



REPORT No.: SZ21110467S01

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: $f = 750 \text{ MHz}$; $\sigma = 0.916 \text{ S/m}$; $\epsilon_r = 41.638$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.04, 7.04, 7.04) @ 2535 MHz; Calibrated: 2021.07.26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2021.10.19
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2020
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 2.76 W/kg

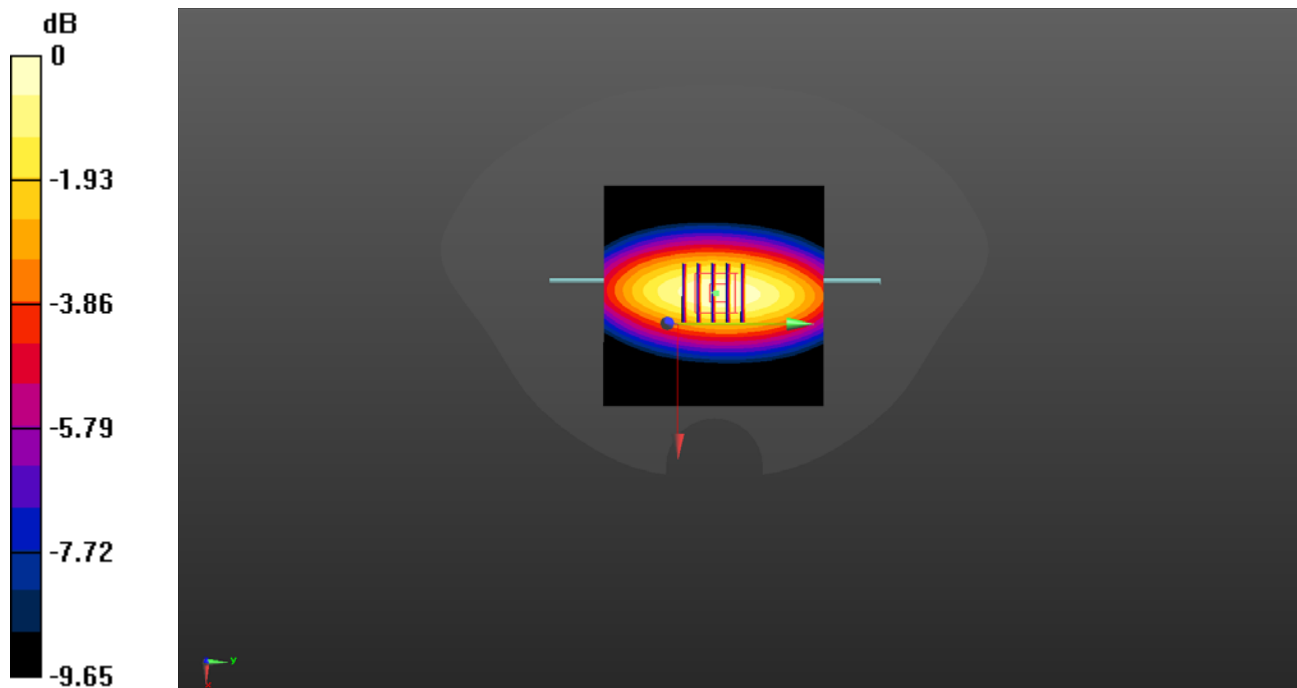
CW750/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.44 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.87 W/kg

SAR(1 g) = 2.03 W/kg ; SAR(10 g) = 1.37 W/kg

Maximum value of SAR (measured) = 2.74 W/kg



0 dB = 2.76 W/kg = 4.41 dBW/kg

System Check_900MHz_Head

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

Medium: HSL_900 Medium parameters used: $f = 900$ MHz; $\sigma = 0.981$ S/m; $\epsilon_r = 41.026$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(9.57, 9.57, 9.57) @ 900 MHz; Calibrated: 2020.11.27
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2021.10.19
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2020
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

