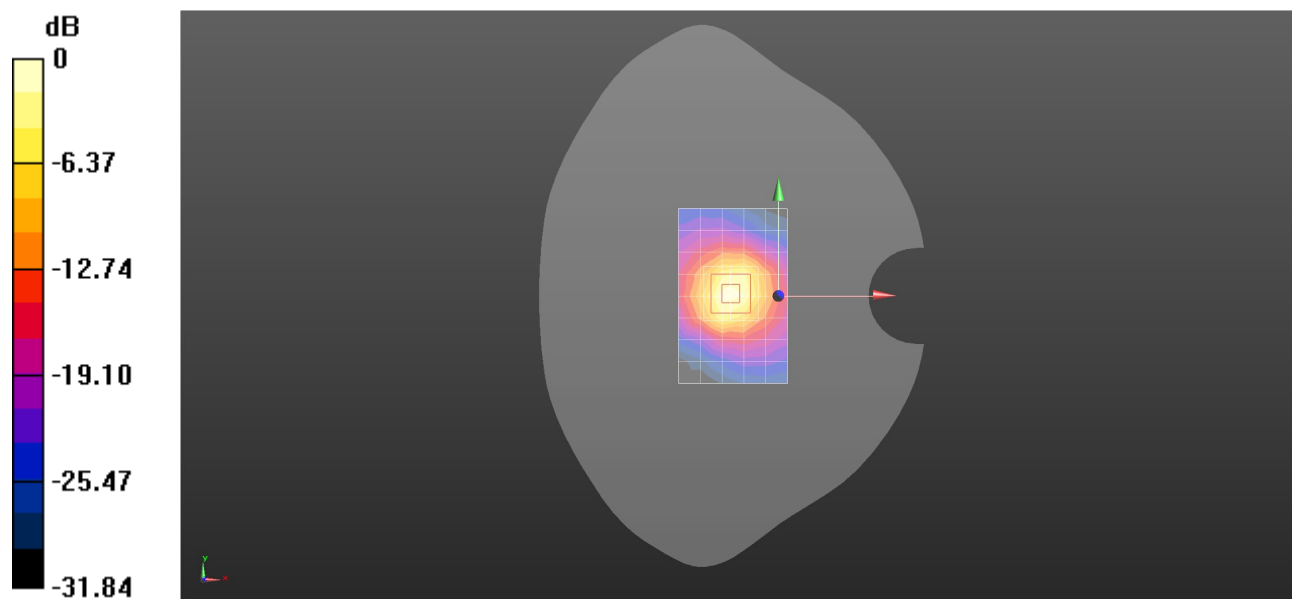
Peak SAR (extrapolated) = 17.6 W/kg

**SAR(1 g) = 7.01 W/kg; SAR(10 g) = 2.72 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 39.3%

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg = 11.27 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 3500MHz Head****DUT: D3500V2; Type: Dipole; Serial: 1082**

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL3500; Medium parameters used:  $f = 3500$  MHz;  $\sigma = 3.002$  S/m;  $\epsilon_r = 38.282$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.19, 7.19, 7.19); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn867; Calibrated: 2024/12/31
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 10.2 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.76 V/m; Power Drift = 0.14 dB

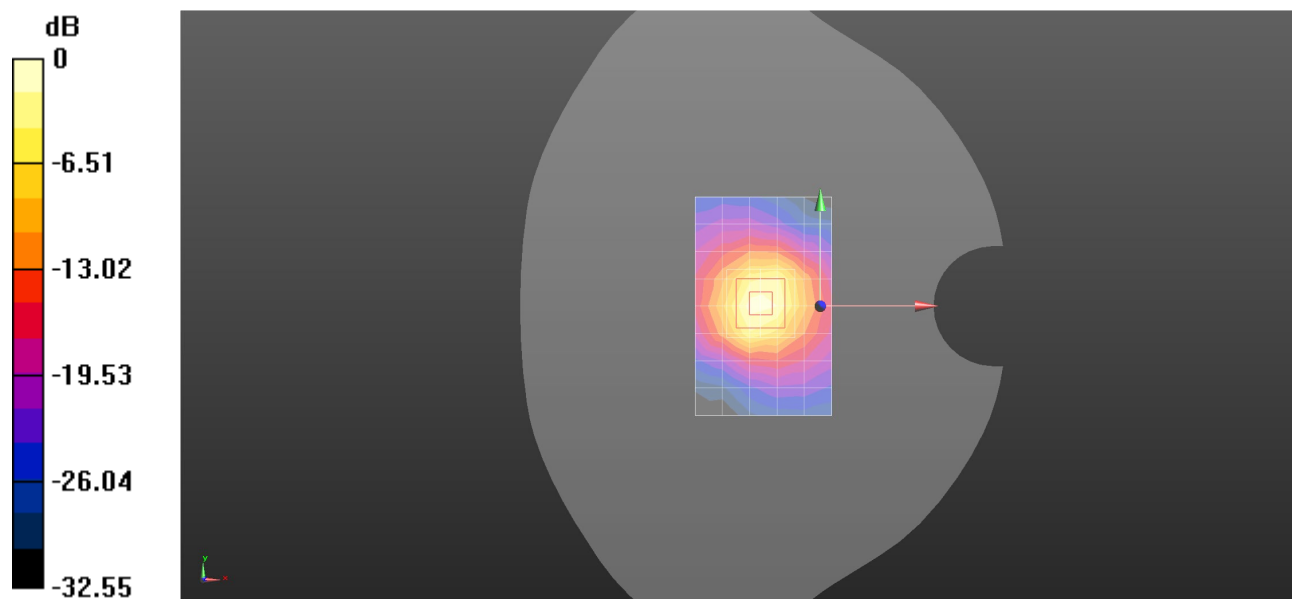
Peak SAR (extrapolated) = 17.0 W/kg

**SAR(1 g) = 6.8 W/kg; SAR(10 g) = 2.63 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 39.4%

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 3500MHz Head****DUT: D3500V2; Type: Dipole; Serial: 1082**

