



Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_Head_2450MHz

DUT:D2450V2 - SN:1040

Communication System: ; Frequency: 2450.000

Medium: HSL. Medium parameters used: $f= 2450.000$ MHz; $\sigma= 1.86$ S/m; $\epsilon_r = 38.4$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(7.47, 8.61, 7.55); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2023-04-24
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.2.4.2448

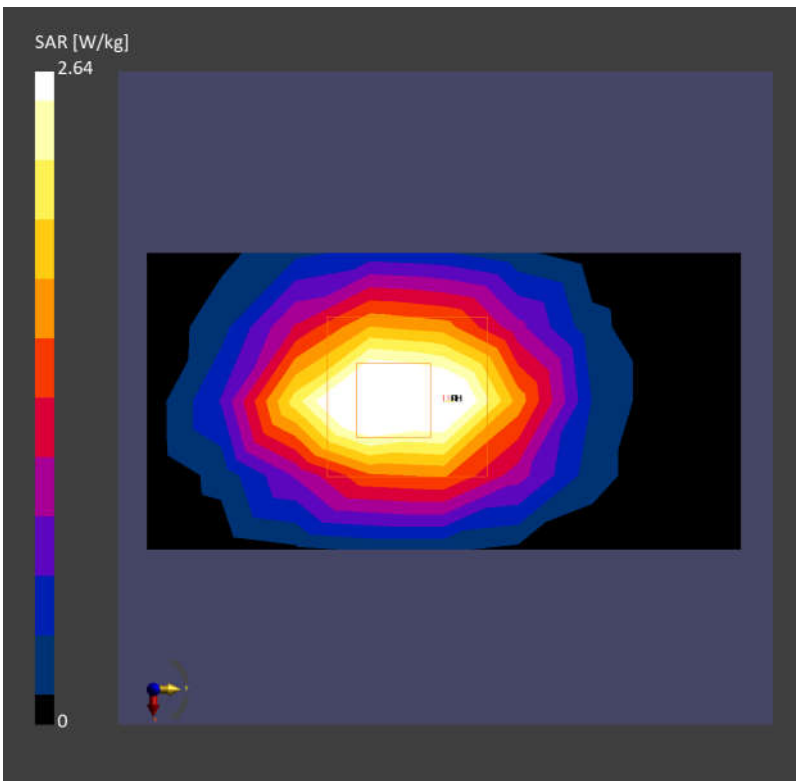
Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 2.58 W/kg; SAR (10g) = 1.22 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = 0.01 dB

SAR (1g) = 2.64 W/kg; SAR (10g) = 1.27 W/kg;



System Check_Head_5250MHz

DUT:D5GHzV2-SN:1113

Communication System: ; Frequency: 5250.000

Medium: HSL. Medium parameters used: $f= 5250.000$ MHz; $\sigma= 4.57$ S/m; $\epsilon_r = 35.5$

Ambient Temperature: 23.3°C; Liquid Temperature: 22.9°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(5.84, 6.82, 5.88); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2023-04-24
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.2.4.2448

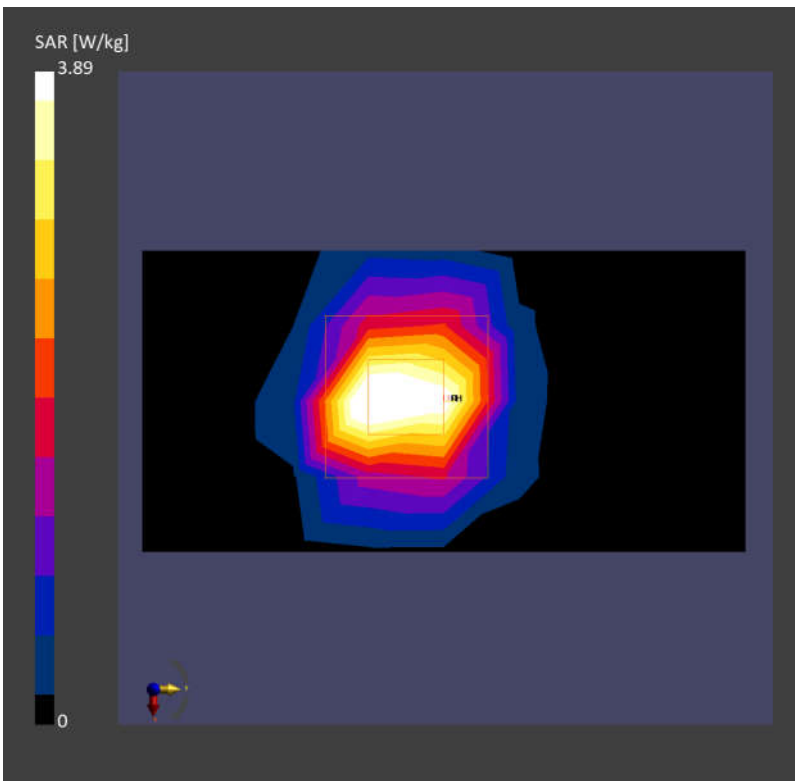
Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 3.39 W/kg; SAR (10g) = 1.06 W/kg;

