

Appendix C:Plots of SAR System Check

Date/Time: 19/5/2026 09:49:18

System Check_Head_900MHz

Communication System: UID 0, CW (0); Communication System Band: D900 (900.0 MHz);
Frequency: 900 MHz;

Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.004 \text{ S/m}$; $\epsilon_r = 42.068$; $\rho = 1000 \text{ kg/m}^3$

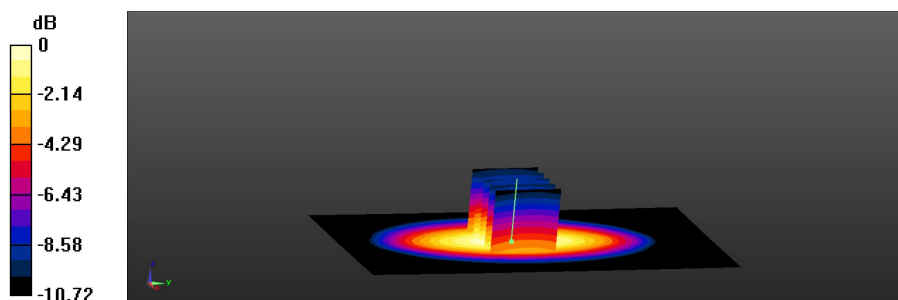
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(9.45, 9.9, 9.47); 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) = 3.11 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 57.311 V/m ; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 3.56 W/kg
SAR(1 g) = 2.49 W/kg ; SAR(10 g) = 1.63 W/kg
Maximum value of SAR (measured) = 3.11 W/kg



Date/Time: 20/5/2026 09:37:10

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; $\sigma = 1.845$ S/m; $\epsilon_r = 39.219$; $\rho = 1000$ 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) = 8.62 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 107.1 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 12.30 W/kg
SAR(1 g) = 5.31 W/kg; SAR(10 g) = 2.65 W/kg
Maximum value of SAR (measured) = 7.91 W/kg

