

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: $f = 750 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 43.08$; $\rho = 1000 \text{ kg/m}^3$

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

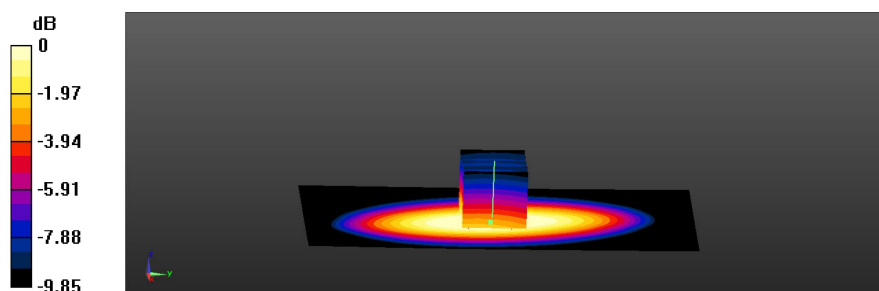
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 50.412 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.12 W/kg

Maximum value of SAR (measured) = 6.12 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; $\sigma = 1.34$ S/m; $\epsilon_r = 41.63$; $\rho = 1000$ 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) = 5.12 W/kg

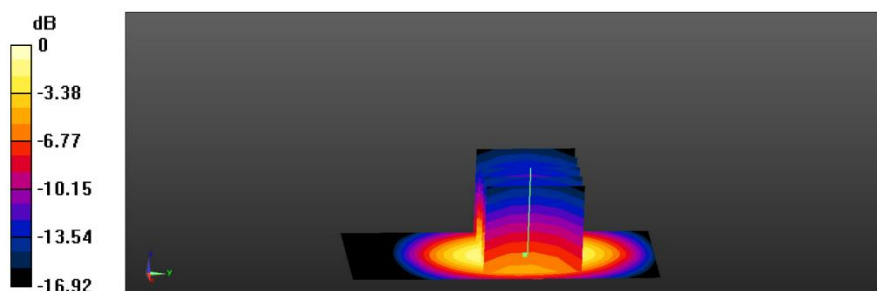
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 75.123 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 8.98 W/kg

SAR(1 g) = 9.66 W/kg; SAR(10 g) = 3.49 W/kg

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



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System Check_Head_1900MHz

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

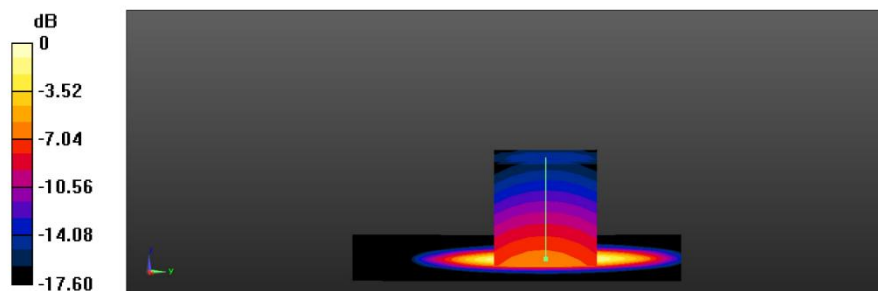
Communication System: UID 0, CW; Communication System Band: D1900 (1900.0 MHz);
Frequency: 1900 MHz;
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.46$ S/m; $\epsilon_r = 40.98$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

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) = 20.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.136 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 28.6 W/kg
SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.13 W/kg
Maximum value of SAR (measured) = 20.6 W/kg



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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; $\sigma = 1.86$ S/m; $\epsilon_r = 40.26$; $\rho = 1000$ 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) = 20.7 W/kg

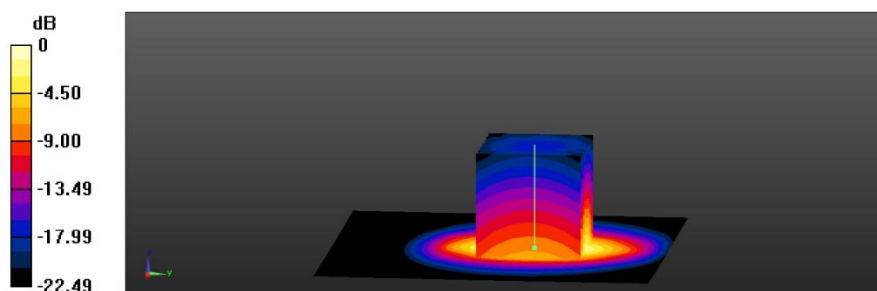
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 79.833 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 23.60 W/kg

