



REPORT No.: SZ24100297S01

## Annex C Plots of System Performance Check

## System Check\_750MHz\_Head

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL\_750 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.928 \text{ S/m}$ ;  $\epsilon_r = 42.584$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(9.85, 9.47, 8.84) @ 750 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW750/Area Scan (81x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.81 W/kg

**CW750/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 55.31 V/m; Power Drift = 0.03 dB

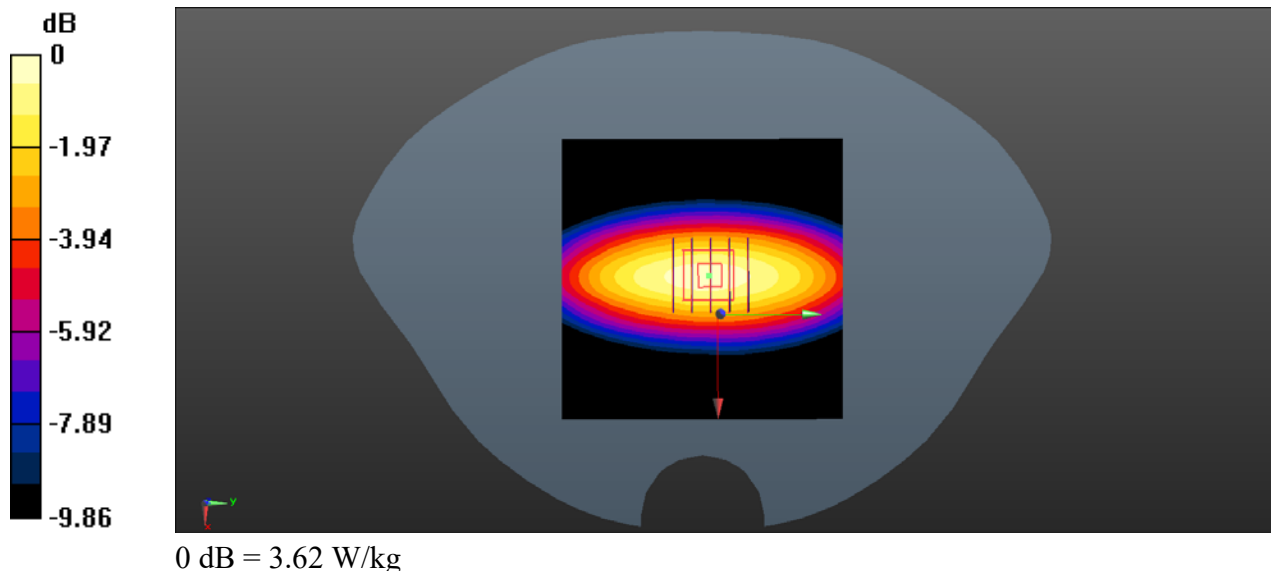
Peak SAR (extrapolated) = 3.07 W/kg

**SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.39 W/kg**

Smallest distance from peaks to all points 3 dB below = 19.4 mm

Ratio of SAR at M2 to SAR at M1 = 70.3%

Maximum value of SAR (measured) = 3.62 W/kg



## System Check\_900MHz\_Head

Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1

Medium: HSL\_900 Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.983 \text{ S/m}$ ;  $\epsilon_r = 42.885$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2^\circ\text{C}$ ; Liquid Temperature :  $22.2^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(9.17, 9.05, 8.22) @ 900 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW900/Area Scan (71x71x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $3.38 \text{ W/kg}$

**CW900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $55.62 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$

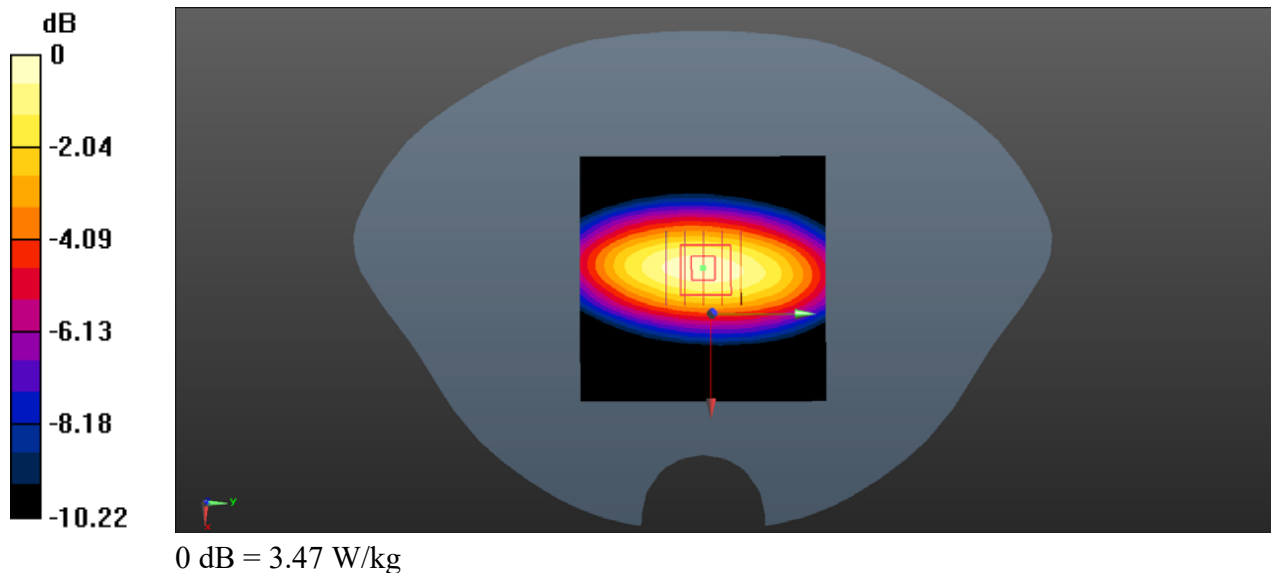
Peak SAR (extrapolated) =  $4.51 \text{ W/kg}$

