

### System Check 2450MHz

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.86$  S/m;  $\epsilon_r = 40.02$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(7.83, 7.83, 7.83) @ 2450 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x6x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 15.8 W/kg

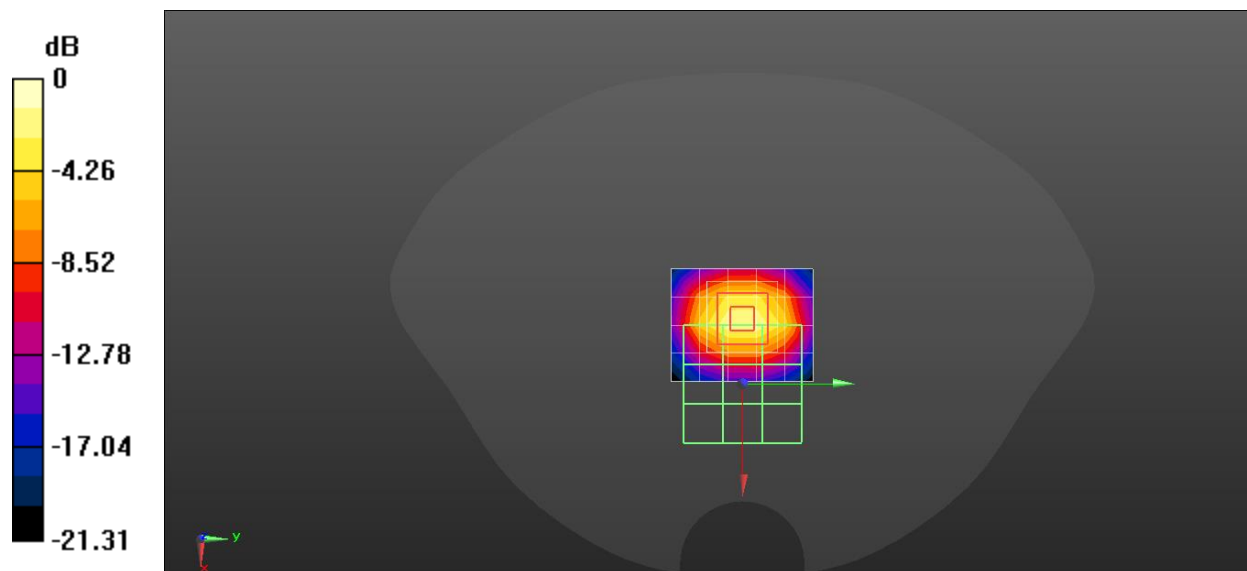
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 89.07 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 27.9 W/kg

**SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.39 W/kg**

Maximum value of SAR (measured) = 22.5 W/kg



### System Check 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;  $\sigma = 4.79$  S/m;  $\epsilon_r = 36.99$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

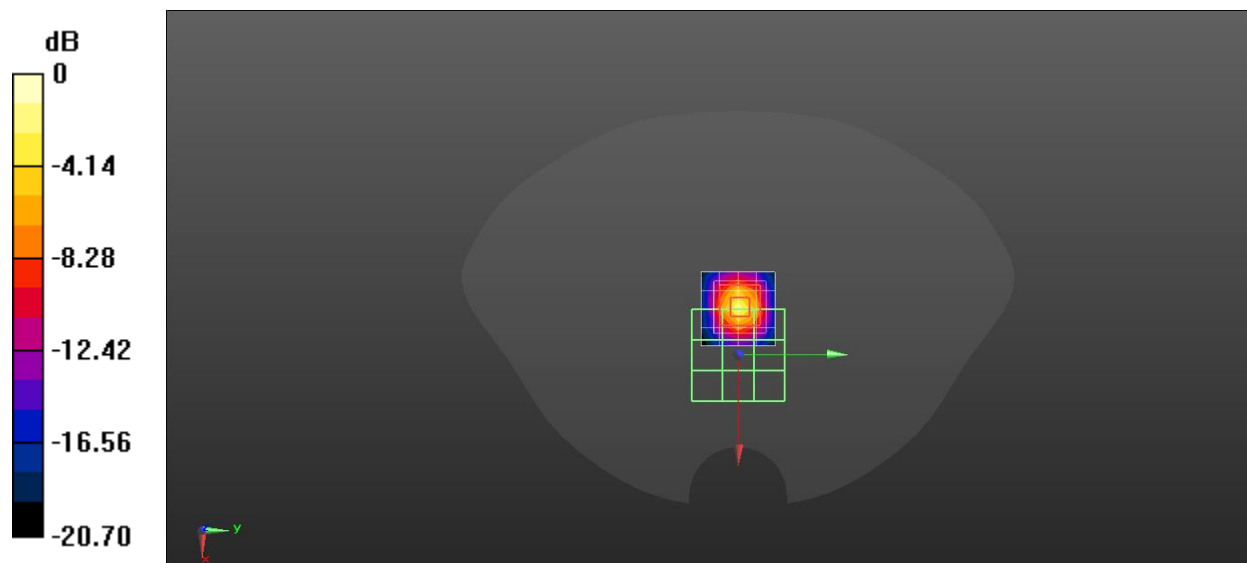
DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(5.49, 5.49, 5.49) @ 5250 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 29.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x5x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 13.2 W/kg

**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 48.00 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 31.6 W/kg

**SAR(1 g) = 8.21 W/kg; SAR(10 g) = 2.41 W/kg**  
Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 18.9 W/kg = 12.76 dBW/kg

### System Check 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;  $\sigma = 5.11$  S/m;  $\epsilon_r = 36.42$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

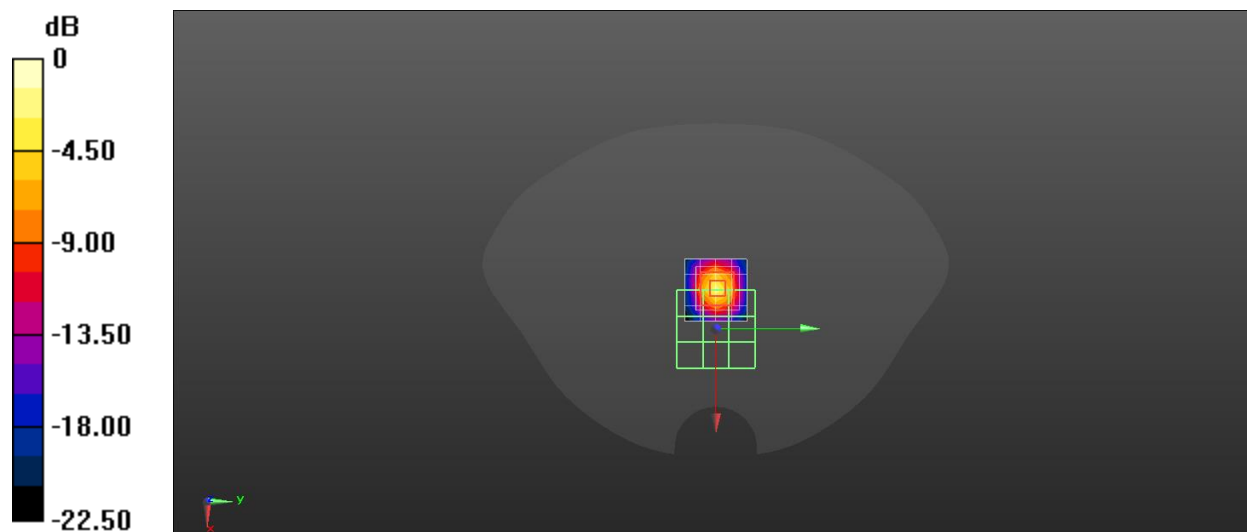
DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(5, 5, 5) @ 5600 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 29.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x5x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 12.8 W/kg

