

## System Check\_HSL835\_20230324

**DUT: Dipole:835 MHz;Type:D835V2**

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1

Medium: HSL835\_0324 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.892 \text{ S/m}$ ;  $\epsilon_r = 41.609$ ;  $\rho = 1000 \text{ kg/m}^3$

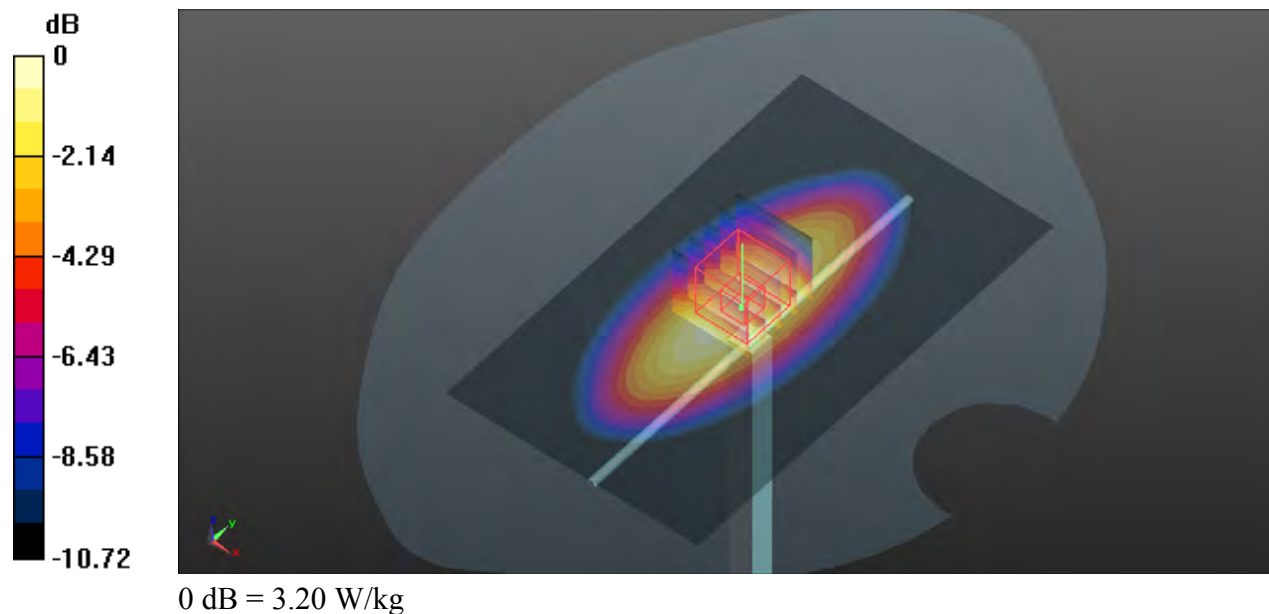
Ambient Temperature :  $23.3^\circ\text{C}$ ; Liquid Temperature :  $22.5^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 835 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=250mW/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $3.16 \text{ W/kg}$

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $60.22 \text{ V/m}$ ; Power Drift =  $0.12 \text{ dB}$   
Peak SAR (extrapolated) =  $3.58 \text{ W/kg}$   
**SAR(1 g) =  $2.41 \text{ W/kg}$ ; SAR(10 g) =  $1.58 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $3.20 \text{ W/kg}$



## System Check\_HSL1900\_20230325

**DUT: Dipole:1900MHz;Type:D1900V2**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900\_0325 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.373$  S/m;  $\epsilon_r = 40.271$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1900 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

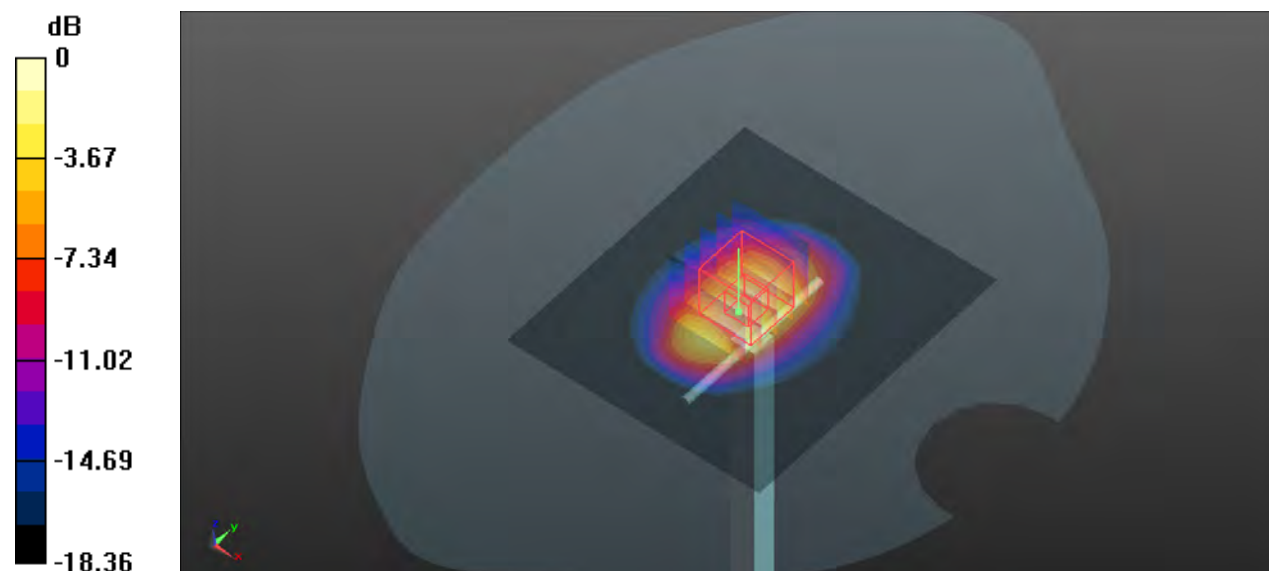
**Pin=250mW/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 16.0 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 102.6 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 19.1 W/kg

**SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.48 W/kg**

Maximum value of SAR (measured) = 16.1 W/kg



0 dB = 16.1 W/kg

## System Check\_HSL2450\_20230330

**DUT: Dipole:2450 MHz;Type:D2450V2**

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1

Medium: HSL2450\_0330 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.782$  S/m;  $\epsilon_r = 40.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

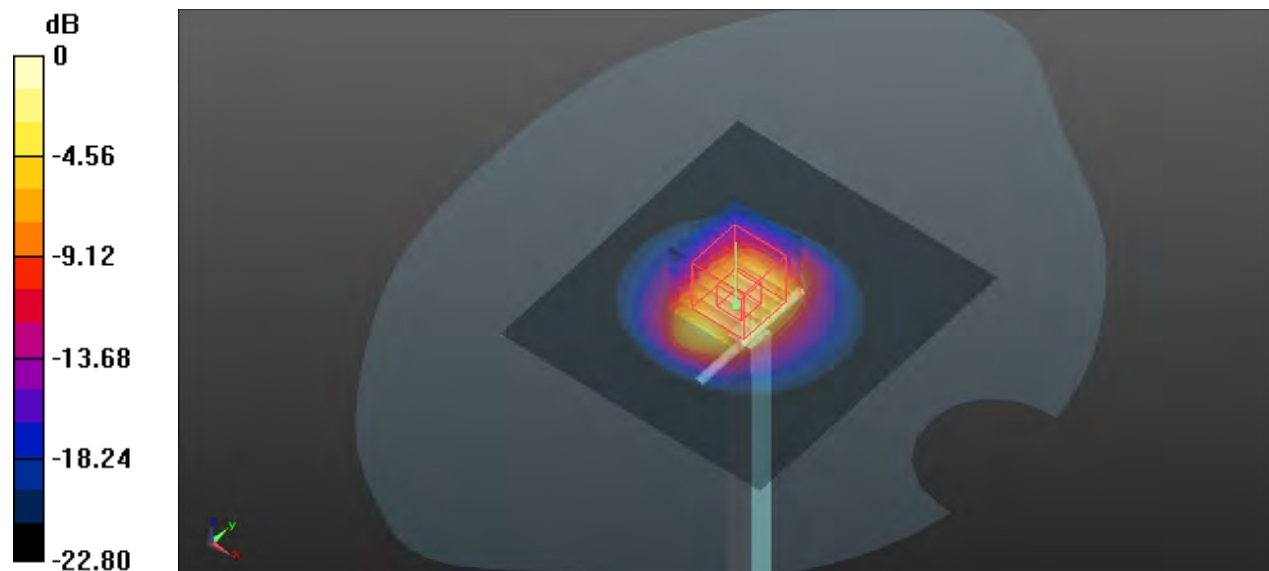
Ambient Temperature : 23.5°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2450 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=250mW/Area Scan (91x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 22.4 W/kg

**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 109.2 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 28.6 W/kg  
**SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.23 W/kg**  
Maximum value of SAR (measured) = 23.0 W/kg



0 dB = 23.0 W/kg

## System Check\_HSL2600\_20230326

### DUT: Dipole:2600 MHz;Type:D2600V2

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL2600\_0326 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.056$  S/m;  $\epsilon_r = 37.575$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2600 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=250mW/Area Scan (61x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 21.4 W/kg