Zoom Scan (24.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.02 dB

SAR (1g) = 3.89 W/kg; SAR (10g) = 1.15 W/kg;



System Check_Head_5600MHz

DUT:D5GHzV2-SN:1113

Communication System: ; Frequency: 5600.000

Medium: HSL. Medium parameters used: $f= 5600.000$ MHz; $\sigma= 4.95$ S/m; $\epsilon_r = 34.8$

Ambient Temperature: 23.1°C; Liquid Temperature: 22.8°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(4.83, 5.71, 4.9); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2023-04-24
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.2.4.2448

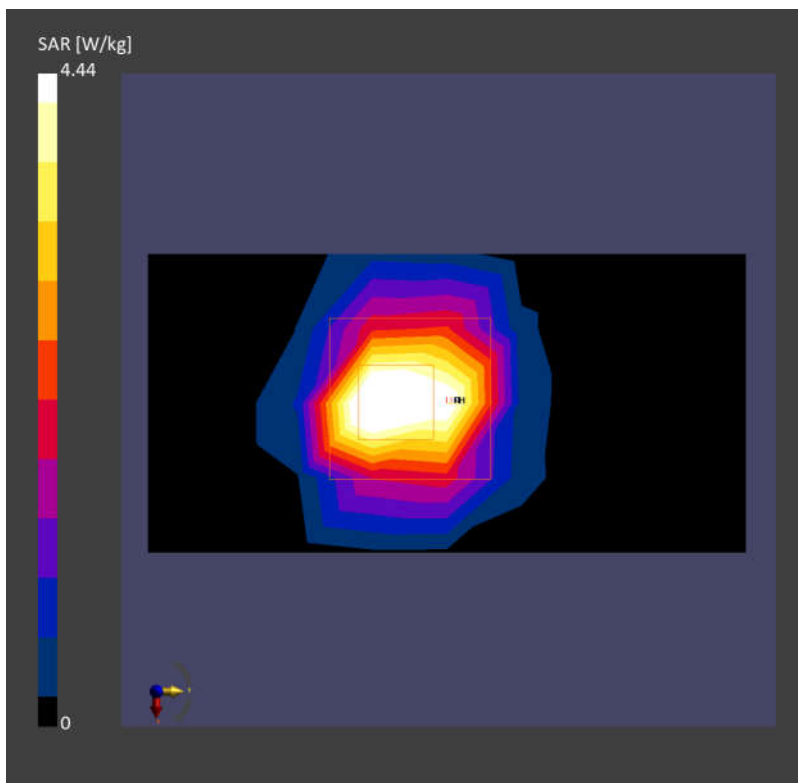
Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 4.13 W/kg; SAR (10g) = 1.27 W/kg;

Zoom Scan (24.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.03 dB

SAR (1g) = 4.44 W/kg; SAR (10g) = 1.26 W/kg;



System Check_Head_5750MHz

DUT:D5GHzV2-SN:1113

Communication System: ; Frequency: 5750.000

Medium: HSL. Medium parameters used: $f= 5750.000$ MHz; $\sigma= 5.13$ S/m; $\epsilon_r = 34.6$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.7°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(5.03, 5.88, 5.16); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2023-04-24
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.2.4.2448

