

Appendix B:Plots of SAR System Check

Date: 7/9/2026

System Check_Head_1900MHz

Communication System: UID 0, CW (0); Communication System Band: D1900 (1900.0 MHz);
Frequency: 1900 MHz;

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.444 \text{ S/m}$; $\epsilon_r = 40.22$; $\rho = 1000 \text{ kg/m}^3$

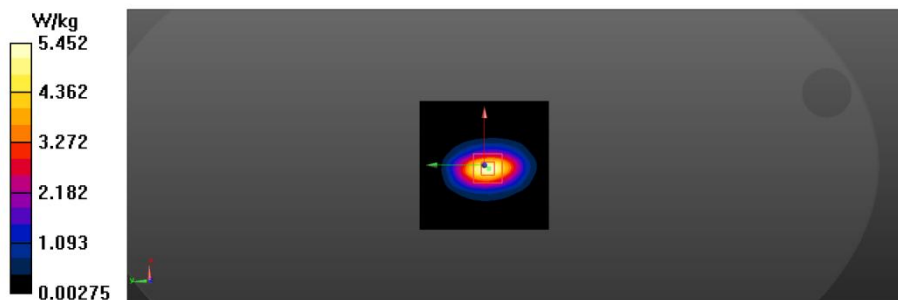
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(7.78, 8.16, 7.8); 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: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$
Maximum value of SAR (interpolated) = 5.45 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 61.462 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 6.65 W/kg
SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.03 W/kg
Maximum value of SAR (measured) = 5.40 W/kg



Date: 7/9/2026

System Check_Head_1750MHz

Communication System: UID 0, CW (0); Communication System Band: D1750 (1750.0 MHz);
Frequency: 1750 MHz;

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 40.25$; $\rho = 1000$ kg/m³

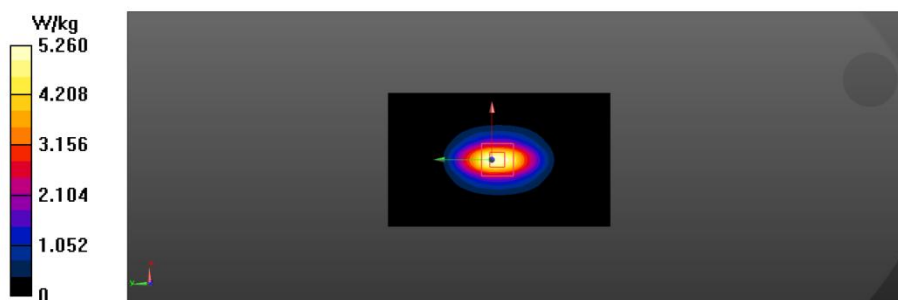
Phantom section: Flat Section

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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.26 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.129 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 6.33 W/kg
SAR(1 g) = 3.72 W/kg; SAR(10 g) = 2.01 W/kg
Maximum value of SAR (measured) = 5.19 W/kg



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Date: 8/9/2026

System Check_Head_835MHz

Communication System: UID 0, CW (0); Communication System Band: D835 (835.0 MHz);
Frequency: 835 MHz;

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.937 \text{ S/m}$; $\epsilon_r = 41.588$; $\rho = 1000 \text{ kg/m}^3$

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) = 1.25 W/kg

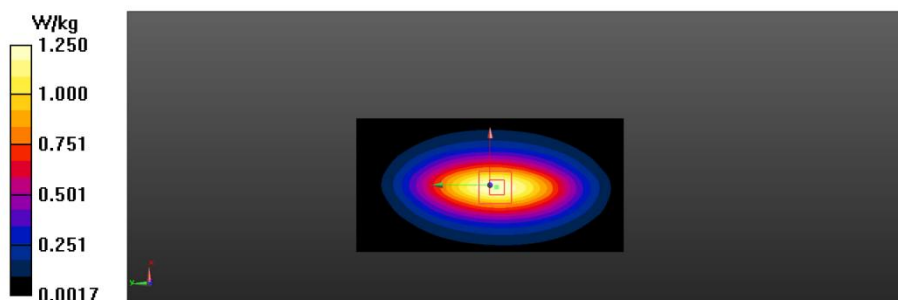
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 37.799 V/m ; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 1.01 W/kg ; SAR(10 g) = 0.651 W/kg

Maximum value of SAR (measured) = 1.25 W/kg



Date: 8/9/2026

System Check_Head_2450MHz

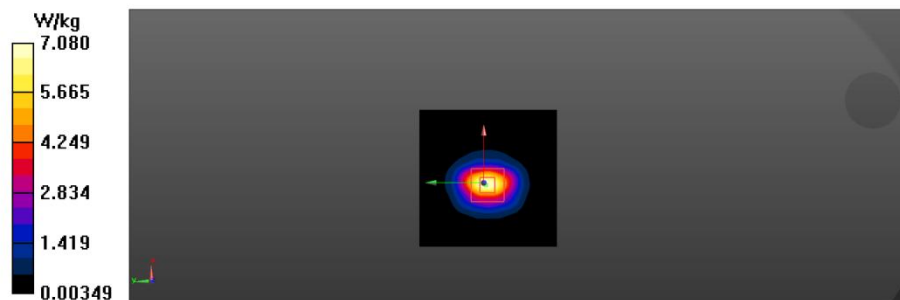
Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz);
Frequency: 2450 MHz;
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.81$ S/m; $\epsilon_r = 38.879$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

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 (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.08 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 65.608 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 9.53 W/kg
SAR(1 g) = 4.89 W/kg; SAR(10 g) = 2.31 W/kg
Maximum value of SAR (measured) = 7.34 W/kg



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