CW900/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

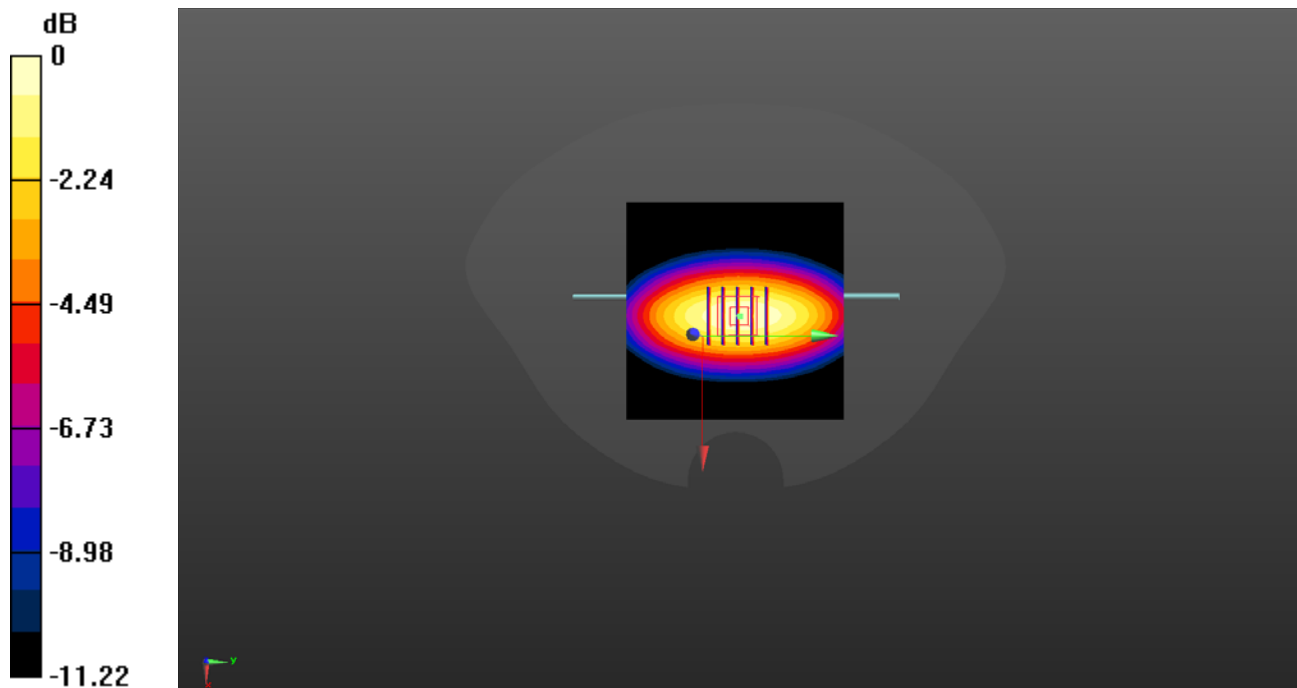
CW900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.98 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.04 W/kg

SAR(1 g) = 2.78 W/kg; SAR(10 g) = 1.75 W/kg

Maximum value of SAR (measured) = 3.49 W/kg



0 dB = 3.46 W/kg = 5.39 dBW/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; $\sigma = 1.423$ S/m; $\epsilon_r = 39.211$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.19, 9.19, 9.19) @ 836.5 MHz; Calibrated: 2021.07.26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2021.10.19
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2020
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 7.16 W/kg

