

Appendix A:SAR System performance Check Plots
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Test Laboratory: CTI SAR Lab

Systemcheck-750-Head**DUT: D750V3 - SN1088; Type: D750V3; Serial: SN1088**

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 750$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 41.907$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7328; ConvF(10.43, 10.43, 10.43) @ 750 MHz; Calibrated: 5/18/2026
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/d=15mm,Pin=250mW/Area Scan (8x15x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 2.38 W/kg

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

Reference Value = 45.68 V/m; Power Drift = -0.05 dB

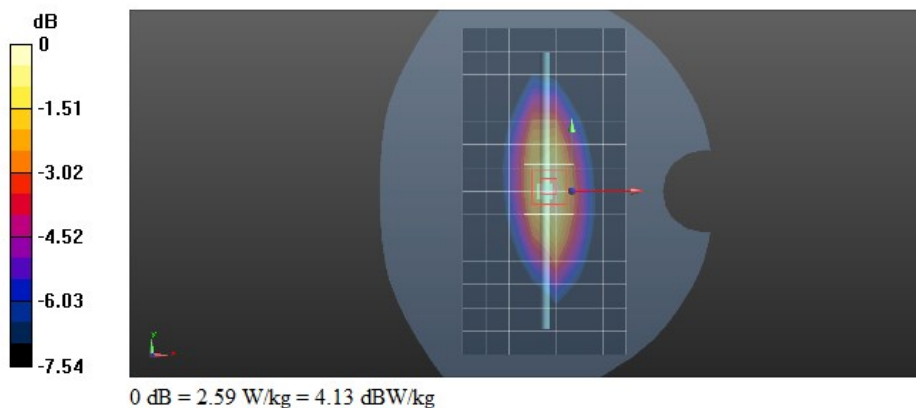
Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.42 W/kg

Smallest distance from peaks to all points 3 dB below = 11.5 mm

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

Maximum value of SAR (measured) = 2.59 W/kg



Test Laboratory: CTI SAR Lab

Systemcheck-835-Head**DUT: D835V2 - SN4d193; Type: D835V2; Serial: SN4d193**

Communication System: UID 0, CW (0); Communication System Band: D835(835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 835$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 40.922$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(9.77, 9.77, 9.77) @ 835 MHz; Calibrated: 4/8/2026
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/d=15mm,Pin=250mW/Area Scan (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 3.28 W/kg

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

Reference Value = 43.91 V/m; Power Drift = 0.16 dB

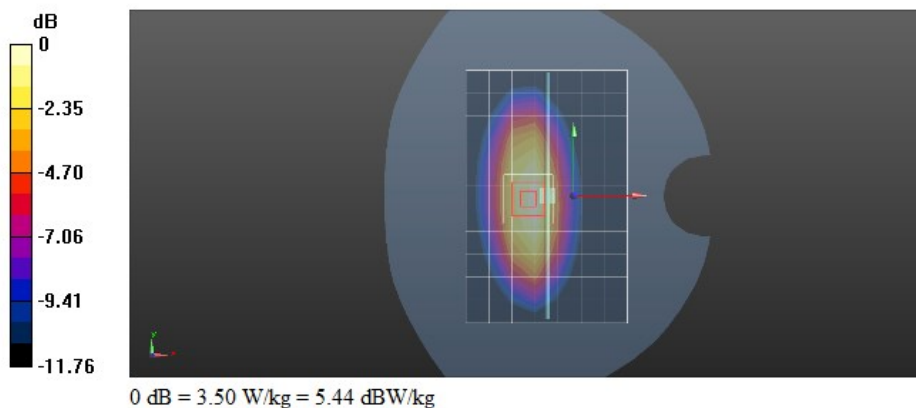
Peak SAR (extrapolated) = 4.17 W/kg

SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.56 W/kg

Smallest distance from peaks to all points 3 dB below = 10.3 mm

Ratio of SAR at M2 to SAR at M1 = 52.8%

Maximum value of SAR (measured) = 3.50 W/kg



Test Laboratory: CTI SAR Lab

Systemcheck 1750-Head**DUT: D1750V2 - SN1134; Type: D1750V2; Serial: SN1134**

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.368$ S/m; $\epsilon_r = 40.275$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(8.55, 8.55, 8.55) @ 1750 MHz; Calibrated: 4/8/2026
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/d=10mm, Pin=250 mW/Area Scan (8x8x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 101.5 V/m; Power Drift = 0.06 dB

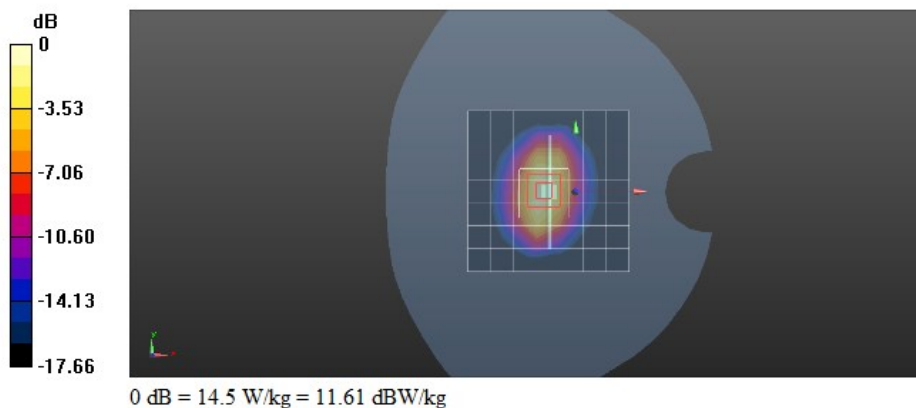
Peak SAR (extrapolated) = 17.7 W/kg

SAR(1 g) = 9.16 W/kg; SAR(10 g) = 4.85 W/kg

Smallest distance from peaks to all points 3 dB below = 10.3 mm

Ratio of SAR at M2 to SAR at M1 = 43.5%

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



Test Laboratory: CTI SAR Lab

Systemcheck 1900-Head**DUT: D1900V2 - SN5d198; Type: D1900V2; Serial: SN5d198**

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1
 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.436$ S/m; $\epsilon_r = 39.06$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7769; ConvF(8.2, 8.2, 8.2) @ 1900 MHz; Calibrated: 4/8/2026
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1458; Calibrated: 1/12/2026
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1875
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/d=10mm, Pin=250 mW/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.9 W/kg

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

Reference Value = 105.7 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 9.96 W/kg; SAR(10 g) = 5.17 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 51.1%

Maximum value of SAR (measured) = 15.9 W/kg

