

APPENDIX A: SYSTEM CHECKING SCANS

Dipole750V2

Communication System: UID 0, CW; Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 755$ MHz; $\sigma = 0.9$ S/m; $\epsilon_r = 41.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(10.6, 10.6, 10.6) @ 750 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 750/Area Scan (61x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 53.44 V/m; Power Drift = 0.11 dB

Fast SAR: SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.36 W/kg

Maximum value of SAR (interpolated) = 2.68 W/kg

Head/Dipole 750/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 53.44 V/m; Power Drift = 0.11 dB

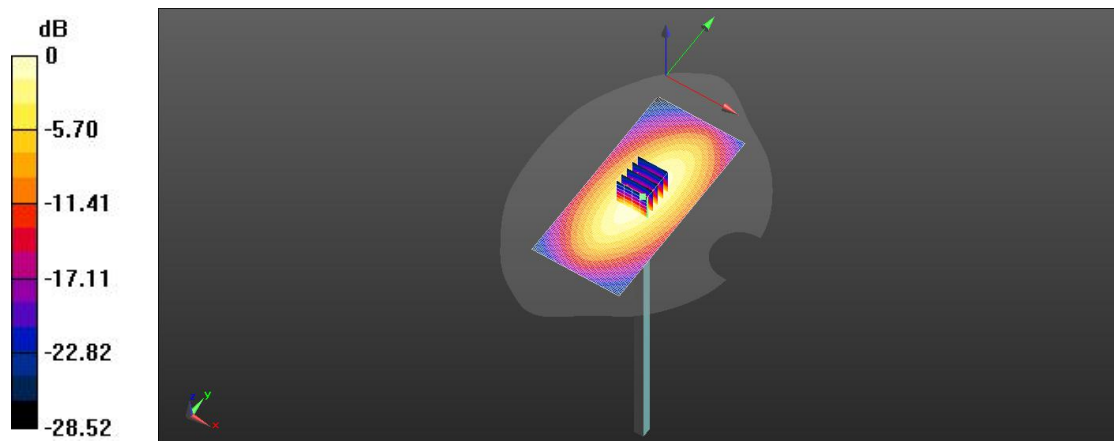
Peak SAR (extrapolated) = 2.93 W/kg

SAR(1 g) = 2 W/kg; SAR(10 g) = 1.33 W/kg

Smallest distance from peaks to all points 3 dB below = 23.4 mm

Ratio of SAR at M2 to SAR at M1 = 62.2%

Maximum value of SAR (measured) = 2.67 W/kg



0 dB = 2.68 W/kg = 4.28 dBW/kg

Dipole835V2

Communication System: UID 0, CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 42.07$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 –SN7623; ConvF(10.21, 10.21, 10.21) @ 835 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 835/Area Scan (61x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 59.85 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.56 W/kg

Maximum value of SAR (interpolated) = 3.16 W/kg

Head/Dipole 835/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 59.85 V/m; Power Drift = -0.04 dB

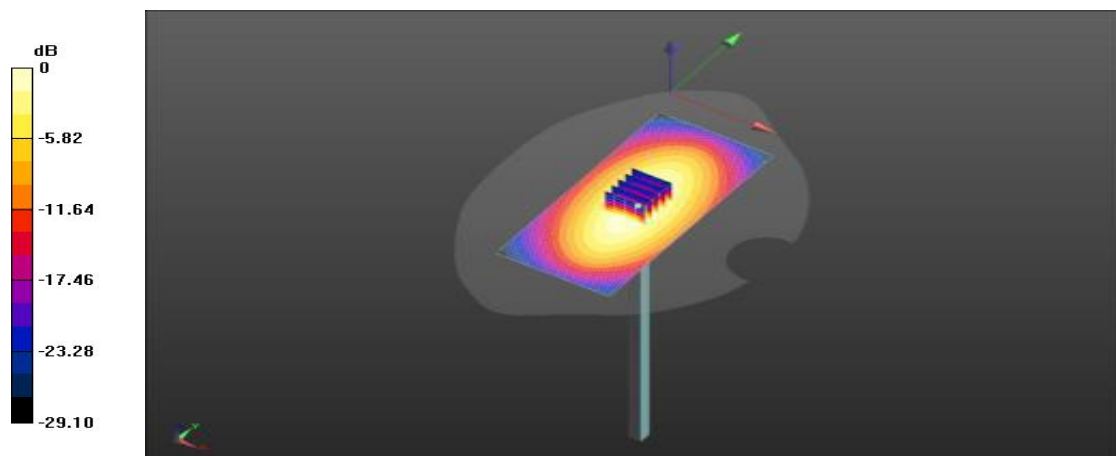
Peak SAR (extrapolated) = 3.64 W/kg

SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.53 W/kg

Smallest distance from peaks to all points 3 dB below = 17.8 mm

Ratio of SAR at M2 to SAR at M1 = 63.9%

Maximum value of SAR (measured) = 3.03 W/kg



0 dB = 3.16 W/kg = 4.99 dBW/kg

Dipole900V2

Communication System: UID 0, CW; Communication System Band: D900 (900.0 MHz); Frequency: 900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 900$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 42.17$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(10.21, 10.21, 10.21) @ 900 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 900/Area Scan (61x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 61.84 V/m; Power Drift = -0.15 dB

