

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: HSL; Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 41.693$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(5.83, 5.64, 5.17); Calibrated: 2024-12-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2025-03-27
- 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: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.56 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 = 48.11 V/m; Power Drift = 0.06 dB

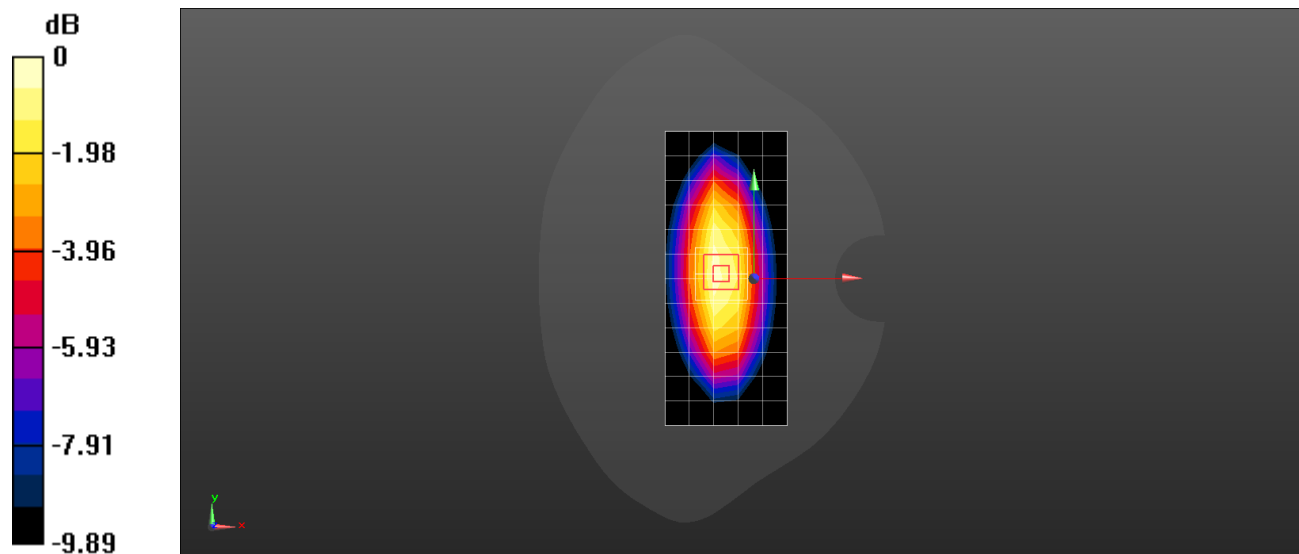
Peak SAR (extrapolated) = 3.18 W/kg

SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.34 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) = 2.74 W/kg



0 dB = 2.74 W/kg = 4.38 dBW/kg

Test Laboratory: SGS-SAR Lab

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

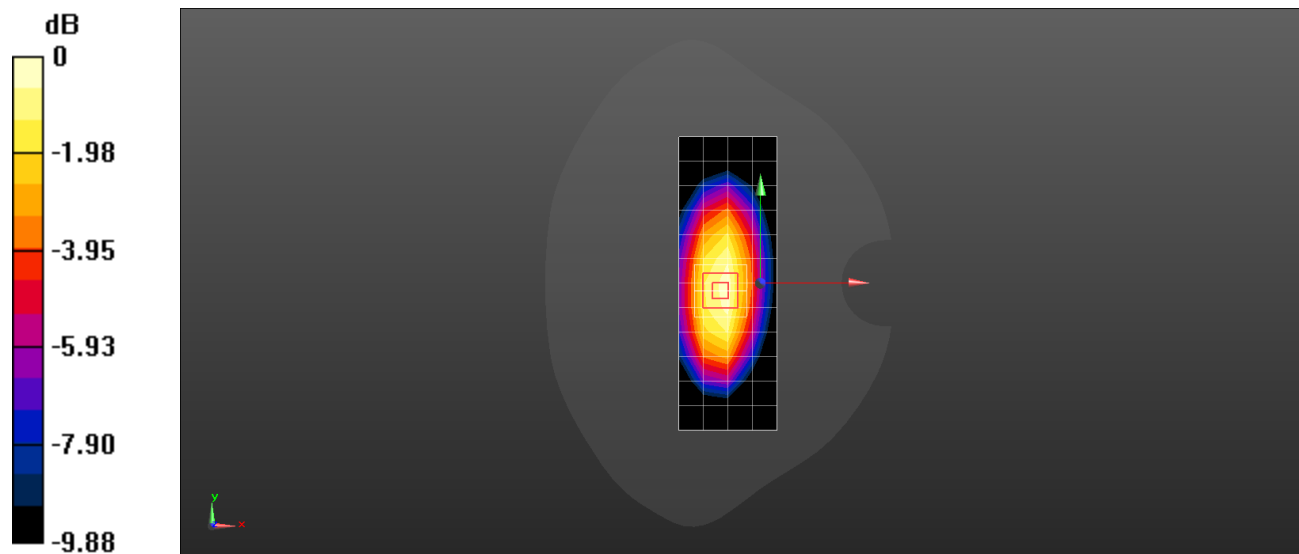
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.922 \text{ S/m}$; $\epsilon_r = 42.77$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(5.76, 5.58, 5.11); Calibrated: 2024-12-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2025-03-27
- 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) = 2.80 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 = 56.43 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 3.56 W/kg **SAR(1 g) = 2.55 W/kg ; SAR(10 g) = 1.72 W/kg** Smallest distance from peaks to all points 3 dB below = 17.2 mm Ratio of SAR at M2 to SAR at M1 = 60.9% Maximum value of SAR (measured) = 2.94 W/kg 0 dB = 2.94 W/kg = 4.68 dBW/kg

Test Laboratory: SGS-SAR Lab

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

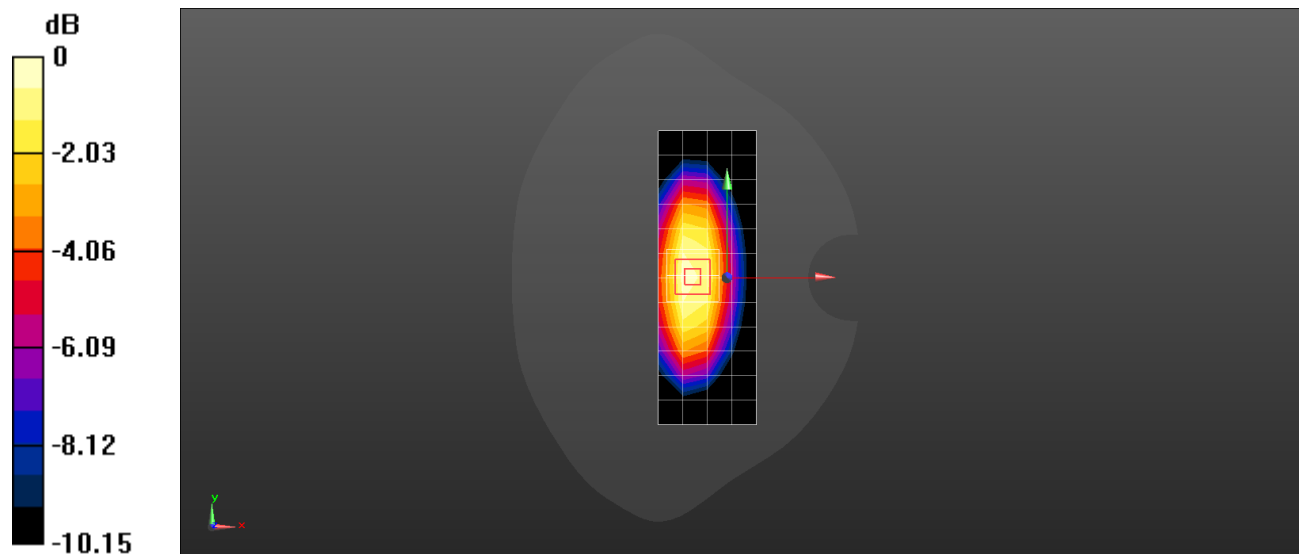
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 40.946$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(5.76, 5.58, 5.11); Calibrated: 2024-12-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2025-03-27
- 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 = 53.94 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 3.96 W/kg **SAR(1 g) = 2.49 W/kg ; SAR(10 g) = 1.65 W/kg** Smallest distance from peaks to all points 3 dB below = 16.3 mm Ratio of SAR at M2 to SAR at M1 = 63.7% Maximum value of SAR (measured) = 3.41 W/kg 0 dB = 3.41 W/kg = 5.33 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: HSL; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.32$ S/m; $\epsilon_r = 40.383$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(5.13, 4.97, 4.55); Calibrated: 2024-12-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2025-03-27
- 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) = 10.3 W/kg