**SAR(1 g) =  $2.81 \text{ W/kg}$ ; SAR(10 g) =  $1.84 \text{ W/kg}$**

Smallest distance from peaks to all points 3 dB below =  $16 \text{ mm}$

Ratio of SAR at M2 to SAR at M1 =  $66.5\%$

Maximum value of SAR (measured) =  $3.47 \text{ W/kg}$



## System Check\_1800MHz\_Head

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: HSL\_1800 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.438$  S/m;  $\epsilon_r = 40.966$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.94, 7.98, 7.32) @ 1800 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW1800/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 16.03 W/kg

**CW1800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.19 V/m; Power Drift = -0.07 dB

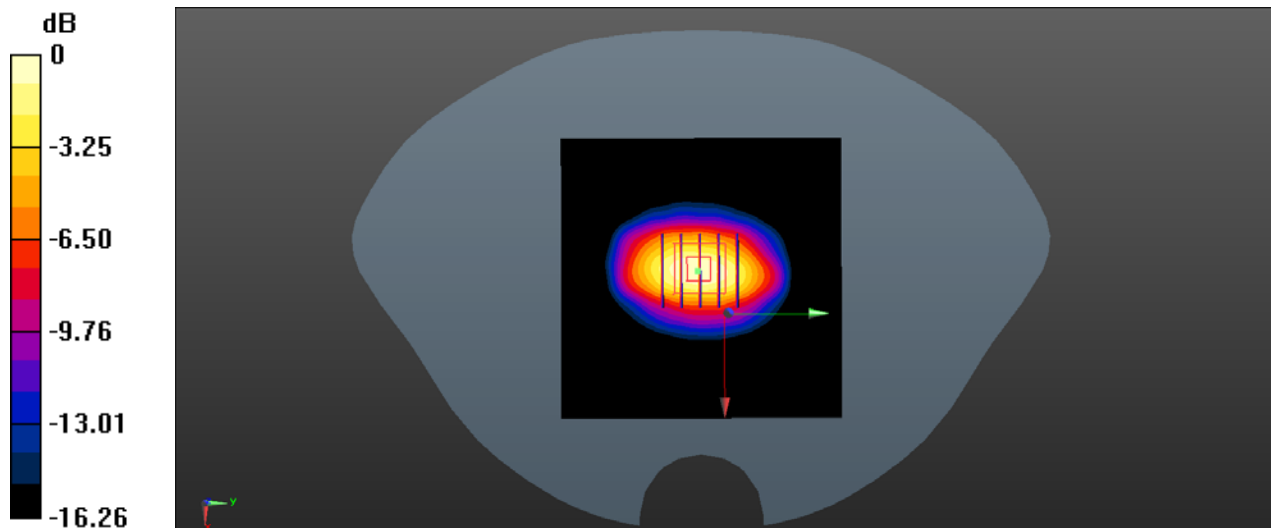
Peak SAR (extrapolated) = 17.03 W/kg

**SAR(1 g) = 10.11 W/kg; SAR(10 g) = 5.14 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.2%

Maximum value of SAR (measured) = 15.65 W/kg



0 dB = 15.65 W/kg

## System Check\_1800MHz\_Head

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1

Medium: HSL\_1800 Medium parameters used:  $f = 1800$  MHz;  $\sigma = 1.448$  S/m;  $\epsilon_r = 40.725$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.94, 7.98, 7.32) @ 1800 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW1800/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 15.32 W/kg