Fast SAR: SAR(1 g) = 2.82 W/kg; SAR(10 g) = 1.8 W/kg

Maximum value of SAR (interpolated) = 3.67 W/kg

Head/Dipole 900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 61.84 V/m; Power Drift = -0.15 dB

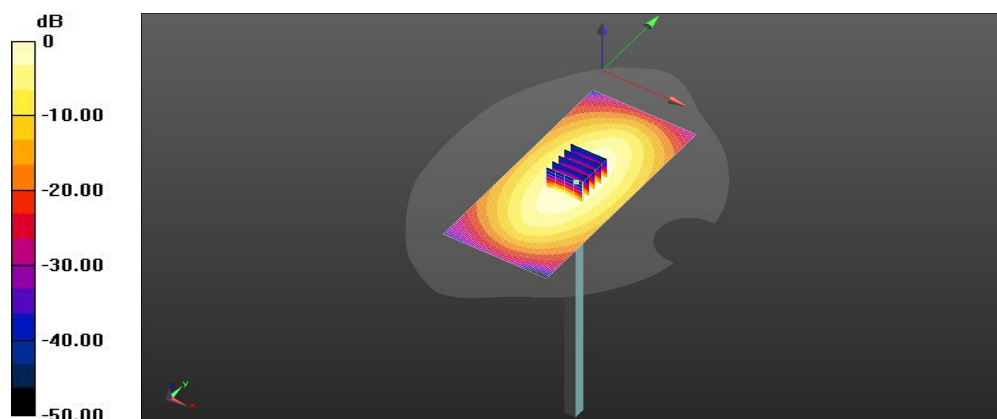
Peak SAR (extrapolated) = 4.26 W/kg

SAR(1 g) = 2.67 W/kg; SAR(10 g) = 1.73 W/kg

Smallest distance from peaks to all points 3 dB below = 16.6 mm

Ratio of SAR at M2 to SAR at M1 = 63.0%

Maximum value of SAR (measured) = 3.46 W/kg



0 dB = 3.67 W/kg = 5.65 dBW/kg

Dipole 1750V2

Communication System: UID 0,CW; Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 39.49$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(8.65, 8.65, 8.65) @ 1750 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 1750/Area Scan (61x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 97.84 V/m; Power Drift = 0.16 dB

Fast SAR: SAR(1 g) = 9.34 W/g; SAR(10 g) = 5 W/g

Maximum value of SAR (interpolated) = 11.9 W/kg

Head/Dipole 1750/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 97.84 V/m; Power Drift = 0.16 dB

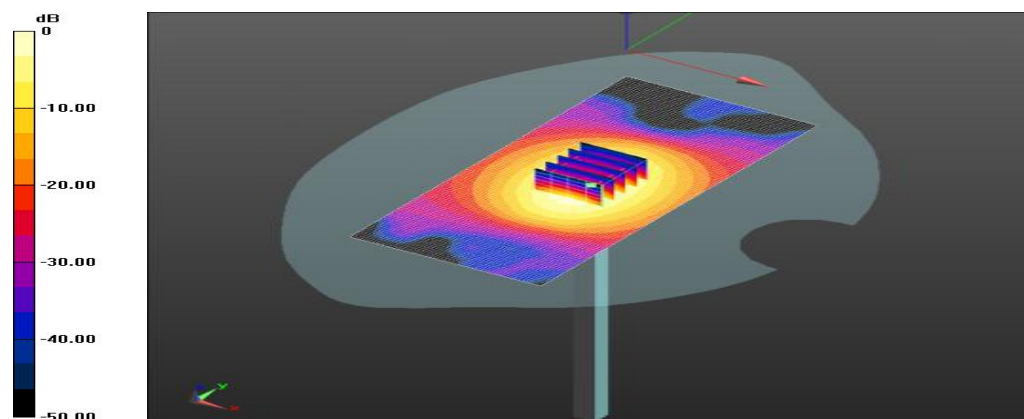
Peak SAR (extrapolated) = 17.3 W/g

SAR(1 g) = 9.21 W/g; SAR(10 g) = 4.96 W/g

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 11.8 W/kg



0 dB = 11.9 W/kg = 10.77 dB W/kg

Dipole1900V2

Communication System: UID 0, CW; Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.37$ S/m; $\epsilon_r = 39.98$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(8.34, 8.34, 8.34) @ 1900 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 1900/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 106.0 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.18 W/kg

Maximum value of SAR (interpolated) = 13.0 W/kg

Head/Dipole 1900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 106.0 V/m; Power Drift = -0.12 dB