**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 45.23 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 33.4 W/kg

**SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.26 W/kg**  
Maximum value of SAR (measured) = 19.1 W/kg



0 dB = 19.1 W/kg = 12.81 dBW/kg

### System Check 5750MHz

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);  
Frequency: 5750 MHz;  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.23$  S/m;  $\epsilon_r = 36.54$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

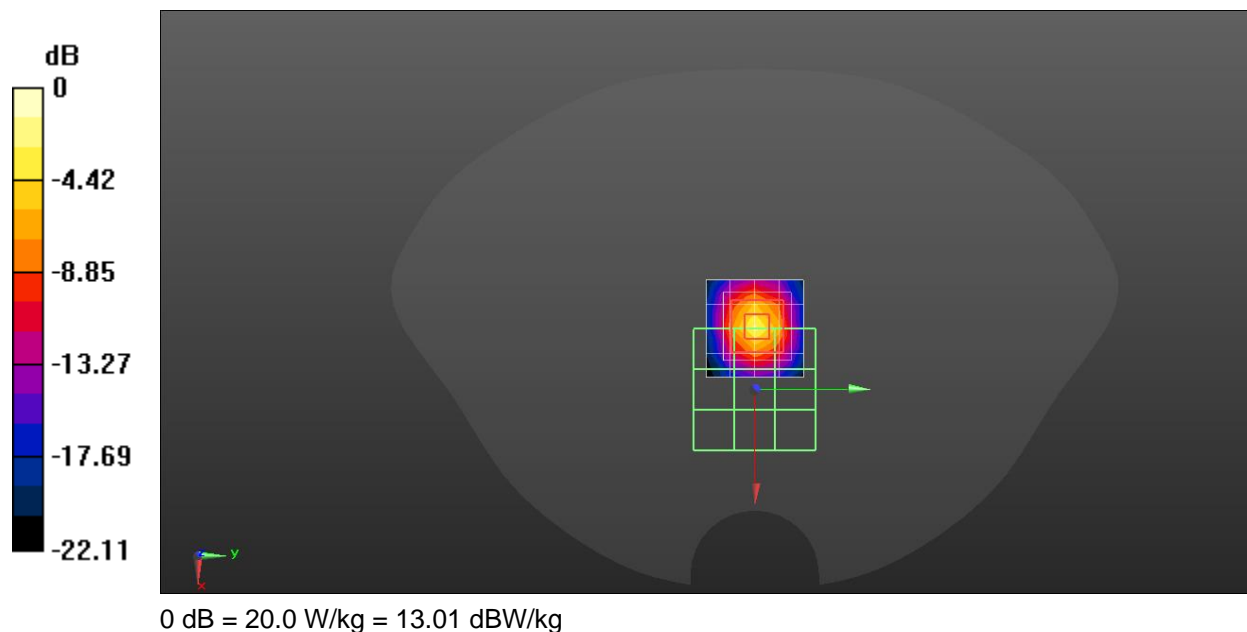
DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(5.1, 5.1, 5.1) @ 5750 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 29.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x5x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 11.9 W/kg

**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 40.74 V/m; Power Drift = 0.44 dB  
Peak SAR (extrapolated) = 35.4 W/kg

**SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.35 W/kg**  
Maximum value of SAR (measured) = 20.0 W/kg



## System Check 750MHz

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

Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.91$  S/m;  $\epsilon_r = 42.12$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(10.41, 10.41, 10.41) @ 750 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: 2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x12x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.33 W/kg

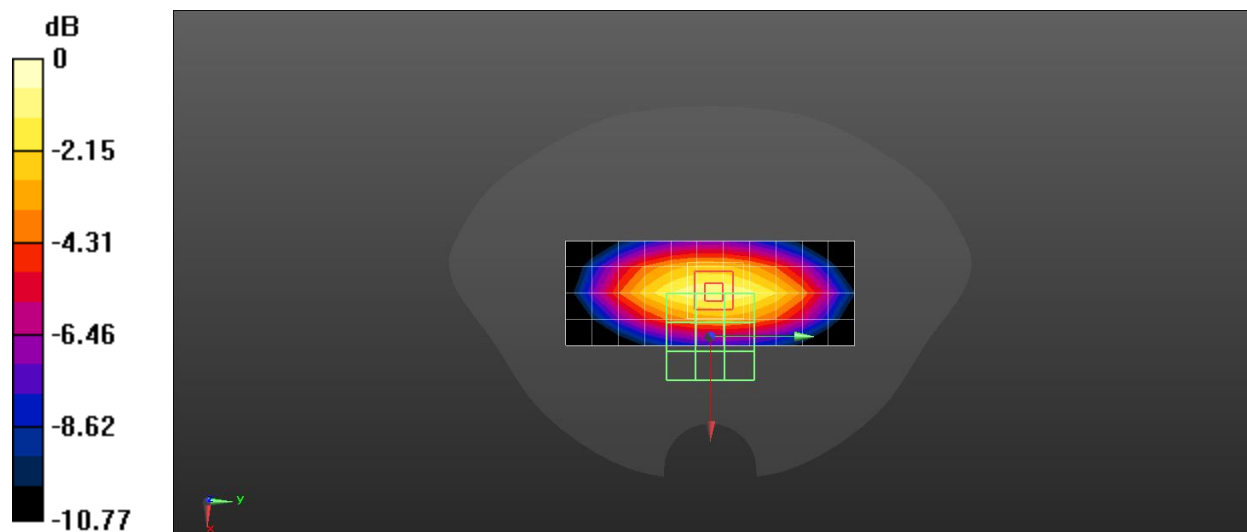
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 49.21 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.05 W/kg

**SAR(1 g) = 2.03 W/kg; SAR(10 g) = 1.33 W/kg**

Maximum value of SAR (measured) = 2.72 W/kg



0 dB = 2.72 W/kg = 4.35 dBW/kg

### System Check 835MHz

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

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(10, 10, 10) @ 835 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x12x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

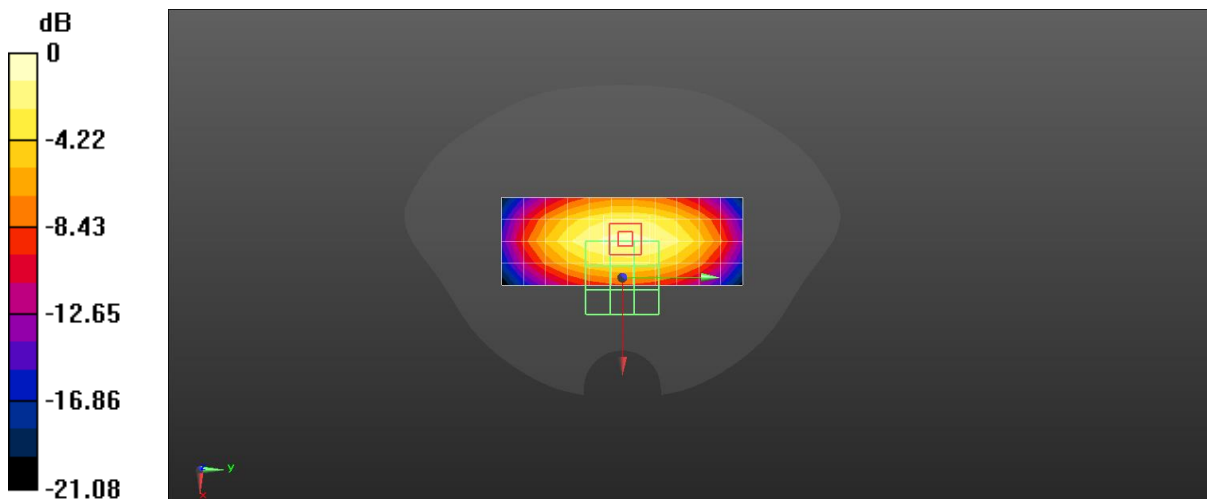
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 52.60 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 3.48 W/kg

