

## APPENDIX A: SYSTEM CHECKING SCANS

## Dipole750

Date/Time: 2021-09-10

Communication System: UID 0, Generic GSM; Communication System Band: GSM 750 (747.0 - 763.0 MHz);

Frequency: 755 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104

Medium parameters used (interpolated):  $f = 755$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r = 41.79$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(10.48, 10.48, 10.48) @ 755 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Dipole 750MHz 3/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 49.77 V/m; Power Drift = 0.05 dB

**Fast SAR: SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.39 W/kg**

Maximum value of SAR (interpolated) = 2.28 W/kg

**Configuration/Dipole 750MHz 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

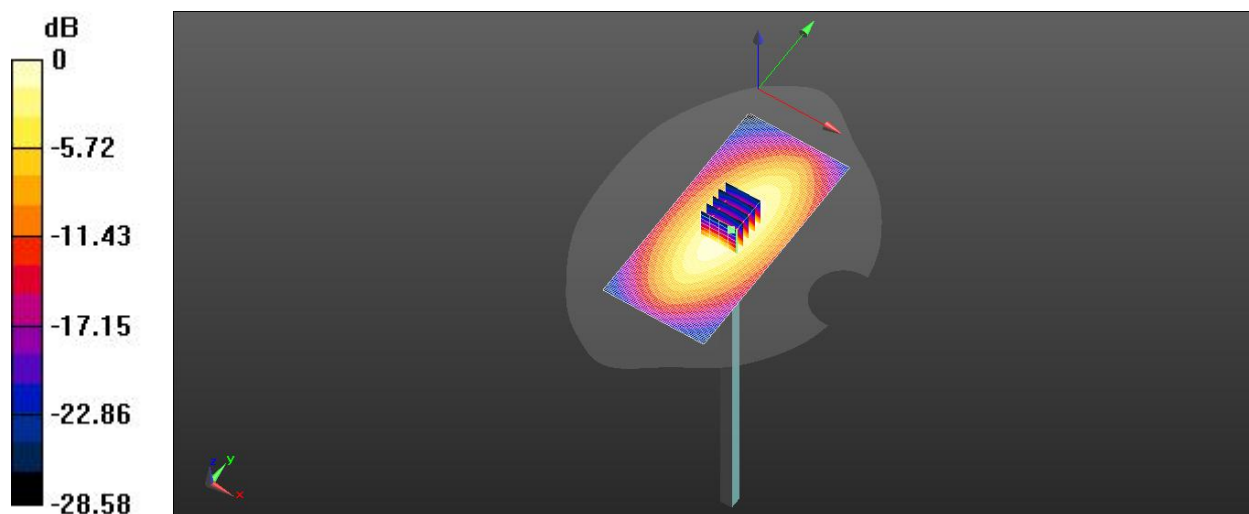
Reference Value = 49.77 V/m; Power Drift = 0.05 dB Peak SAR (extrapolated) = 3.37 W/kg

**SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.34 W/kg**

Smallest distance from peaks to all points 3 dB below = 17.2 mm

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

Maximum value of SAR (measured) = 2.30 W/kg



0 dB = 2.28 W/kg = 3.57 dBW/kg

**Dipole835V2**

Date/Time: 2021-09-13

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;  $\epsilon_r = 41.5$ ;  $\rho = 1000$  kg/m<sup>3</sup> 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: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025

**Head/Dipole835 5/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 54.62 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.63 W/kg** Maximum value of SAR (interpolated) = 2.63 W/kg

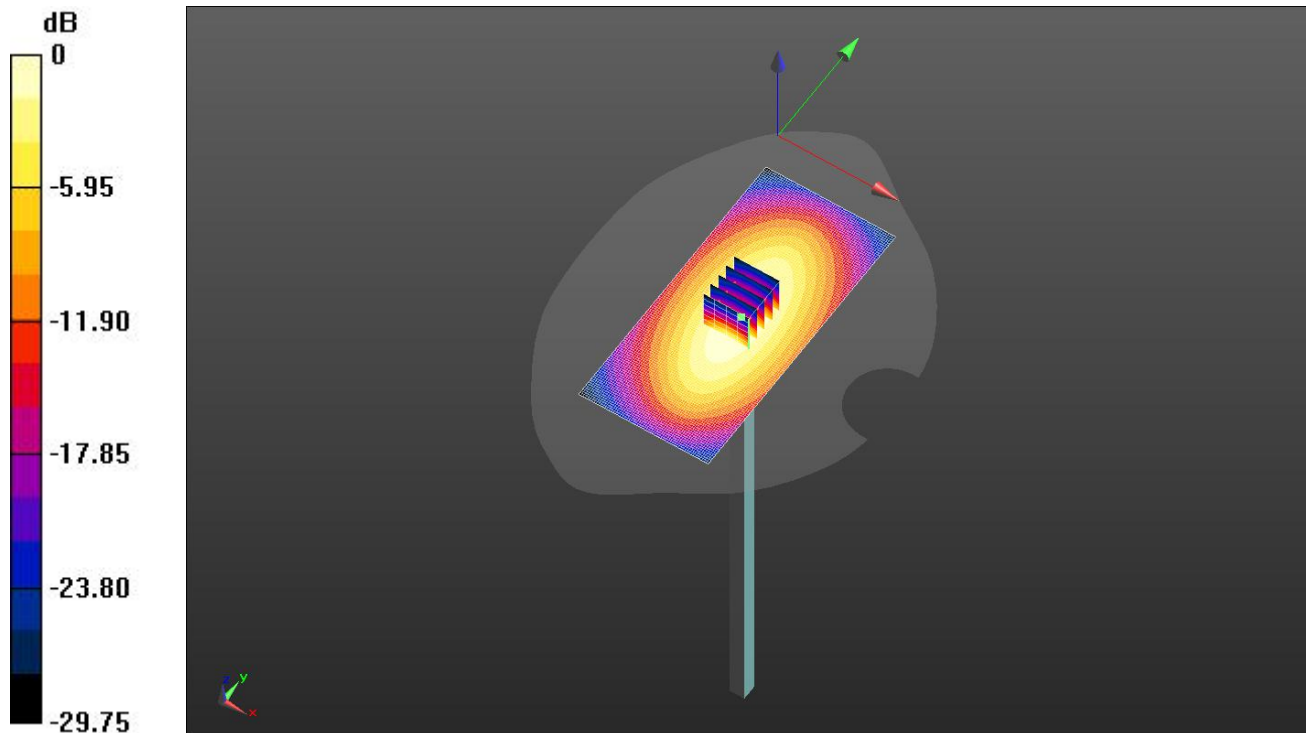
**Head/Dipole835 5/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 54.62 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 3.67 W/kg

**SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.6 W/kg**

Smallest distance from peaks to all points 3 dB below = 20 mm Ratio of SAR at M2 to SAR at M1 = 66.9%

Maximum value of SAR (measured) = 2.64 W/kg



0 dB = 2.63 W/kg = 4.21 dBW/kg

## Dipole1750V2

Date/Time: 2021-09-15

Communication System: UID 0, CW; Communication System Band: D1800 (1800.0 MHz);  
Frequency: 1800 MHz; Communication System PAR: 0 dB; PMF: 1  
Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.41$  S/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(8.82, 8.82, 8.82) @ 1800 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS5 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Head/Dipole1800/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Reference Value = 90.65 V/m; Power Drift = 0.06 dB

**Fast SAR: SAR(1 g) = 9.5 W/kg; SAR(10 g) = 4.78 W/kg**

Maximum value of SAR (interpolated) = 12.2 W/kg

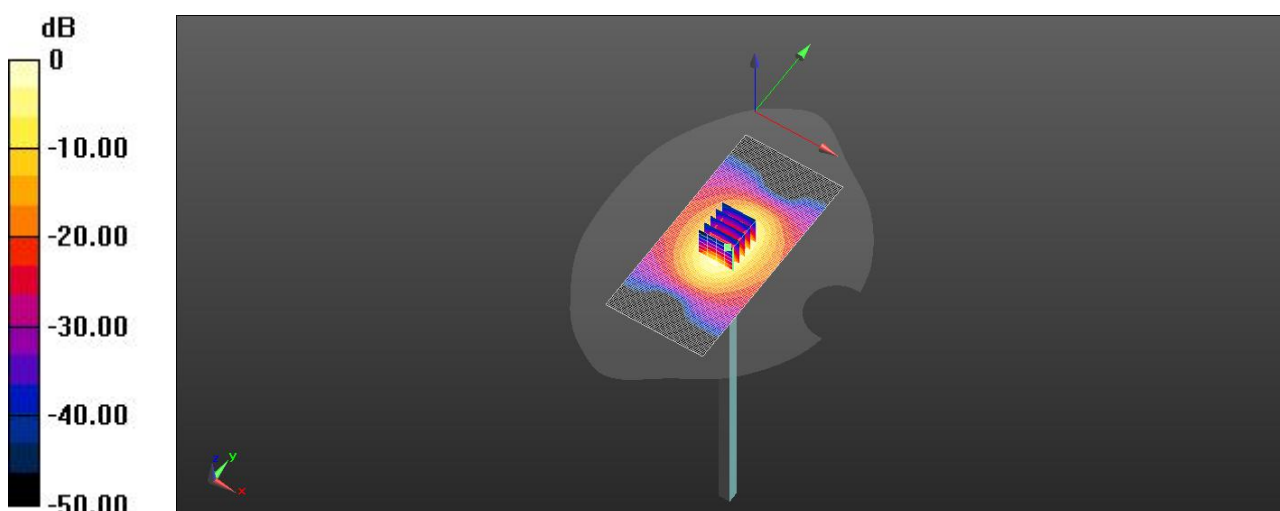
**Head/Dipole1800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 90.65 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 18.3 W/kg

**SAR(1 g) = 9.4 W/kg; SAR(10 g) = 4.49 W/kg** Smallest distance from peaks to all points

3 dB below = 11.2 mm Ratio of SAR at M2 to SAR at M1 = 58.4%

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 12.2 W/kg = 10.88 dBW/kg

## Dipole1900V2

Date/Time: 2021-09-17

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;  $\sigma = 1.45$  S/m;  $\epsilon_r = 39.75$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(8.59, 8.59, 8.59) @ 1900 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Head/Dipole1900 8/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 87.63 V/m; Power Drift = 0.04 dB