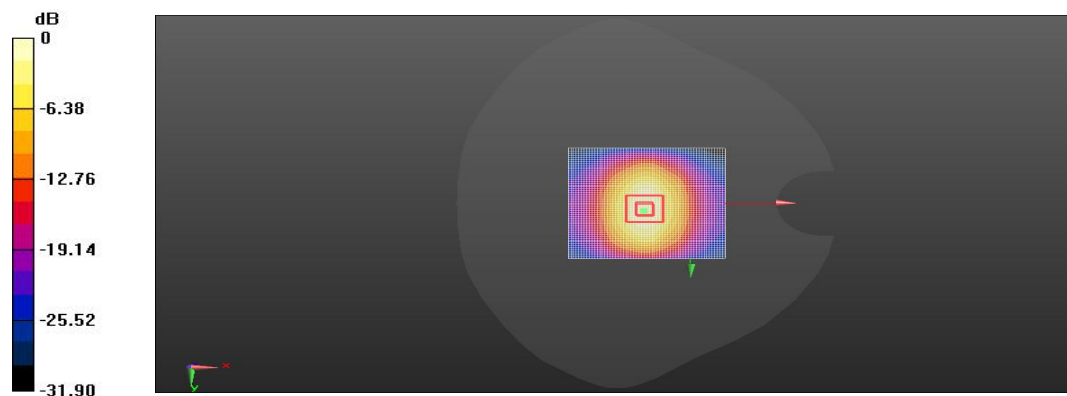
Peak SAR (extrapolated) = 19.6 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.14 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 52.2%

Maximum value of SAR (measured) = 12.6 W/kg



0 dB = 13.0 W/kg = 11.15 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; $\sigma = 1.78$ S/m; $\epsilon_r = 39.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(7.88, 7.88, 7.88) @ 2450 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 2450/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 106.7 V/m; Power Drift = -0.10 dB

Fast SAR: SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.89 W/kg

Maximum value of SAR (interpolated) = 16.1 W/kg

Head/Dipole 2450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 106.7 V/m; Power Drift = -0.10 dB

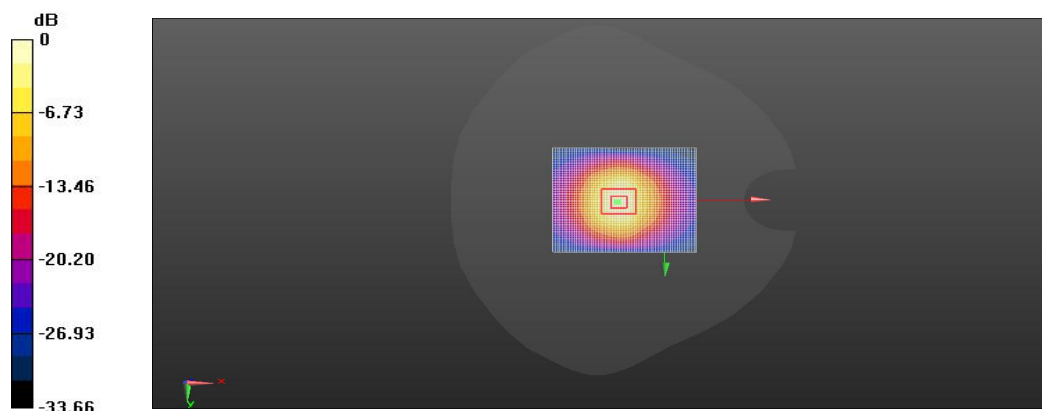
Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.84 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 47.3%

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



0 dB = 16.1 W/kg = 12.06 dBW/kg

Dipole2600V2

Communication System: UID 0, CW; Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.96$ S/m; $\epsilon_r = 39.52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(7.62, 7.62, 7.62) @ 2600 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 2600/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 97.08 V/m; Power Drift = 0.13 dB

Fast SAR: SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.18 W/kg

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

Head/Dipole 2600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 97.08 V/m; Power Drift = 0.13 dB

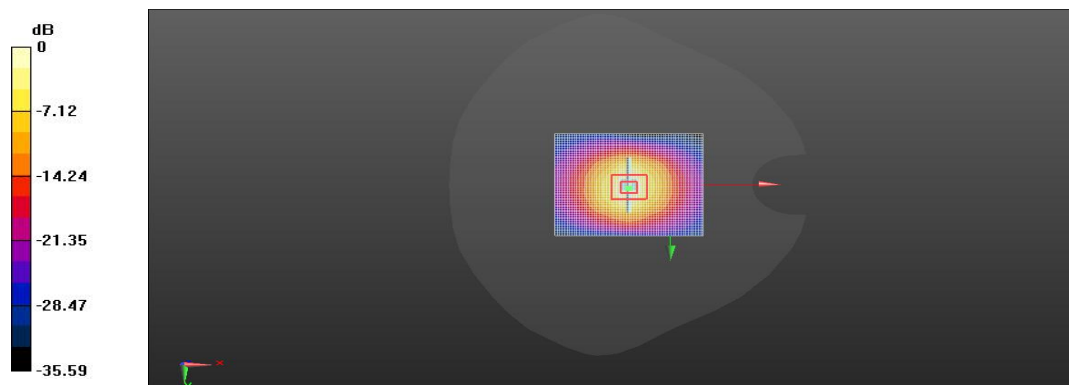
Peak SAR (extrapolated) = 29.6 W/kg

SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.14 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 45.4%

Maximum value of SAR (measured) = 16.9 W/kg



0 dB = 17.5 W/kg = 12.43 dBW/kg

Dipole 5.2GV2

Communication System: UID 0, CW; Communication System Band: CW5250; Frequency: 5250 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.5$ S/m; $\epsilon_r = 36.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(5.53, 5.53, 5.53) @ 5250 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 5.25G/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 63.23 V/m; Power Drift = -0.14 dB

Fast SAR: SAR(1 g) = 7.5 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (interpolated) = 9.51 W/kg

Head/Dipole 5.25G/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 63.23 V/m; Power Drift = -0.14 dB