**SAR(1 g) = 2.29 W/kg; SAR(10 g) = 1.48 W/kg**

Maximum value of SAR (measured) = 3.09 W/kg



0 dB = 3.09 W/kg = 4.90 dBW/kg

### System Check 835MHz

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

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 42.51$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(10, 10, 10) @ 835 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x12x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

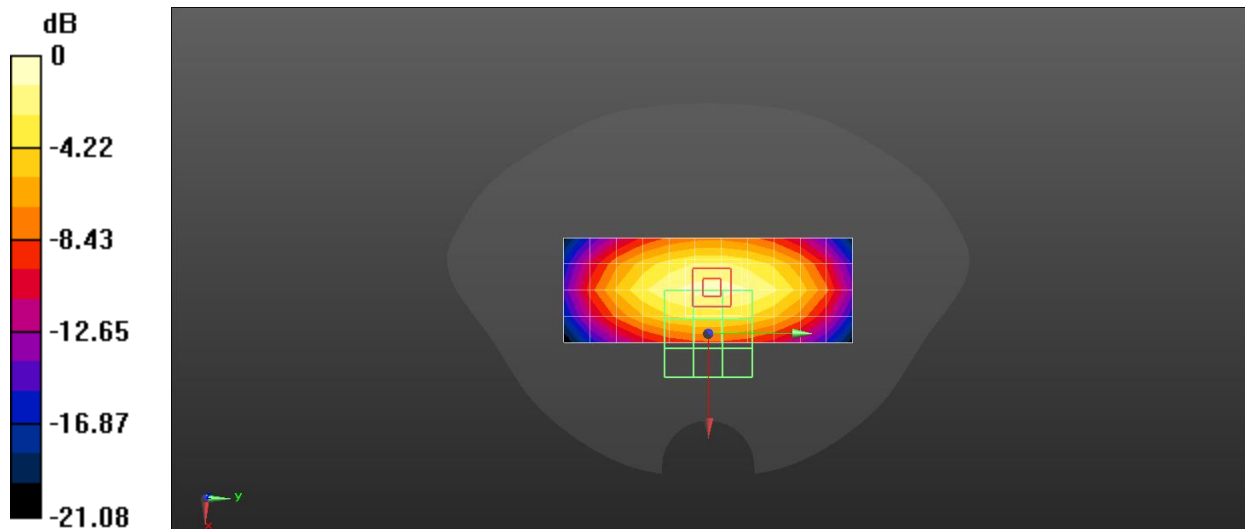
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 52.43 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.48 W/kg

**SAR(1 g) = 2.29 W/kg; SAR(10 g) = 1.49 W/kg**

Maximum value of SAR (measured) = 3.09 W/kg



0 dB = 3.09 W/kg = 4.90 dBW/kg

### System Check 1800MHz

Communication System: UID 0, CW (0); Communication System Band: D1800 (1800.0 MHz); Frequency: 1800 MHz;

Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.44$  S/m;  $\epsilon_r = 40.97$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(8.72, 8.72, 8.72) @ 1800 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x6x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 10.5 W/kg

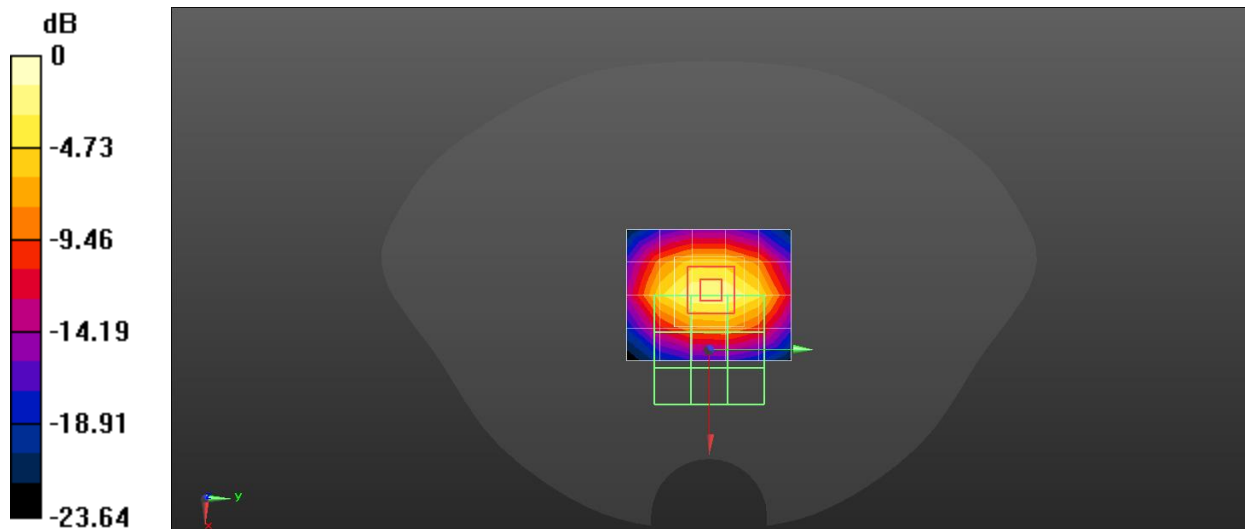
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 85.94 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 17.3 W/kg

**SAR(1 g) = 9.23 W/kg; SAR(10 g) = 4.84 W/kg**

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg = 11.61 dBW/kg



### System Check 1800MHz

Communication System: UID 0, CW (0); Communication System Band: D1800 (1800.0 MHz); Frequency: 1800 MHz;

Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.42$  S/m;  $\epsilon_r = 41.05$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(8.72, 8.72, 8.72) @ 1800 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: 2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x6x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 10.8 W/kg