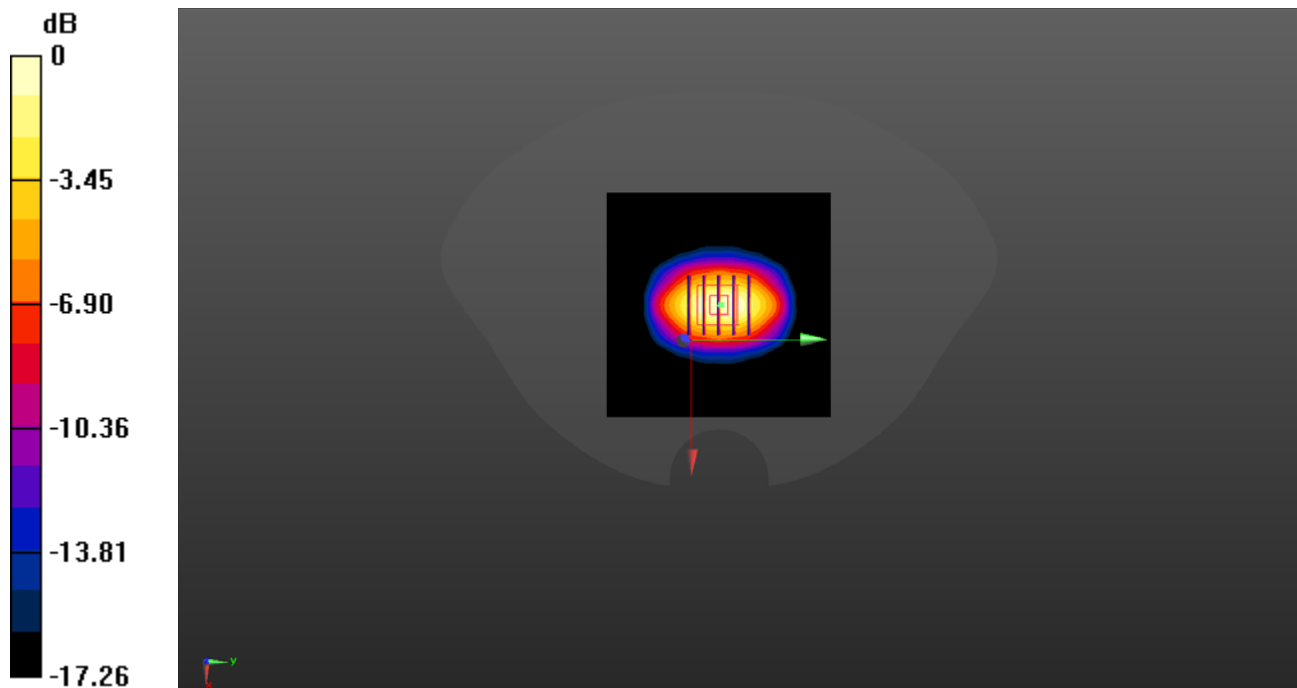
CW1800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 69.94 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 10.03 W/kg; SAR(10 g) = 5.23 W/kg

Maximum value of SAR (measured) = 7.04 W/kg



0 dB = 7.16 W/kg

System Check_2000MHz_Head

Communication System: UID 0, CW (0); Frequency: 2000 MHz; Duty Cycle: 1:1

Medium: HSL_2000 Medium parameters used: $f = 2000$ MHz; $\sigma = 1.371$ S/m; $\epsilon_r = 39.185$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.19, 9.19, 9.19) @ 836.5 MHz; Calibrated: 2021.07.26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2021.10.19
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2020
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