**Fast SAR: SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.43 W/kg**

Maximum value of SAR (interpolated) = 12.5 W/kg

**Head/Dipole1900 8/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 87.63 V/m; Power Drift = 0.04 dB

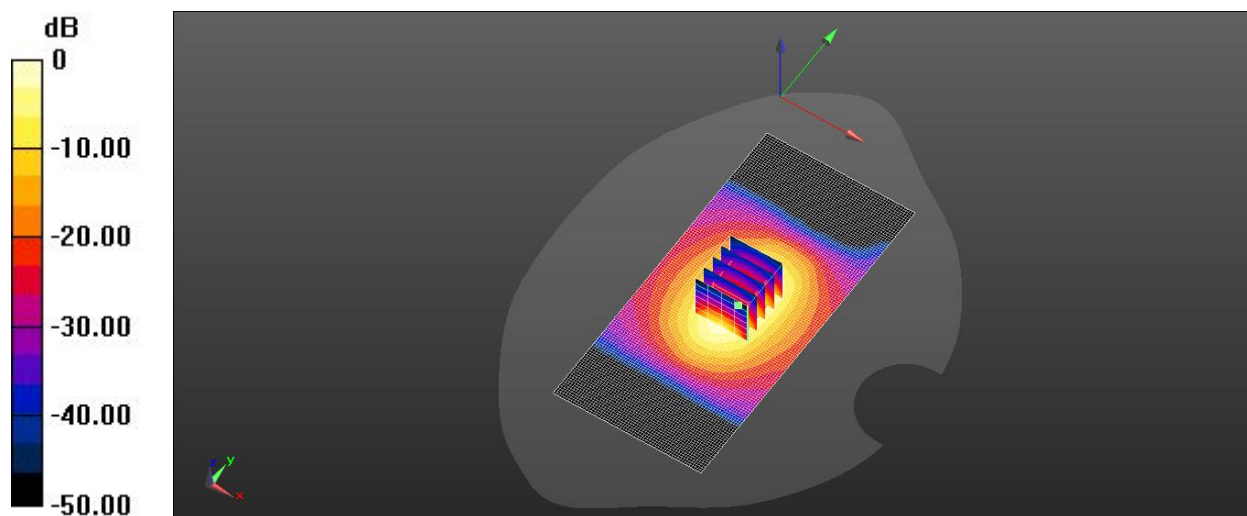
Peak SAR (extrapolated) = 19.4 W/kg

**SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.34 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 54.7%

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 12.5 W/kg = 10.98 dBW/kg

**Dipole750**

Date/Time: 2021-09-11

Communication System: UID 0, Generic GSM; Communication System Band: GSM 750 (747.0 - 763.0 MHz);  
Frequency: 755 MHz; Communication System PAR: 9.191 dB; PMF: 2.88104  
Medium parameters used (interpolated):  $f = 755$  MHz;  $\sigma = 0.864$  S/m;  $\epsilon_r = 40.59$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(10.48, 10.48, 10.48) @ 755 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Dipole 750MHz 3/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 49.77 V/m; Power Drift = 0.05 dB

**Fast SAR: SAR(1 g) = 2.0 W/kg; SAR(10 g) = 1.36 W/kg**

Maximum value of SAR (interpolated) = 2.25 W/kg

**Configuration/Dipole 750MHz 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 49.77 V/m; Power Drift = 0.05 dB

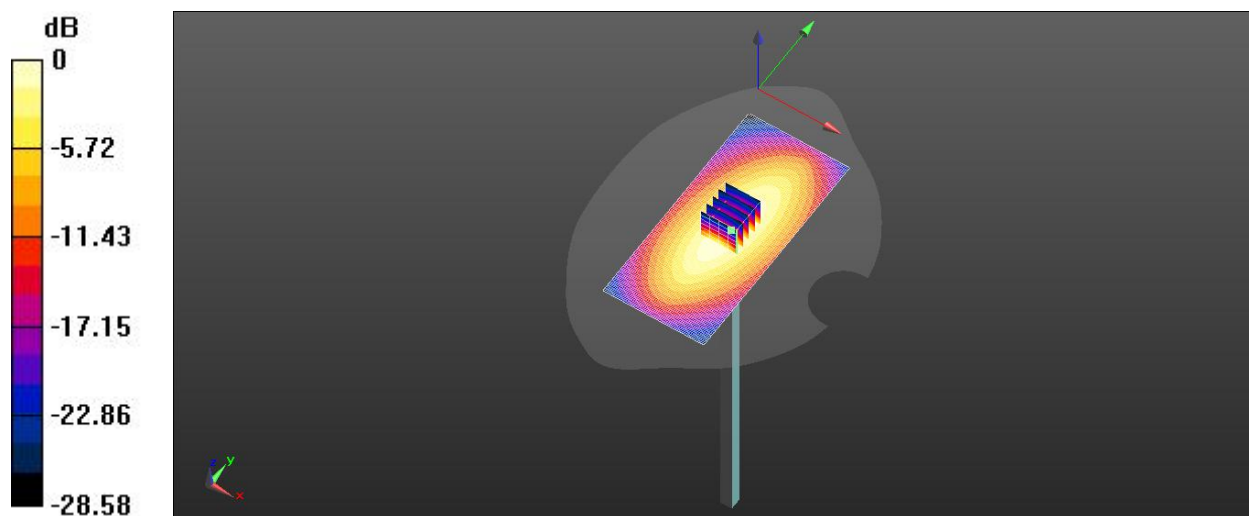
Peak SAR (extrapolated) = 3.31 W/kg

**SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.41 W/kg**

Smallest distance from peaks to all points 3 dB below = 17.2 mm

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

Maximum value of SAR (measured) = 2.30 W/kg



0 dB = 2.28 W/kg = 3.57 dBW/kg

**Dipole835V2**

Date/Time: 2021-09-16

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;  $\sigma = 0.91$  S/m;  $\epsilon_r = 41.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
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: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Head/Dipole835 5/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 54.62 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.63 W/kg**

Maximum value of SAR (interpolated) = 2.63 W/kg

**Head/Dipole835 5/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 54.62 V/m; Power Drift = 0.02 dB

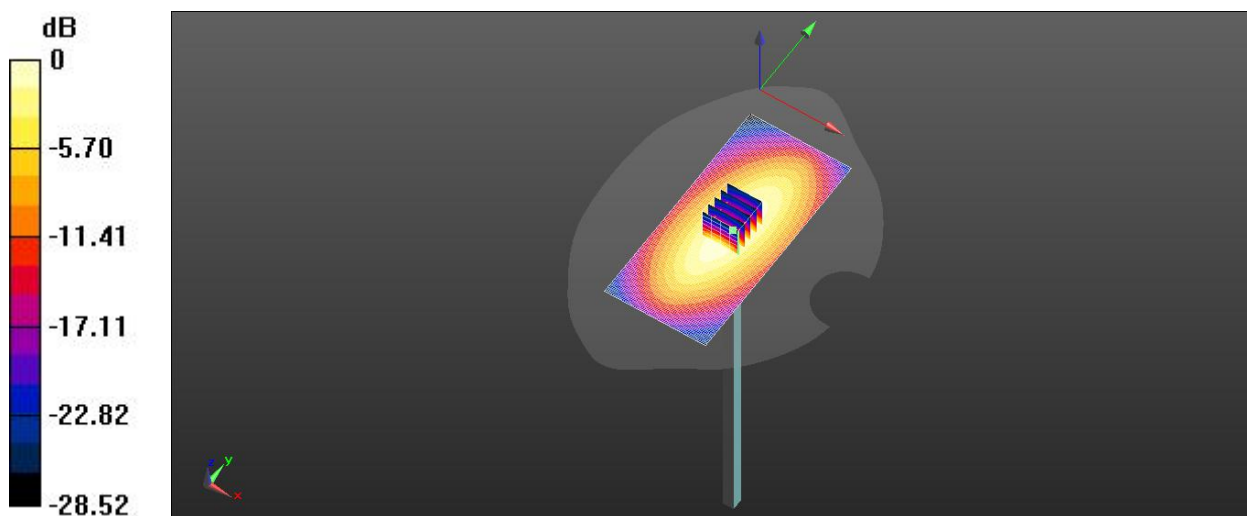
Peak SAR (extrapolated) = 3.67 W/kg

**SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.5 W/kg**

Smallest distance from peaks to all points 3 dB below = 20 mm

Ratio of SAR at M2 to SAR at M1 = 66.9%

Maximum value of SAR (measured) = 2.64 W/kg



0 dB = 2.63 W/kg = 4.21 dBW/kg

## Dipole1750V2

Date/Time: 2021-09-19

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;  $\sigma = 1.35$  S/m;  $\epsilon_r = 40.17$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(8.82, 8.82, 8.82) @ 1800 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Head/Dipole1750 3/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 89.32 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.38 W/kg**

