

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; $\sigma = 1.82$ S/m; $\epsilon_r = 39.10$; $\rho = 1000$ 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 = 107.2 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.88 W/kg

Maximum value of SAR (interpolated) = 16.3 W/kg

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

Reference Value = 107.2 V/m; Power Drift = 0.06 dB

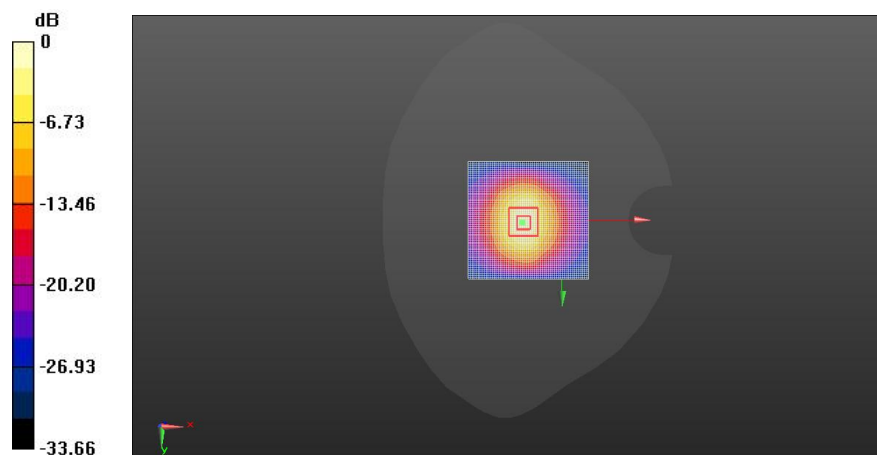
Peak SAR (extrapolated) = 27.1 W/kg

SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.85 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.4%

Maximum value of SAR (measured) = 16.2 W/kg



0 dB = 16.3 W/kg = 12.12 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; $\sigma = 4.79$ S/m; $\epsilon_r = 36.35$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (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 Sn1637; Calibrated: 2025-10-21
- Phantom: SAM3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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

Reference Value = 63.67 V/m; Power Drift = 0.00 dB

Fast SAR: SAR(1 g) = 7.54 W/kg; SAR(10 g) = 2.19 W/kg

Maximum value of SAR (interpolated) = 9.47 W/kg

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

Reference Value = 63.67 V/m; Power Drift = 0.00 dB

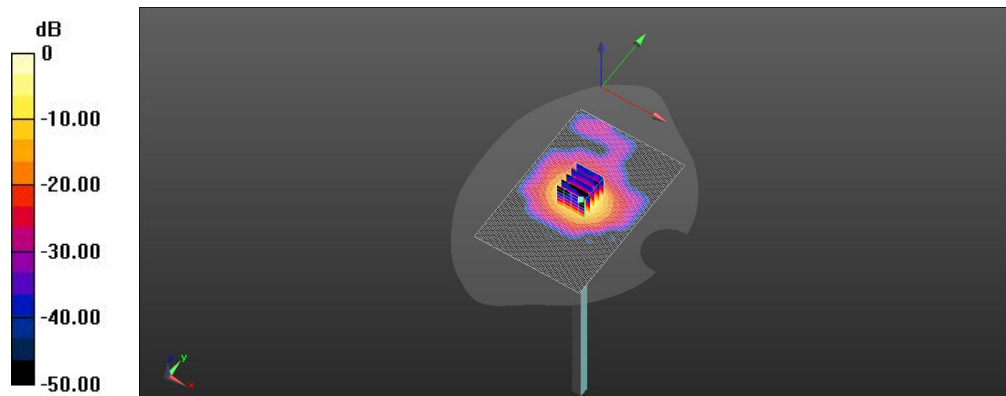
Peak SAR (extrapolated) = 31.0 W/kg

SAR(1 g) = 7.49 W/kg; SAR(10 g) = 2.13 W/kg

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 63.5%

Maximum value of SAR (measured) = 9.33 W/kg



$$0 \text{ dB} = 9.47 \text{ W/kg} = 9.76 \text{ dBW/kg}$$

Dipole 5.6GV2

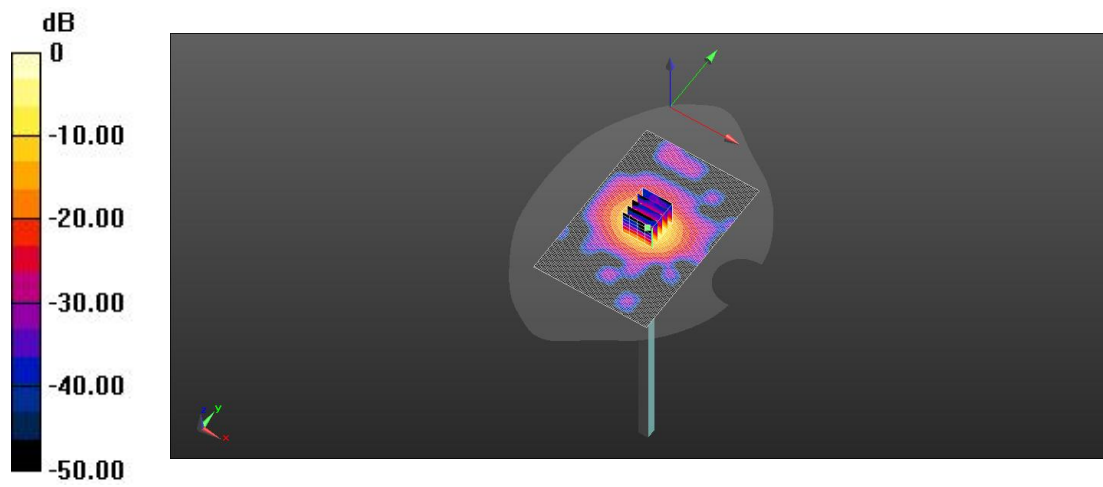
Communication System: UID 0, CW (0); Communication System Band: CW5600;
Frequency: 5600 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.19$ S/m; $\epsilon_r = 35.06$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(4.89, 4.89, 4.89) @ 5600 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;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head5.6/5.6G/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Reference Value = 64.85 V/m; Power Drift = 0.16 dB
Fast SAR: SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.34 W/kg
Maximum value of SAR (interpolated) = 10.4 W/kg

Head5.6/5.6G/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 64.85 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 36.5 W/kg
SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.26 W/kg
Smallest distance from peaks to all points 3 dB below = 7.0 mm
Ratio of SAR at M2 to SAR at M1 = 60.2%
Maximum value of SAR (measured) = 9.98 W/kg



0 dB = 10.4 W/kg = 10.17 dBW/kg