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

Reference Value = 85.96 V/m; Power Drift = -0.08 dB

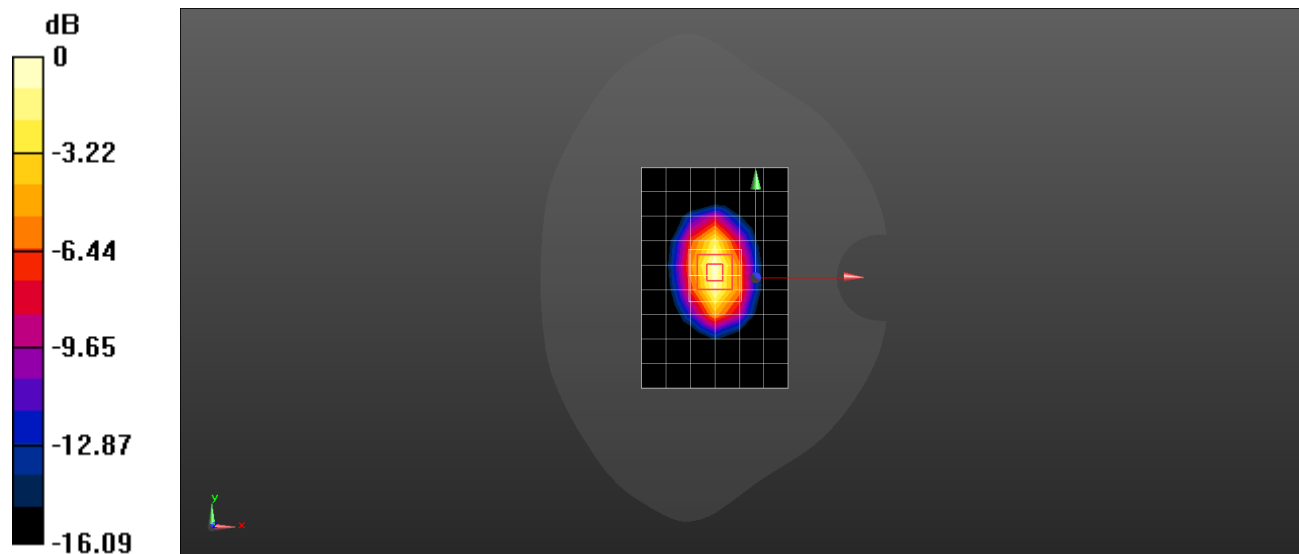
Peak SAR (extrapolated) = 14.2 W/kg

SAR(1 g) = 8.42 W/kg; SAR(10 g) = 4.59 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.6%

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



0 dB = 10.5 W/kg = 10.21 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: HSL; Medium parameters used: $f = 1750$ MHz; $\sigma = 1.31$ S/m; $\epsilon_r = 39.012$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(5.13, 4.97, 4.55); Calibrated: 2024-12-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2025-03-27
- 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 = 86.75 V/m; Power Drift = 0.10 dB

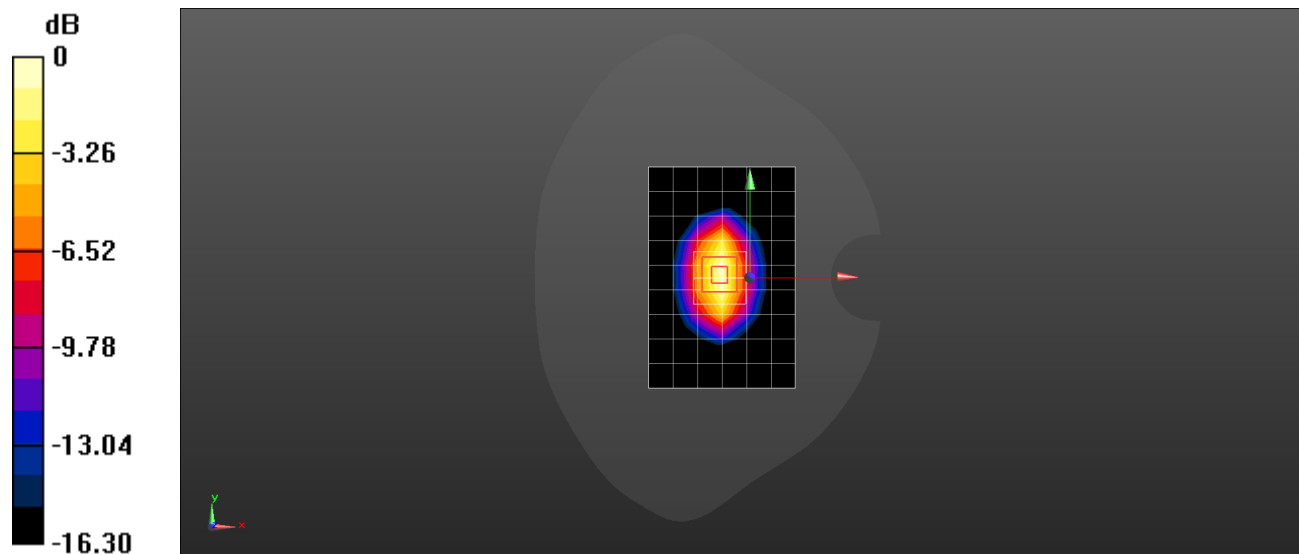
Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 9.21 W/kg; SAR(10 g) = 4.98 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) = 14.2 W/kg



0 dB = 14.2 W/kg = 11.52 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: HSL; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.596$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(4.94, 4.78, 4.38); Calibrated: 2024-12-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2025-03-27
- 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) = 12.5 W/kg

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

Reference Value = 92.56 V/m; Power Drift = -0.01 dB

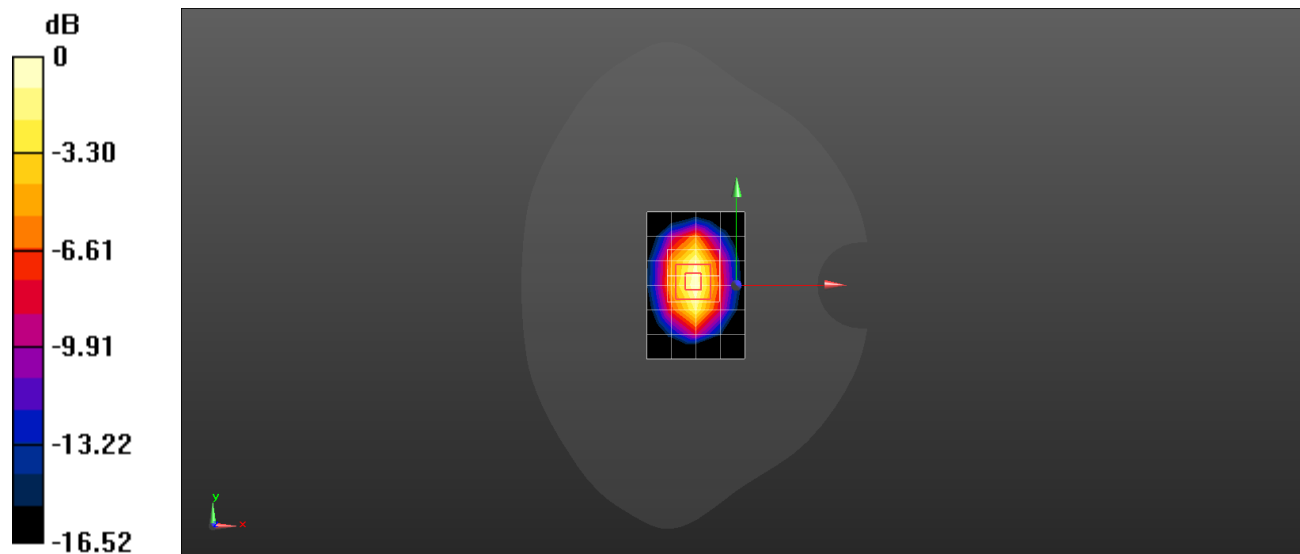
Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.54 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.5%

