

Appendix C:Plots of SAR System Check

Date/Time: 23/5/2026 9:15:29

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; $\sigma = 1.873$ S/m; $\epsilon_r = 38.63$; $\rho = 1000$ kg/m³

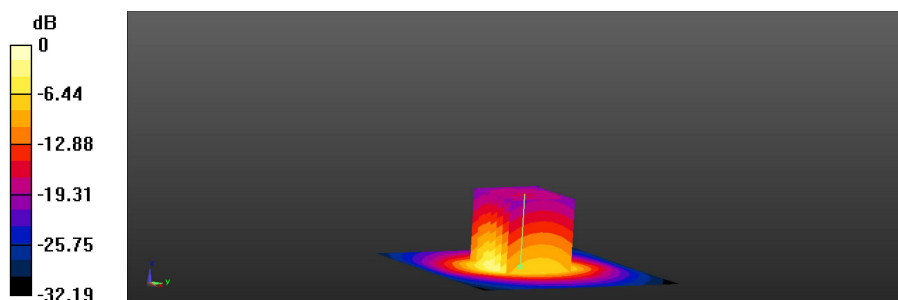
Phantom section: Flat Section

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) = 8.07 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 67.316 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 11.0 W/kg
SAR(1 g) = 5.56 W/kg; SAR(10 g) = 2.58 W/kg
Maximum value of SAR (measured) = 8.42 W/kg



Date/Time: 24/5/2026 9:36:28

System Check_Head_5250MHz

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.911$ S/m; $\epsilon_r = 35.588$; $\rho = 1000$ 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 (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 18.4 W/kg

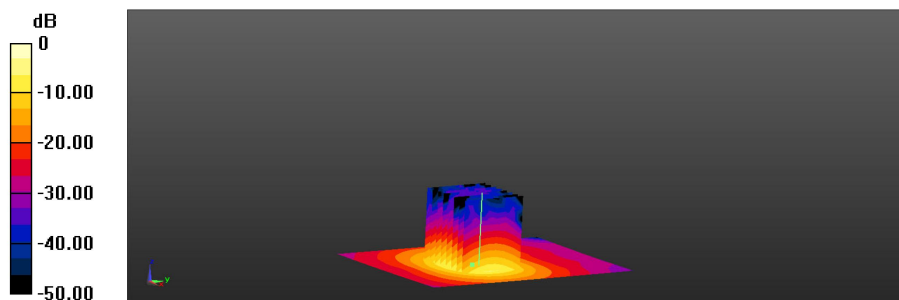
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=5mm

Reference Value = 56.848 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 38.2 W/kg

SAR(1 g) = 8.9 W/kg; SAR(10 g) = 2.61 W/kg

Maximum value of SAR (measured) = 17.1 W/kg



Date/Time: 25/5/2026 9:47:30

System Check_Head_5750MHz

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.487$ S/m; $\epsilon_r = 35.797$; $\rho = 1000$ 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 (71x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 15.7 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=5mm

Reference Value = 54.987 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 35.7 W/kg

SAR(1 g) = 7.05 W/kg; SAR(10 g) = 1.99 W/kg

Maximum value of SAR (measured) = 13.7 W/kg