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

**Head/Dipole1750 3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

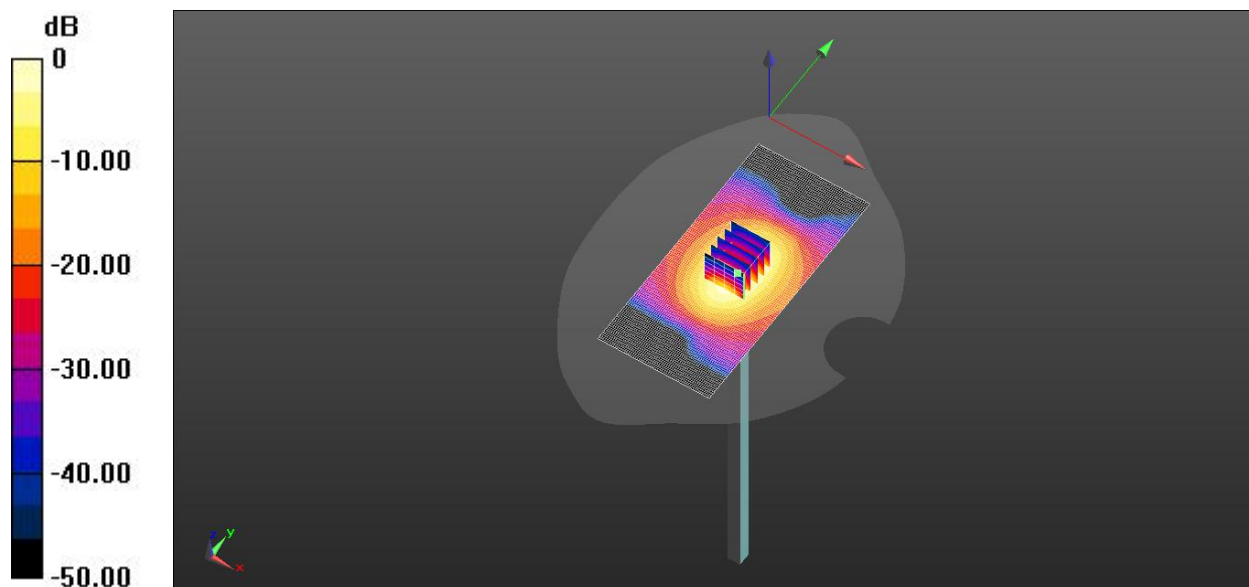
Reference Value = 89.32 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 17.5 W/kg

**SAR(1 g) = 8.93 W/kg; SAR(10 g) = 4.4 W/kg**

Smallest distance from peaks to all points 3 dB below = 11.2 mm

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

Maximum value of SAR (measured) = 11.2 W/kg



0 dB = 11.8 W/kg = 10.73 dBW/kg



**Dipole1900V2**

Date/Time: 2021-09-22

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;  $\sigma = 1.42$  S/m;  $\epsilon_r = 38.32$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(8.59, 8.59, 8.59) @ 1900 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Head/Dipole1900 5/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 86.28 V/m; Power Drift = 0.06 dB

**Fast SAR: SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.29 W/kg**

Maximum value of SAR (interpolated) = 12.2 W/kg

**Head/Dipole1900 5/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

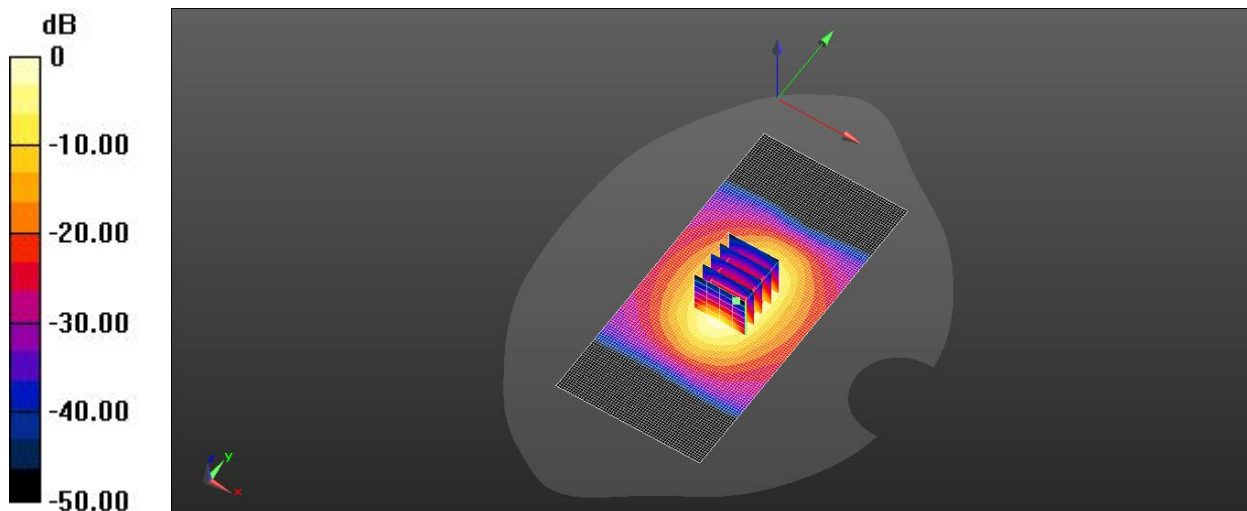
Reference Value = 86.28 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 18.9 W/kg

**SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.21 W/kg**

Smallest distance from peaks to all points 3 dB below = 10.7 mm Ratio of SAR at M2 to SAR at M1 = 54.7%

Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 12.2 W/kg = 10.87 dBW/kg

**Dipole2300V2**

Date/Time: 2021-09-21

Communication System: UID 0, CW; Communication System Band: D2300 (2300.0 MHz); Frequency: 2300 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.7$  S/m;  $\epsilon_r = 39.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(8.32, 8.32, 8.32) @ 2300 MHz; Calibrated: 11/6/2020
  - Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Head/2300MHz/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 88.01 V/m; Power Drift = 0.04 dB

**Fast SAR: SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.79 W/kg**

Maximum value of SAR (interpolated) = 15.0 W/kg

**Head/2300MHz/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

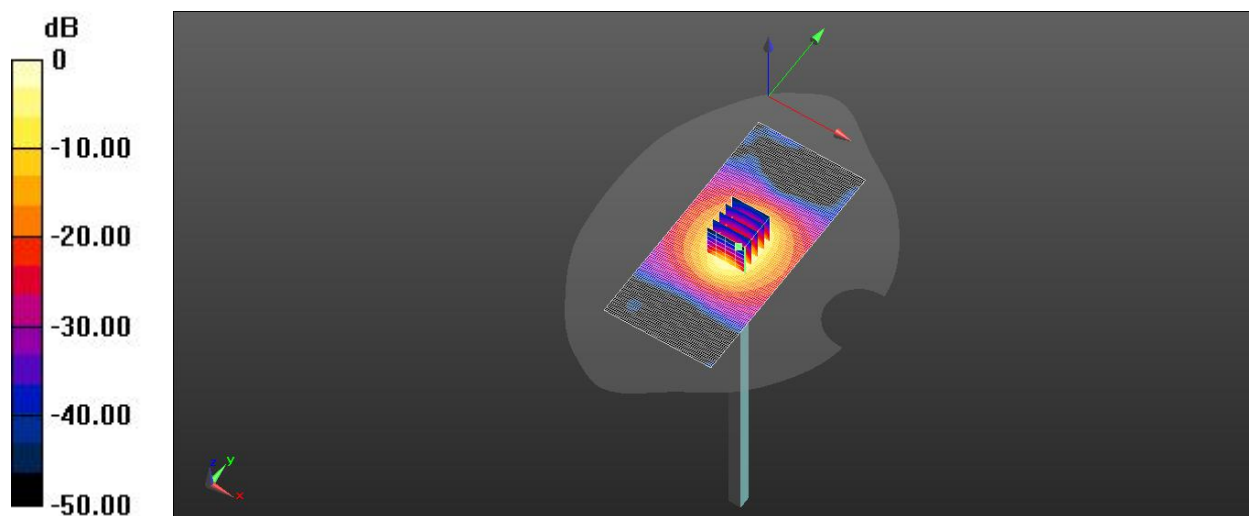
Reference Value = 88.01 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 24.4 W/kg **SAR(1 g) = 12.1 W/kg; SAR(10 g) = 5.81 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 51.6%

Maximum value of SAR (measured) = 13.8 W/kg



0 dB = 15.0 W/kg = 11.77 dBW/kg

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;  $\sigma = 1.88$  S/m;  $\epsilon_r = 37.97$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(8.07, 8.07, 8.07) @ 2450 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Head/Dipole2450 6/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 86.53 V/m; Power Drift = 0.03 dB

**Fast SAR: SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.07 W/kg**

Maximum value of SAR (interpolated) = 16.5 W/kg

**Head/Dipole2450 6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 86.53 V/m; Power Drift = 0.03 dB

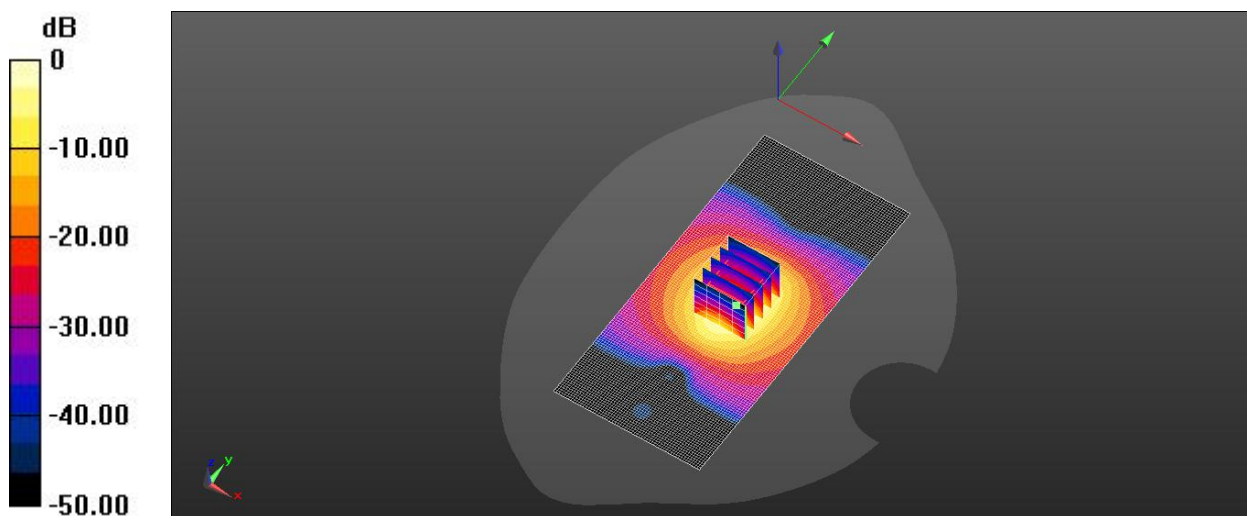
Peak SAR (extrapolated) = 27.7 W/kg

**SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.13 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 49.6%

Maximum value of SAR (measured) = 15.0 W/kg



0 dB = 16.5 W/kg = 12.18 dBW/kg

## Dipole2600V2

Date/Time: 2021-09-28

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;  $\sigma = 1.97$  S/m;  $\epsilon_r = 39.11$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(7.86, 7.86, 7.86) @ 2600 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Head/Dipole2600MHz 7/Area Scan (61x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 85.96 V/m; Power Drift = 0.05 dB