SAR(1 g) = 12.65 W/kg; SAR(10 g) = 5.85 W/kg

Maximum value of SAR (measured) = 17.5 W/kg



System Check_Head_2600MHz

DUT: Dipole 2600MHz; Type: D2600MHzV2; Serial: D2600MHzV2 - SN:1158

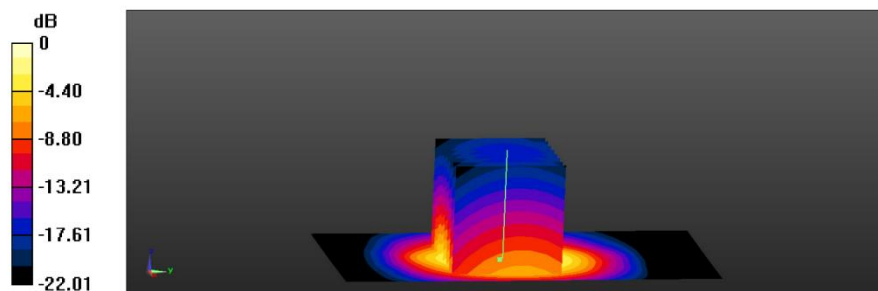
Communication System: UID 0, CW (0); Communication System Band: D2600 (2600.0 MHz);
Frequency: 2600 MHz;
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.05$ S/m; $\epsilon_r = 40.16$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

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) = 21.4 W/kg

Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm
Reference Value = 82.350 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 22.3 W/kg
SAR(1 g) = 12.79 W/kg; SAR(10 g) = 5.89 W/kg
Maximum value of SAR (measured) = 18.2 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; $\sigma = 4.83$ S/m; $\epsilon_r = 37.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(5.70, 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) = 12.5 W/kg

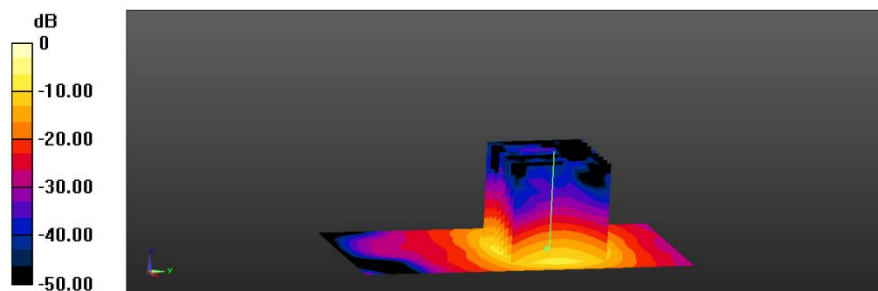
Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 22.777 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 13.5 W/kg

SAR(1 g) = 8.69 W/kg; SAR(10 g) = 3.16 W/kg

Maximum value of SAR (measured) = 13.6 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; $\sigma = 5.06$ S/m; $\epsilon_r = 36.91$; $\rho = 1000$ 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) = 17.7 W/kg

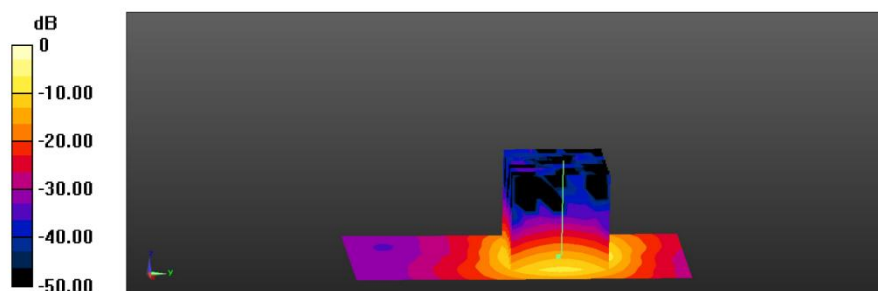
Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=4mm

Reference Value = 18.223 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 36.2 W/kg

SAR(1 g) = 7.46 W/kg; SAR(10 g) = 2.42 W/kg

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



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