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

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

Medium: HSL; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.356$ S/m; $\epsilon_r = 39.852$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(4.94, 4.78, 4.38); Calibrated: 2024-12-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2025-03-27
- 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) = 11.6 W/kg

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

Reference Value = 89.50 V/m; Power Drift = -0.05 dB

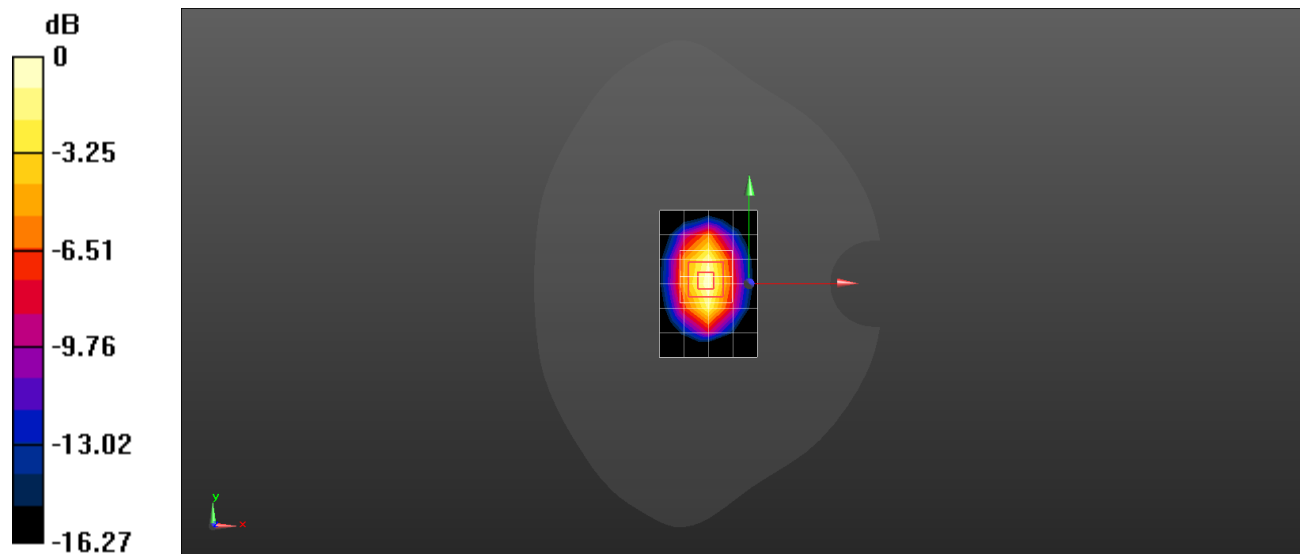
Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 9.43 W/kg; SAR(10 g) = 5.12 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.5%

Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 11.7 W/kg = 10.68 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: HSL; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.789$ S/m; $\epsilon_r = 38.427$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: ES3DV3 - SN3071; ConvF(4.55, 4.41, 4.04); Calibrated: 2024-12-10
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn896; Calibrated: 2025-03-27
- 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) = 17.7 W/kg

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

Reference Value = 92.32 V/m; Power Drift = 0.08 dB

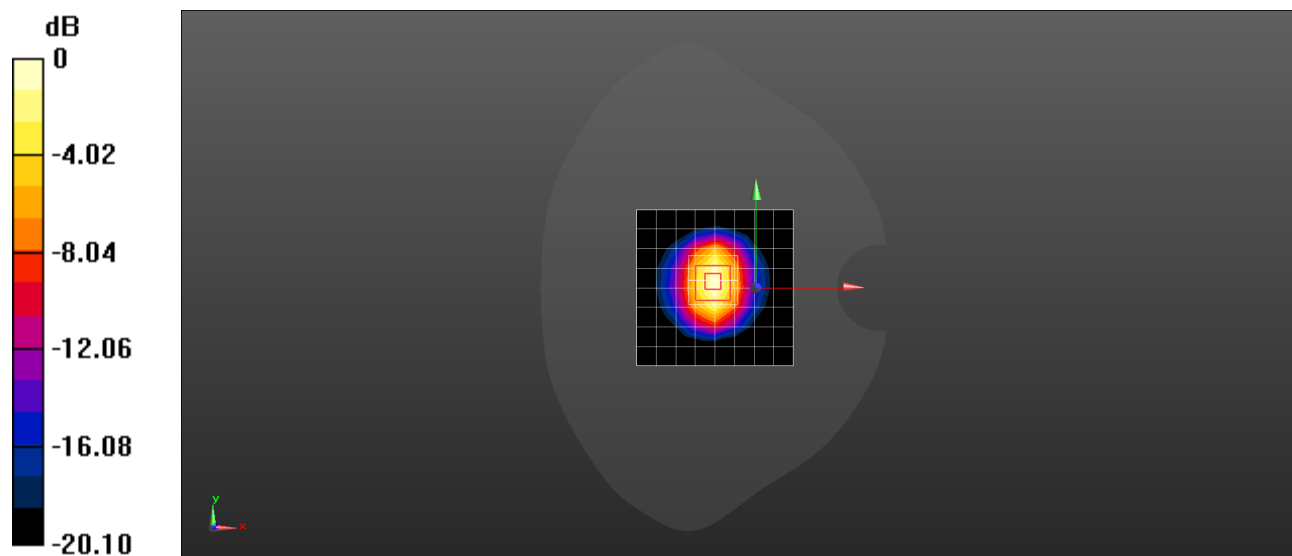
Peak SAR (extrapolated) = 26.4 W/kg

SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.57 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 53.9%

Maximum value of SAR (measured) = 17.6 W/kg



0 dB = 17.6 W/kg = 12.46 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: HSL;Medium parameters used: $f = 2600 \text{ MHz}$; $\sigma = 2.013 \text{ S/m}$; $\epsilon_r = 39.383$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.80, 6.80, 6.80); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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) = 17.9 W/kg