**CW1800/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 92.19 V/m; Power Drift = 0.08 dB

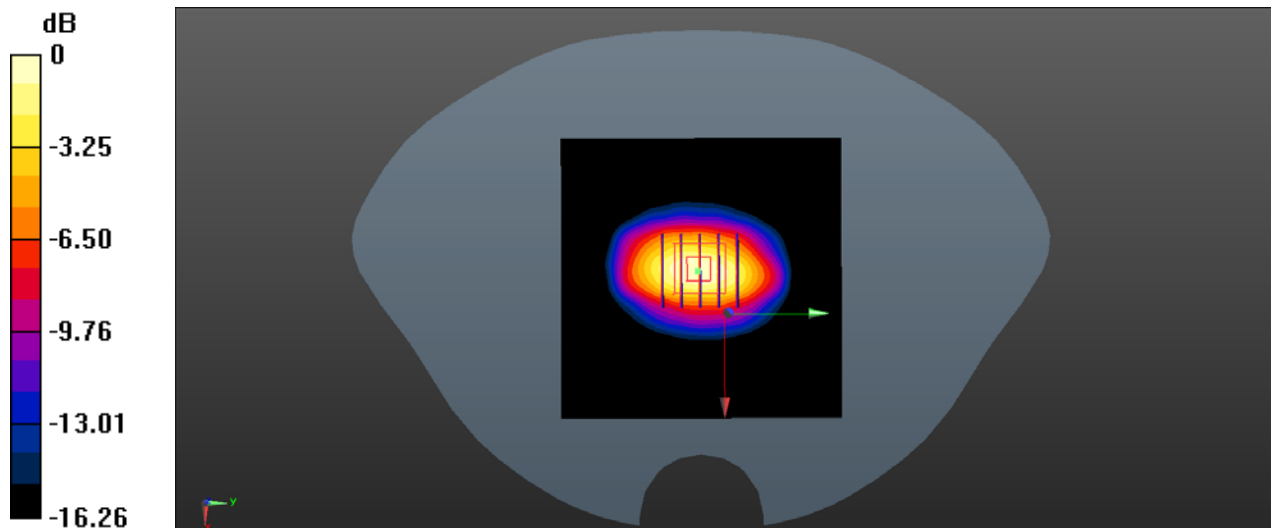
Peak SAR (extrapolated) = 18.26 W/kg

**SAR(1 g) = 10.23 W/kg; SAR(10 g) = 5.02 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.3%

Maximum value of SAR (measured) = 14.29 W/kg



0 dB = 14.29 W/kg

## System Check\_2450MHz\_Head

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL\_2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.841$  S/m;  $\epsilon_r = 39.962$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.31, 7.34, 6.82) @ 2450 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW2450/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 17.18 W/kg

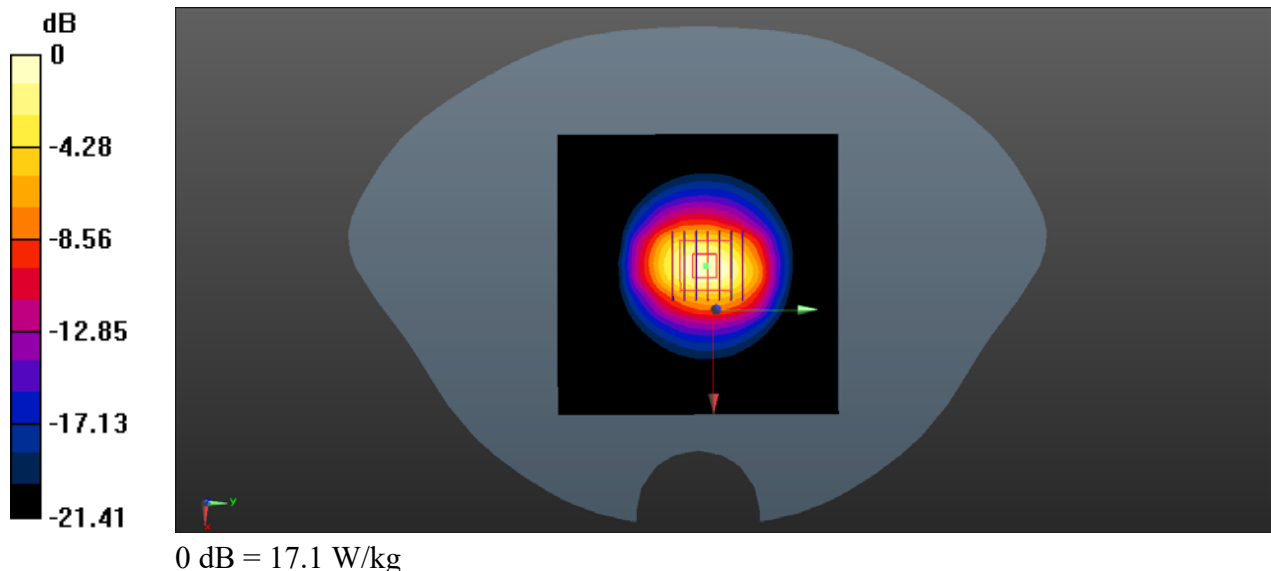
**CW2450/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.32 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 29.0 W/kg

**SAR(1 g) = 13.74 W/kg; SAR(10 g) = 6.25 W/kg**

Maximum value of SAR (measured) = 17.1 W/kg



## System Check\_2600MHz\_Head

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL\_2600 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 1.923$  S/m;  $\epsilon_r = 38.776$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.23, 7.26, 6.75) @ 2600 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW2600/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