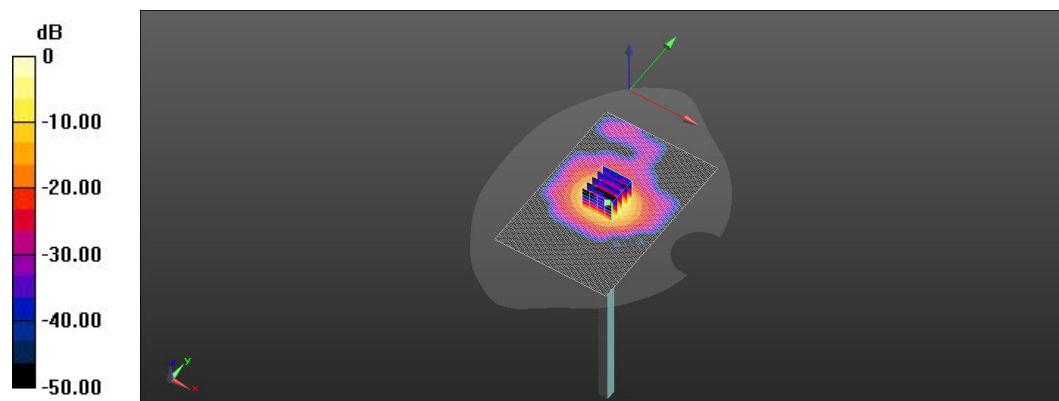
Peak SAR (extrapolated) = 30.6 W/kg

SAR(1 g) = 7.4 W/kg; SAR(10 g) = 2.09 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 64.7%

Maximum value of SAR (measured) = 9.26 W/kg



0 dB = 9.51 W/kg = 9.78 dBW/kg

Dipole 5.6GV2

Communication System: UID 0, CW; Communication System Band: CW5600; Frequency: 5600

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.08$ S/m; $\epsilon_r = 35.55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(4.93, 4.93, 4.93) @ 5600 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 5.6G/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 62.61 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (interpolated) = 9.8 W/kg

Head/Dipole 5.6G/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 62.61 V/m; Power Drift = 0.04 dB

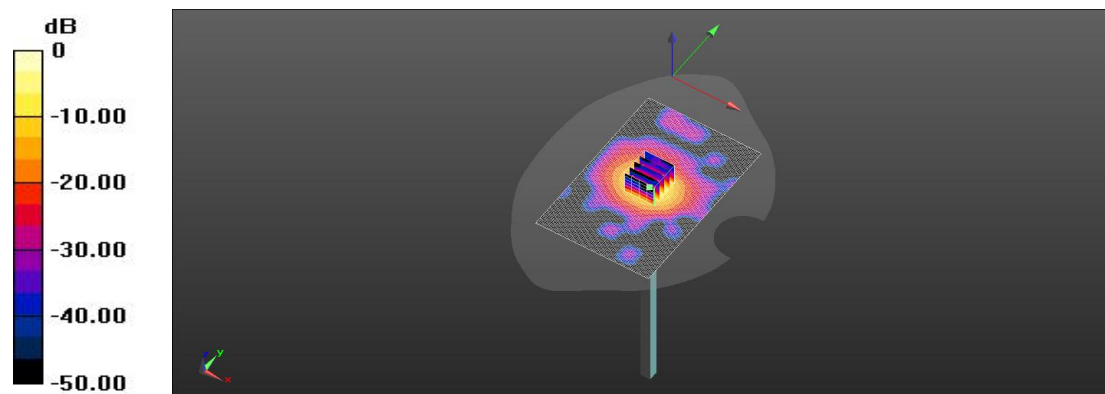
Peak SAR (extrapolated) = 35.2 W/kg

SAR(1 g) = 7.77 W/kg; SAR(10 g) = 2.2 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 63.2%

Maximum value of SAR (measured) = 9.6 W/kg



0 dB = 9.8 W/kg = 9.92 dBW/kg

Dipole 5.75GV2

Communication System: UID 0, CW; Communication System Band: CW5750; Frequency: 5750

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

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.44$ S/m; $\epsilon_r = 35.17$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(5.03, 5.03, 5.03) @ 5750 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 5.75G/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 62.91 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.22 W/kg

Maximum value of SAR (interpolated) = 9.82 W/kg

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

Reference Value = 62.91 V/m; Power Drift = 0.03 dB

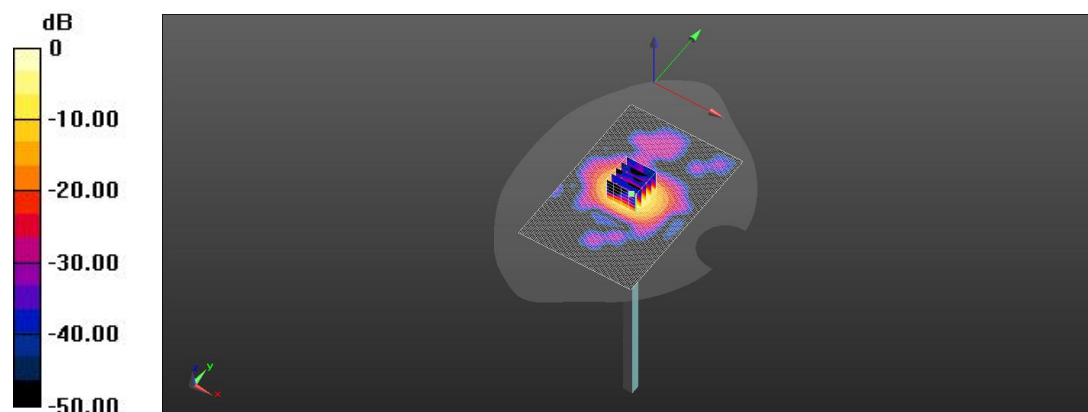
Peak SAR (extrapolated) = 36.6 W/kg

SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.2 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 58.4%

