

Appendix C:Plots of SAR System Check

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; $\sigma = 1.889$ S/m; $\epsilon_r = 38.678$; $\rho = 1000$ 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) = 18.3 W/kg

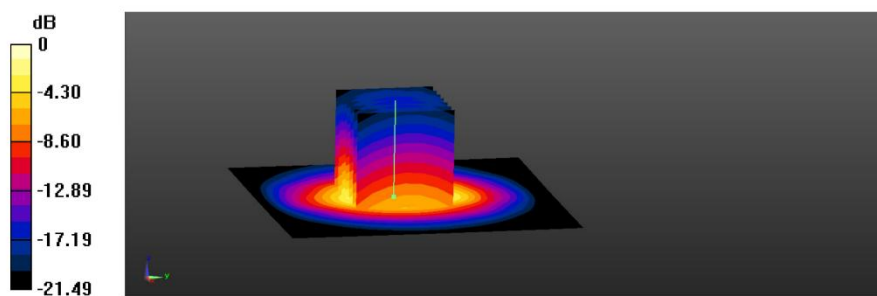
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 99.151 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 23.6 W/kg

SAR(1 g) = 12.4 W/kg; SAR(10 g) = 6.01 W/kg

Maximum value of SAR (measured) = 18.2 W/kg



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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; $\sigma = 4.858$ S/m; $\epsilon_r = 35.817$; $\rho = 1000$ 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) = 17.6 W/kg

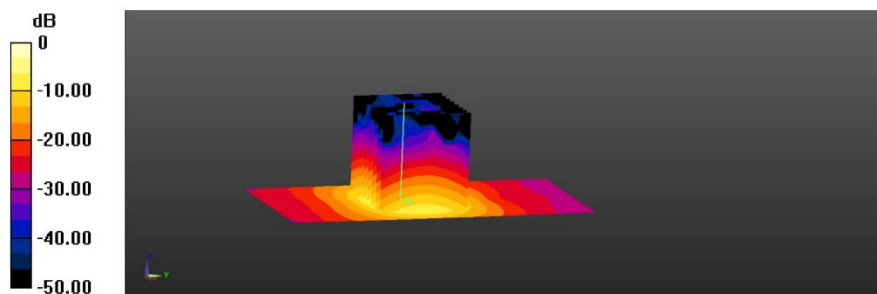
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=5mm

Reference Value = 55.904 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 36.6 W/kg

SAR(1 g) = 8.6 W/kg; SAR(10 g) = 2.5 W/kg

Maximum value of SAR (measured) = 16.4 W/kg



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System Check_Head_5600MHz

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz;

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.154$ S/m; $\epsilon_r = 35.357$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(5.29, 5.54, 5.3); 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) = 18.6 W/kg

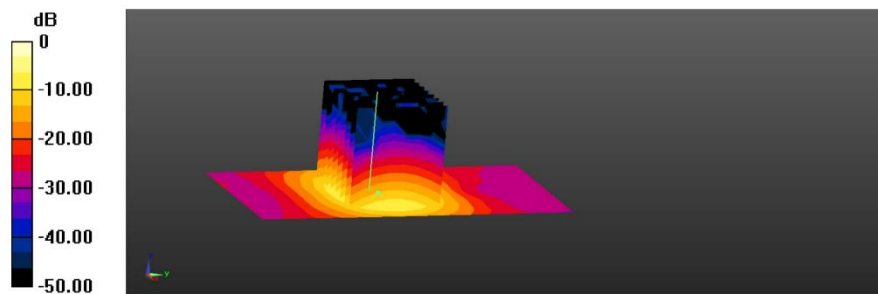
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=5mm

Reference Value = 57.930 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 41.5 W/kg

SAR(1 g) = 8.74 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 16.8 W/kg



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; $\sigma = 5.385$ S/m; $\epsilon_r = 35.448$; $\rho = 1000$ 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 (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

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

Reference Value = 56.787 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 41.6 W/kg

SAR(1 g) = 8.47 W/kg; SAR(10 g) = 2.43 W/kg

Maximum value of SAR (measured) = 16.6 W/kg