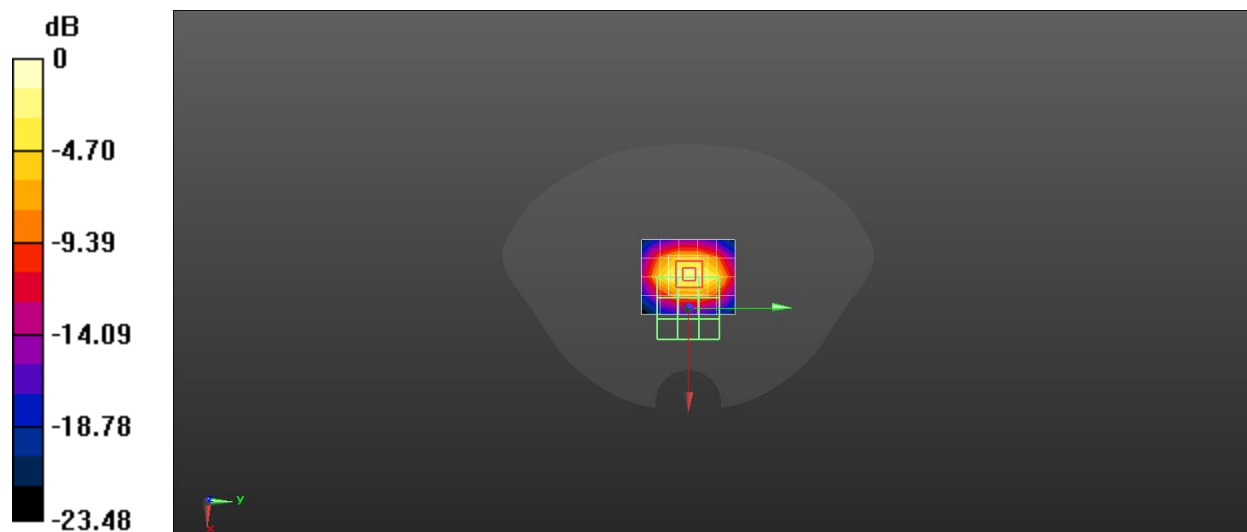
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 87.13 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 17.6 W/kg

**SAR(1 g) = 9.42 W/kg; SAR(10 g) = 4.95 W/kg**

Maximum value of SAR (measured) = 14.7 W/kg



0 dB = 14.7 W/kg = 11.67 dBW/kg

### System Check 1900MHz

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.42$  S/m;  $\epsilon_r = 39.51$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(8.26, 8.26, 8.26) @ 1900 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x6x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

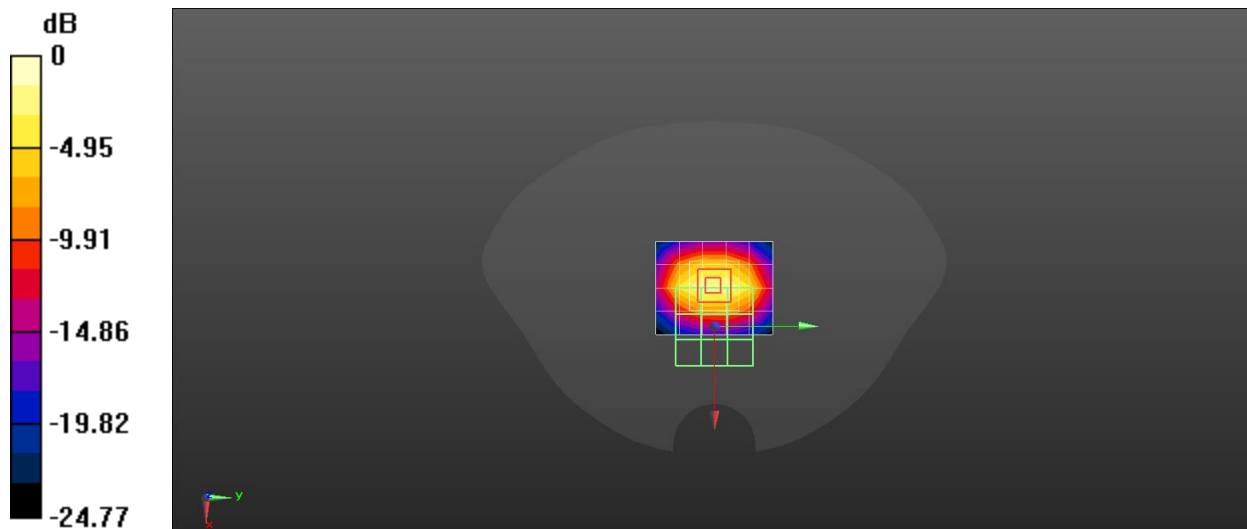
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 88.69 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 19.2 W/kg

**SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.38 W/kg**

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



0 dB = 16.2 W/kg = 12.10 dBW/kg

### System Check 1900MHz

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.44$  S/m;  $\epsilon_r = 41.12$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(8.26, 8.26, 8.26) @ 1900 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: 2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x6x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 11.4 W/kg

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

Reference Value = 87.63 V/m; Power Drift = 0.01 dB

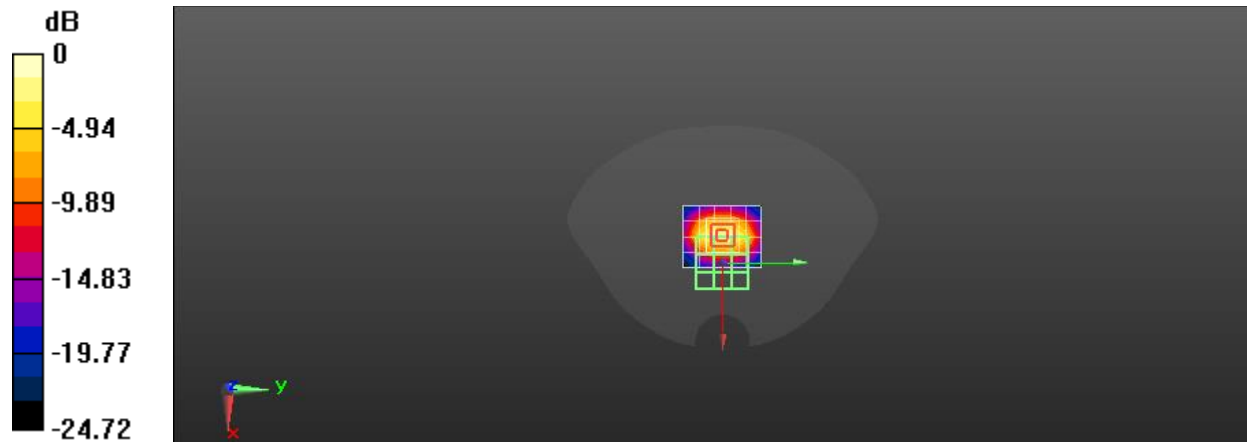
Peak SAR (extrapolated) = 18.4 W/kg

**SAR(1 g) = 9.93 W/kg; SAR(10 g) = 5.16 W/kg**

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

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

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



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

## System Check 2300MHz

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

Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.74$  S/m;  $\epsilon_r = 40.02$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(8.16, 8.16, 8.16) @ 2300 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: 2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x6x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 14.3 W/kg