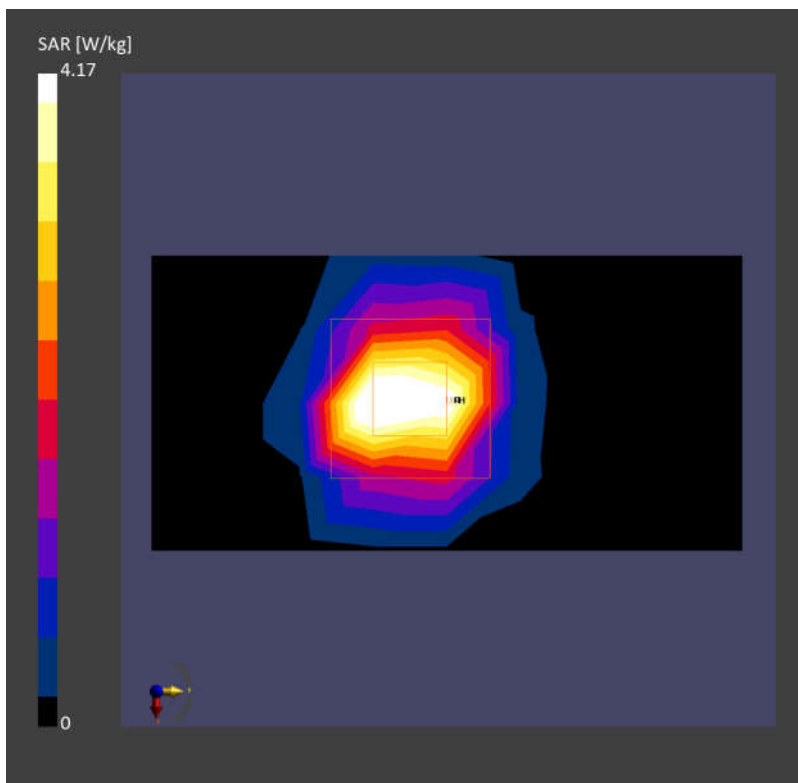
Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 3.73 W/kg; SAR (10g) = 1.15 W/kg;

Zoom Scan (24.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.01 dB

SAR (1g) = 4.17 W/kg; SAR (10g) = 1.22 W/kg;



System Check_Head_2450MHz

DUT:D2450V2 - SN:1095

Communication System: ; Frequency: 2450.000

Medium: Head Simulating Liquid. Medium parameters used: $f= 2450.000$ MHz; $\sigma= 1.83$ S/m; $\epsilon_r = 37.5$

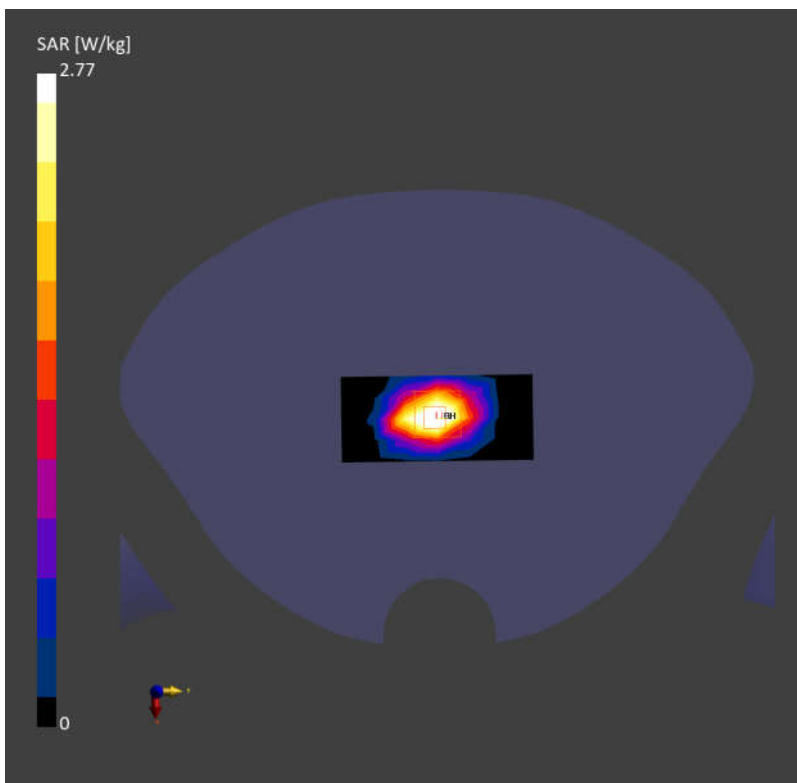
Ambient Temperature: 23.3°C; Liquid Temperature: 22.7°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(7.47, 8.61, 7.55); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2022
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.69 W/kg; SAR (10g) = 1.26 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm;
Graded Ratio:1.5
Power Drift = -0.02 dB
SAR (1g) = 2.77 W/kg; SAR (10g) = 1.31 W/kg;
Smallest distance from peaks to all points 3dB below is 9.0 mm Ratio of SAR at M2 to SAR at M1 = 82.4 %