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

Reference Value = 76.56 V/m; Power Drift = -0.06 dB

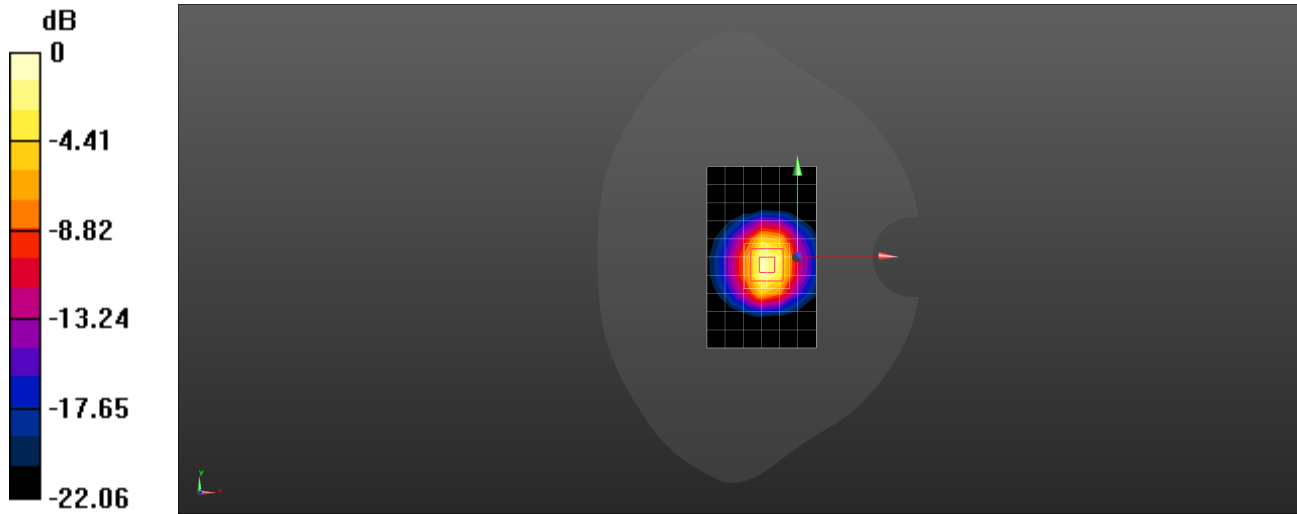
Peak SAR (extrapolated) = 28.1 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.28 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 49.7%

Maximum value of SAR (measured) = 22.9 W/kg



0 dB = 22.9 W/kg = 13.60 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: HSL;Medium parameters used: $f = 2600 \text{ MHz}$; $\sigma = 2.003 \text{ S/m}$; $\epsilon_r = 39.313$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.80, 6.80, 6.80); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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: $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 22.8 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 84.16 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 28.9 W/kg
SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.56 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 50.1%
Maximum value of SAR (measured) = 23.5 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: HSL;Medium parameters used: $f = 2600\text{ MHz}$; $\sigma = 2.011\text{ S/m}$; $\epsilon_r = 39.368$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.80, 6.80, 6.80); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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 (9x15x1): 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 = 89.57 V/m; Power Drift = -0.02 dB

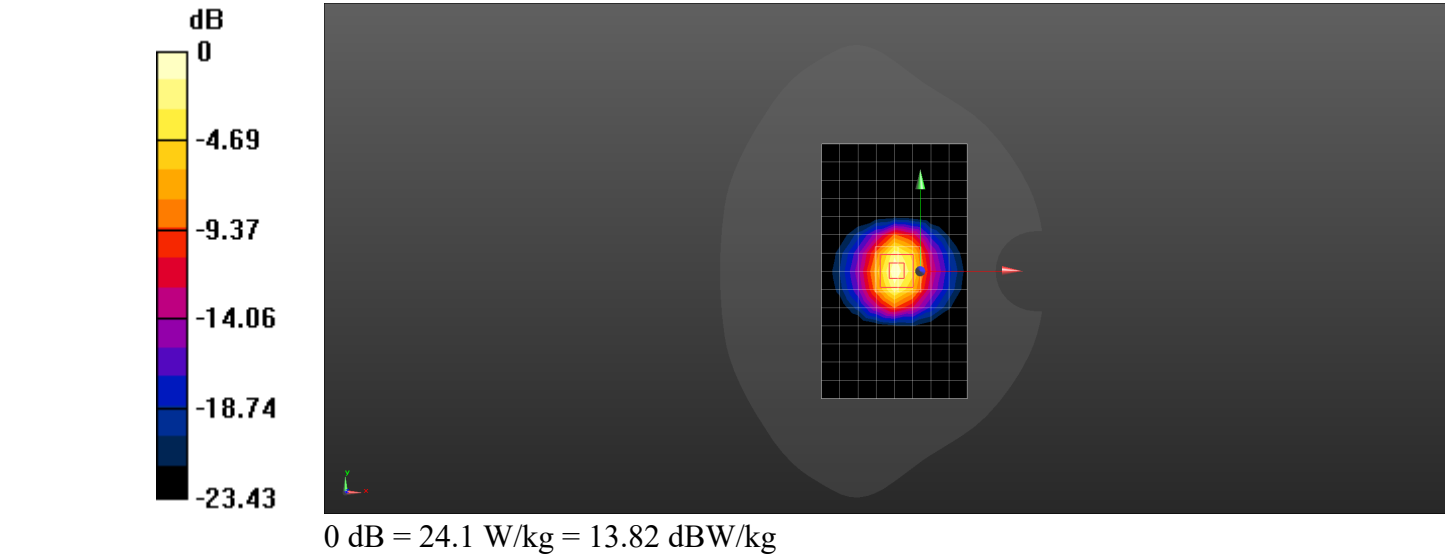
Peak SAR (extrapolated) = 29.6 W/kg

SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.36 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.3%

Maximum value of SAR (measured) = 24.1 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: HSL;Medium parameters used: $f = 2600 \text{ MHz}$; $\sigma = 1.941 \text{ S/m}$; $\epsilon_r = 38.887$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.80, 6.80, 6.80); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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: $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 17.6 W/kg

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

Reference Value = 81.90 V/m; Power Drift = 0.01 dB

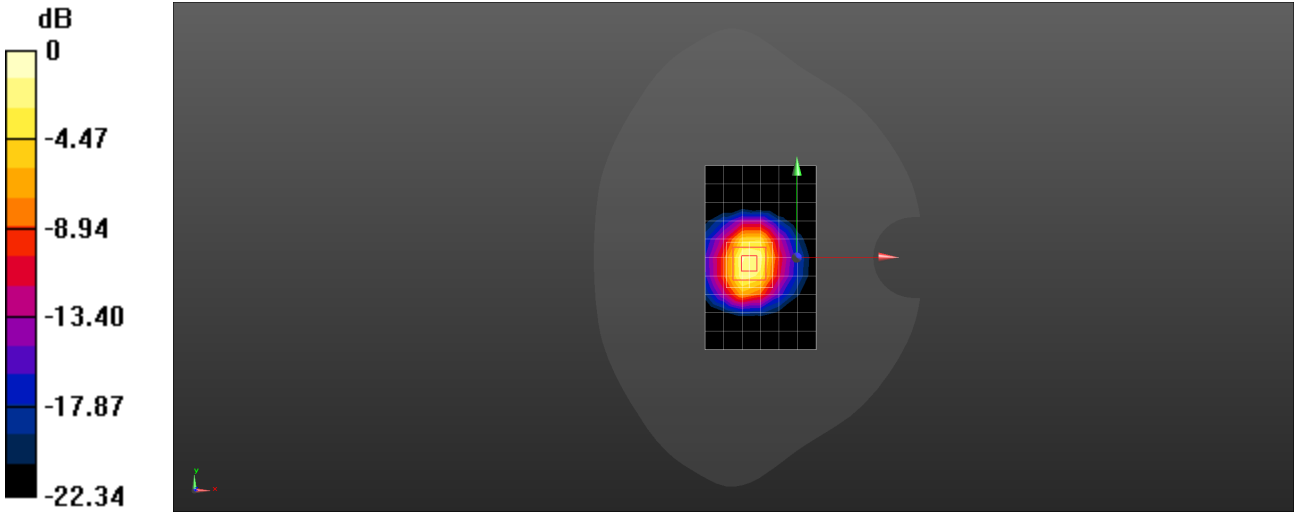
Peak SAR (extrapolated) = 29.8 W/kg

SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.62 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 49.6%

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



0 dB = 24.2 W/kg = 13.85 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: HSL;Medium parameters used: $f = 3500\text{ MHz}$; $\sigma = 2.952\text{ S/m}$; $\epsilon_r = 38.293$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.40, 6.40, 6.40); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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 (9x16x1): Measurement grid: dx=10mm, dy=10mm

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

Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 46.32 V/m; Power Drift = -0.02 dB