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

Reference Value = 87.77 V/m; Power Drift = 0.03 dB

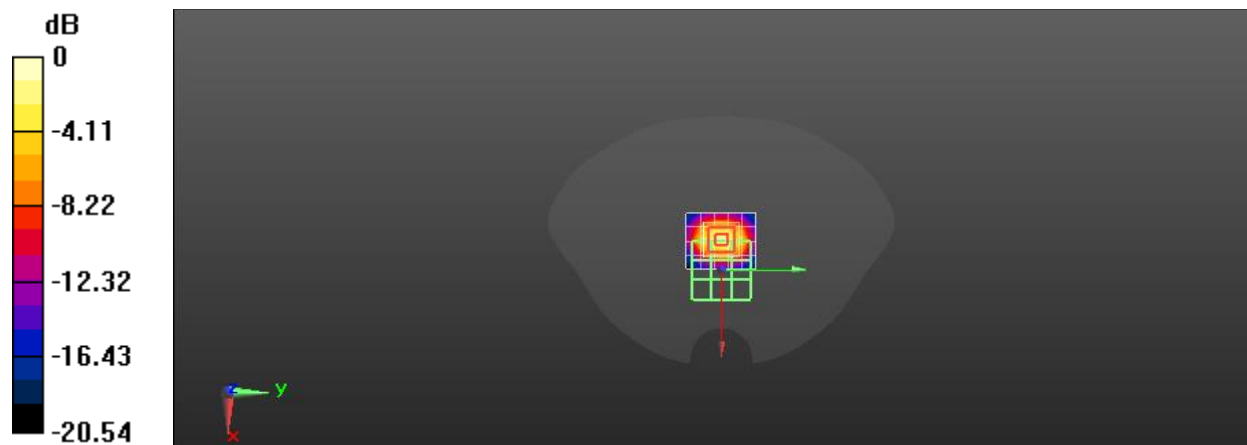
Peak SAR (extrapolated) = 25.2 W/kg

**SAR(1 g) = 12.1 W/kg; SAR(10 g) = 5.77 W/kg**

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

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

Maximum value of SAR (measured) = 20.3 W/kg



0 dB = 20.3 W/kg = 13.07 dBW/kg

## System Check 2600MHz

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

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.9$  S/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(7.56, 7.56, 7.56) @ 2600 MHz; Calibrated: 4/27/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 5/6/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: 2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x6x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

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

Reference Value = 94.44 V/m; Power Drift = -0.07 dB

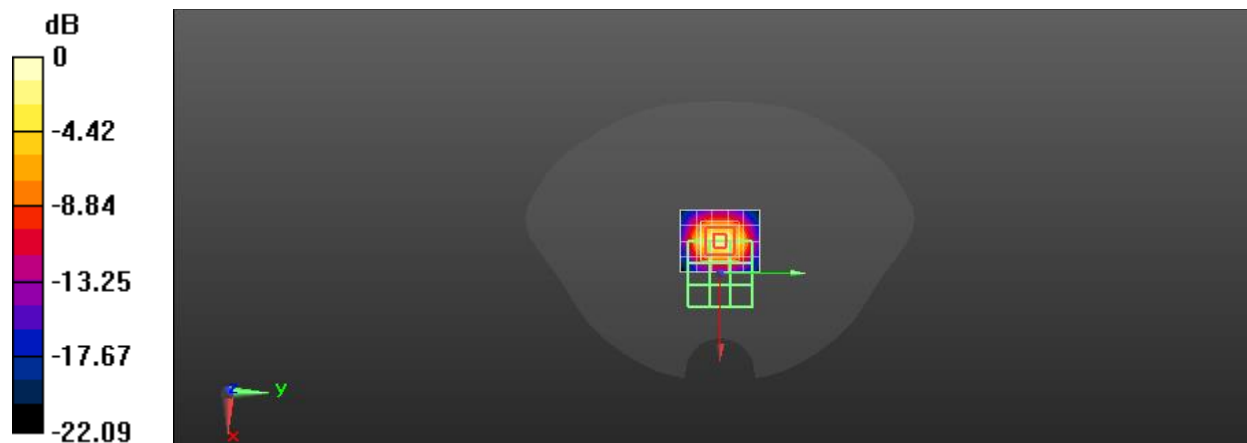
Peak SAR (extrapolated) = 28.8 W/kg

**SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.16 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 47.2%

Maximum value of SAR (measured) = 23.2 W/kg



0 dB = 23.2 W/kg = 13.65 dBW/kg

### System Check 835MHz

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

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.92$  S/m;  $\epsilon_r = 40.88$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(10, 10, 10) @ 835 MHz; Calibrated: 27/04/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 06/05/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x12x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.84 W/kg

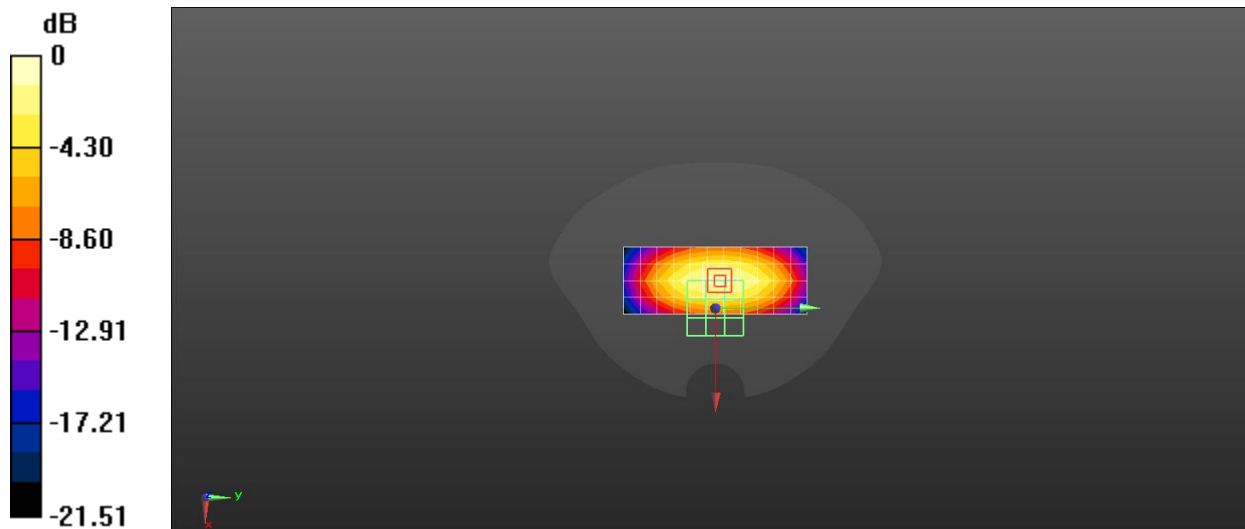
**Configuration/Body/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 53.40 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.72 W/kg

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

Maximum value of SAR (measured) = 3.30 W/kg



0 dB = 3.30 W/kg = 5.19 dBW/kg

### System Check 2300MHz

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

Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.71$  S/m;  $\epsilon_r = 40.22$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(8.16, 8.16, 8.16) @ 2300 MHz; Calibrated: 27/04/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 06/05/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x6x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 19.9 W/kg

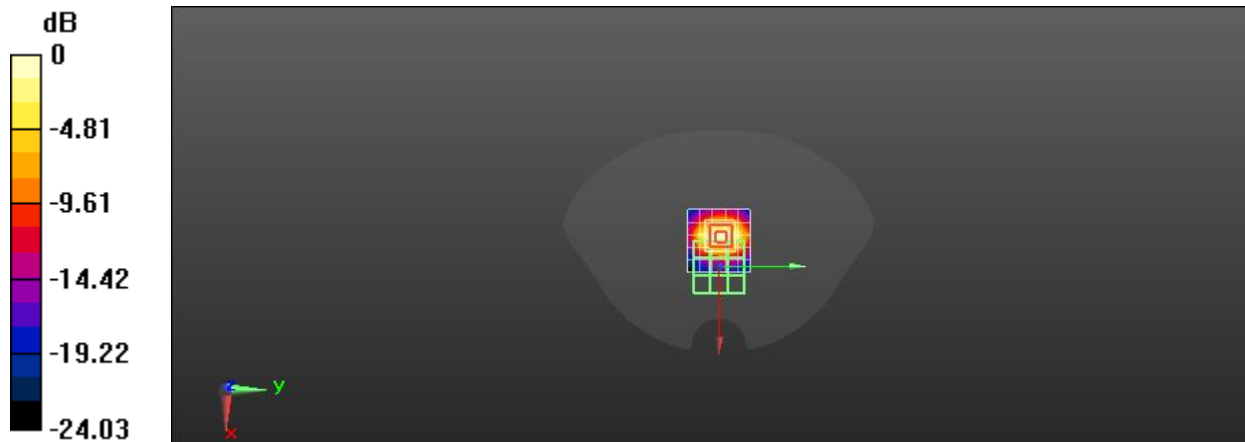
**Configuration/Body/Zoom Scan (7x7x5)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 84.26 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 26.3 W/kg

**SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.95 W/kg**

Maximum value of SAR (measured) = 21.1 W/kg



0 dB = 21.1 W/kg = 13.24 dBW/kg

### System Check 2450MHz

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;

Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.82$  S/m;  $\epsilon_r = 40.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(7.83, 7.83, 7.83) @ 2450 MHz; Calibrated: 27/04/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 06/05/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x6x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 18.9 W/kg

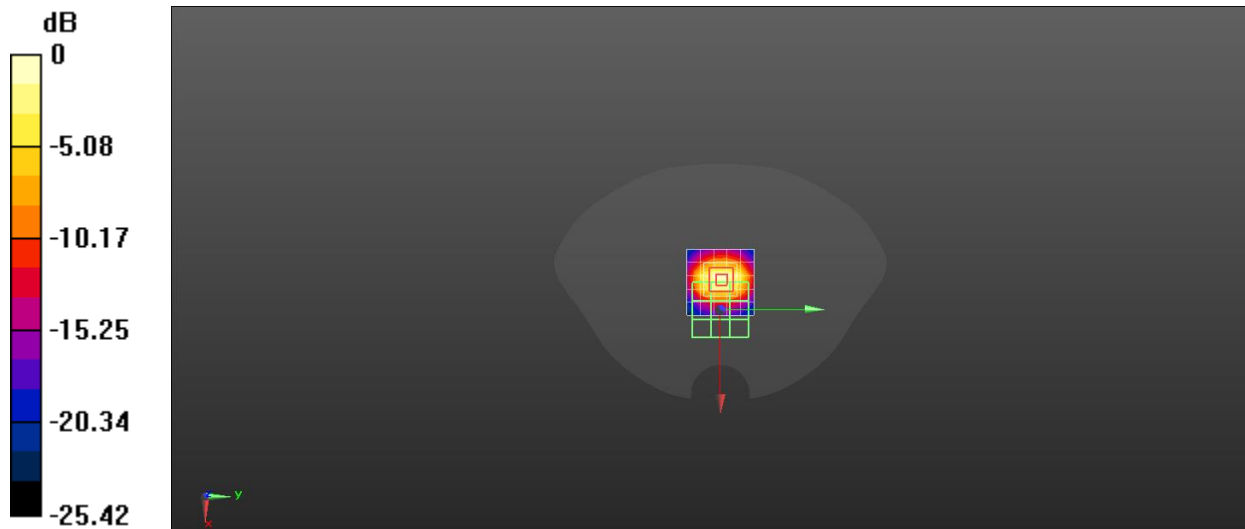
**Configuration/Body/Zoom Scan (7x7x5)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 89.99 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 28.0 W/kg

**SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.06 W/kg**

Maximum value of SAR (measured) = 22.4 W/kg



0 dB = 22.4 W/kg = 13.50 dBW/kg



### System Check 5250MHz

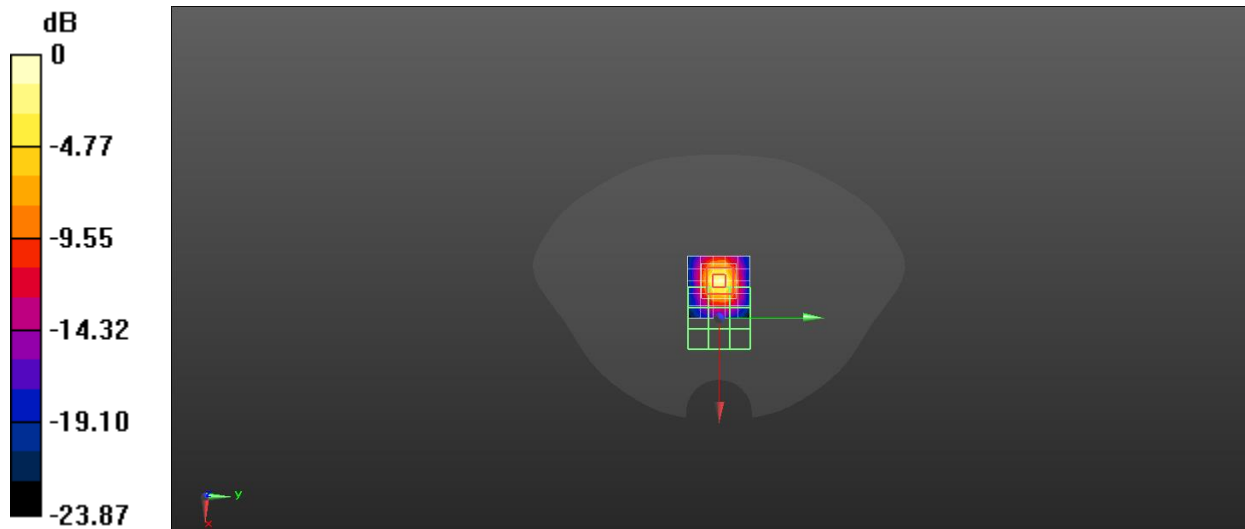
Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz);  
Frequency: 5250 MHz;  
Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.77$  S/m;  $\epsilon_r = 36.11$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(5.49, 5.49, 5.49) @ 5250 MHz; Calibrated: 27/04/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 29.0$
- Electronics: DAE4 Sn1673; Calibrated: 06/05/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 17.3 W/kg

**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 39.94 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 39.8 W/kg  
**SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.36 W/kg**  
Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.9 W/kg = 13.20 dBW/kg

### System Check 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;  $\sigma = 4.99$ S/m;  $\epsilon_r = 36.01$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(5, 5, 5) @ 5600 MHz; Calibrated: 27/04/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 29.0$
- Electronics: DAE4 Sn1673; Calibrated: 06/05/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial:2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

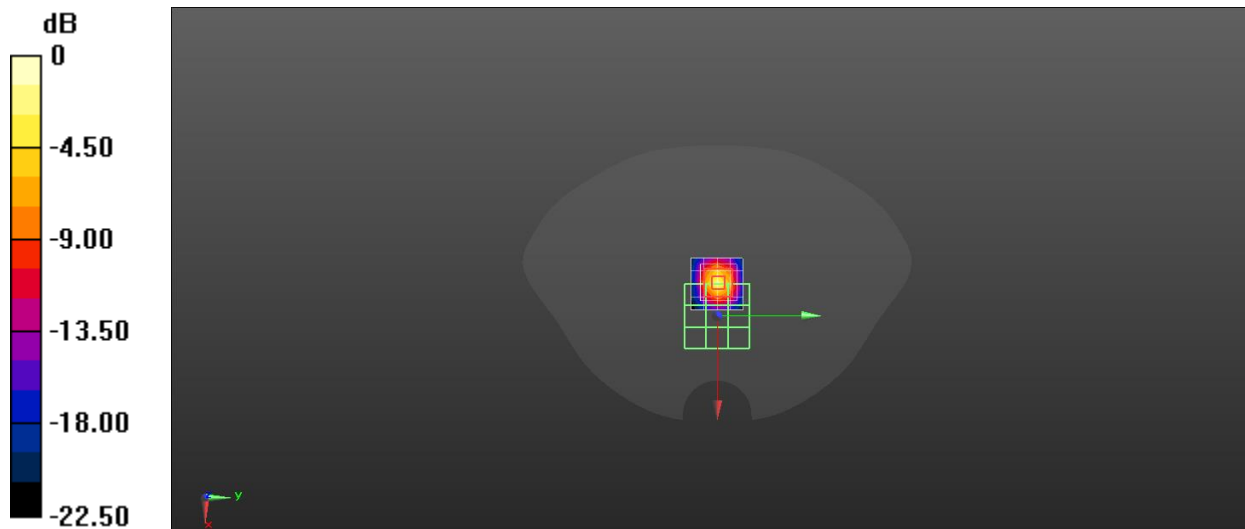
**Configuration/Body/Area Scan (5x5x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 12.8 W/kg