SystemCheck_Head_5250MHz

DUT:D5GHzV2 - SN:1113

Communication System: ; Frequency: 5250.000

Medium: Head Simulating Liquid. Medium parameters used: $f= 5250.000$ MHz; $\sigma= 4.60$ S/m; $\epsilon_r = 35.9$

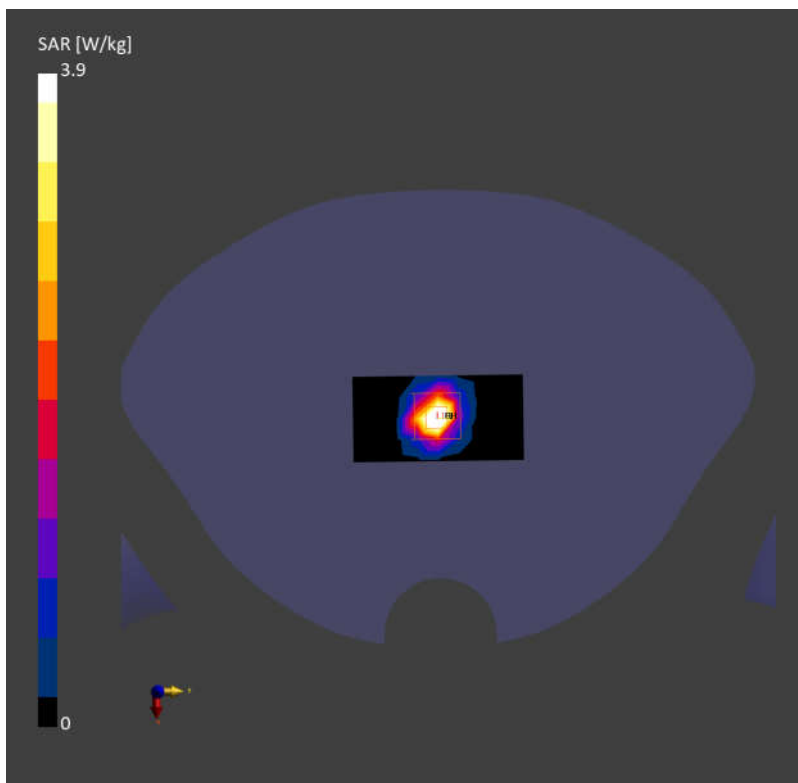
Ambient Temperature: 23.4°C; Liquid Temperature: 22.6°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(5.84, 6.82, 5.88); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2022
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 3.44 W/kg; SAR (10g) = 1.01 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm;
Graded Ratio:1.4
Power Drift = 0.03 dB
SAR (1g) = 3.90 W/kg; SAR (10g) = 1.14 W/kg;
Smallest distance from peaks to all points 3dB below is 6.5 mm Ratio of SAR at M2 to SAR at M1 = 66.3 %



SystemCheck_Head_5600MHz

DUT:D5GHzV2 - SN:1113

Communication System: ; Frequency: 5600.000

Medium: Head Simulating Liquid. Medium parameters used: $f= 5600.000$ MHz; $\sigma= 5.00$ S/m; $\epsilon_r = 35.3$

