

APPENDIX A: SYSTEM CHECKING SCANS

Dipole2450V2

Communication System: UID 0, CW; Communication System Band: D2450 (2450.0 MHz);

Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.87$ S/m; $\epsilon_r = 39.46$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(7.83, 7.83, 7.83) @ 2450 MHz; Calibrated: 2025-04-24
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1637; Calibrated: 2025-10-21
- Phantom: SAM3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole2450/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 110.8 V/m; Power Drift = -0.18 dB

Fast SAR: SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.09 W/kg

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

Head/Dipole2450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 110.8 V/m; Power Drift = -0.18 dB

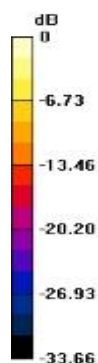
Peak SAR (extrapolated) = 28.1 W/kg

SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.05 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 47.8%

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



$$0 \text{ dB} = 16.4 \text{ W/kg} = 12.16 \text{ dBW/kg}$$

Dipole 5.2GV2

Communication System: UID 0, CW (0); Communication System Band: CW5250;

Frequency: 5250 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.66$ S/m; $\epsilon_r = 36.08$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(5.48, 5.48, 5.48) @ 5250 MHz; Calibrated: 2025-04-24
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2025-10-21
- Phantom: SAM3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head5.3/5.250G 3/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 66.22 V/m; Power Drift = -0.10 dB

Fast SAR: SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.30 W/kg

Maximum value of SAR (interpolated) = 9.96 W/kg

Head5.3/5.250G 3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 66.22 V/m; Power Drift = -0.10 dB

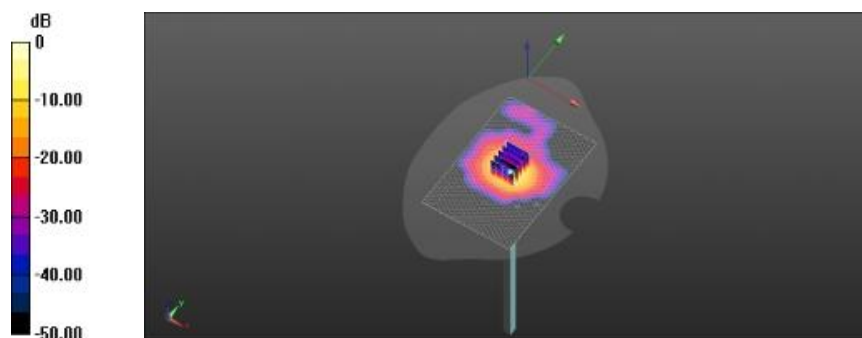
Peak SAR (extrapolated) = 32.2 W/kg

SAR(1 g) = 7.79 W/kg; SAR(10 g) = 2.24 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 66.4%

Maximum value of SAR (measured) = 9.71 W/kg



$$0 \text{ dB} = 9.96 \text{ W/kg} = 9.98 \text{ dBW/kg}$$

Dipole 5.75GV2

Communication System: UID 0, CW (0); Communication System Band: CW5750;
Frequency: 5750 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: $f = 5750$ MHz; $\sigma = 5.15$ S/m; $\epsilon_r = 35.76$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(4.99, 4.99, 4.99) @ 5750 MHz; Calibrated: 2025-04-24
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2025-10-21
- Phantom: SAM3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head5.8/5.75G 4/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 63.57 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 7.93 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (interpolated) = 10.1 W/kg

Head5.8/5.75G 4/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 63.57 V/m; Power Drift = -0.17 dB

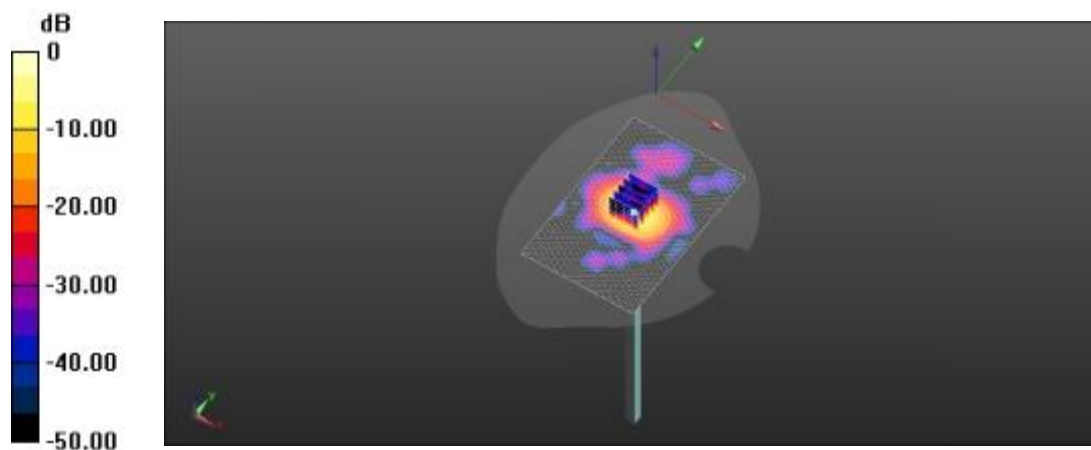
Peak SAR (extrapolated) = 37.1 W/kg

SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.19 W/kg

Smallest distance from peaks to all points 3 dB below = 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 59.4%

Maximum value of SAR (measured) = 9.71 W/kg



0 dB = 10.1 W/kg = 10.03 dBW/kg

Dipole2450V2

Communication System: UID 0, CW; Communication System Band: D2450 (2450.0 MHz);

Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 38.57$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(7.4, 7.4, 7.4) @ 2450 MHz; Calibrated: 2026-03-17
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2026-03-17
- Phantom: **SAM3**; Type: QD 000 P41 AA;
- DASY52 **52.10.4(1527)**; **SEMCAD** X 14.6.14(7483)

Head/Dipole2450/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 104.7 V/m; Power Drift = -0.18 dB

Fast SAR: SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.78 W/kg

Maximum value of SAR (interpolated) = 15.5 W/kg

Head/Dipole2450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 104.7 V/m; Power Drift = -0.18 dB

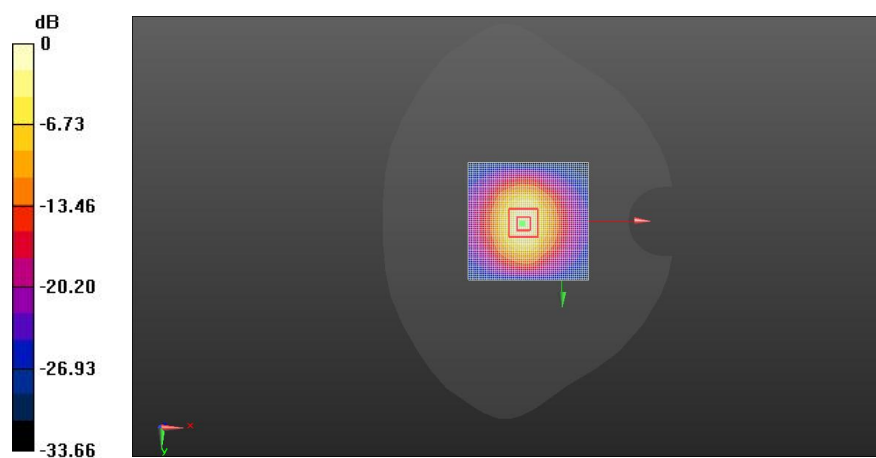
Peak SAR (extrapolated) = 26.6 W/kg

SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.73 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 46.9%

Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.5 W/kg = 11.90 dBW/kg