**CW2600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.17 V/m; Power Drift = 0.05 dB

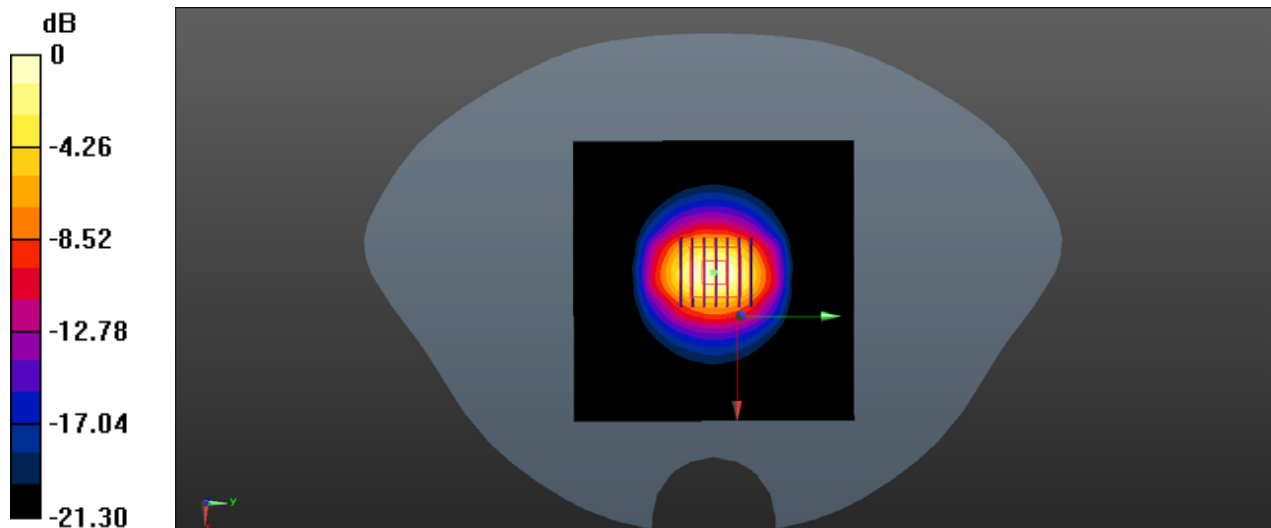
Peak SAR (extrapolated) = 32.5 W/kg

**SAR(1 g) = 15.09 W/kg; SAR(10 g) = 5.85 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 45.7%

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



0 dB = 16.4 W/kg

## System Check\_3500MHz\_Head

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL 3500 Medium parameters used:  $f = 3500$  MHz;  $\sigma = 2.982$  S/m;  $\epsilon_r = 37.662$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(6.28, 6.36, 5.91) @ 3500 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW3500/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 15.3 W/kg

**CW3500/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.54 V/m; Power Drift = 0.05 dB

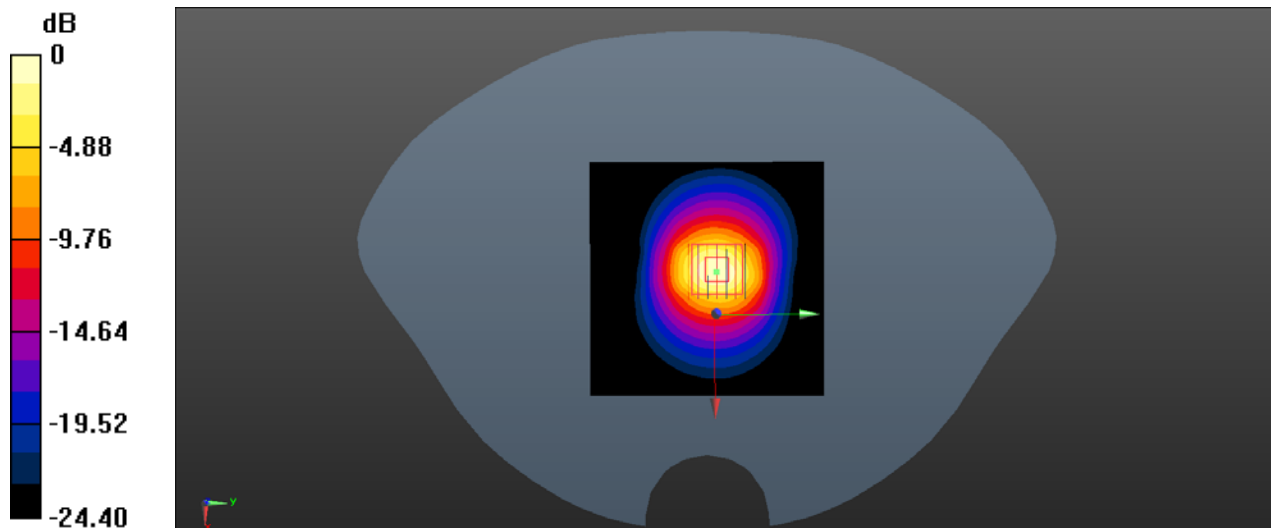
Peak SAR (extrapolated) = 17.5 W/kg

**SAR(1 g) = 7.09 W/kg; SAR(10 g) = 2.49 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 67.5%

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



0 dB = 16.2 W/kg

## System Check\_3500MHz\_Head

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Medium: HSL 3500 Medium parameters used:  $f = 3500$  MHz;  $\sigma = 2.875$  S/m;  $\epsilon_r = 37.931$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(6.28, 6.36, 5.91) @ 3500 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW3500/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 13.4 W/kg