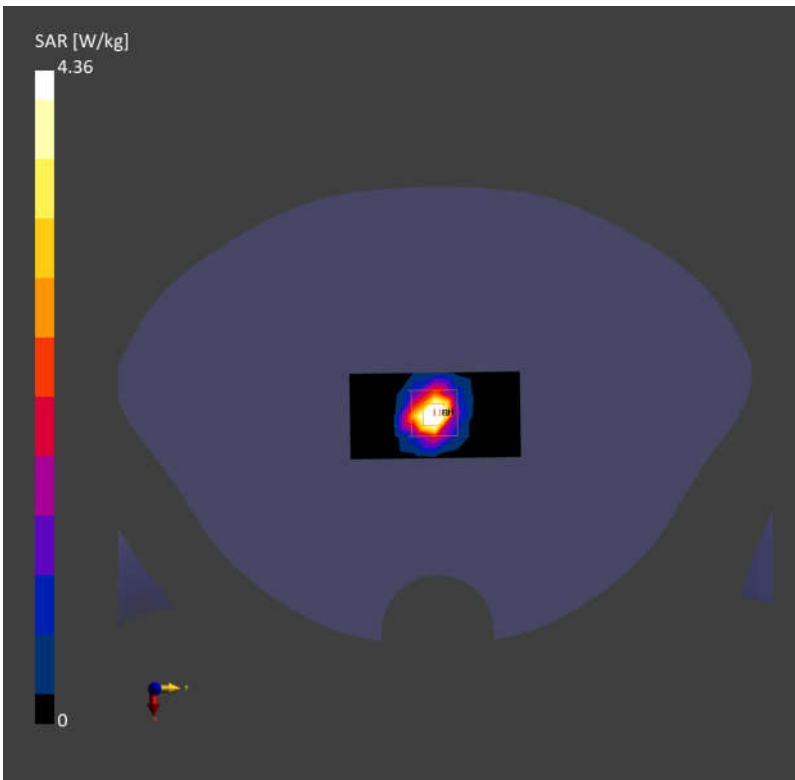
Ambient Temperature: 23.4°C; Liquid Temperature: 22.6°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(4.83, 5.71, 4.9); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2022
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 3.91 W/kg; SAR (10g) = 1.13 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm;
Graded Ratio:1.4
Power Drift = 0.07 dB
SAR (1g) = 4.36 W/kg; SAR (10g) = 1.26 W/kg;
Smallest distance from peaks to all points 3dB below is 6.5 mm Ratio of SAR at M2 to SAR at M1 = 64.4 %



SystemCheck_Head_5750MHz

DUT:D5GHzV2 - SN:1113

Communication System: ; Frequency: 5750.000

Medium: Head Simulating Liquid. Medium parameters used: $f= 5750.000$ MHz; $\sigma= 5.17$ S/m; $\epsilon_r = 35.1$

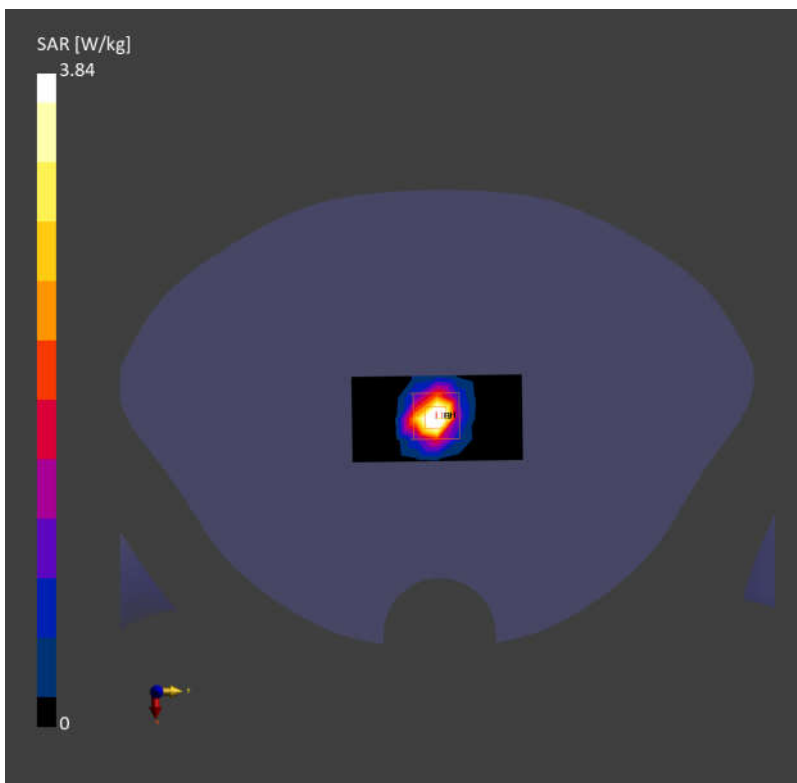
Ambient Temperature: 23.4°C; Liquid Temperature: 22.6°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(5.03, 5.88, 5.16); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1691; Calibrated: 2024-04-19
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2022
- Measurement Software: cDASY6 V6.6.0.13926