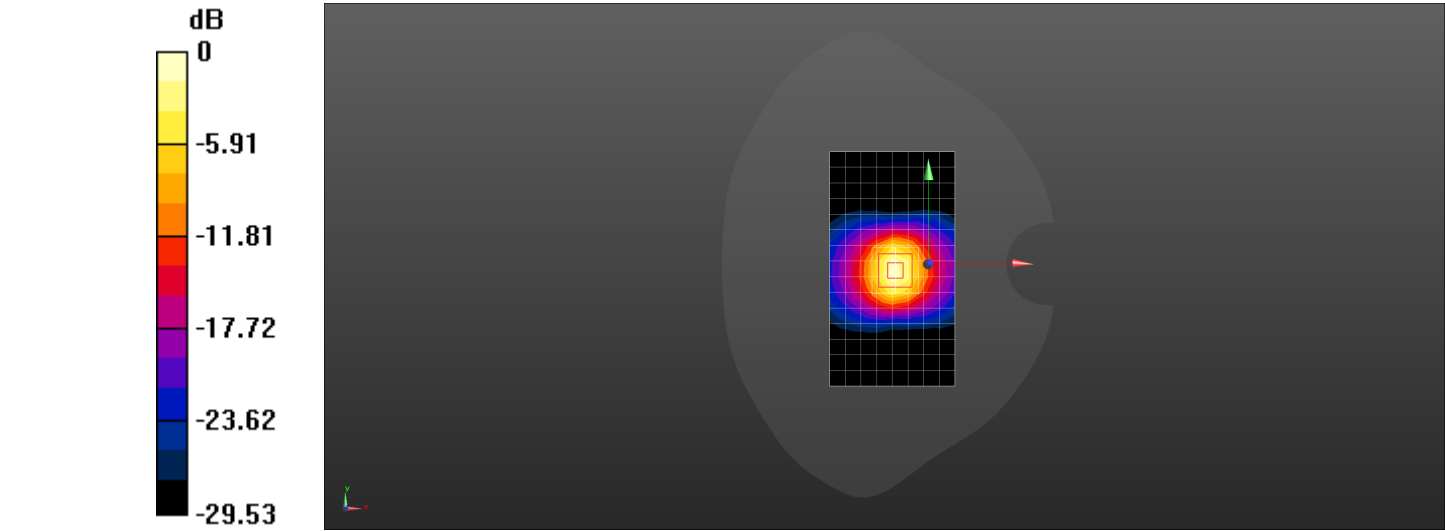
Peak SAR (extrapolated) = 16.8 W/kg

SAR(1 g) = 6.75 W/kg; SAR(10 g) = 2.62 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.5%

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



0 dB = 12.8 W/kg = 11.08 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: HSL;Medium parameters used: $f = 3500 \text{ MHz}$; $\sigma = 2.863 \text{ S/m}$; $\epsilon_r = 37.844$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.40, 6.40, 6.40); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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 (9x16x1): Measurement grid: dx=10mm, dy=10mm

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

Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 50.07 V/m; Power Drift = -0.06 dB

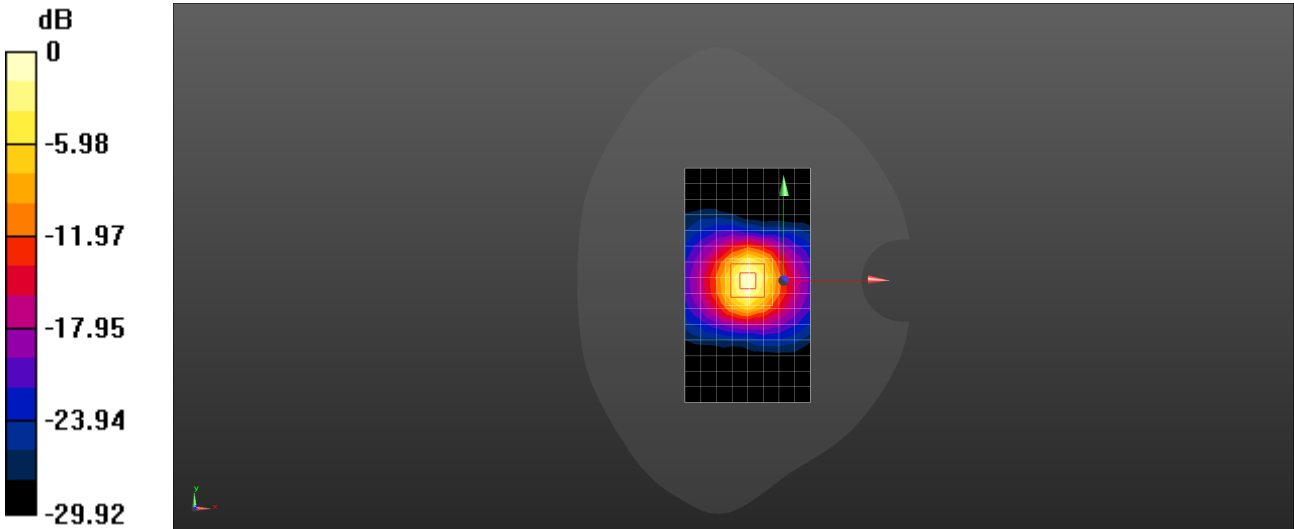
Peak SAR (extrapolated) = 15.8 W/kg

SAR(1 g) = 6.33 W/kg; SAR(10 g) = 2.47 W/kg

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

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

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



0 dB = 11.9 W/kg = 10.75 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: HSL;Medium parameters used: $f = 3500\text{ MHz}$; $\sigma = 2.991\text{ S/m}$; $\epsilon_r = 38.494$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.40, 6.40, 6.40); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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 (9x16x1): Measurement grid: dx=10mm, dy=10mm

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

Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 46.32 V/m; Power Drift = -0.02 dB

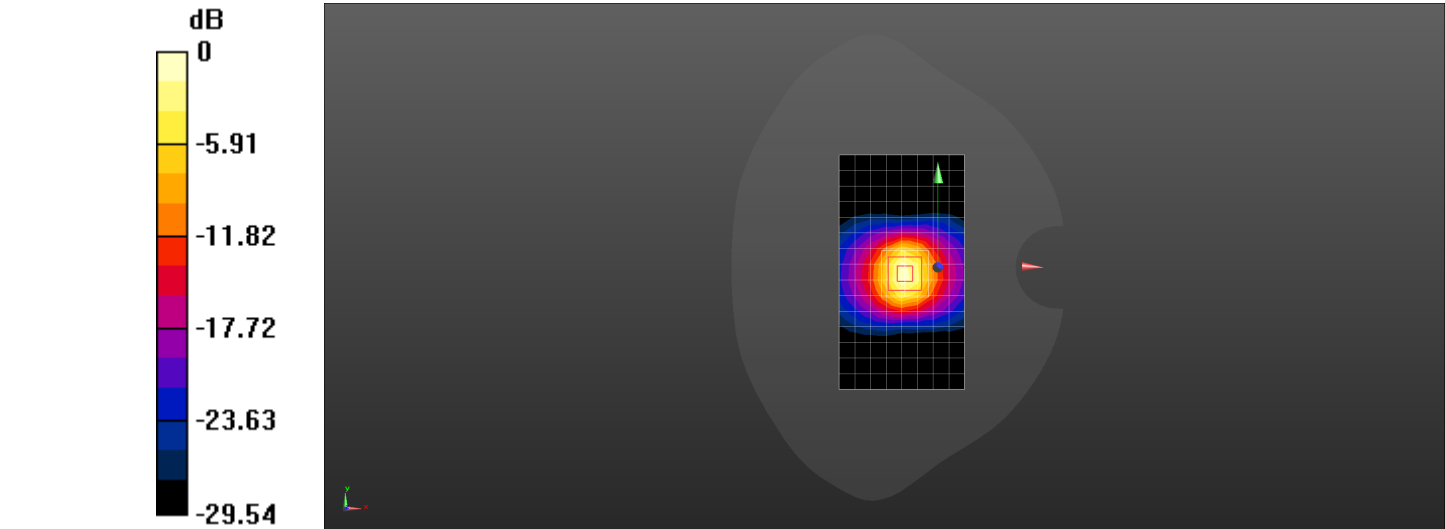
Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 6.84 W/kg; SAR(10 g) = 2.65 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.5%