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL3500; Medium parameters used:  $f = 3500$  MHz;  $\sigma = 2.903$  S/m;  $\epsilon_r = 37.698$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.19, 7.19, 7.19); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 10.6 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.24 V/m; Power Drift = -0.19 dB

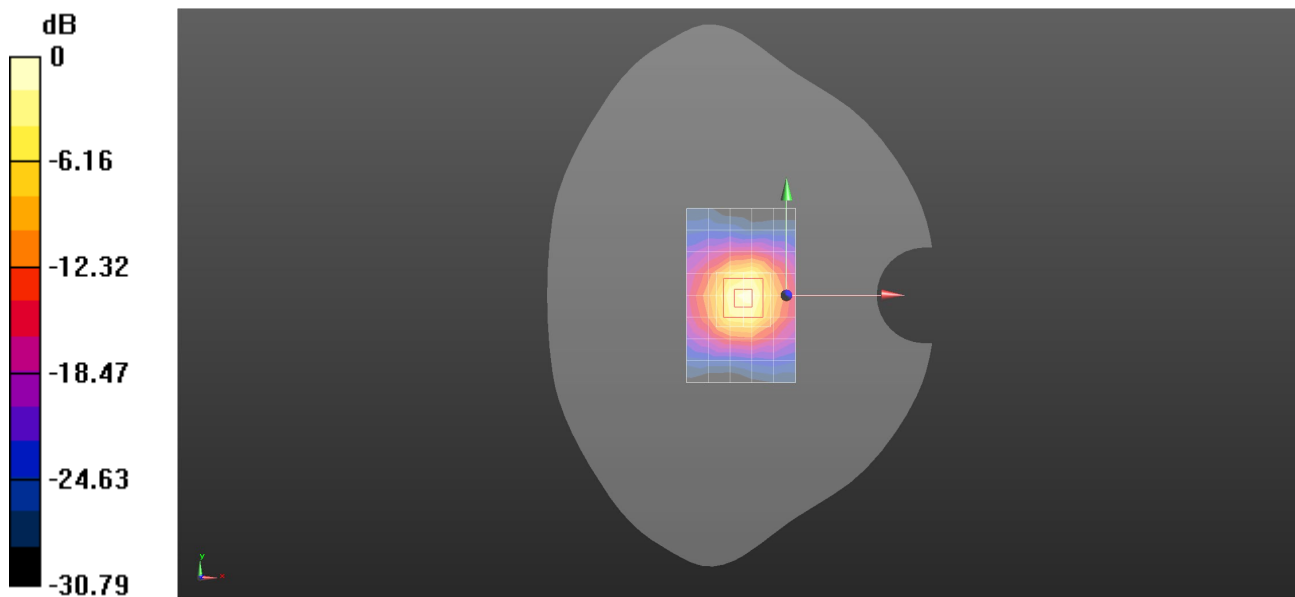
Peak SAR (extrapolated) = 17.5 W/kg

**SAR(1 g) = 6.91 W/kg; SAR(10 g) = 2.65 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 38.9%

Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 13.2 W/kg = 11.21 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 3500MHz Head****DUT: D3500V2; Type: Dipole; Serial: 1082**

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL3500; Medium parameters used:  $f = 3500$  MHz;  $\sigma = 2.891$  S/m;  $\epsilon_r = 37.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.19, 7.19, 7.19); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 9.27 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.70 V/m; Power Drift = -0.04 dB

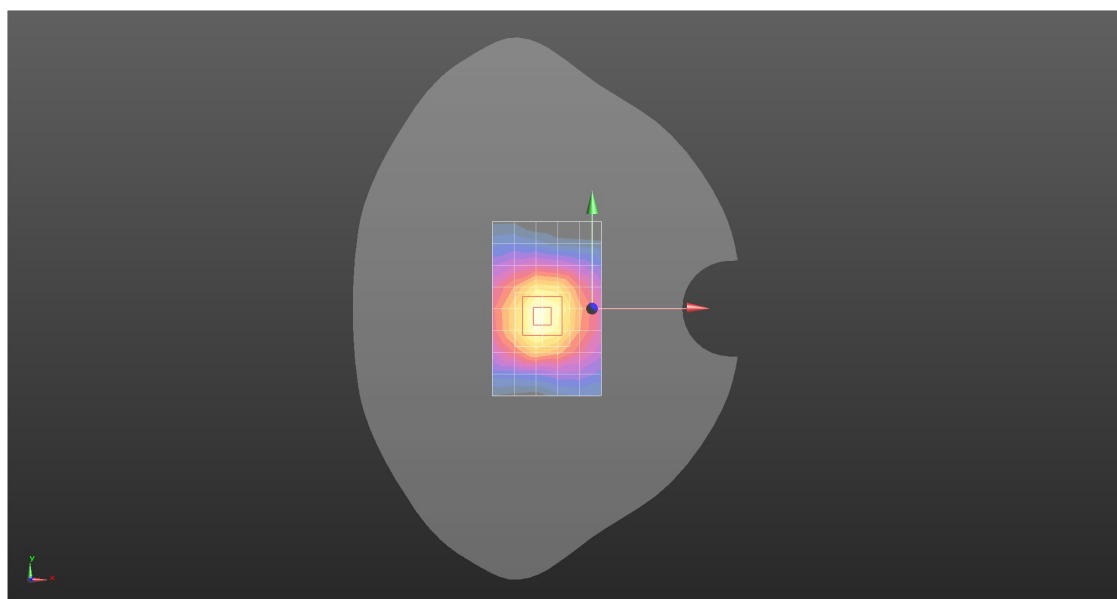
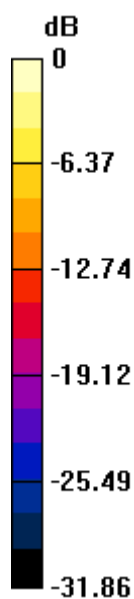
Peak SAR (extrapolated) = 16.4 W/kg