**CW3500/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 53.48 V/m; Power Drift = -0.08 dB

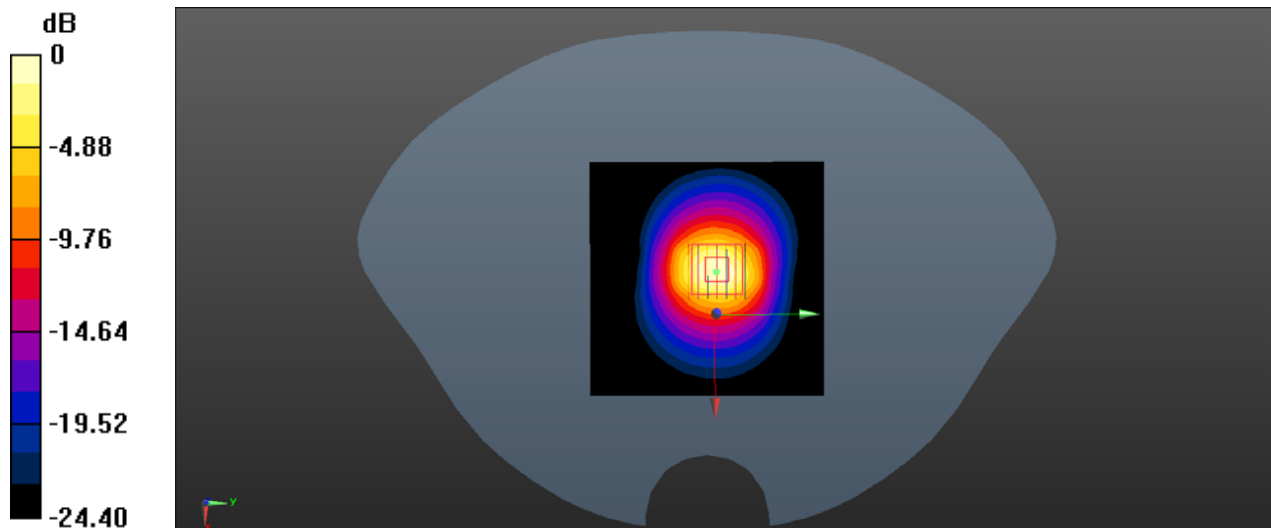
Peak SAR (extrapolated) = 17.2 W/kg

**SAR(1 g) = 7.17 W/kg; SAR(10 g) = 2.58 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 67.2%

Maximum value of SAR (measured) = 13.5 W/kg



0 dB = 13.5 W/kg

## System Check\_3700MHz\_Head

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL 3700 Medium parameters used:  $f = 3700$  MHz;  $\sigma = 3.154$  S/m;  $\epsilon_r = 36.835$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(6.24, 6.29, 5.87) @ 3700 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW3700/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