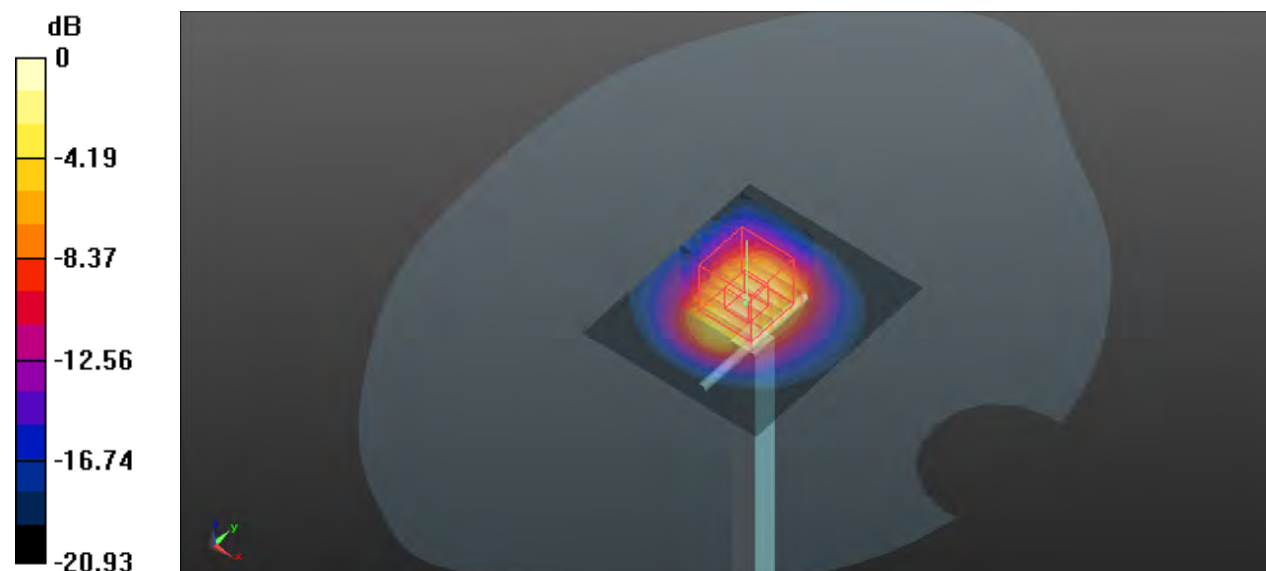
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 106.1 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 27.7 W/kg

**SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.17 W/kg**

Maximum value of SAR (measured) = 20.2 W/kg



0 dB = 20.2 W/kg

## System Check\_HSL2600\_20230327

**DUT: Dipole:2600 MHz;Type:D2600V2**

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium: HSL2600\_0327 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.049$  S/m;  $\epsilon_r = 37.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>

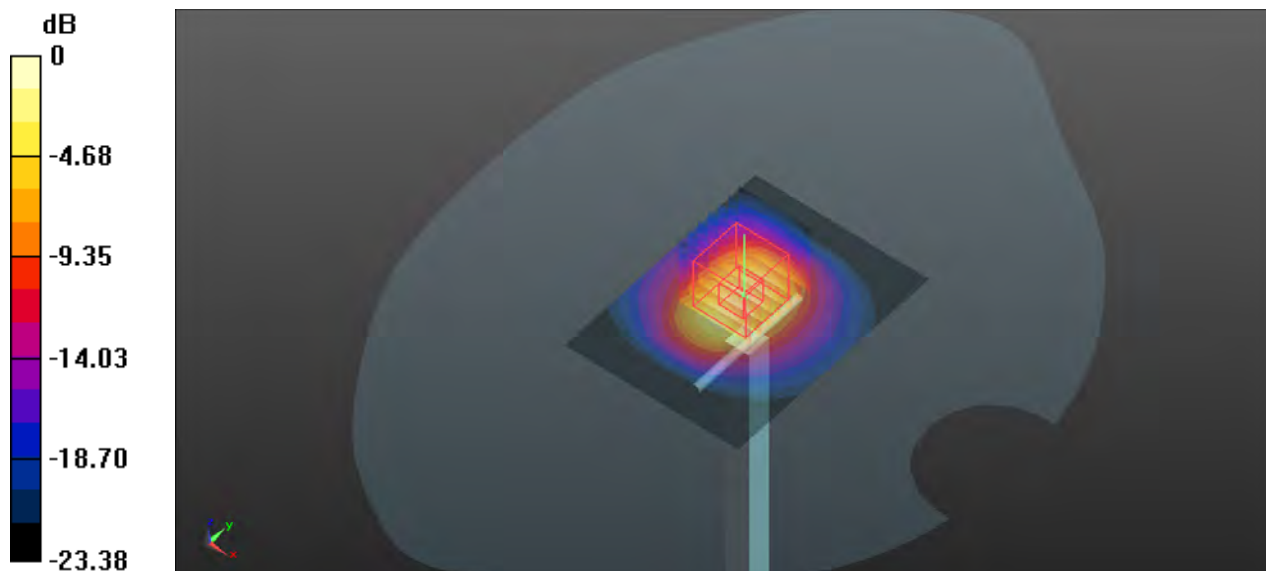
Ambient Temperature : 23.5°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2600 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 24.8 W/kg