CW2000/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.47 W/kg

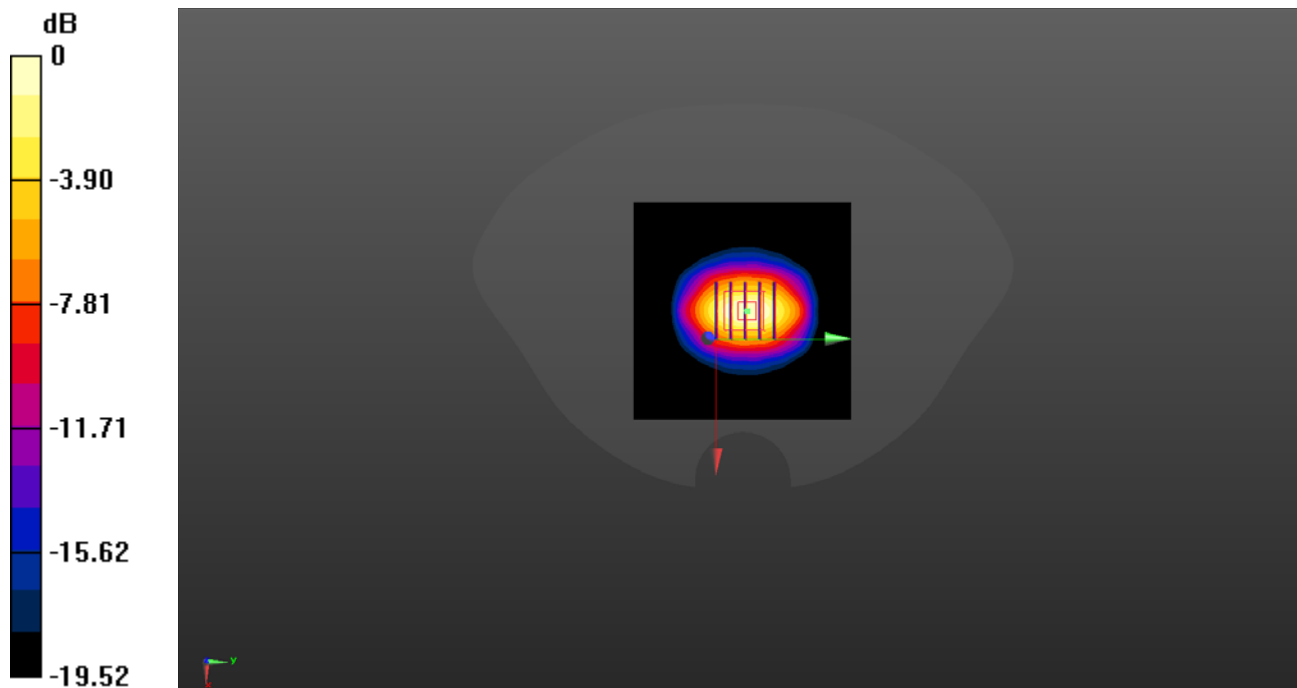
CW2000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.96 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 9.49 W/kg

SAR(1 g) = 10.32 W/kg; SAR(10 g) = 5.11 W/kg

Maximum value of SAR (measured) = 5.44 W/kg



0 dB = 5.47 W/kg

System Check_2450MHz_Head

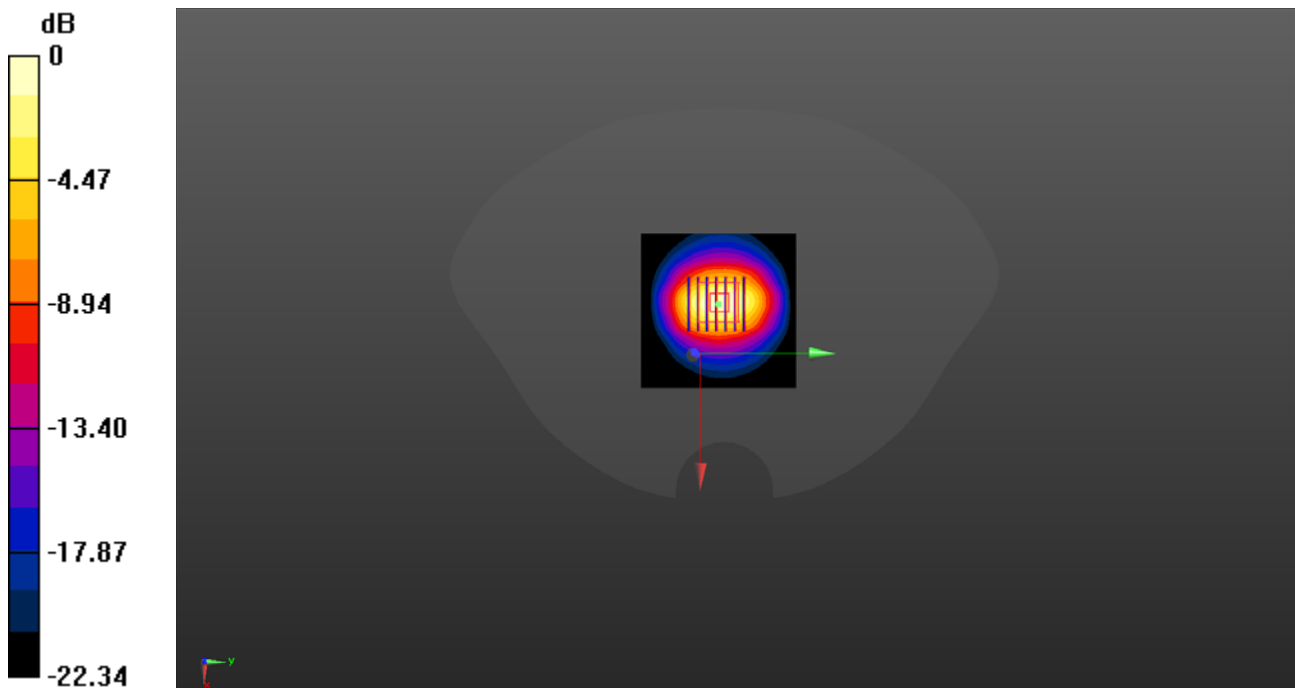
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.811$ S/m; $\epsilon_r = 39.161$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(9.19, 9.19, 9.19) @ 836.5 MHz; Calibrated: 2021.07.26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2021.10.19
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2020
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