**CW3700/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.75 V/m; Power Drift = -0.06 dB

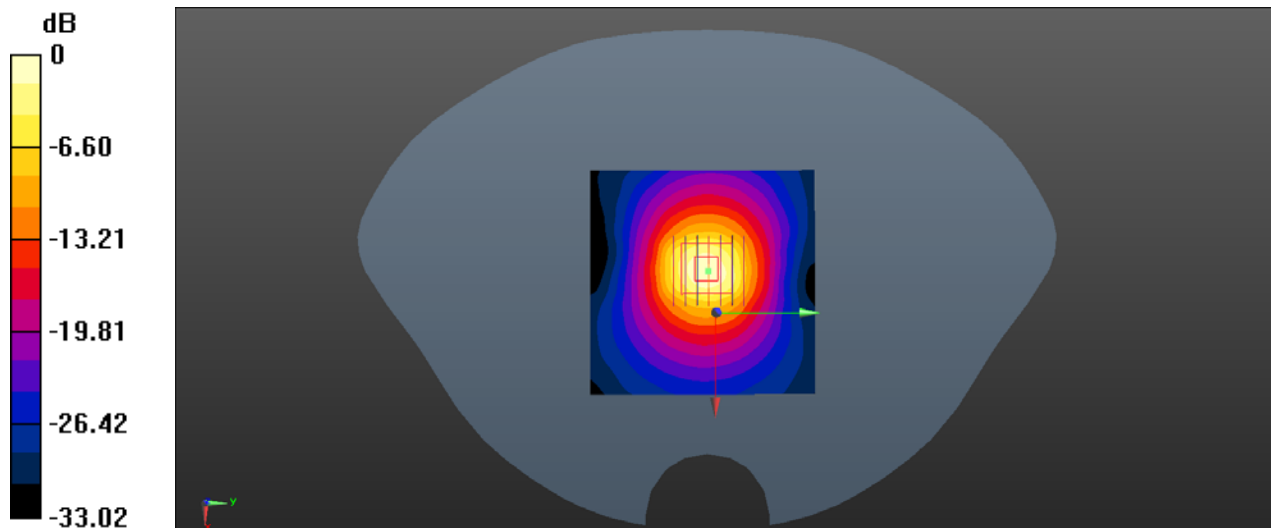
Peak SAR (extrapolated) = 24.9 W/kg

**SAR(1 g) = 7.38 W/kg; SAR(10 g) = 2.33 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 35.3%

Maximum value of SAR (measured) = 16.21 W/kg



0 dB = 16.21 W/kg

## System Check\_3700MHz\_Head

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1

Medium: HSL 3700 Medium parameters used:  $f = 3700$  MHz;  $\sigma = 3.114$  S/m;  $\epsilon_r = 37.042$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(6.24, 6.29, 5.87) @ 3700 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW3700/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 13.7 W/kg

**CW3700/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.51 V/m; Power Drift = -0.11 dB

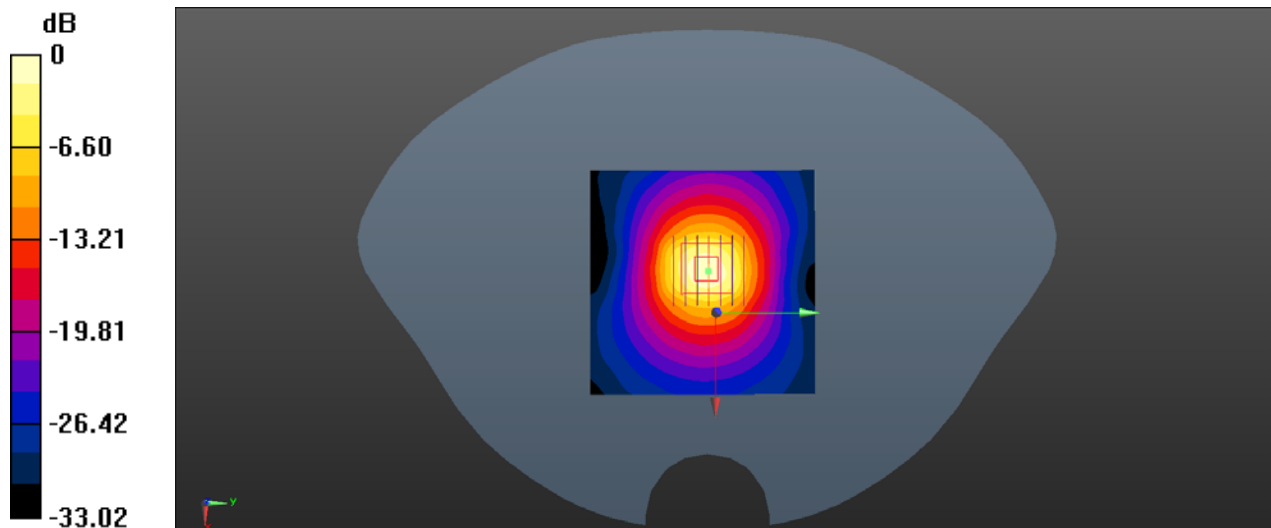
Peak SAR (extrapolated) = 22.3 W/kg

**SAR(1 g) = 7.27 W/kg; SAR(10 g) = 2.29 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 33.3%

Maximum value of SAR (measured) = 14.11 W/kg



0 dB = 14.11 W/kg

## System Check\_3900MHz\_Head

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1

Medium: HSL 3900 Medium parameters used:  $f = 3900$  MHz;  $\sigma = 3.143$  S/m;  $\epsilon_r = 36.964$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(6.15, 6.26, 5.82) @ 3900 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW3900/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 14.9 W/kg