**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 96.22 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 30.4 W/kg  
**SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.19 W/kg**  
Maximum value of SAR (measured) = 23.7 W/kg



0 dB = 23.7 W/kg

## System Check\_HSL2600\_20230328

### DUT: Dipole:2600 MHz;Type:D2600V2

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium: HSL2600\_0328 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.052$  S/m;  $\epsilon_r = 37.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3°C; Liquid Temperature : 22.4°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2600 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 21.2 W/kg

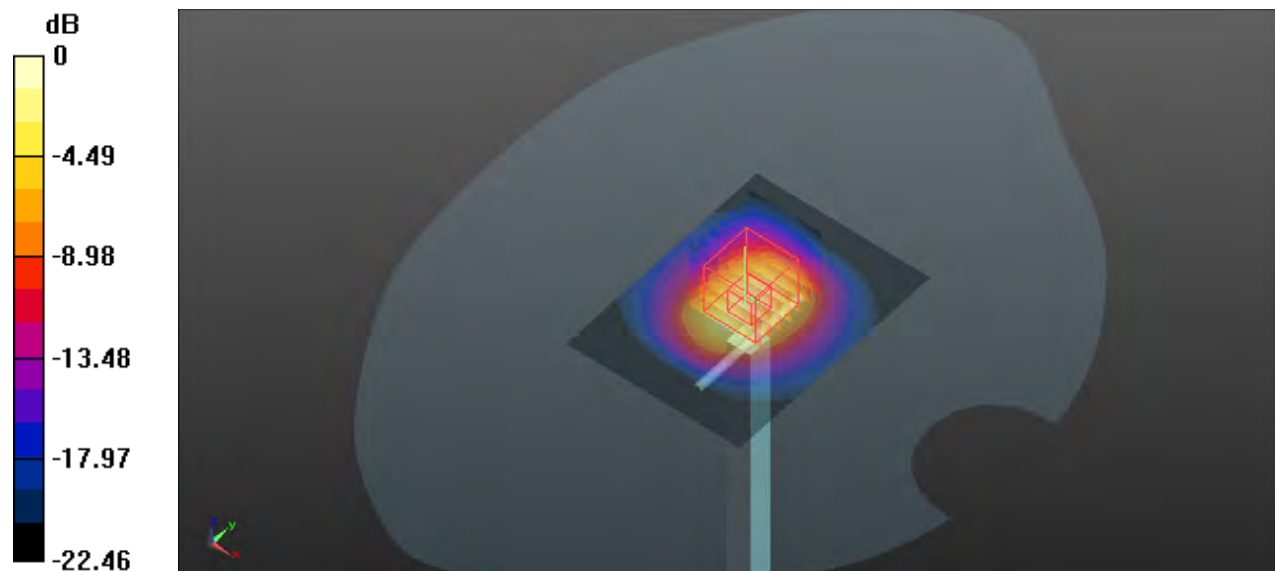
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 105.9 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 24.1 W/kg

**SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.33 W/kg**

Maximum value of SAR (measured) = 20.2 W/kg



0 dB = 20.2 W/kg

## System Check\_HSL2600\_20230329

**DUT: Dipole:2600 MHz;Type:D2600V2**

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium: HSL2600\_0329 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.056$  S/m;  $\epsilon_r = 37.589$ ;  $\rho = 1000$  kg/m<sup>3</sup>

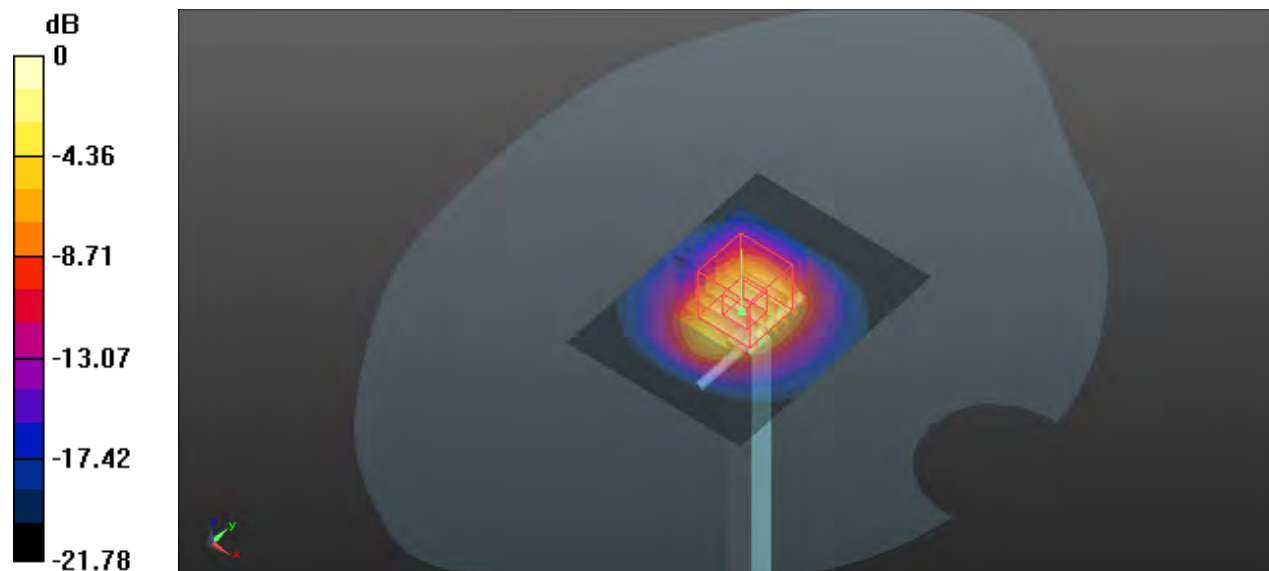
Ambient Temperature : 23.6°C; Liquid Temperature : 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2600 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=250mW/Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 20.4 W/kg