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 3.41 W/kg; SAR (10g) = 0.995 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm;
Graded Ratio:1.4
Power Drift = 0.02 dB
SAR (1g) = 3.84 W/kg; SAR (10g) = 1.12 W/kg;
Smallest distance from peaks to all points 3dB below is 6.8 mm Ratio of SAR at M2 to SAR at M1 = 63.7 %





Appendix B. Plots of SAR Measurement

The plots are shown as follows.

01_WLAN2.4GHz_802.11b 1Mbps_Bottom Face_0mm_Ch11

Communication System: WLAN 2.4GHz; Frequency: 2462.000

Medium: HSL. Medium parameters used: $f = 2462.000$ MHz; $\sigma = 1.84$ S/m; $\epsilon_r = 39.2$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(7.47, 8.61, 7.55); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2023-04-24
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.2.4.2448

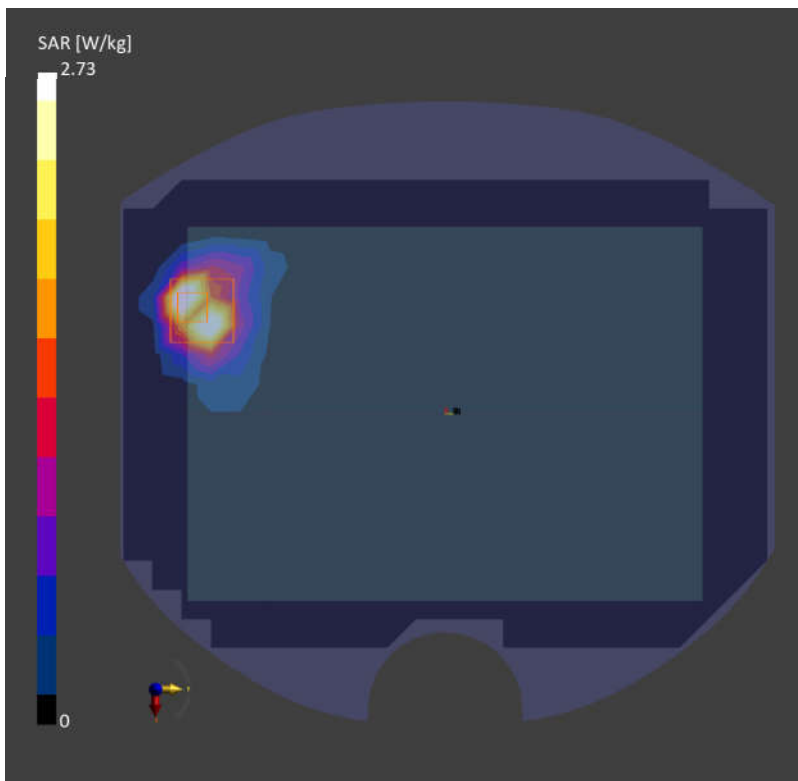
Area Scan (160.0 mm x 220.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 2.81 W/kg; SAR (10g) = 1.20 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = 0.07 dB

SAR (1g) = 2.73 W/kg; SAR (10g) = 1.11 W/kg;



02_Bluetooth_1Mbps_Bottom Face_0mm_Ch39

Communication System: ISM 2.4 GHz Band; Frequency: 2441.000

Medium: HSL. Medium parameters used: $f = 2441.000$ MHz; $\sigma = 1.83$ S/m; $\epsilon_r = 39.2$

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

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(7.47, 8.61, 7.55); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2023-04-24
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.2.4.2448