**CW3900/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.32 V/m; Power Drift = -0.14 dB

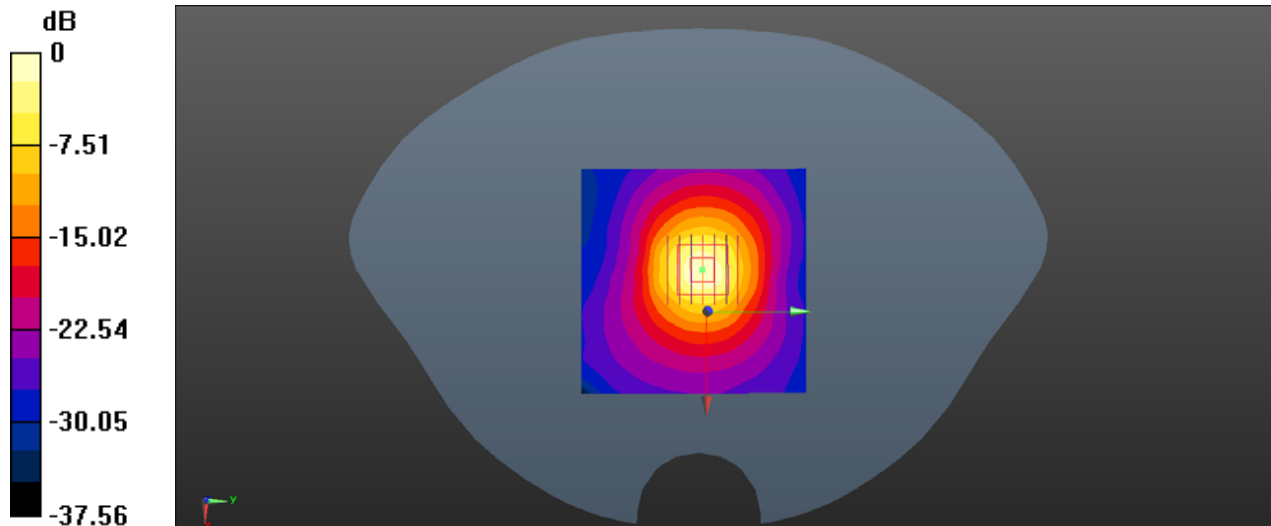
Peak SAR (extrapolated) = 23.11 W/kg

**SAR(1 g) = 7.23 W/kg; SAR(10 g) = 2.42 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 37.22%

Maximum value of SAR (measured) = 15.2 W/kg



0 dB = 15.2 W/kg

## System Check\_3900MHz\_Head

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1

Medium: HSL 3900 Medium parameters used:  $f = 3900$  MHz;  $\sigma = 3.018$  S/m;  $\epsilon_r = 36.511$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(6.15, 6.26, 5.82) @ 3900 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW3900/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

**CW3900/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.14 V/m; Power Drift = -0.04 dB

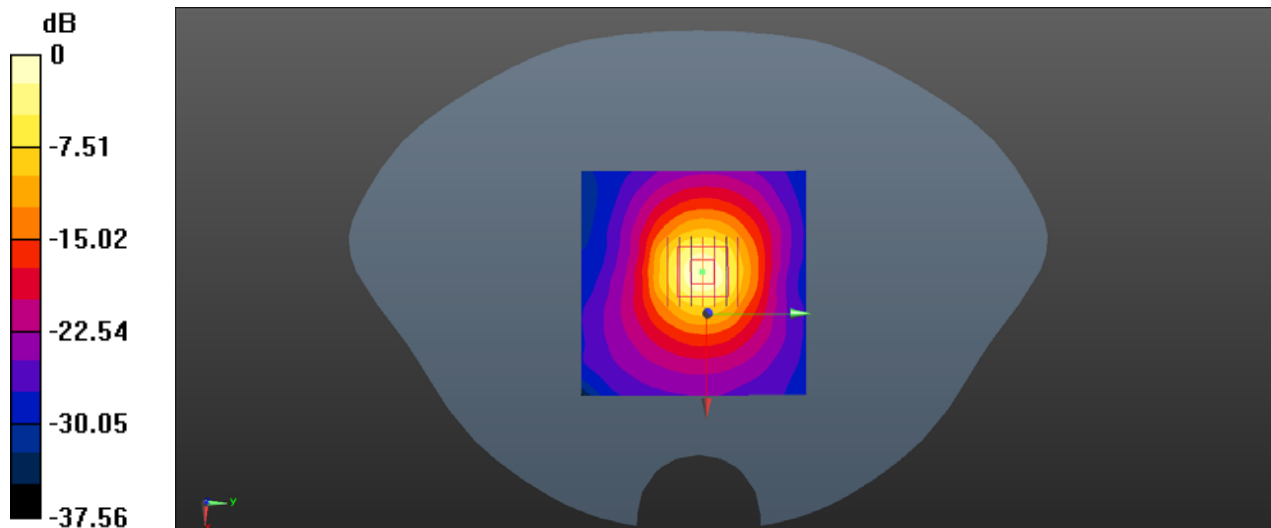
Peak SAR (extrapolated) = 18.23 W/kg

**SAR(1 g) = 7.15 W/kg; SAR(10 g) = 2.31 W/kg**

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 34.11%

Maximum value of SAR (measured) = 11.26 W/kg



0 dB = 11.26 W/kg

## System Check\_5250MHz\_Head

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL\_5250 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.629$  S/m;  $\epsilon_r = 35.914$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(5.41, 5.52, 5.17) @ 5250 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW5250/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 19.48 W/kg