**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 109.1 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 26.9 W/kg  
**SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.3 W/kg**  
Maximum value of SAR (measured) = 20.2 W/kg



## System Check\_HSL5250\_20230330

### DUT: Dipole 5GHzV2;Type:D5GHzV2

Communication System: CW; Frequency: 5250 MHz;Duty Cycle: 1:1

Medium: HSL5G\_0330 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.683$  S/m;  $\epsilon_r = 35.34$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5250 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=100mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 16.6 W/kg

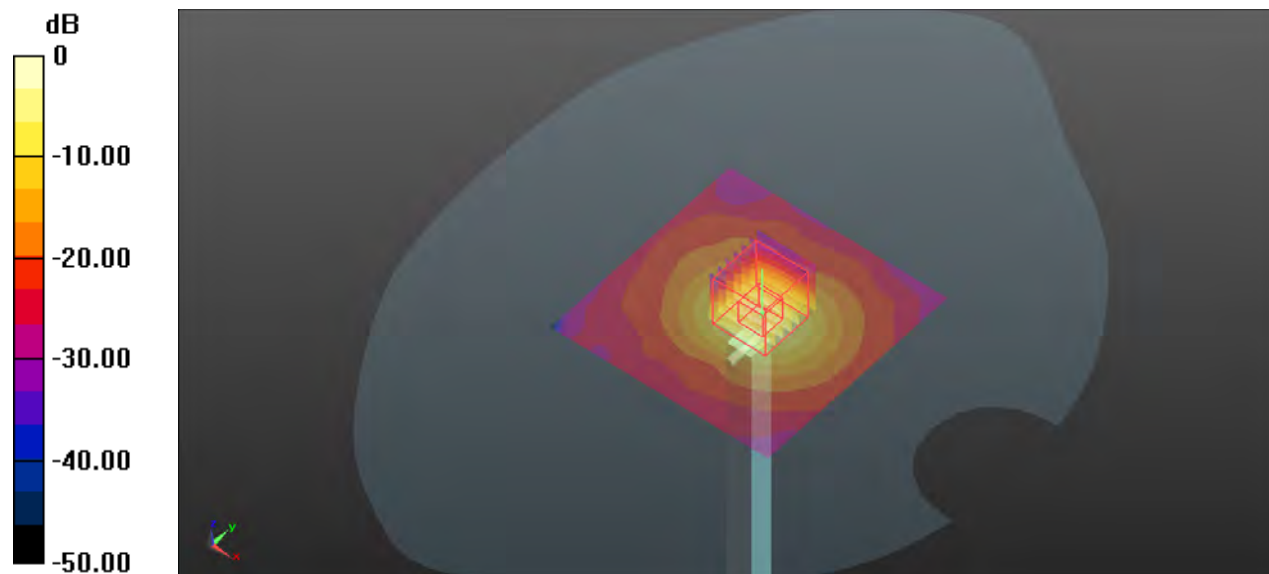
**Pin=100mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 55.92 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 32.0 W/kg

**SAR(1 g) = 7.56 W/kg; SAR(10 g) = 2.16 W/kg**

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





## System Check\_HSL5600\_20230330

### DUT: Dipole 5GHzV2;Type:D5GHzV2

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1

Medium: HSL5G\_0330 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.032$  S/m;  $\epsilon_r = 34.838$ ;  $\rho = 1000$  kg/m<sup>3</sup>