**SAR(1 g) = 6.39 W/kg; SAR(10 g) = 2.46 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.1 mm

Ratio of SAR at M2 to SAR at M1 = 38.6%

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



0 dB = 12.2 W/kg = 10.86 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 3700MHz Head****DUT: D3700V2; Type: Dipole; Serial: 1046**

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL3700; Medium parameters used:  $f = 3700$  MHz;  $\sigma = 3.097$  S/m;  $\epsilon_r = 36.982$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(6.99, 6.99, 6.99); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 11.6 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 45.31 V/m; Power Drift = 0.11 dB

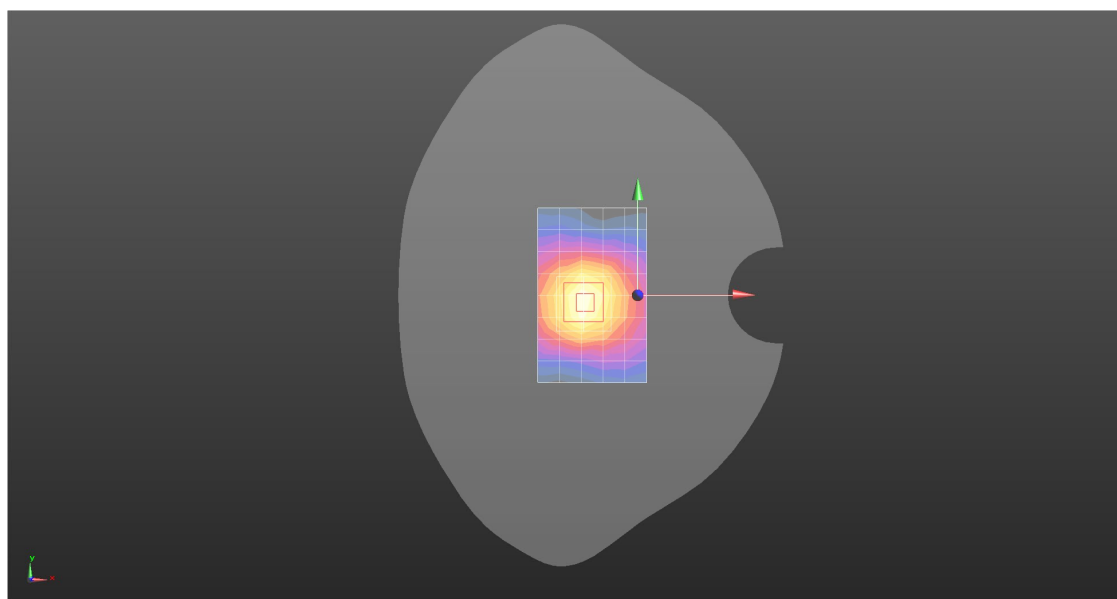
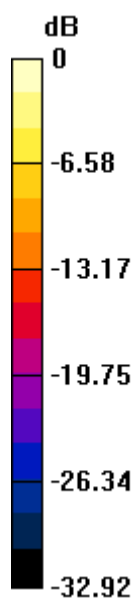
Peak SAR (extrapolated) = 17.7 W/kg

**SAR(1 g) = 6.74 W/kg; SAR(10 g) = 2.55 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 37.1%

Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 3700MHz Head****DUT: D3700V2; Type: Dipole; Serial: 1046**

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL3500; Medium parameters used:  $f = 3700$  MHz;  $\sigma = 3.084$  S/m;  $\epsilon_r = 36.871$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(6.99, 6.99, 6.99); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 10.8 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.72 V/m; Power Drift = 0.01 dB