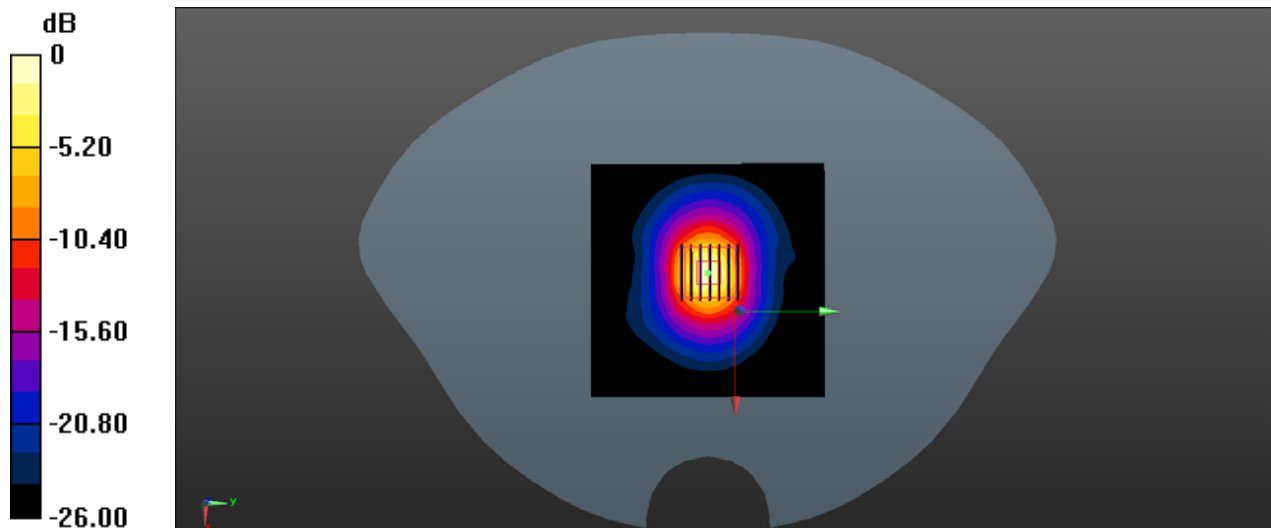
**CW5250/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 45.83 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 37.2 W/kg

**SAR(1 g) = 7.62 W/kg; SAR(10 g) = 2.33 W/kg**

Maximum value of SAR (measured) = 19.33 W/kg



0 dB = 19.33 W/kg

## System Check\_5750MHz\_Head

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL\_5750 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.118$  S/m;  $\epsilon_r = 37.034$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(4.76, 4.89, 4.54) @ 5750 MHz; Calibrated: 2024/3/21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024/3/27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**CW5750/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 18.25 W/kg

**CW5750/Zoom Scan (7x7x13)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 42.64 V/m; Power Drift = 0.11 dB

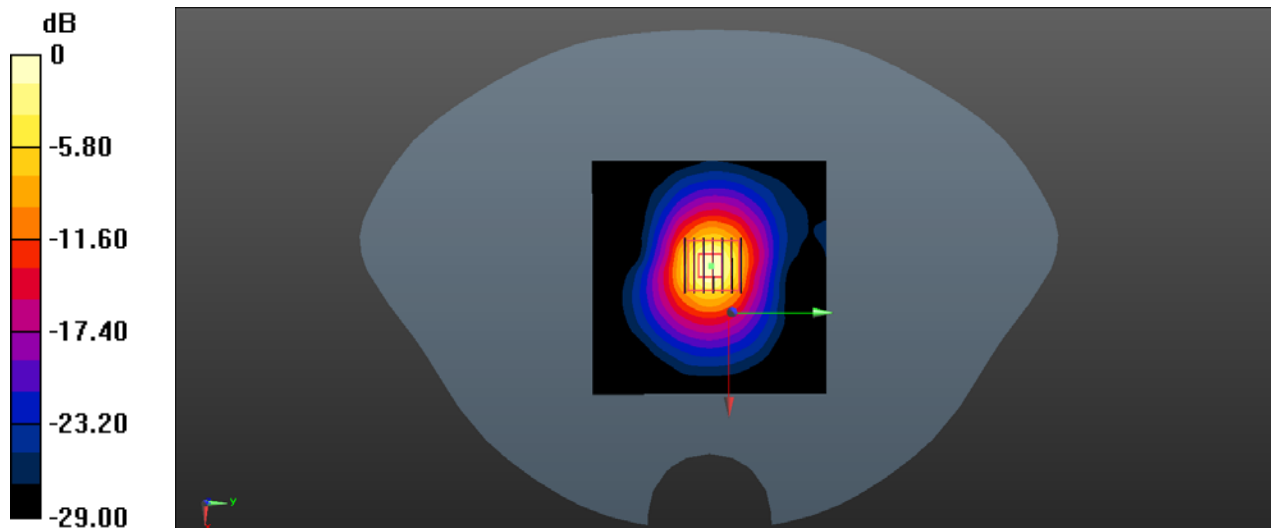
Peak SAR (extrapolated) = 43.2 W/kg

**SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.11 W/kg**

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

Ratio of SAR at M2 to SAR at M1 = 55.4%

Maximum value of SAR (measured) = 22.13 W/kg



0 dB = 22.13 W/kg