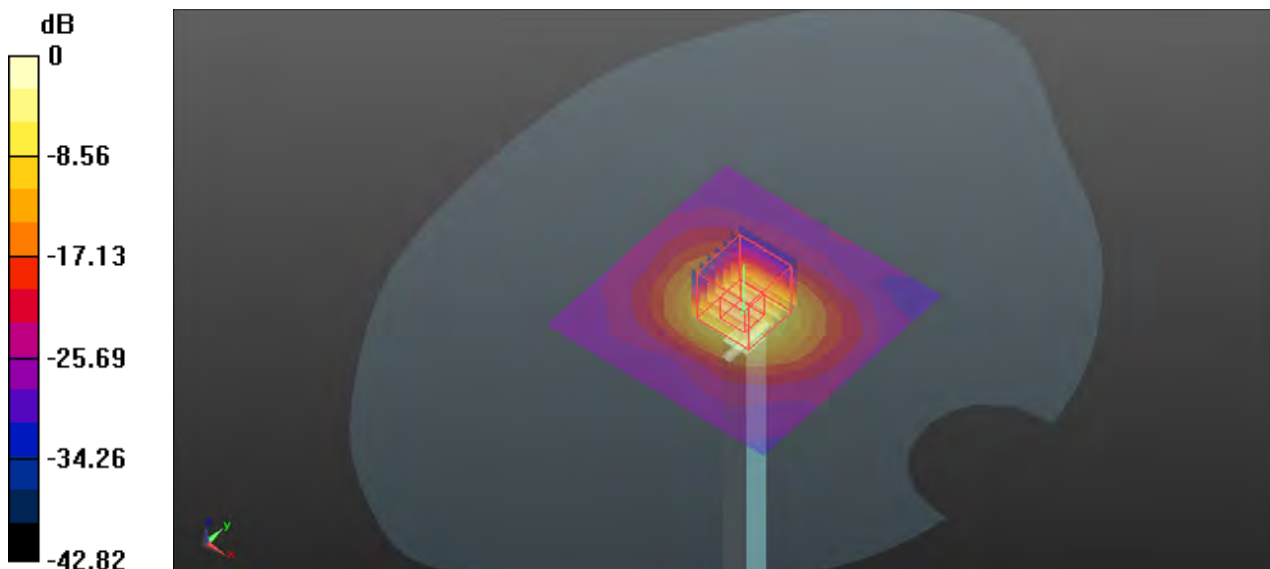
Ambient Temperature : 23.4°C; Liquid Temperature : 22.6°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.47, 4.47, 4.47) @ 5600 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=100mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 16.7 W/kg

**Pin=100mW/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 63.67 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 32.3 W/kg  
**SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.2 W/kg**  
Maximum value of SAR (measured) = 16.5 W/kg



0 dB = 16.5 W/kg

## System Check\_HSL5800\_20230330

### DUT: Dipole 5GHzV2;Type:D5GHzV2

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1

Medium: HSL5G\_0330 Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.239$  S/m;  $\epsilon_r = 34.55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

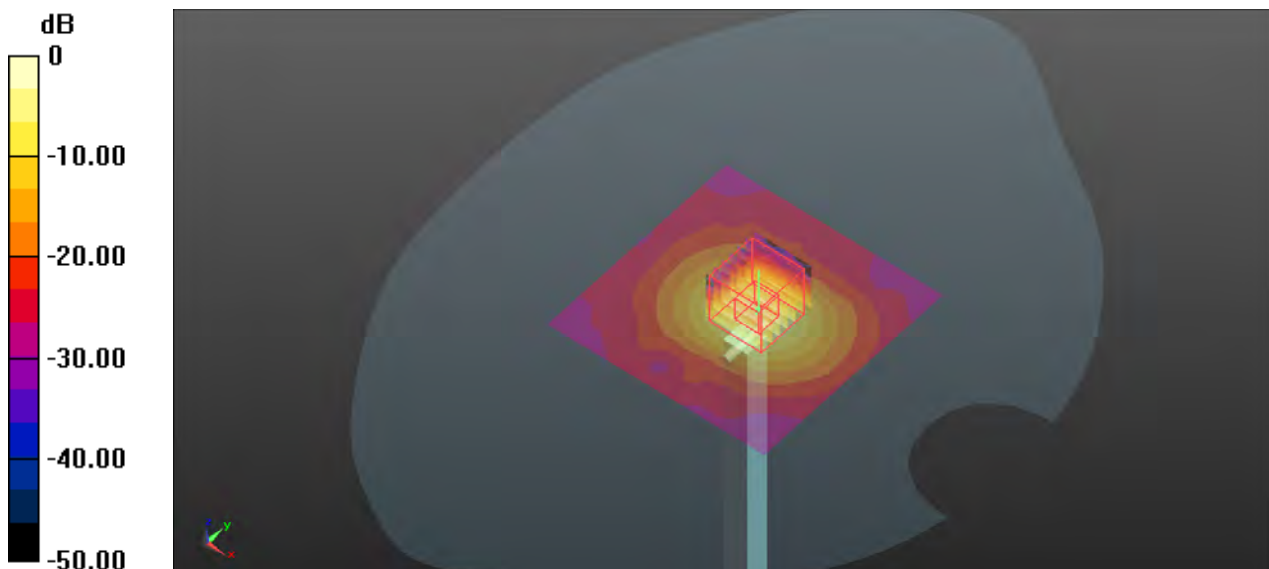
Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.48, 4.48, 4.48) @ 5800 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Pin=100mW/Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 15.1 W/kg