Maximum value of SAR (measured) = 9.83 W/kg



0 dB = 9.82 W/kg = 9.92 dBW/kg

Dipole750V2

Communication System: UID 0, CW; Communication System Band: D750 (750.0 MHz); Frequency: 750 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 755$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 42.18$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(10.6, 10.6, 10.6) @ 750 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 750/Area Scan (61x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 54.63 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.42 W/kg

Maximum value of SAR (interpolated) = 2.78 W/kg

Head/Dipole 750/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 54.63 V/m; Power Drift = 0.04 dB

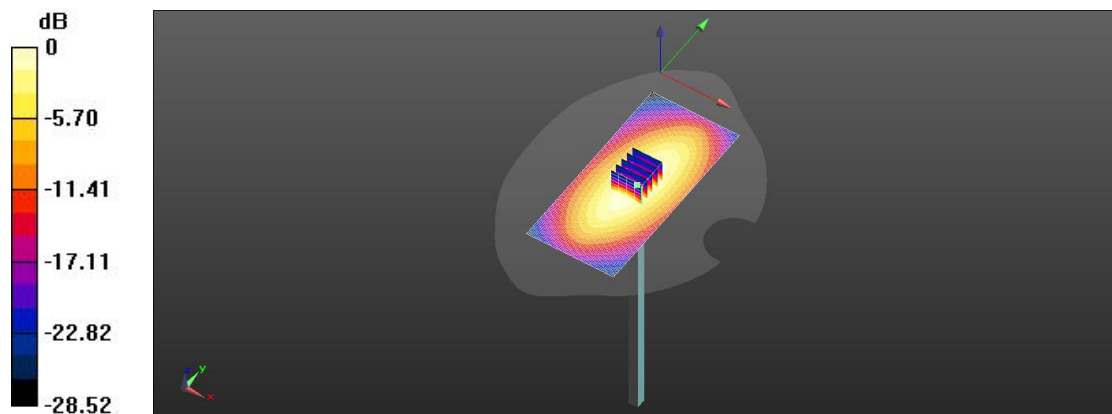
Peak SAR (extrapolated) = 3.06 W/kg

SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.39 W/kg

Smallest distance from peaks to all points 3 dB below = 23.6 mm

Ratio of SAR at M2 to SAR at M1 = 64.0%

Maximum value of SAR (measured) = 2.78 W/kg



0 dB = 2.78 W/kg = 4.44 dBW/kg

Dipole835V2

Communication System: UID 0, CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 41.88$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 –SN7623; ConvF(10.21, 10.21, 10.21) @ 835 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 835/Area Scan (61x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 58.46 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.53 W/kg

Maximum value of SAR (interpolated) = 3.18 W/kg

Head/Dipole 835/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 58.46 V/m; Power Drift = 0.04 dB

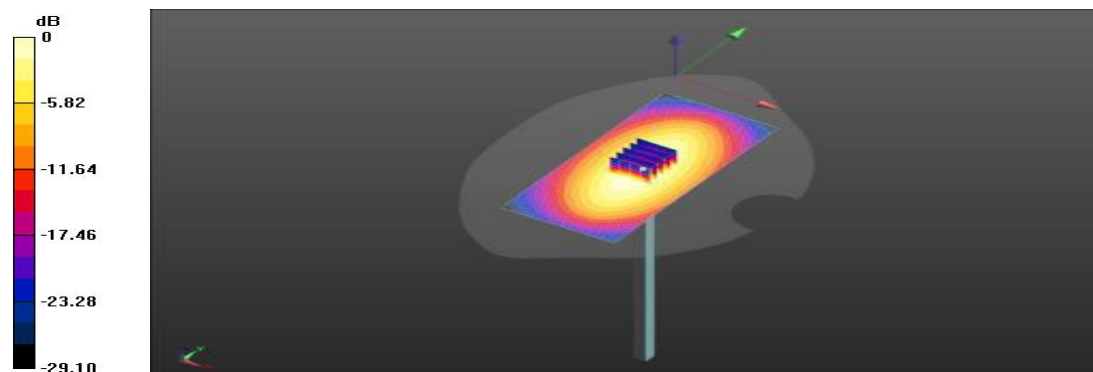
Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 2.31 W/kg; SAR(10 g) = 1.47 W/kg

Smallest distance from peaks to all points 3 dB below = 18.4 mm

Ratio of SAR at M2 to SAR at M1 = 63.3%

Maximum value of SAR (measured) = 2.99 W/kg



0 dB = 3.18 W/kg = 5.03 dBW/kg

Dipole 1750V2

Communication System: UID 0,CW; Communication System Band: D1750 (1750.0 MHz); Frequency: 1750 MHz;Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 39.34$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(8.65, 8.65, 8.65) @ 1750 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 1750/Area Scan (61x131x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 94.85 V/m; Power Drift = 0.09 dB