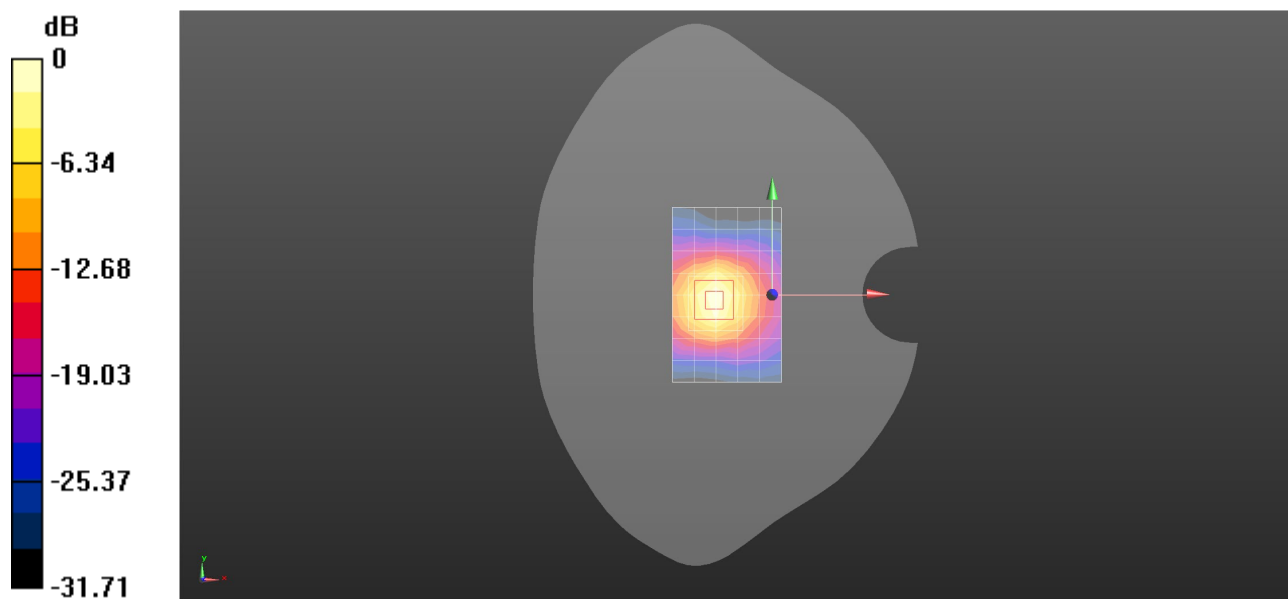
Peak SAR (extrapolated) = 15.2 W/kg

**SAR(1 g) = 5.97 W/kg; SAR(10 g) = 2.31 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 38.3%

Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg = 10.53 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 3900MHz Head****DUT: D3900V2; Type: Dipole; Serial: 1026**

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1

Medium: HSL3900; Medium parameters used:  $f = 3900$  MHz;  $\sigma = 3.311$  S/m;  $\epsilon_r = 36.272$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(6.9, 6.9, 6.9); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 9.36 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.92 V/m; Power Drift = -0.01 dB

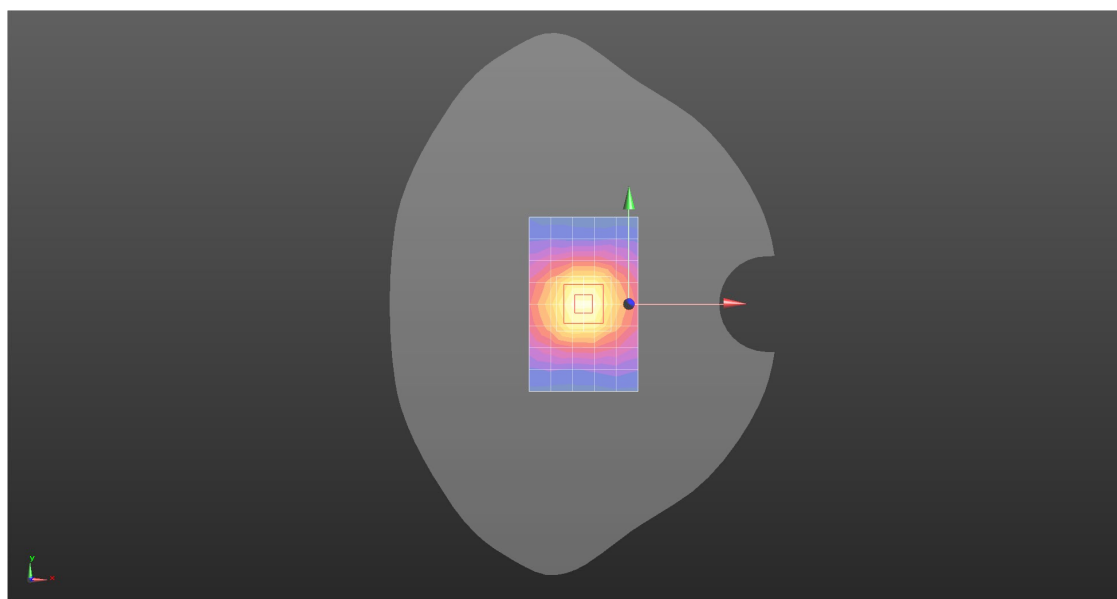
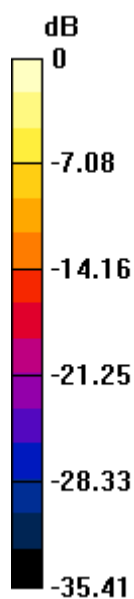
Peak SAR (extrapolated) = 18.4 W/kg

**SAR(1 g) = 6.67 W/kg; SAR(10 g) = 2.38 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 35.3%

Maximum value of SAR (measured) = 13.5 W/kg



0 dB = 13.5 W/kg = 11.30 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 3900MHz Head****DUT: D3900V2; Type: Dipole; Serial: 1026**

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1

Medium: HSL3900; Medium parameters used:  $f = 3900$  MHz;  $\sigma = 3.298$  S/m;  $\epsilon_r = 36.161$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(6.9, 6.9, 6.9); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (6x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 11.5 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 43.02 V/m; Power Drift = 0.15 dB

