

Appendix C:Plots of SAR System Check

System Check_Head_750MHz

DUT: Dipole 750 MHz D750V2; Type: D750V2; Serial: 1214

Communication System: UID 0, CW (0); Communication System Band: D750 (750.0 MHz);

Frequency: 750 MHz;

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.90 \text{ S/m}$; $\epsilon_r = 42.23$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(9.82, 10.29, 9.84); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (61x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.22 W/kg

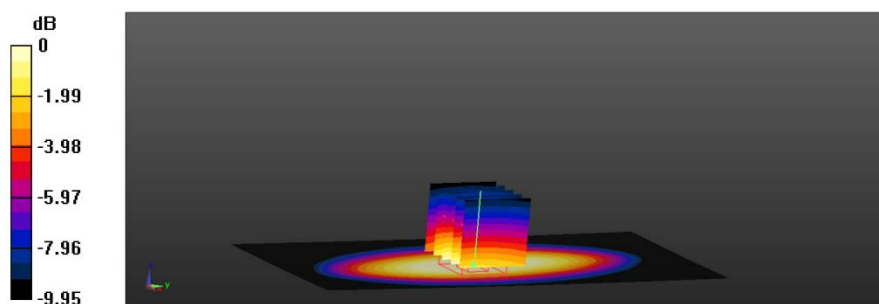
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 51.279 V/m ; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 2.26 W/kg ; SAR(10 g) = 1.06 W/kg

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



System Check_Head_835MHz

DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: 4d164

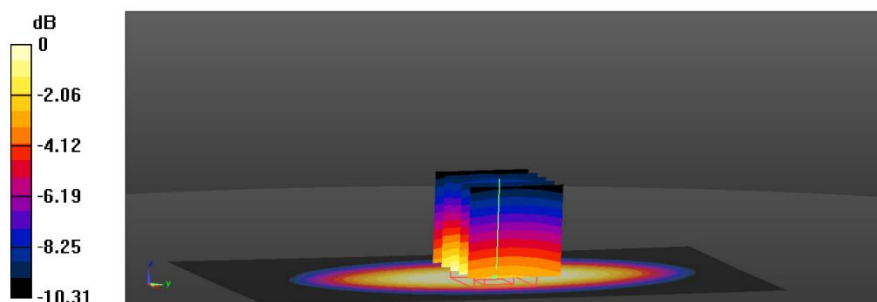
Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz);
Frequency: 835 MHz;
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 41.925$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(9.61, 10.08, 9.63); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (61x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 3.31 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 61.525 V/m ; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 3.71 W/kg
SAR(1 g) = 2.53 W/kg ; SAR(10 g) = 1.62 W/kg
Maximum value of SAR (measured) = 2.86 W/kg



System Check_Head_1750MHz

DUT: Dipole 1750 MHz D1750V2; Type: D1750V2; Serial: 1107

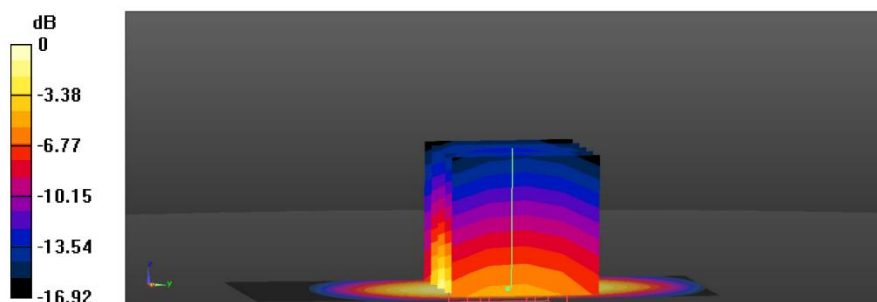
Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz);
Frequency: 1750 MHz;
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 39.479$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(8.02, 8.41, 8.04); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (41x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.84 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 76.850 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 9.09 W/kg
SAR(1 g) = 9.37 W/kg; SAR(10 g) = 3.68 W/kg
Maximum value of SAR (measured) = 10.25 W/kg



System Check_Head_1900MHz

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: 5d089

Communication System: UID 0, CW; Communication System Band: D1900 (1900.0 MHz);

Frequency: 1900 MHz;

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 39.527$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(7.78, 8.16, 7.80); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 22.6 W/kg