**Pin=100mW/Zoom Scan (7x7x11)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 56.11 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 27.8 W/kg  
**SAR(1 g) = 7.28 W/kg; SAR(10 g) = 2.08 W/kg**  
Maximum value of SAR (measured) = 13.6 W/kg



0 dB = 13.6 W/kg



## Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

### P01 GSM850\_GPRS 4Tx slot\_Left Cheek\_Ch128\_Ant4

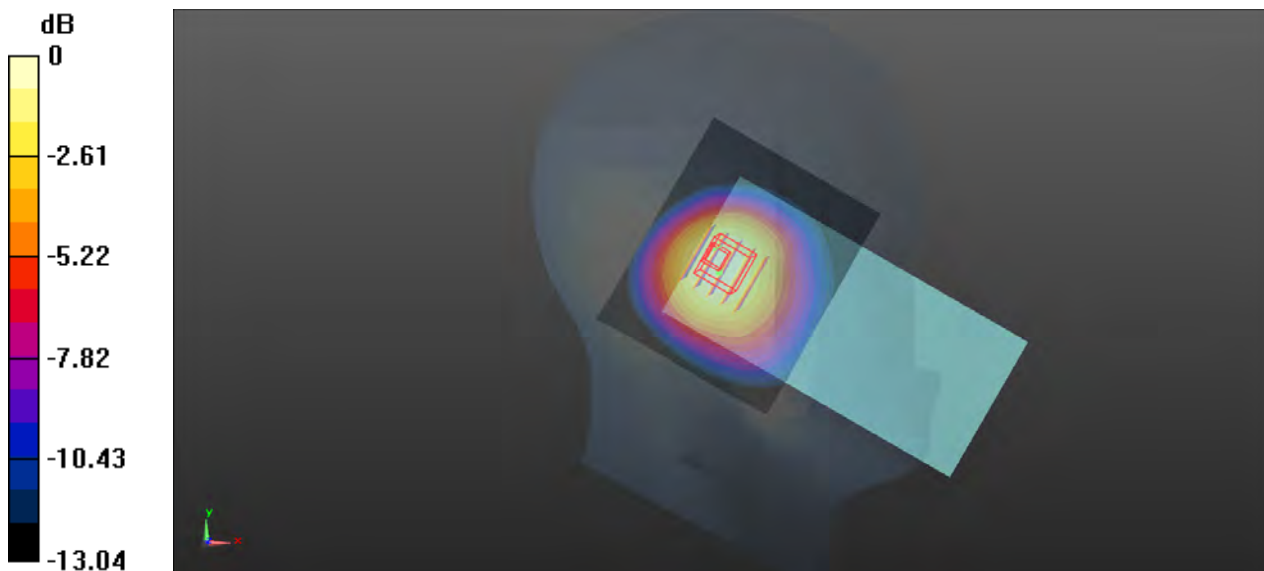
Communication System: GPRS 4Tx-slot; Frequency: 824.2 MHz; Duty Cycle: 1:2.08  
Medium: HSL835\_0324 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.881$  S/m;  $\epsilon_r = 41.758$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 824.2 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x51x1):** Interpolated grid: dx=2.000 mm, dy=2.000 mm  
Maximum value of SAR (interpolated) = 1.01 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 30.95 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 1.31 W/kg  
**SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.544 W/kg**  
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg