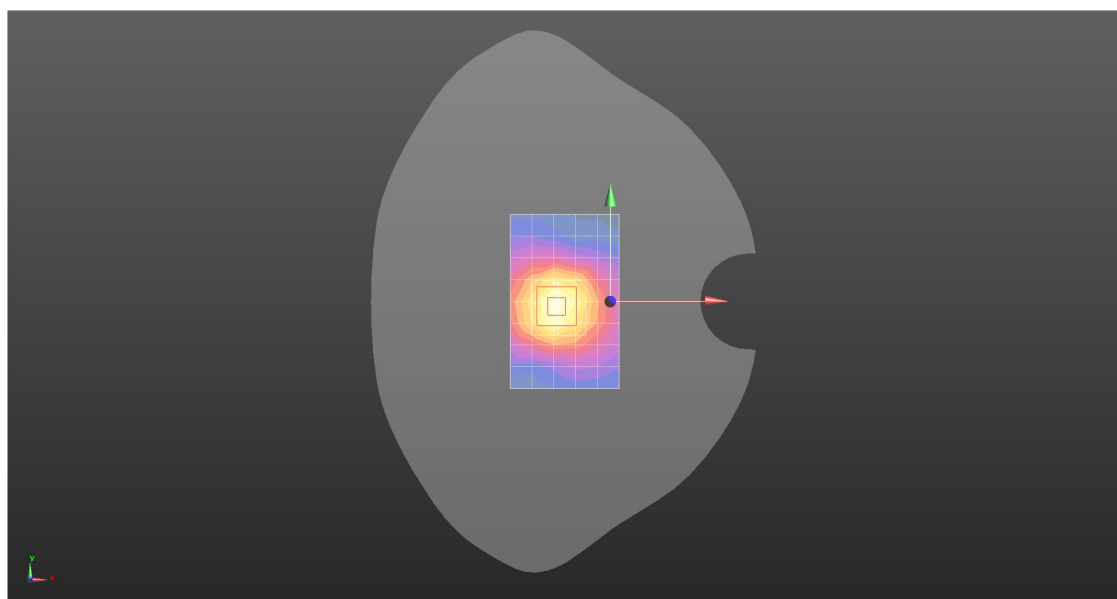
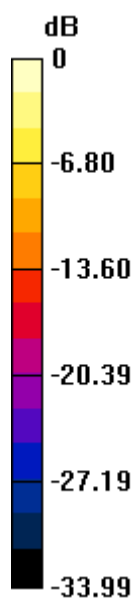
Peak SAR (extrapolated) = 17.7 W/kg

**SAR(1 g) = 6.32 W/kg; SAR(10 g) = 2.23 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 34.7%

Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 12.9 W/kg = 11.11 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 4100MHz Head****DUT: D3900V2; Type: Dipole; Serial: 1026**

Communication System: UID 0, CW (0); Frequency: 4100 MHz; Duty Cycle: 1:1

Medium: HSL4100; Medium parameters used:  $f = 4100$  MHz;  $\sigma = 3.497$  S/m;  $\epsilon_r = 35.721$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(6.8, 6.8, 6.8); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 12.8 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 49.98 V/m; Power Drift = -0.03 dB

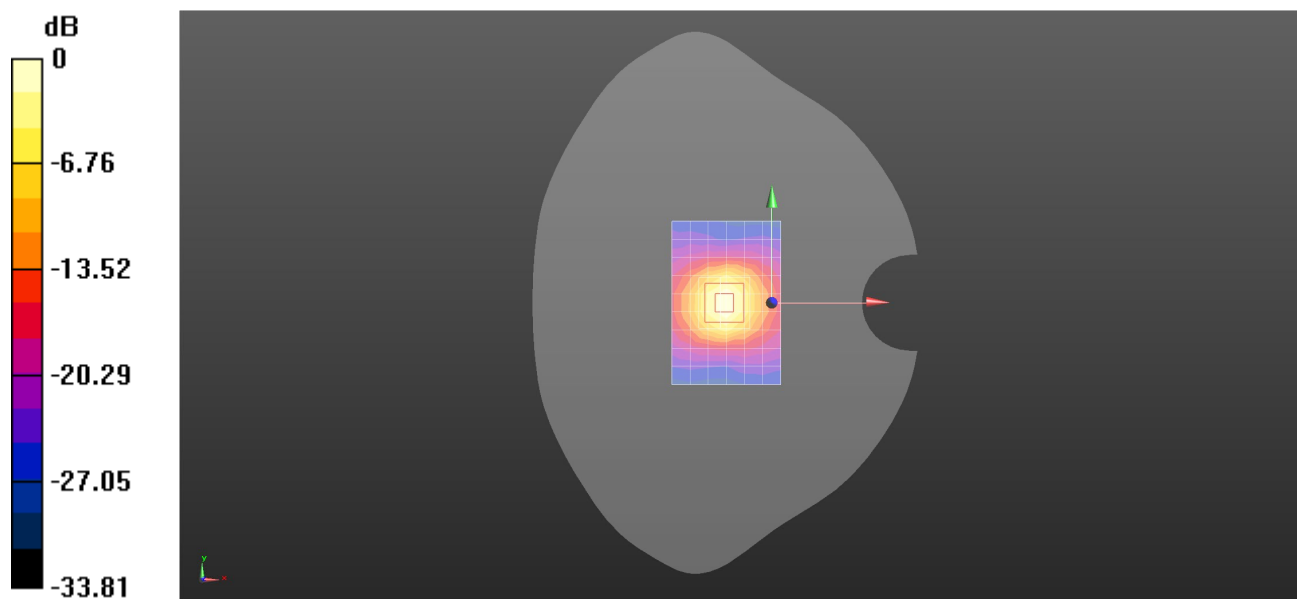
Peak SAR (extrapolated) = 20.3 W/kg

**SAR(1 g) = 6.96 W/kg; SAR(10 g) = 2.44 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 64.5%

Maximum value of SAR (measured) = 13.6 W/kg



0 dB = 13.6 W/kg = 11.34 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 4100MHz Head****DUT: D3900V2; Type: Dipole; Serial: 1026**