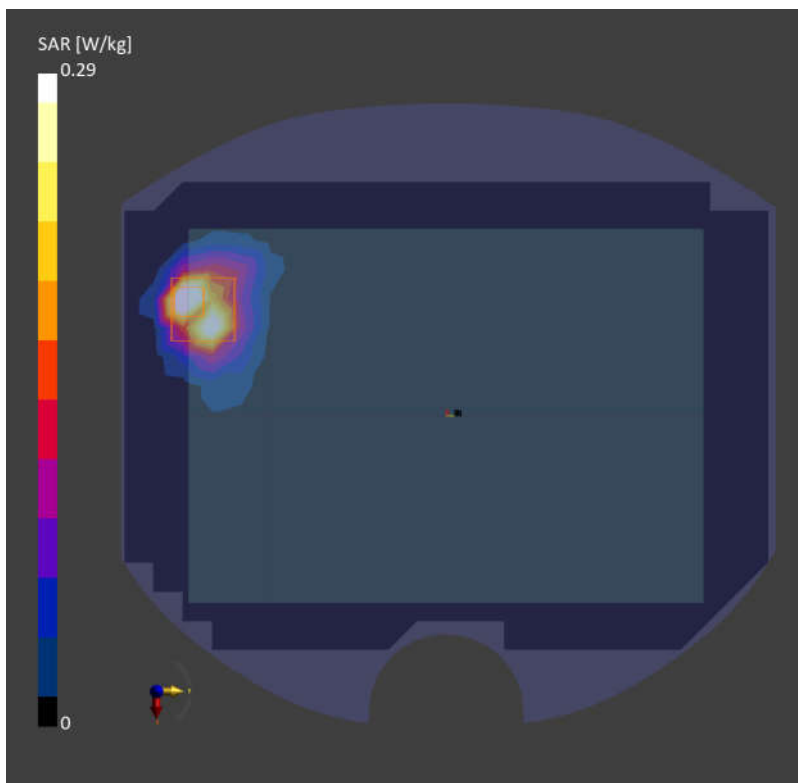
Area Scan (160.0 mm x 220.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 0.267 W/kg; SAR (10g) = 0.120 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = -0.03 dB

SAR (1g) = 0.290 W/kg; SAR (10g) = 0.116 W/kg;



03_WLAN5GHz_802.11n-HT40 MCS0_Edge 3_0mm_Ch54

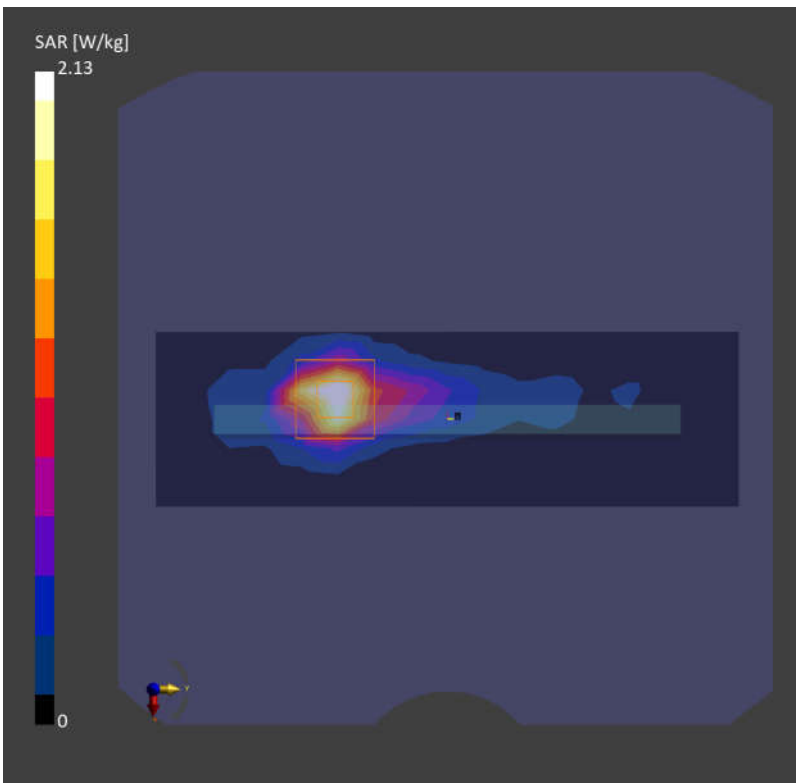
Communication System: WLAN 5GHz; Frequency: 5270.000
Medium: HSL. Medium parameters used: $f= 5270.000$ MHz; $\sigma= 4.59$ S/m; $\epsilon_r = 35.4$
Ambient Temperature: 23.3°C; Liquid Temperature: 22.9°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(5.84, 6.82, 5.88); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2023-04-24
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.2.4.2448