**Fast SAR: SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.25 W/kg** Maximum value of SAR (interpolated) = 17.7 W/kg

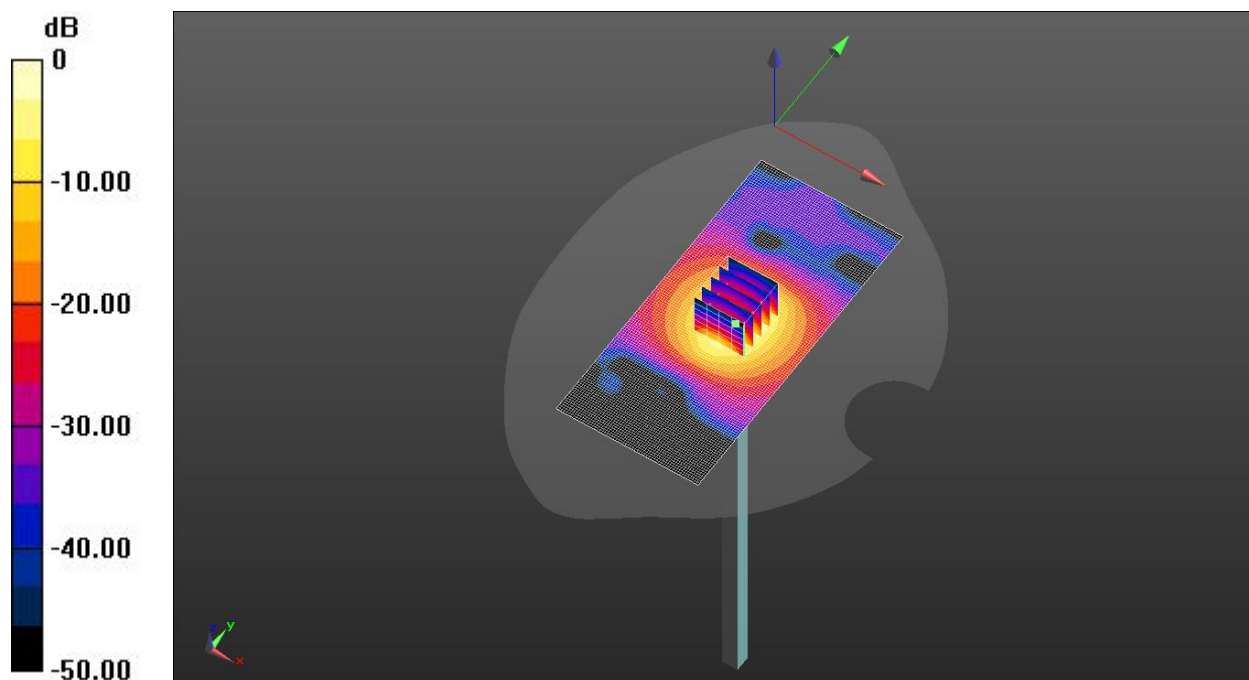
**Head/Dipole2600MHz 7/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 85.96 V/m; Power Drift = 0.05 dB Peak SAR (extrapolated) = 31.3 W/kg

**SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.18 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.7 mm Ratio of SAR at M2 to SAR at M1 = 47.7%

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



0 dB = 17.7 W/kg = 12.48 dBW/kg

## Dipole 5.25G

Date/Time: 2021-09-30

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:  $f = 5250$  MHz;  $\sigma = 4.81$  S/m;  $\epsilon_r = 35.53$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(5.5, 5.5, 5.5) @ 5250 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Head5.3/5.250G 6/Area Scan (81x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 43.99 V/m; Power Drift = 0.05 dB

**Fast SAR: SAR(1 g) = 7.83 W/kg; SAR(10 g) = 1.93 W/kg**

Maximum value of SAR (interpolated) = 8.76 W/kg

**Head5.3/5.250G 6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 43.99 V/m; Power Drift = 0.05 dB

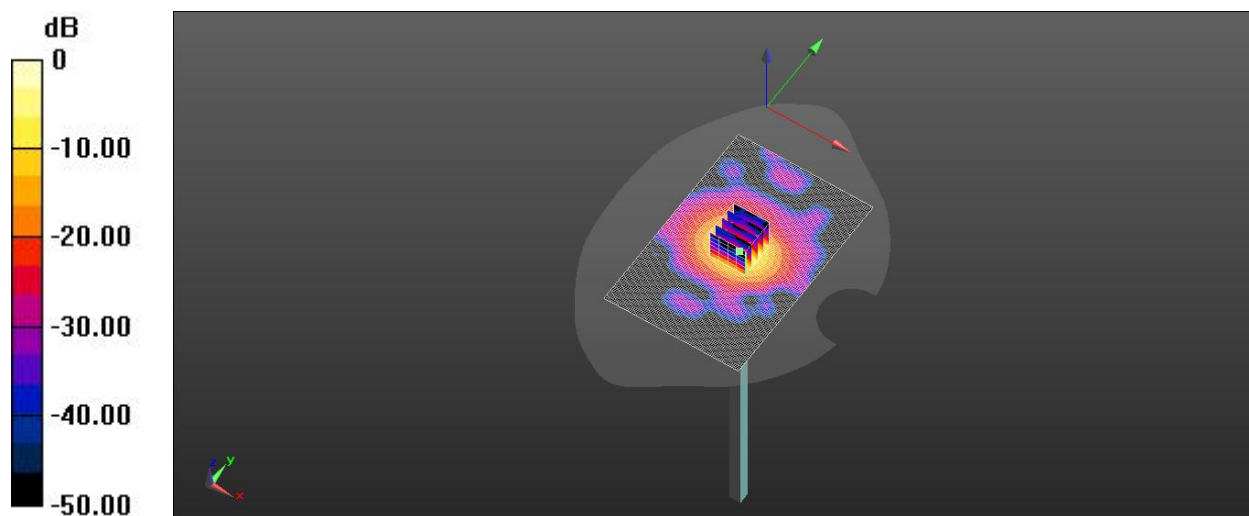
Peak SAR (extrapolated) = 19.1 W/kg

**SAR(1 g) = 7.52 W/kg; SAR(10 g) = 2.09 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 21.6%

Maximum value of SAR (measured) = 9.07 W/kg



0 dB = 8.76 W/kg = 9.43 dBW/kg

## Dipole 5.5G

Date/Time: 2021-09-30

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:  $f = 5500$  MHz;  $\sigma = 4.93$  S/m;  $\epsilon_r = 35.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(4.95, 4.95, 4.95) @ 5600 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- 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 = 44.76 V/m; Power Drift = 0.17 dB