Communication System: UID 0, CW (0); Frequency: 4100 MHz; Duty Cycle: 1:1

Medium: HSL4100; Medium parameters used:  $f = 4100$  MHz;  $\sigma = 3.483$  S/m;  $\epsilon_r = 35.61$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(6.8, 6.8, 6.8); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (7x10x1):** Measurement grid: dx=10mm, dy=10mm

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

**Configuration/d=10mm, Pin=100mW/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 42.45 V/m; Power Drift = -0.07 dB

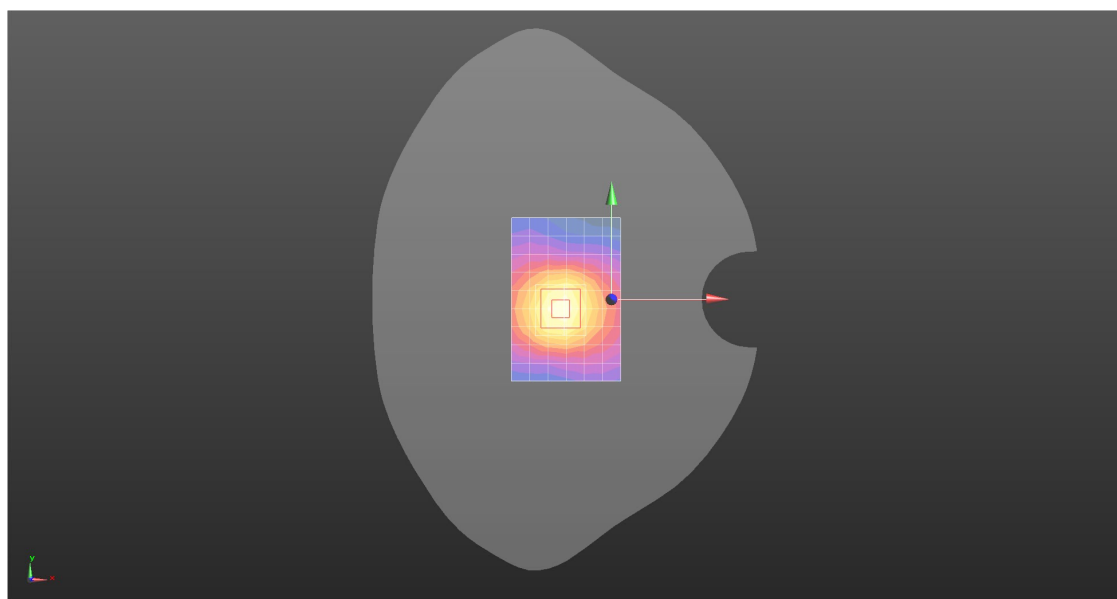
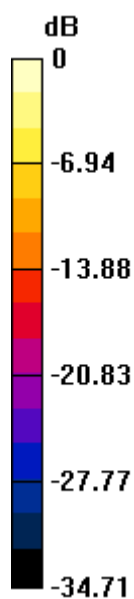
Peak SAR (extrapolated) = 19.0 W/kg

**SAR(1 g) = 6.54 W/kg; SAR(10 g) = 2.3 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 63.3%

Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 5.25GHz Head****DUT: D5GHzV2; Type: Dipole; Serial: 1165**

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL5G; Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.693$  S/m;  $\epsilon_r = 36.275$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(5.6, 5.6, 5.6); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.1 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x17)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 44.57 V/m; Power Drift = -0.14 dB

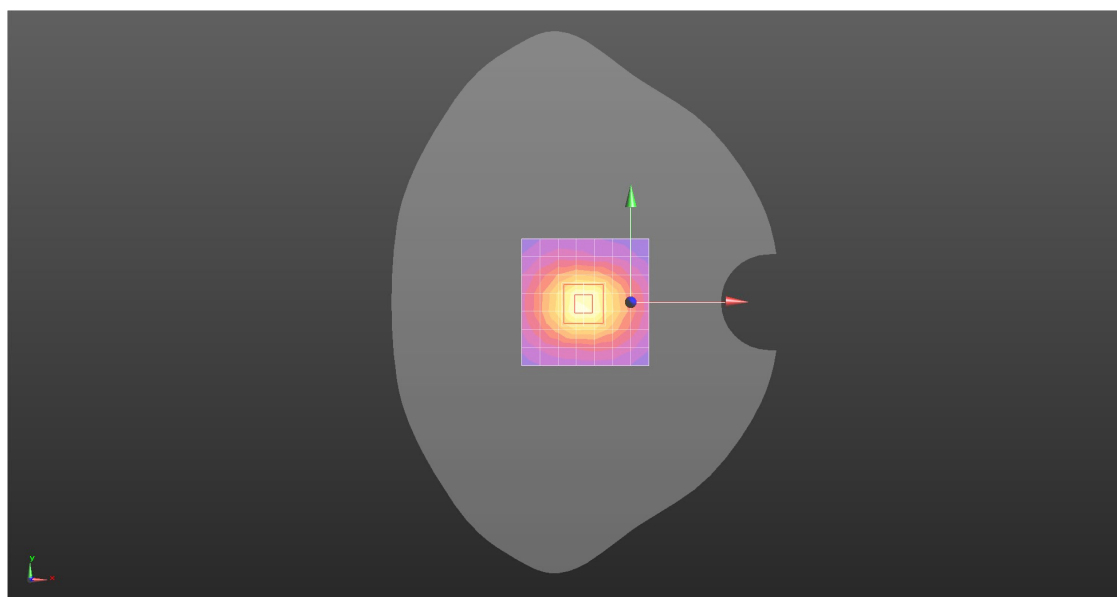
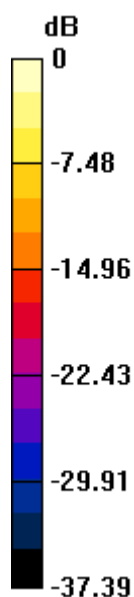
Peak SAR (extrapolated) = 33.5 W/kg