Fast SAR: SAR(1 g) = 9.07 W/g; SAR(10 g) = 4.81 W/g

Maximum value of SAR (interpolated) = 11.7 W/kg

Head/Dipole 1750/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 94.85 V/m; Power Drift = 0.09 dB

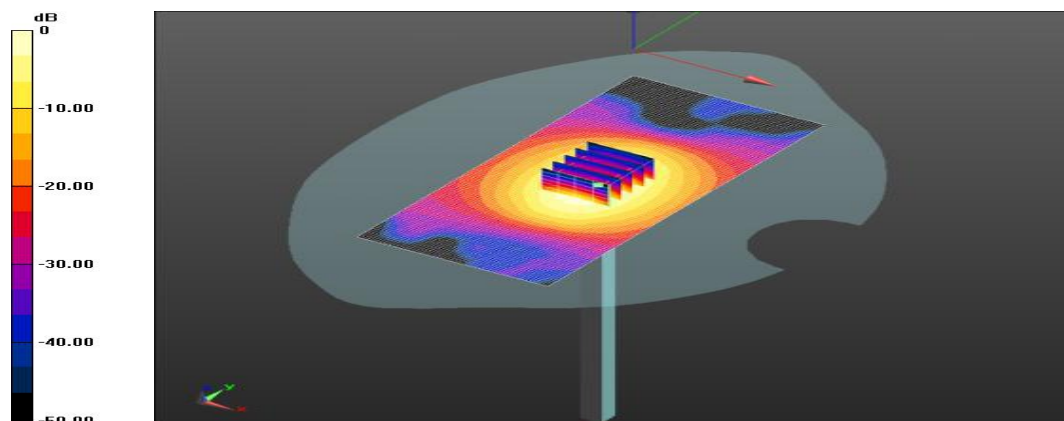
Peak SAR (extrapolated) = 16.7 W/g

SAR(1 g) = 8.92 W/g; SAR(10 g) = 4.8 W/g

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 53.6%

Maximum value of SAR (measured) = 11.5 W/kg



0 dB = 11.7 W/kg = 10.70 dB W/kg

Dipole1900V2

Communication System: UID 0, CW; Communication System Band: D1900 (1900.0 MHz); Frequency: 1900 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 39.91$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(8.34, 8.34, 8.34) @ 1900 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 1900/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 102.2 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 9.79 W/kg; SAR(10 g) = 4.97 W/kg

Maximum value of SAR (interpolated) = 12.7 W/kg

Head/Dipole 1900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 102.2 V/m; Power Drift = -0.07 dB

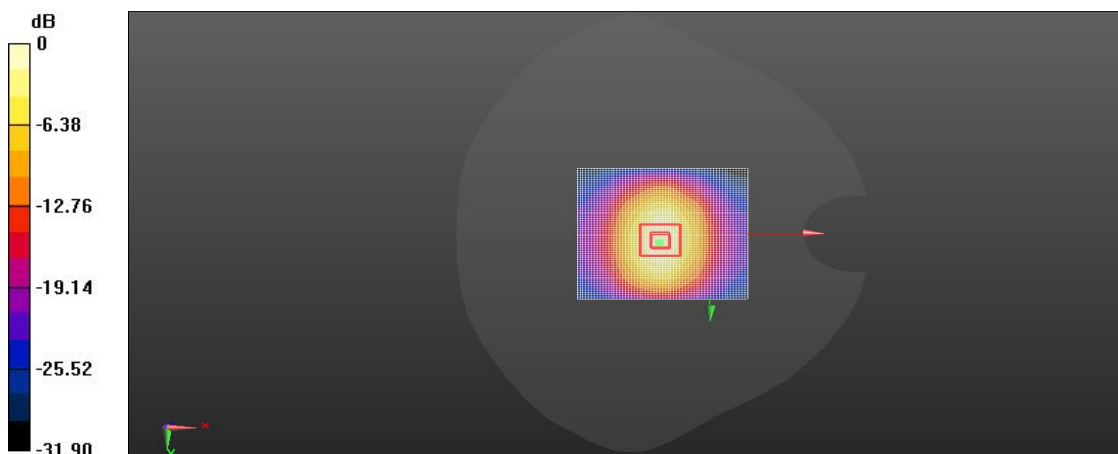
Peak SAR (extrapolated) = 18.8 W/kg

SAR(1 g) = 9.66 W/kg; SAR(10 g) = 4.94 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 51.0%

Maximum value of SAR (measured) = 12.2 W/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; $\sigma = 1.79$ S/m; $\epsilon_r = 39.31$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(7.88, 7.88, 7.88) @ 2450 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 2450/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 107.9 V/m; Power Drift = 0.07 dB

Fast SAR: SAR(1 g) = 13 W/kg; SAR(10 g) = 5.94 W/kg

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

Head/Dipole 2450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 107.9 V/m; Power Drift = 0.07 dB