**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 45.23 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 33.4 W/kg

**SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.26 W/kg**

Maximum value of SAR (measured) = 19.1 W/kg



0 dB = 19.1 W/kg = 12.81 dBW/kg

## System Check 2600MHz

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

Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.97$  S/m;  $\epsilon_r = 40.07$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(7.56, 7.56, 7.56) @ 2600 MHz; Calibrated: 27/04/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 06/05/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: 2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x6x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

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

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

Reference Value = 94.03 V/m; Power Drift = -0.04 dB

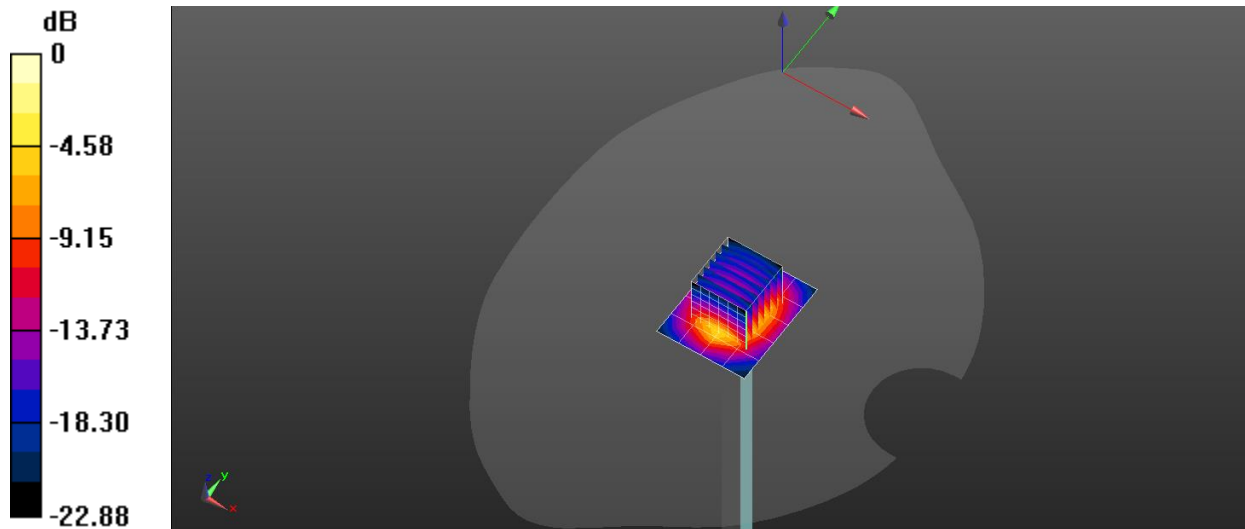
Peak SAR (extrapolated) = 28.6 W/kg

**SAR(1 g) = 13.52 W/kg; SAR(10 g) = 6.16 W/kg**

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 47.4%

Maximum value of SAR (measured) = 23.1 W/kg



0 dB = 23.1 W/kg = 13.63 dBW/kg

### System Check 1900MHz

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.41$  S/m;  $\epsilon_r = 41.11$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(8.26, 8.26, 8.26) @ 1900 MHz; Calibrated: 27/04/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 06/05/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: 2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x6x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

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

Reference Value = 86.98 V/m; Power Drift = 0.06 dB

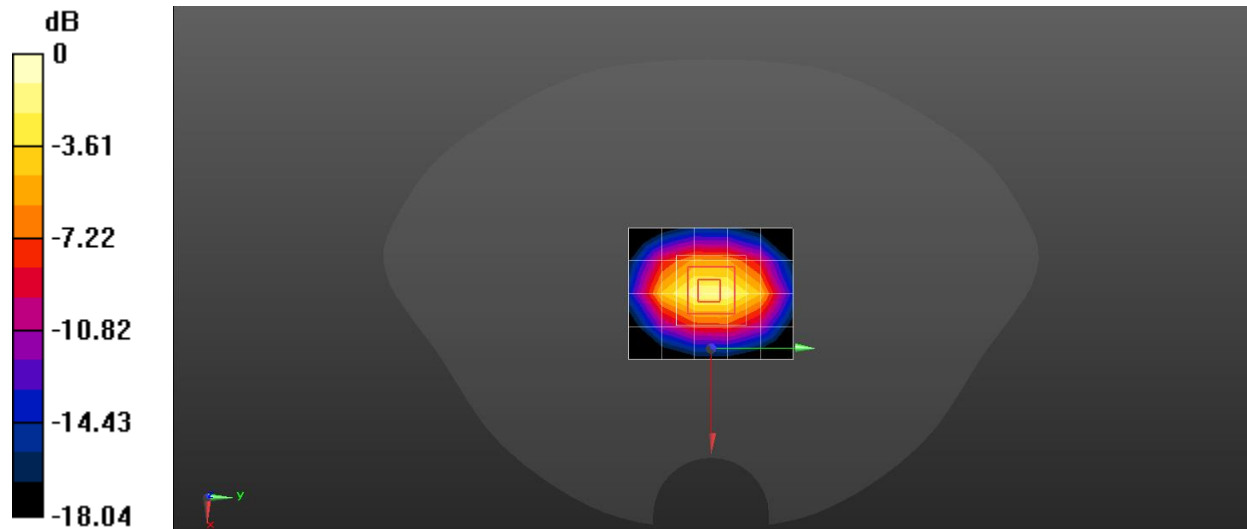
Peak SAR (extrapolated) = 18.4 W/kg

**SAR(1 g) = 9.98 W/kg; SAR(10 g) = 5.17 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 53.4%

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



0 dB = 15.5 W/kg = 11.91 dBW/kg

### System Check 2450MHz

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz;

Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.85$  S/m;  $\epsilon_r = 40.11$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(7.83, 7.83, 7.83) @ 2450 MHz; Calibrated: 27/04/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 06/05/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: 2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (6x6x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 18.8 W/kg

**Configuration/Body/Zoom Scan (7x7x5)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 89.64 V/m; Power Drift = 0.10 dB