**SAR(1 g) = 8.09 W/kg; SAR(10 g) = 2.34 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 64.9%

Maximum value of SAR (measured) = 20.0 W/kg



0 dB = 20.0 W/kg = 13.01 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 5.6GHz Head****DUT: D5GHzV2; Type: Dipole; Serial: 1165**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL5G; Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.074$  S/m;  $\epsilon_r = 35.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(5.02, 5.02, 5.02); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW, f=5600 MHz/Area Scan (8x11x1):** Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (measured) = 15.2 W/kg

**Configuration/d=10mm, Pin=100mW, f=5600 MHz/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 70.90 V/m; Power Drift = -0.14 dB

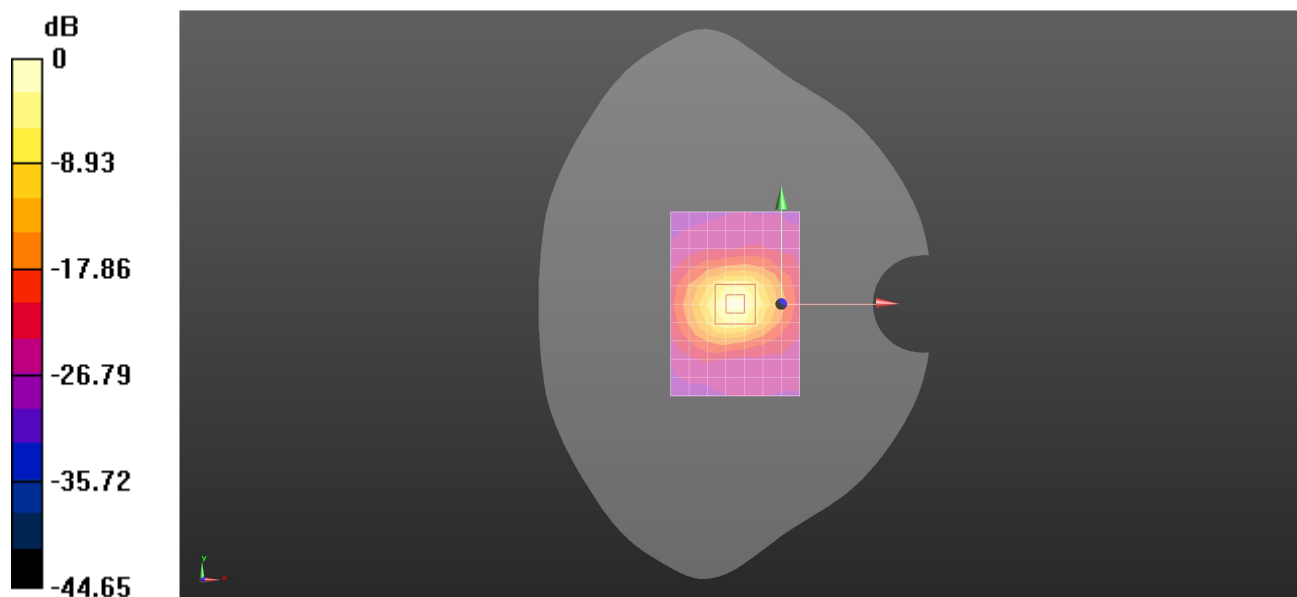
Peak SAR (extrapolated) = 34.2 W/kg

**SAR(1 g) = 8.05 W/kg; SAR(10 g) = 2.28 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 63.6%

Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.9 W/kg = 13.20 dBW/kg

Test Laboratory: SGS-SAR Lab

**System Performance Check 5.75GHz Head****DUT: D5GHzV2; Type: Dipole; Serial: 1165**

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL5G; Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.266$  S/m;  $\epsilon_r = 35.226$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(5.16, 5.16, 5.16); Calibrated: 2024/07/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2024/03/18
- Phantom: SAM 3; Type: SAM Twin; Serial: 2031
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/d=10mm, Pin=100mW/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 12.0 W/kg

**Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x17)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 39.71 V/m; Power Drift = -0.02 dB