CW2450/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 22.1 W/kg

CW2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.49 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 28.8 W/kg
SAR(1 g) = 13.12 W/kg; SAR(10 g) = 6.01 W/kg
Maximum value of SAR (measured) = 21.3 W/kg



0 dB = 22.1 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; $\sigma = 1.946$ S/m; $\epsilon_r = 38.542$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.04, 7.04, 7.04) @ 2600 MHz; Calibrated: 2021.07.26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2021.10.19
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: TP:2020
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.14 (7483)

CW2600/Area Scan (81x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 16.9 W/kg

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

Reference Value = 87.76 V/m; Power Drift = 0.02 dB

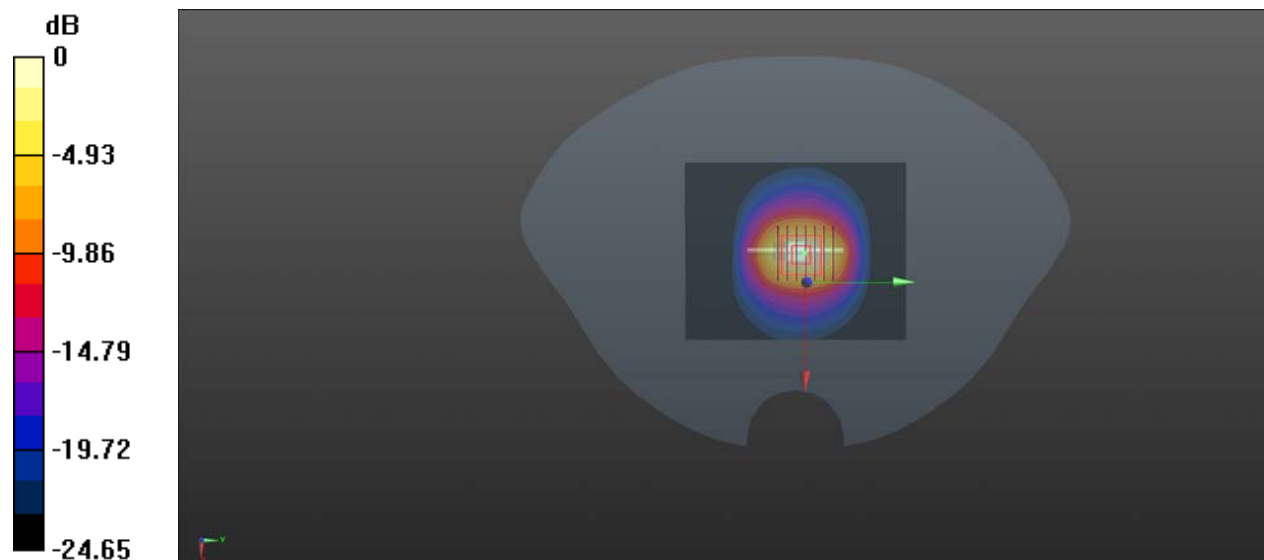
Peak SAR (extrapolated) = 31.7 W/kg

SAR(1 g) = 13.53 W/kg; SAR(10 g) = 6.27 W/kg

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

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

Maximum value of SAR (measured) = 16.0 W/kg



0 dB = 16.0 W/kg