**Fast SAR: SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.31 W/kg**

Maximum value of SAR (interpolated) = 10.2 W/kg

**Head5.6/5.6G/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 44.76 V/m; Power Drift = 0.17 dB

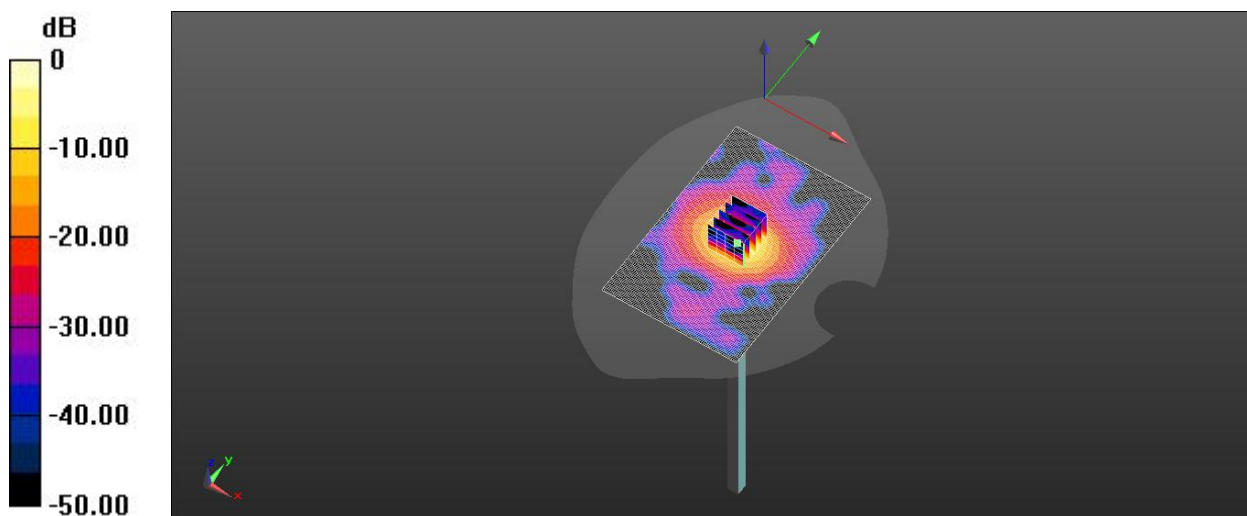
Peak SAR (extrapolated) = 22.3 W/kg

**SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.04 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 21.7%

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.2 W/kg = 10.07 dBW/kg

**Dipole 5.75G**

Date/Time: 2021-09-30

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;  $\sigma = 5.19$  S/m;  $\epsilon_r = 35.96$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
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) @ 5750 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- 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 = 42.27 V/m; Power Drift = 0.11 dB

**Fast SAR: SAR(1 g) = 8.17 W/kg; SAR(10 g) = 2.32 W/kg**

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

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

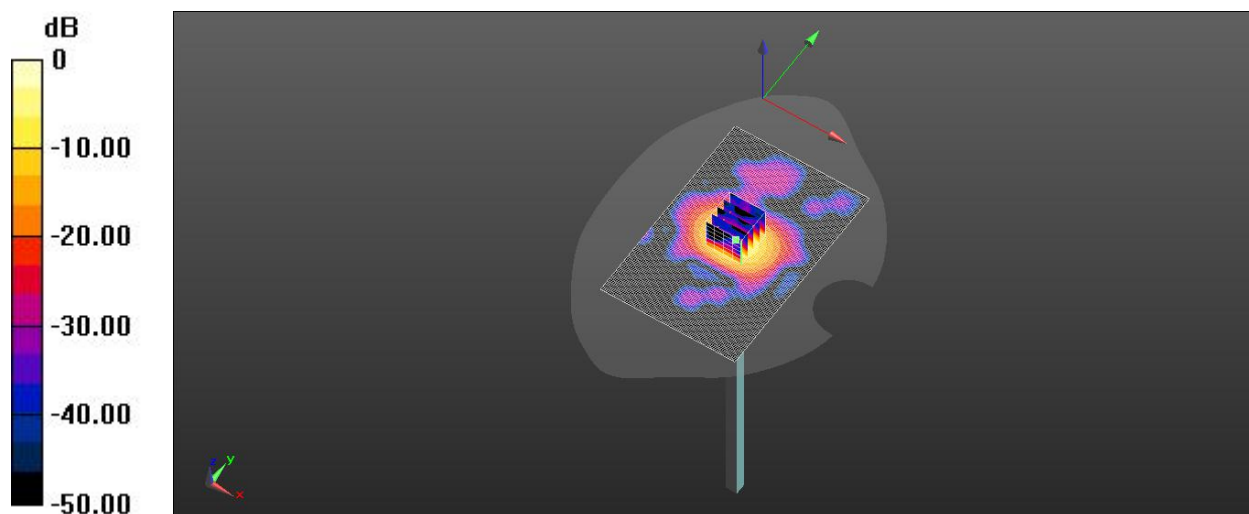
Reference Value = 42.27 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 22.4 W/kg

**SAR(1 g) = 7.37 W/kg; SAR(10 g) = 2.18 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm Ratio of SAR at M2 to SAR at M1 = 18.2%

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



0 dB = 9.47 W/kg = 9.76 dBW/kg

### Dipole 5.2G

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;  $\sigma = 4.47$  S/m;  $\epsilon_r = 36.15$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(5.5, 5.5, 5.5) @ 5250 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS2 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 = 43.62 V/m; Power Drift = 0.06 dB

**Fast SAR: SAR(1 g) = 6.78 W/kg; SAR(10 g) = 1.92 W/kg**

Maximum value of SAR (interpolated) = 8.66 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 = 43.62 V/m; Power Drift = 0.06 dB