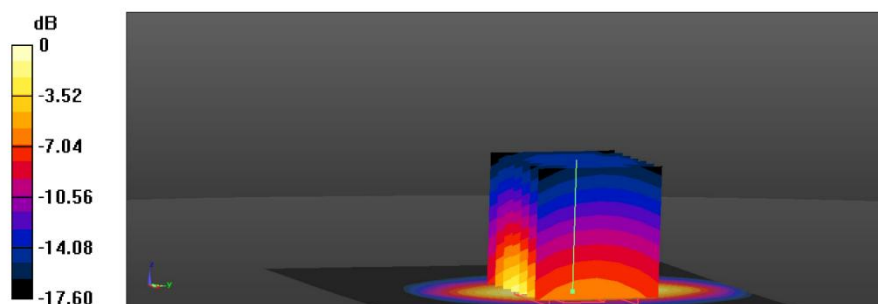
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.855 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 10.08 W/kg; SAR(10 g) = 7.62 W/kg

Maximum value of SAR (measured) = 15.8 W/kg



System Check_Head_2450MHz

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: 1018

Communication System: UID 0, CW; Communication System Band: D2450 (2450.0 MHz);

Frequency: 2450 MHz;

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 39.24$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(7.26, 7.62, 7.28); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 19.7 W/kg

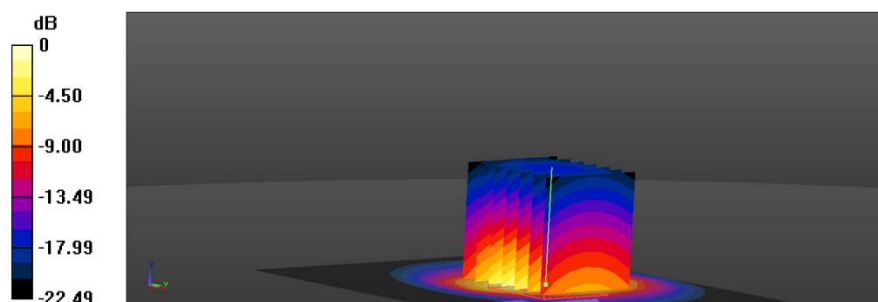
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 80.833 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 25.0 W/kg

SAR(1 g) = 14.45 W/kg; SAR(10 g) = 8.25 W/kg

Maximum value of SAR (measured) = 16.5 W/kg



System Check_Head_2600MHz

DUT: Dipole2600MHz; Type: D2600MHzV2; Serial: D2600MHzV2 - SN:1158

Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz);

Frequency: 2600 MHz;

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.98$ S/m; $\epsilon_r = 38.432$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(7.14, 7.48, 7.15); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

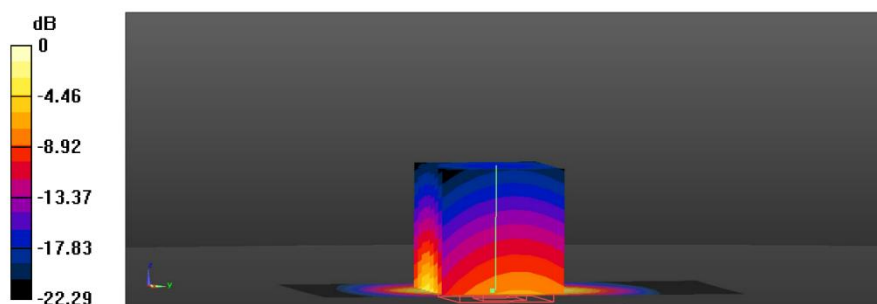
Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 84.278 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 14.72 W/kg; SAR(10 g) = 6.58 W/kg

Maximum value of SAR (measured) = 19.7 W/kg



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System Check_Head_5250MHz

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1093

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5250 MHz;

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.52$ S/m; $\epsilon_r = 35.56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(5.7, 5.98, 5.71); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 16.2 W/kg

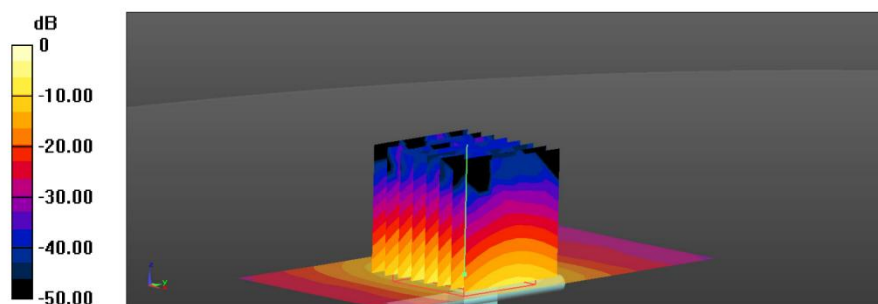
Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 33.719 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 31.4 W/kg

SAR(1 g) = 8.66 W/kg; SAR(10 g) = 3.16 W/kg

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



System Check_Head_5750MHz

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1093

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5750 MHz;

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.39$ S/m; $\epsilon_r = 34.21$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(5.35, 5.61, 5.36); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 16.7 W/kg

Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 18.095 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 38.2 W/kg

SAR(1 g) = 7.89 W/kg; SAR(10 g) = 3.24 W/kg

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