Area Scan (48.0 mm x 160.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 1.70 W/kg; SAR (10g) = 0.551 W/kg;

Zoom Scan (24.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm
Power Drift = -0.13 dB
SAR (1g) = 2.13 W/kg; SAR (10g) = 0.634 W/kg;



04_WLAN5GHz_802.11n-HT40 MCS0_Edge 3_0mm_Ch126

Communication System: WLAN 5GHz; Frequency: 5630.000

Medium: HSL. Medium parameters used: $f= 5630.000$ MHz; $\sigma= 4.99$ S/m; $\epsilon_r = 34.8$

Ambient Temperature: 23.1°C; Liquid Temperature: 22.8°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(4.83, 5.71, 4.9); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2023-04-24
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.2.4.2448

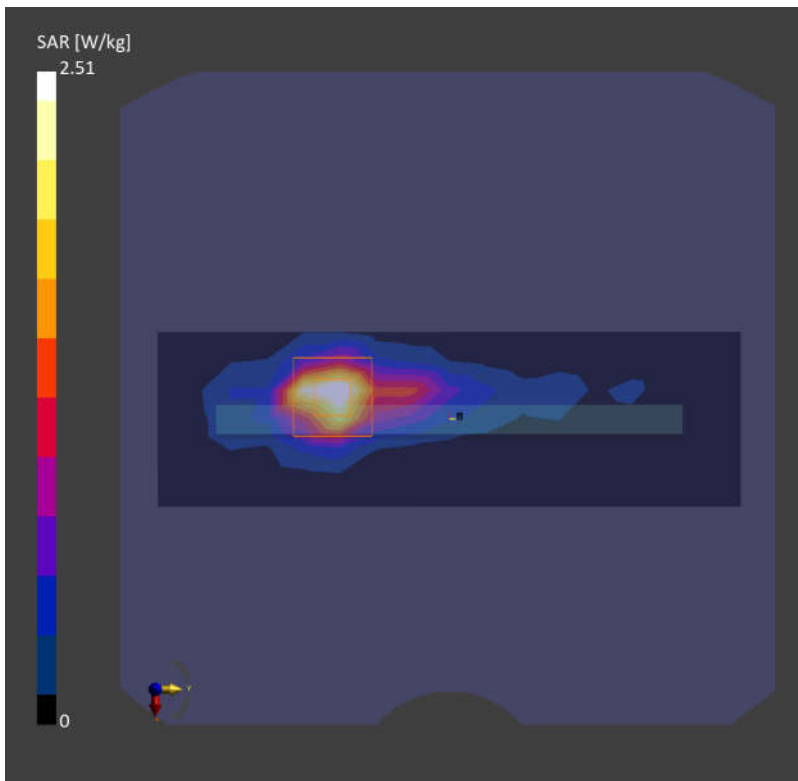
Area Scan (48.0 mm x 160.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 2.00 W/kg; SAR (10g) = 0.641 W/kg;

Zoom Scan (24.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.09 dB

SAR (1g) = 2.51 W/kg; SAR (10g) = 0.729 W/kg;



05_WLAN5GHz_802.11n-HT40 MCS0_Edge 3_0mm_Ch159

Communication System: WLAN 5GHz; Frequency: 5795.000

Medium: HSL. Medium parameters used: $f= 5795.000$ MHz; $\sigma= 5.18$ S/m; $\epsilon_r = 34.5$

Ambient Temperature: 23.4°C; Liquid Temperature: 22.7°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7706; ConvF(5.03, 5.88, 5.16); Calibrated: 2024-01-24
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1649; Calibrated: 2023-04-24
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2024
- Measurement Software: 16.2.4.2448

Area Scan (48.0 mm x 160.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 2.09 W/kg; SAR (10g) = 0.621 W/kg;

Zoom Scan (24.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.12 dB

SAR (1g) = 2.31 W/kg; SAR (10g) = 0.662 W/kg;