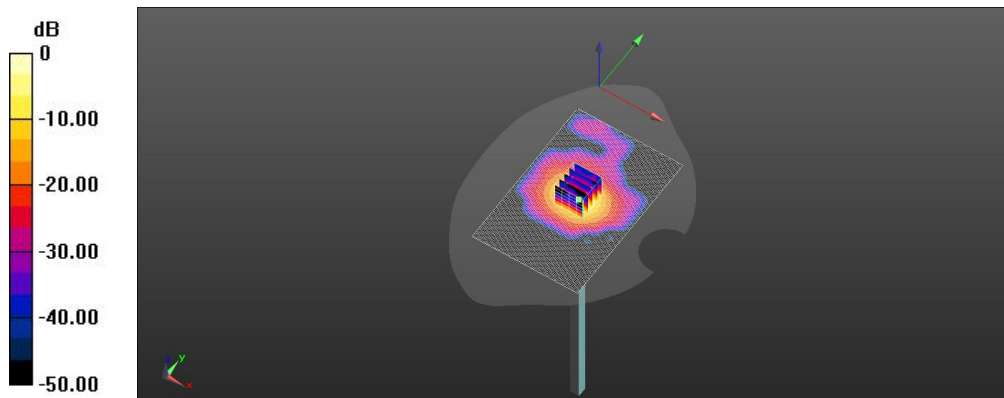
Peak SAR (extrapolated) = 18.9 W/kg

**SAR(1 g) = 6.98 W/kg; SAR(10 g) = 2.04 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 22.6%

Maximum value of SAR (measured) = 8.92 W/kg



0 dB = 8.66 W/kg = 9.12 dBW/kg



### Dipole 5.6G

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;  $\sigma = 4.94$  S/m;  $\epsilon_r = 35.42$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN7623; ConvF(4.95, 4.95, 4.95) @ 5600 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS2 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Head5.6/5.6G 2/Area Scan (81x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 43.25 V/m; Power Drift = 0.03 dB

**Fast SAR: SAR(1 g) = 7.54 W/kg; SAR(10 g) = 2.17 W/kg**

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

**Head5.6/5.6G 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 43.25 V/m; Power Drift = 0.03 dB

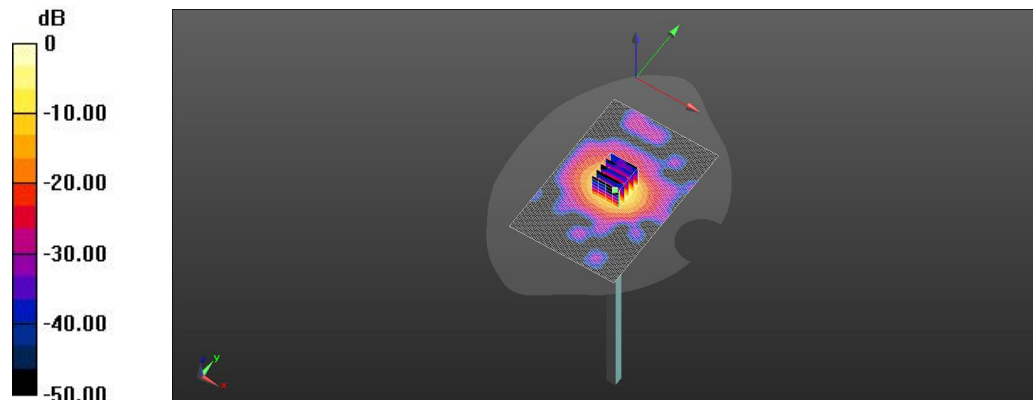
Peak SAR (extrapolated) = 20.3 W/kg

**SAR(1 g) = 7.67 W/kg; SAR(10 g) = 2.19 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 22.3%

Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 9.6 W/kg = 10.21 dBW/kg

### Dipole 5.7G

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;  $\sigma = 5.21$  S/m;  $\epsilon_r = 35.82$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
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) @ 5750 MHz; Calibrated: 11/6/2020
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1636; Calibrated: 11/17/2020
- Phantom: SAM3; Type: QD 000 P41 AA; Serial: 2025
- DASYS2 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 = 41.55 V/m; Power Drift = 0.06 dB

**Fast SAR: SAR(1 g) = 7.37 W/kg; SAR(10 g) = 2.12 W/kg**

Maximum value of SAR (interpolated) = 8.69 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 = 41.55 V/m; Power Drift = 0.06 dB

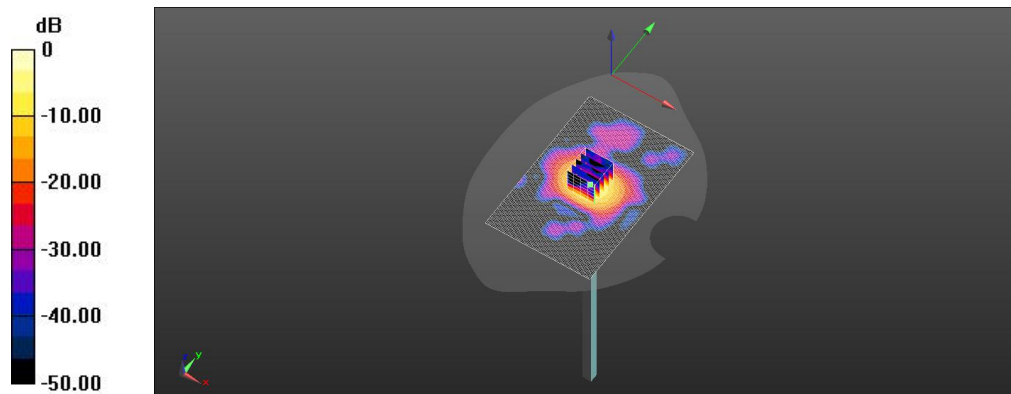
Peak SAR (extrapolated) = 21.6 W/kg

**SAR(1 g) = 7.45 W/kg; SAR(10 g) = 2.18 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 18.5%

Maximum value of SAR (measured) = 9.85 W/kg



0 dB = 8.69 W/kg = 9.26 dBW/kg