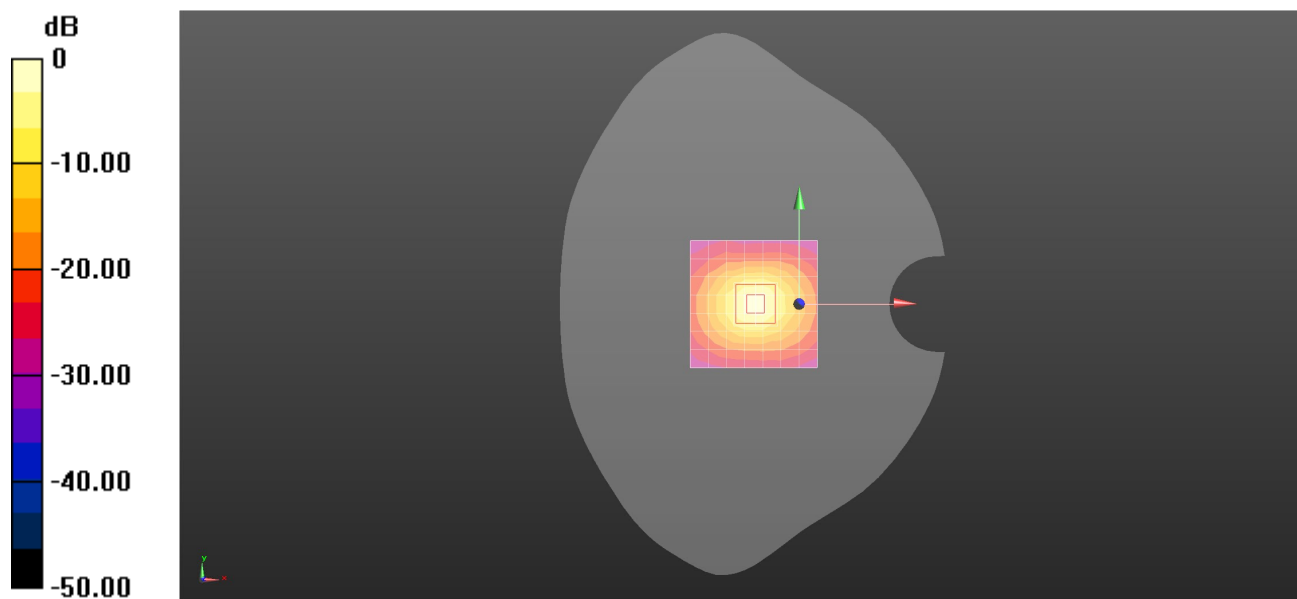
Peak SAR (extrapolated) = 35.1 W/kg

**SAR(1 g) = 7.61 W/kg; SAR(10 g) = 2.19 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 61.3%

Maximum value of SAR (measured) = 19.8 W/kg



0 dB = 19.8 W/kg = 12.97 dBW/kg

## System Performance Check 6500 MHz Head

### Device

Communication System: D6.5GHz; Frequency: 6500.000

Medium: Head Simulating Liquid. Medium parameters used:  $f=6500.000$  MHz;  $\sigma=6.27$  S/m;  $\epsilon_r=34.3$

### DASY8 Configuration:

- Probe: EX3DV4 - SN7838; ConvF(5.2, 4.96, 5.11); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn896; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
- Measurement Software: cDASY8 V16.4.0.5005

**Area Scan (100.0 mm x 160.0 mm):** Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 27.2 W/kg; SAR (10g) = 5.27 W/kg;

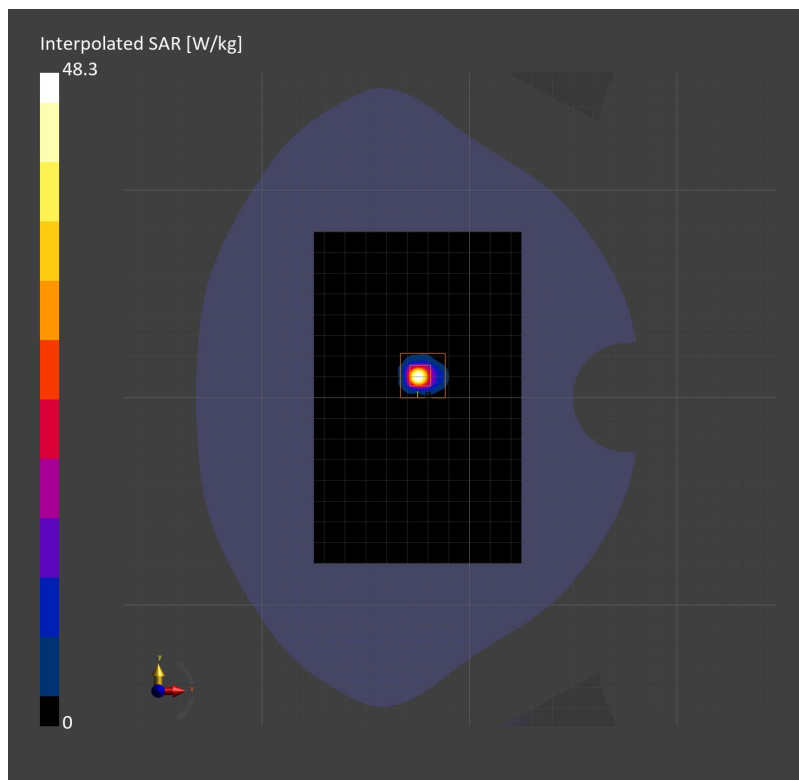
**Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm):** Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm

Power Drift = -0.15 dB

**SAR (1g) = 30.5 W/kg; SAR (10g) = 5.84 W/kg;**

M2/M1 [%]=55.2

Dist 3dB Peak [mm]=4.8



Test Laboratory:SGS-SAR Lab  
 System Performance Check 10GHz Power Density

Device Under Test Properties

Model	Dimensions [mm]	SN	DUT Type
10G Source,	100.0 x 100.0 x 100.0	2004	Source

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1777	Air -	EUmmWV4 - SN9533_F1-55GHz, 2024-08-23	DAE4 Sn896, 2024-03-18

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2025-02-26
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	181
psPDtot+ [W/m <sup>2</sup> ]	183
psPDmod+ [W/m <sup>2</sup> ]	187
E <sub>max</sub> [V/m]	299
Power Drift [dB]	0.02