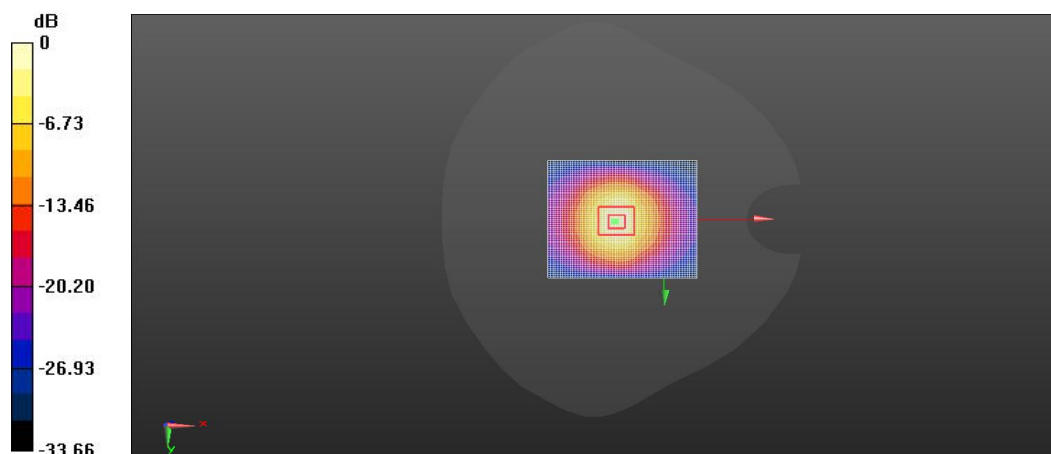
Peak SAR (extrapolated) = 27.4 W/kg

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

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 46.6%

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



Dipole2600V2

Communication System: UID 0, CW; Communication System Band: D2600 (2600.0 MHz); Frequency: 2600 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.01$ S/m; $\epsilon_r = 38.65$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(7.62, 7.62, 7.62) @ 2600 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 2600/Area Scan (61x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 98.80 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 14 W/kg; SAR(10 g) = 6.29 W/kg

Maximum value of SAR (interpolated) = 17.4 W/kg

Head/Dipole 2600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 98.80 V/m; Power Drift = -0.07 dB

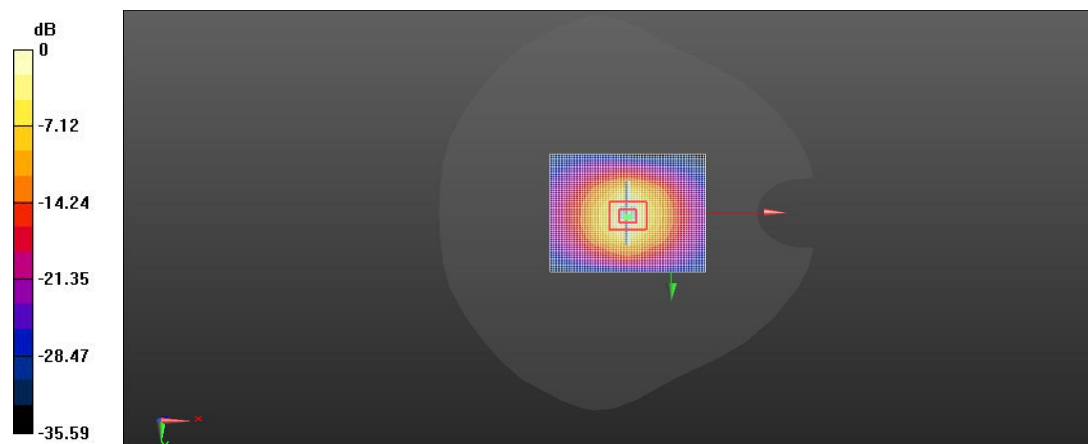
Peak SAR (extrapolated) = 30.2 W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.27 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

Ratio of SAR at M2 to SAR at M1 = 48.1%

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



0 dB = 17.4 W/kg = 12.42 dBW/kg

Dipole 5.2GV2

Communication System: UID 0, CW; Communication System Band: CW5250; Frequency: 5250 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.56$ S/m; $\epsilon_r = 35.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(5.53, 5.53, 5.53) @ 5250 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 5.25G/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 62.71 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 7.46 W/kg; SAR(10 g) = 2.12 W/kg

Maximum value of SAR (interpolated) = 9.25 W/kg

Head/Dipole 5.25G/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 62.71 V/m; Power Drift = -0.03 dB

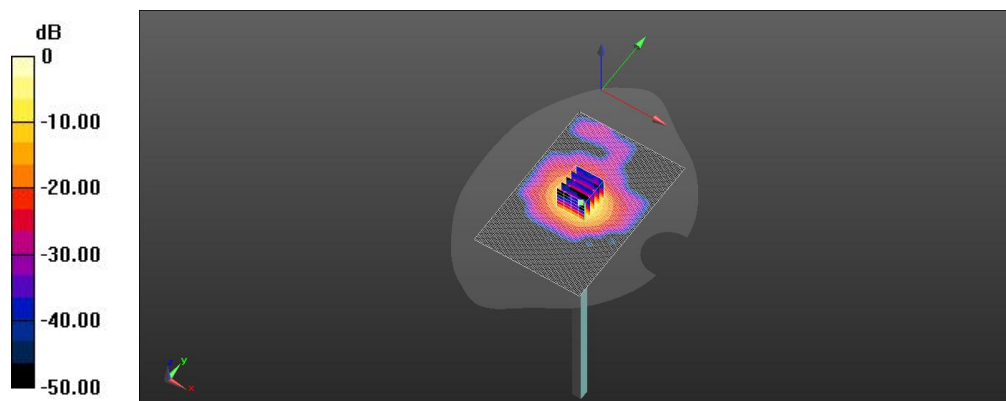
Peak SAR (extrapolated) = 30.6 W/kg

SAR(1 g) = 7.4 W/kg; SAR(10 g) = 2.07 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 65.5%