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: HSL;Medium parameters used: $f = 3500 \text{ MHz}$; $\sigma = 2.864 \text{ S/m}$; $\epsilon_r = 37.696$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.40, 6.40, 6.40); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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 (9x16x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 10.8 W/kg

Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 46.32 V/m; Power Drift = -0.02 dB

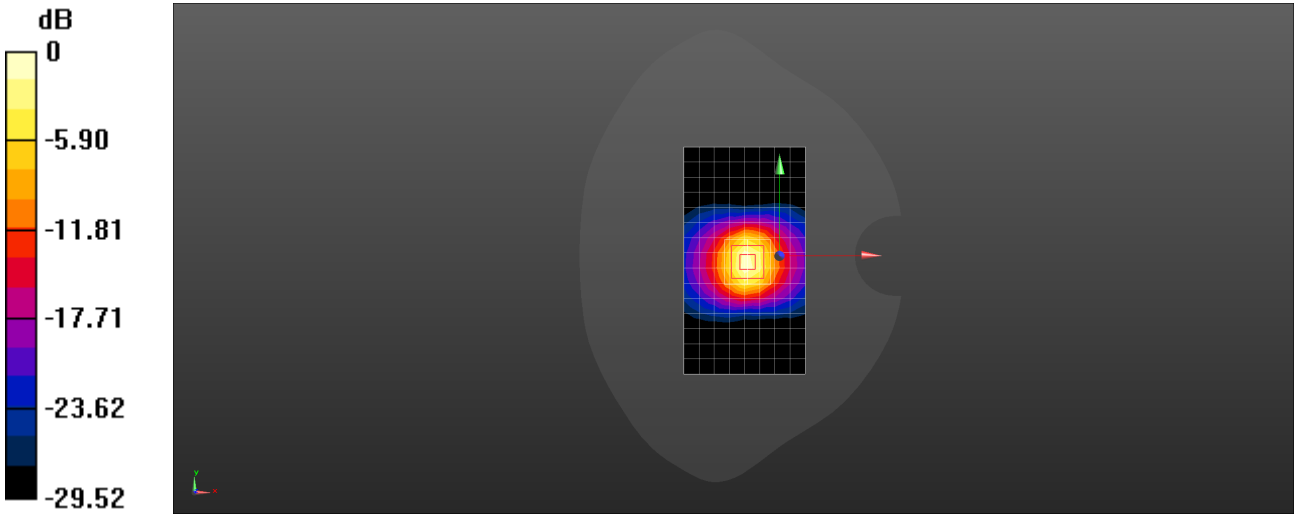
Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 6.55 W/kg; SAR(10 g) = 2.54 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.5%

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



0 dB = 12.4 W/kg = 10.93 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: HSL;Medium parameters used: $f = 3700\text{ MHz}$; $\sigma = 3.184\text{ S/m}$; $\epsilon_r = 37.661$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.15, 6.15, 6.15); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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) = 10.2 W/kg

Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 44.17 V/m; Power Drift = -0.02 dB

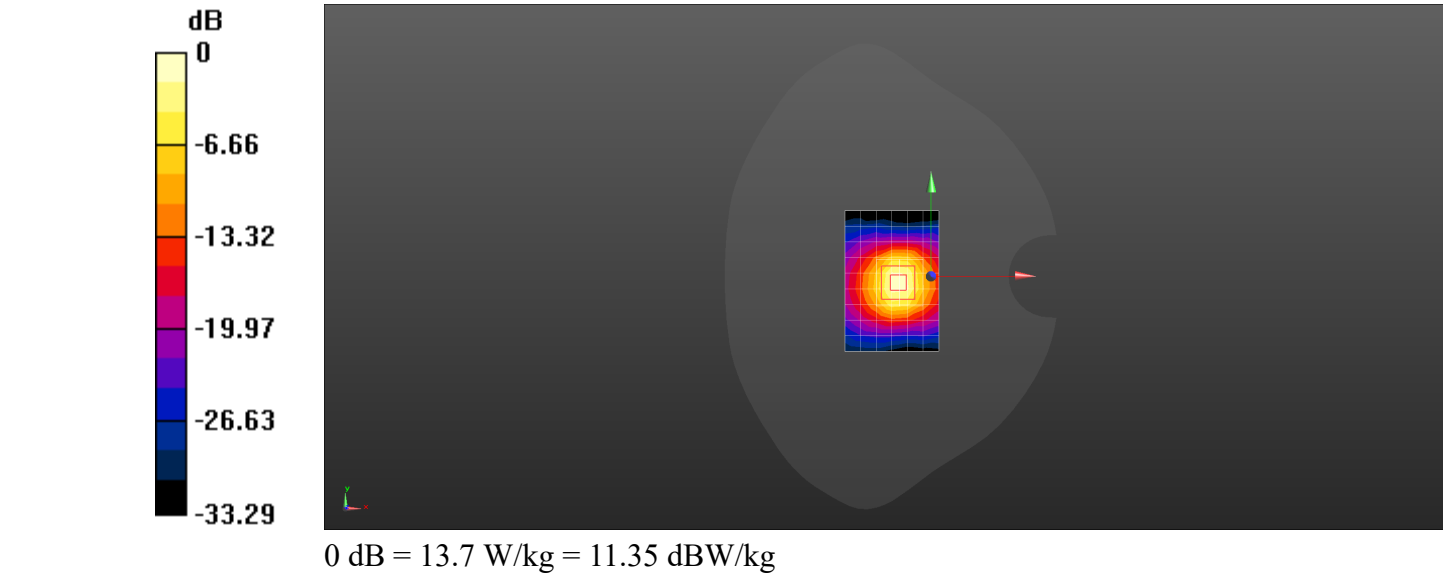
Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 7.07 W/kg; SAR(10 g) = 2.68 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 13.7 W/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: HSL;Medium parameters used: $f = 3700\text{ MHz}$; $\sigma = 3.054\text{ S/m}$; $\epsilon_r = 37.129$; $\rho = 1000\text{ kg/m}^3$

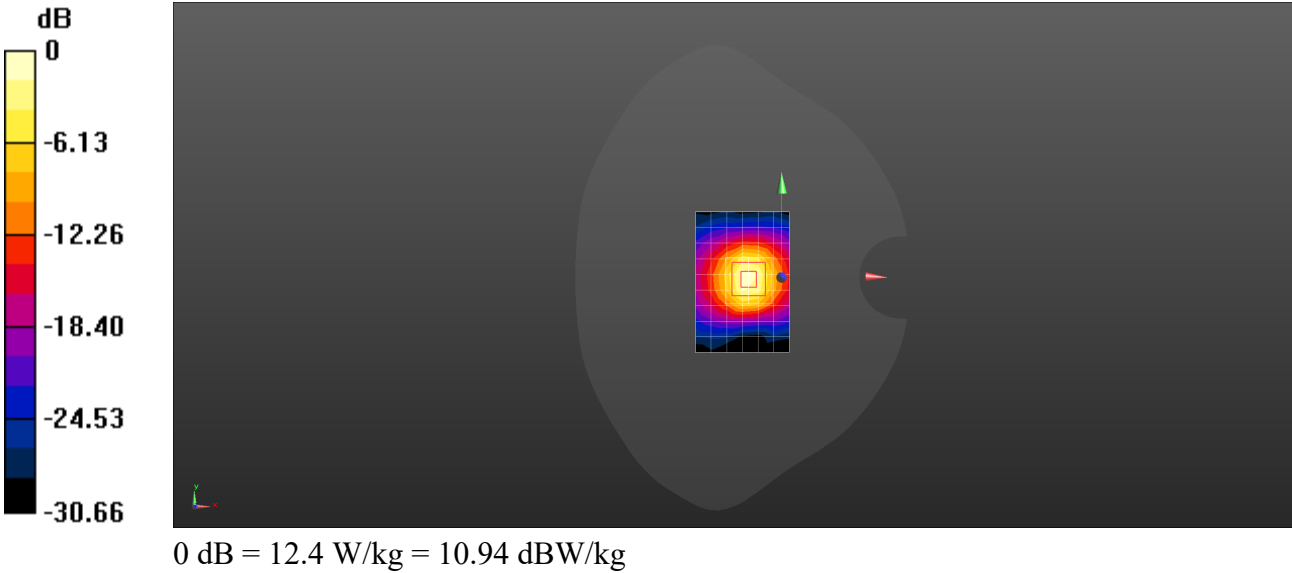
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.15, 6.15, 6.15); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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) = 10.1 W/kg

Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 46.37 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 6.4 W/kg; SAR(10 g) = 2.43 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 55.5%
Maximum value of SAR (measured) = 12.4 W/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: HSL;Medium parameters used: $f = 3700 \text{ MHz}$; $\sigma = 3.055 \text{ S/m}$; $\epsilon_r = 36.98$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(6.15, 6.15, 6.15); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 11.3 W/kg

Configuration/d=10mm, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$

Reference Value = 37.68 V/m; Power Drift = 0.09 dB

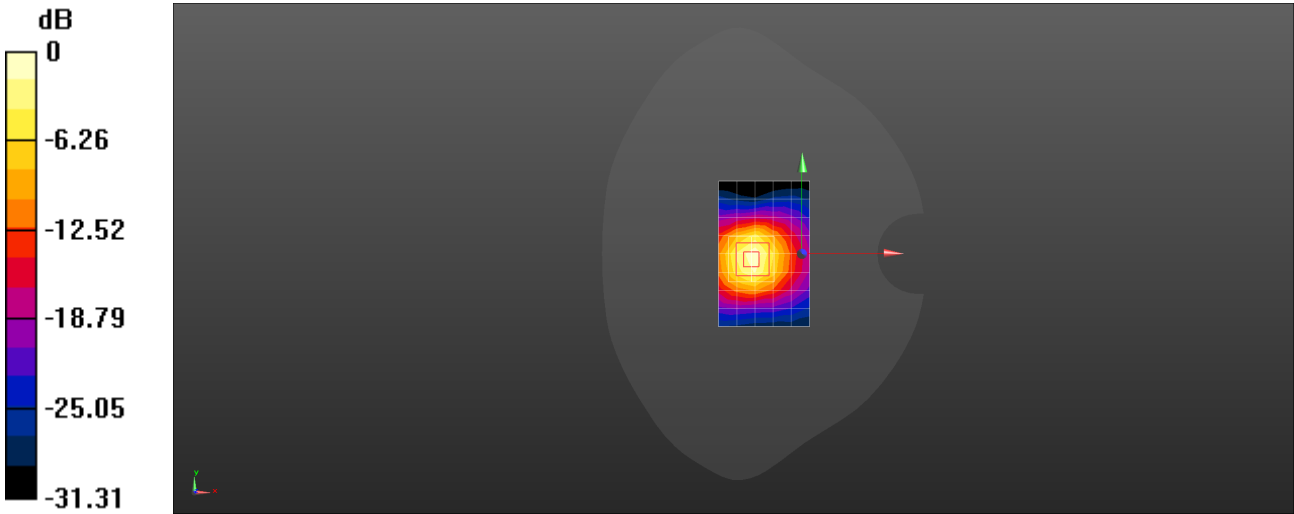
Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 6.29 W/kg; SAR(10 g) = 2.46 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 39%

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



0 dB = 11.9 W/kg = 10.76 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: HSL;Medium parameters used: $f = 5250 \text{ MHz}$; $\sigma = 4.816 \text{ S/m}$; $\epsilon_r = 36.548$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(5.11, 5.11, 5.11); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 13.4 W/kg

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

Reference Value = 44.61 V/m; Power Drift = -0.14 dB

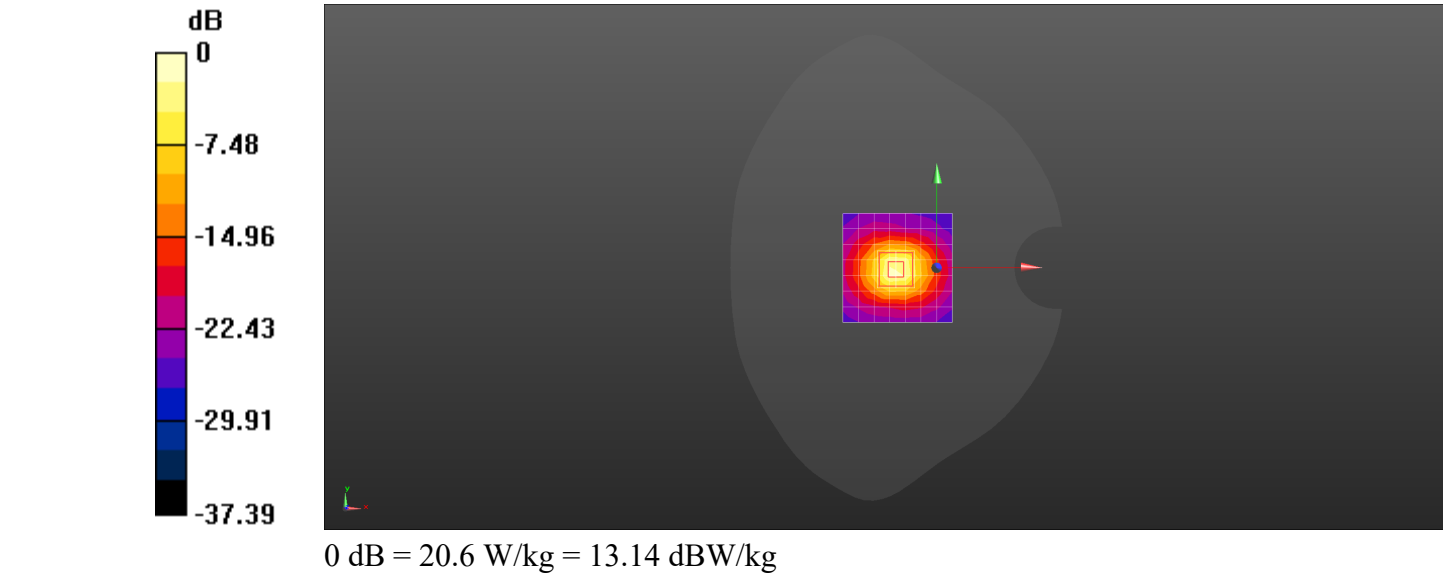
Peak SAR (extrapolated) = 34.5 W/kg

SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.41 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) = 20.6 W/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: HSL;Medium parameters used: $f = 5600 \text{ MHz}$; $\sigma = 5.205 \text{ S/m}$; $\epsilon_r = 35.68$; $\rho = 1000 \text{ kg/m}^3$