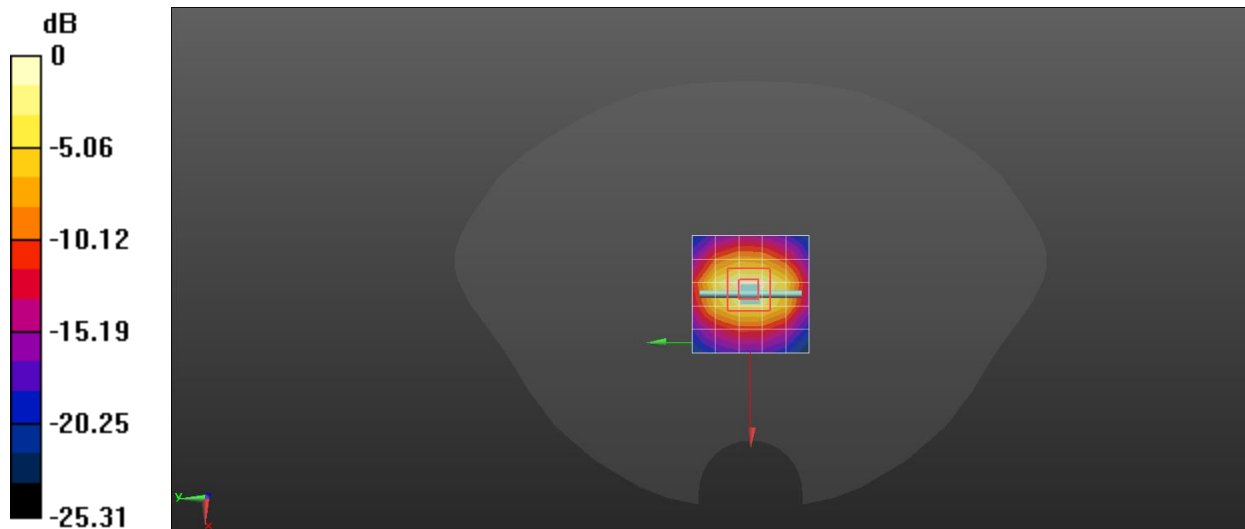
Peak SAR (extrapolated) = 27.7 W/kg

**SAR(1 g) = 13.12 W/kg; SAR(10 g) = 6.08 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 47.5%

Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg = 13.44 dBW/kg

### System Check 835MHz

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

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 42.51$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(10, 10, 10) @ 835 MHz; Calibrated: 27/04/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1673; Calibrated: 06/05/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: 2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x12x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 2.72 W/kg

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

Reference Value = 53.16 V/m; Power Drift = -0.02 dB

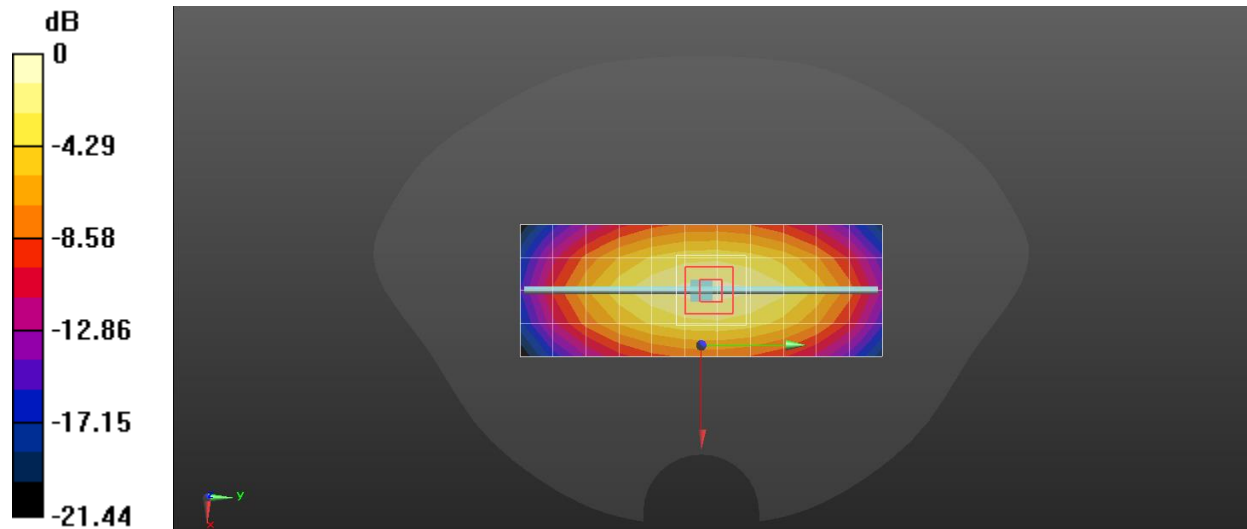
Peak SAR (extrapolated) = 3.59 W/kg

**SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.55 W/kg**

Smallest distance from peaks to all points 3 dB below = 16.3 mm

Ratio of SAR at M2 to SAR at M1 = 65.3%

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



0 dB = 3.18 W/kg = 5.02 dBW/kg

### System Check 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;  $\sigma = 5.22$  S/m;  $\epsilon_r = 36.24$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7589; ConvF(5.1, 5.1, 5.1) @ 5750 MHz; Calibrated: 27/04/2021
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 29.0$
- Electronics: DAE4 Sn1673; Calibrated: 06/05/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: 2001
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

**Configuration/Body/Area Scan (5x5x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 11.5 W/kg

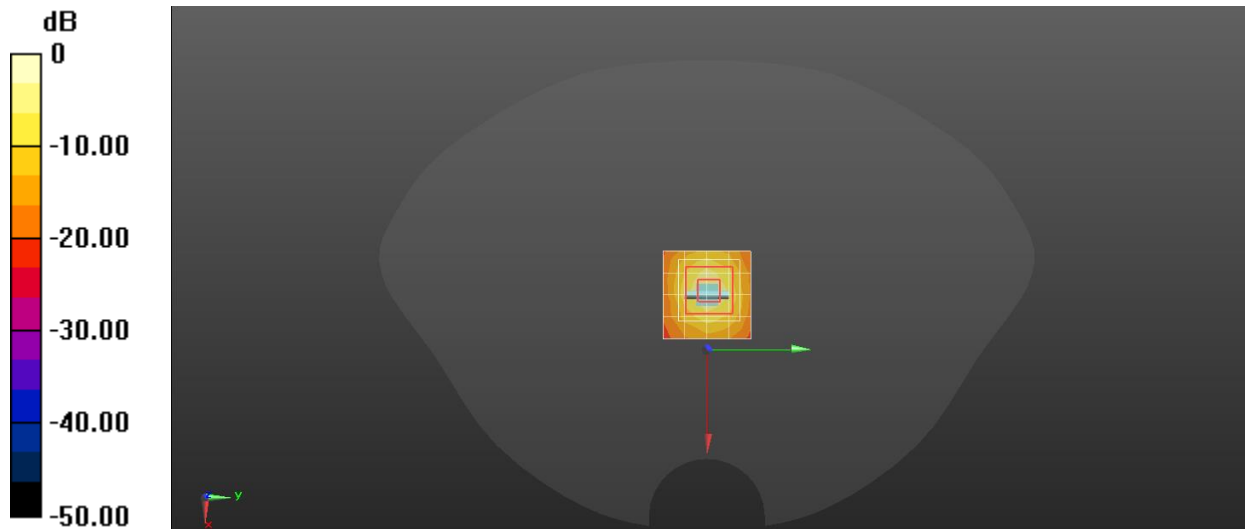
**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 41.30 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 34.9 W/kg

**SAR(1 g) = 7.98 W/kg; SAR(10 g) = 2.31 W/kg**

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

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

Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.3 W/kg = 12.86 dBW/kg