Maximum value of SAR (measured) = 9.15 W/kg



0 dB = 9.25 W/kg = 9.66 dBW/kg

Dipole 5.6GV2

Communication System: UID 0, CW; Communication System Band: CW5600; Frequency: 5600

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.26$ S/m; $\epsilon_r = 35.39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(4.93, 4.93, 4.93) @ 5600 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 5.6G/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 62.49 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 7.84 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (interpolated) = 10.0 W/kg

Head/Dipole 5.6G/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 62.49 V/m; Power Drift = -0.03 dB

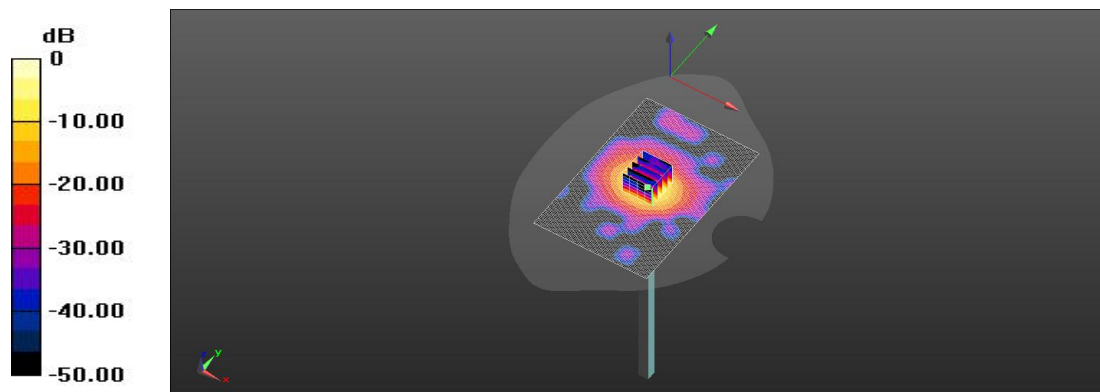
Peak SAR (extrapolated) = 35.1 W/kg

SAR(1 g) = 7.75 W/kg; SAR(10 g) = 2.18 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 63.8%

Maximum value of SAR (measured) = 9.8 W/kg



0 dB = 10.0 W/kg = 9.98 dBW/kg

Date/Time: 2023/12/19

Dipole 5.75GV2

Communication System: UID 0, CW; Communication System Band: CW5750; Frequency: 5750 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.33$ S/m; $\epsilon_r = 34.96$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(5.03, 5.03, 5.03) @ 5750 MHz; Calibrated: 2023-02-28
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 2023-01-11
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS2 52.10.4(1527); SEMCAD X 14.6.14(7483)

Head/Dipole 5.75G/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 64.85 V/m; Power Drift = -0.10 dB

Fast SAR: SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.27 W/kg

Maximum value of SAR (interpolated) = 10.3 W/kg

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

Reference Value = 64.85 V/m; Power Drift = -0.10 dB

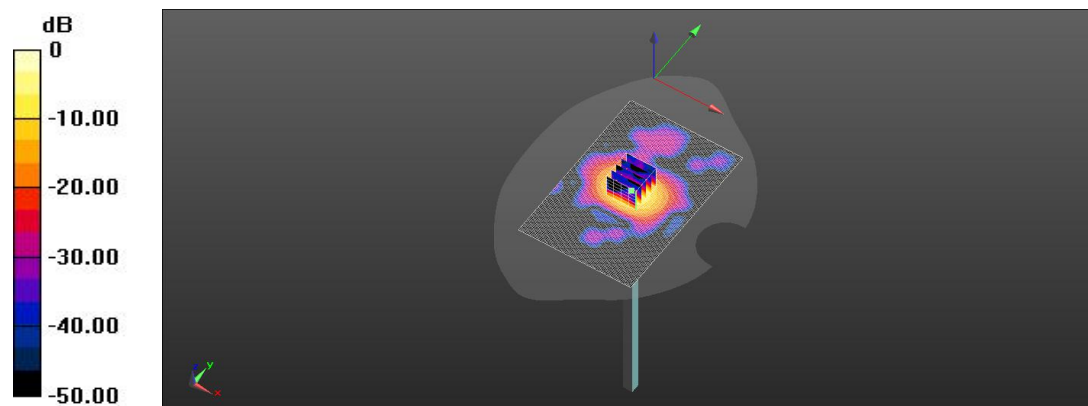
Peak SAR (extrapolated) = 37.9 W/kg

SAR(1 g) = 8 W/kg; SAR(10 g) = 2.27 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 59.5%

Maximum value of SAR (measured) = 9.97 W/kg



0 dB = 10.3 W/kg = 10.12 dBW/kg