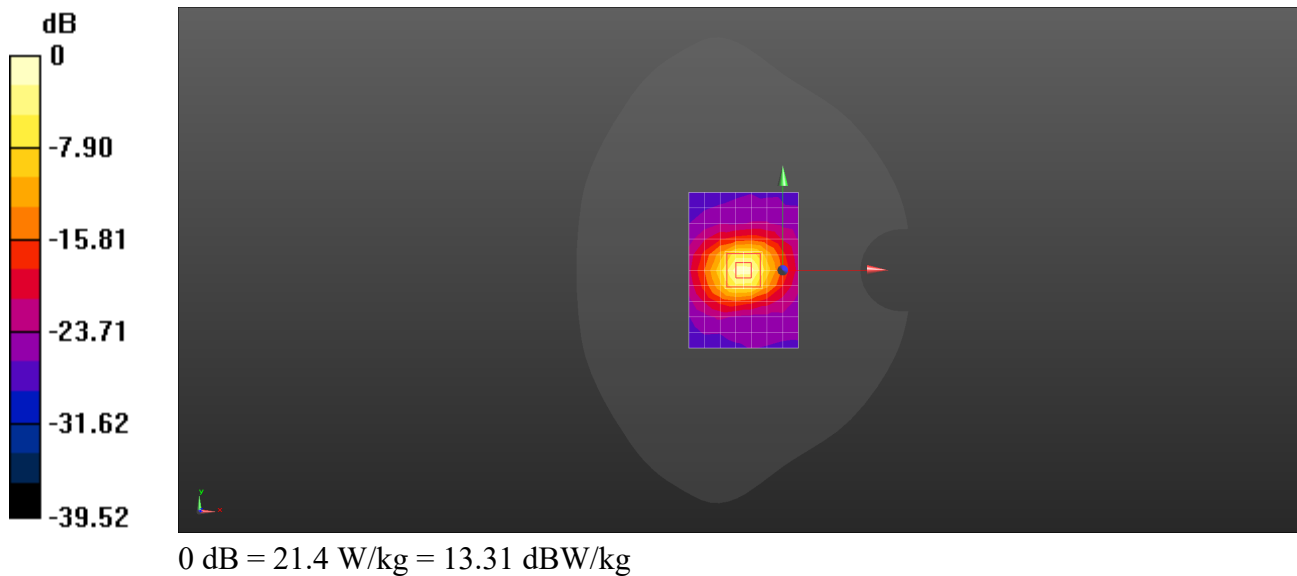
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(4.53, 4.53, 4.53); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 15.6 W/kg

Configuration/d=10mm, Pin=100mW, f=5600 MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$
Reference Value = 70.95 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 35.1 W/kg
SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.35 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) = 21.4 W/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: HSL;Medium parameters used: $f = 5750 \text{ MHz}$; $\sigma = 5.401 \text{ S/m}$; $\epsilon_r = 35.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3789; ConvF(4.67, 4.67, 4.67); Calibrated: 2025/1/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2025/4/27
- 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) = 12.3 W/kg

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

Reference Value = 39.74 V/m; Power Drift = -0.02 dB

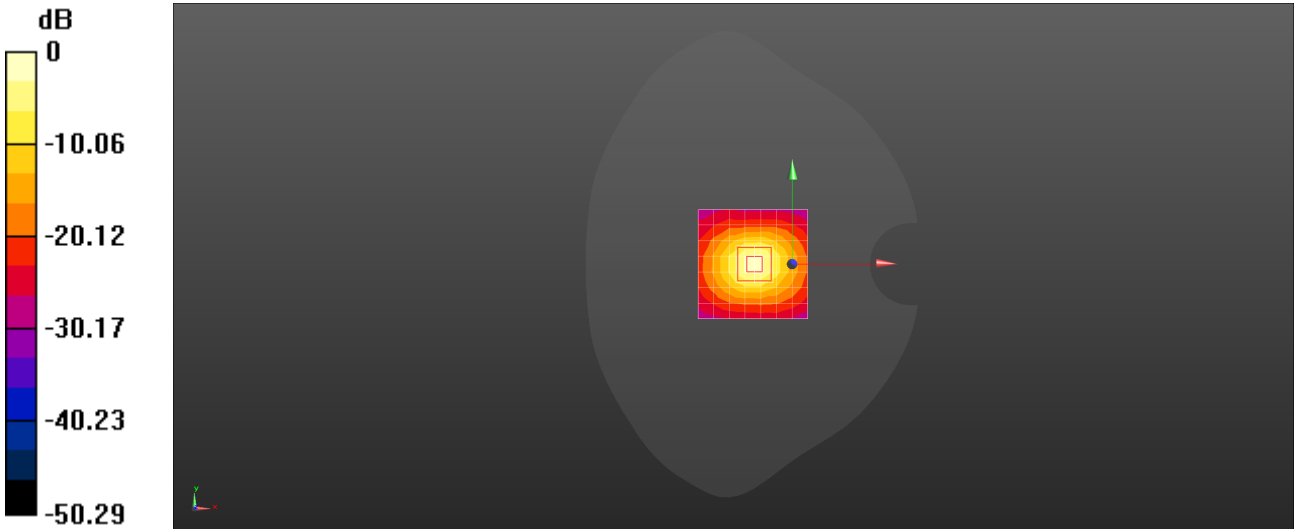
Peak SAR (extrapolated) = 36.2 W/kg

SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.25 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) = 20.4 W/kg



0 dB = 20.4 W/kg = 13.10 dBW/kg

System Performance Check 6500 MHz Head

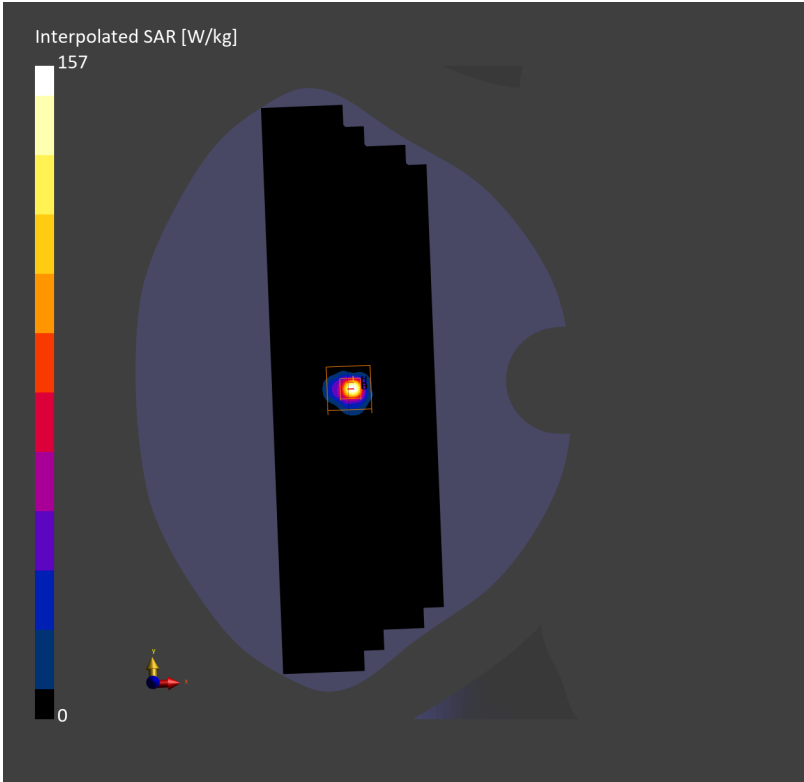
DUT: D6.5GHzV2; Type: Dipole; Serial: 1102

Communication System: D6.5GHz; Frequency: 6500.000
Medium: Head Simulating Liquid. Medium parameters used: f= 6500.000 MHz; σ = 6.19 S/m; ϵ_r = 34.0

- DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.2, 4.96, 5.11); Calibrated: 2024-11-20
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn1663; Calibrated: 2025-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
 - Measurement Software: cDASY6 V16.4.0.5005

Area Scan (80.0 mm x 280.0 mm): Measurement Grid: 8.0 mm x 8.0 mm
SAR (1g) = 24.4 W/kg; SAR (10g) = 5.02 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 3.0 mm x 3.0 mm x 1.5 mm
Power Drift = 0.03 dB
SAR (1g) = 27.6 W/kg; SAR (10g) = 5.36 W/kg;
M2/M1 [%]=58.0
Dist 3dB Peak [mm]=4.0



Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
10G Source,	100.0 x 100.0 x 100.0	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, 2025–09–19	DAE4 Sn1663, 2025–04–27

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	2025–10–23
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	181
psPDtot+ [W/m²]	183
psPDmod+ [W/m²]	187
E _{max} [V/m]	299
Power Drift [dB]	0.02