## P02 GSM1900\_GPRS 4Tx slot\_Right Cheek\_Ch810\_Ant4

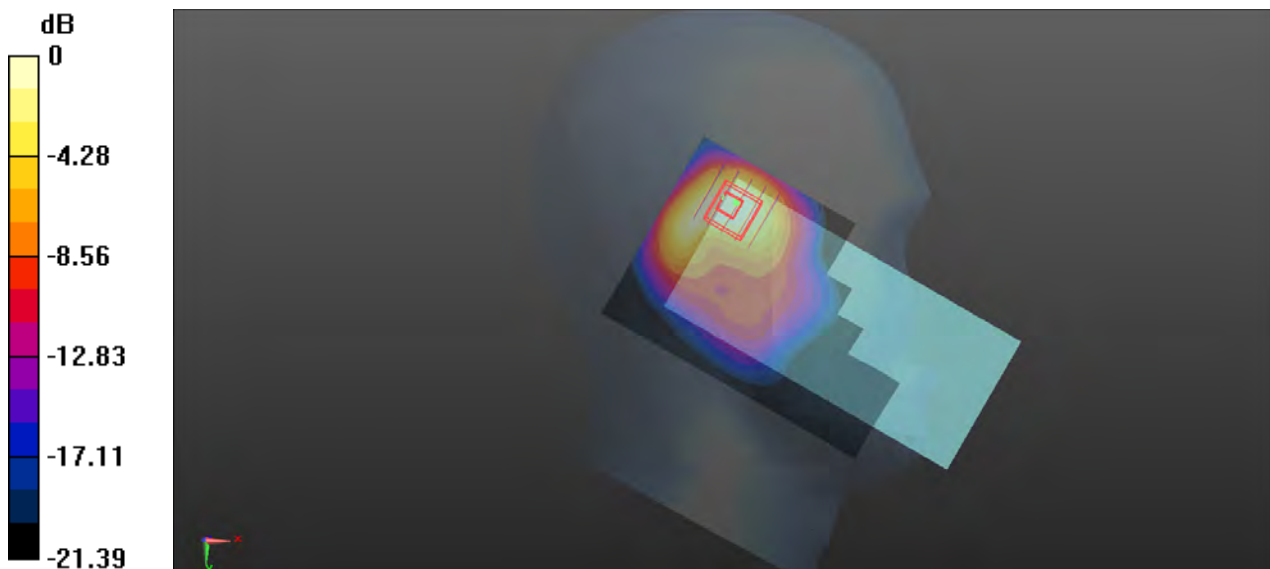
Communication System: GPRS 4Tx-slot; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08  
 Medium: HSL1900\_0325 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.383$  S/m;  $\epsilon_r = 40.278$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1909.8 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 1.27 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 19.35 V/m; Power Drift = 0.02 dB  
 Peak SAR (extrapolated) = 1.56 W/kg  
**SAR(1 g) = 0.829 W/kg; SAR(10 g) = 0.430 W/kg**  
 Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg

## P03 WCDMA V\_RMC12.2K\_Left Cheek\_Ch4182\_Ant4

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL835\_0324 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.894$  S/m;  $\epsilon_r = 41.59$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 836.4 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x51x1):** Interpolated grid:  $dx=2.000$  mm,  $dy=2.000$  mm

Maximum value of SAR (interpolated) = 0.772 W/kg

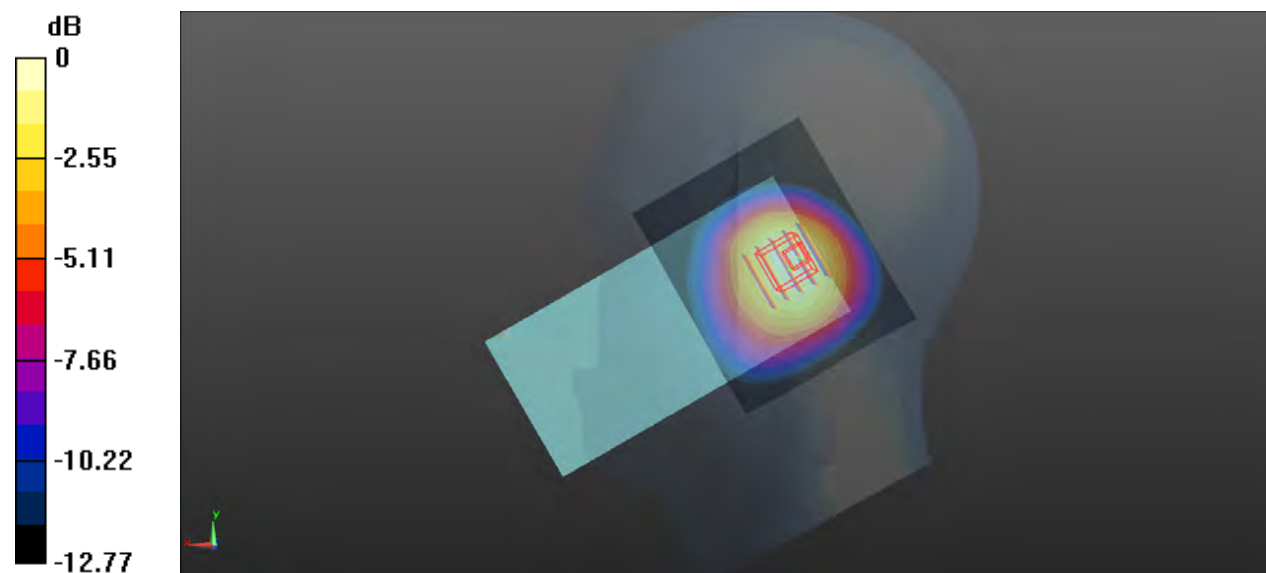
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 26.12 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.430 W/kg**

Maximum value of SAR (measured) = 0.824 W/kg



0 dB = 0.824 W/kg

### P04 LTE 5\_QPSK10M\_Left Cheek\_Ch20525\_1RB\_OS24\_Ant4

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL835\_0324 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.894$  S/m;  $\epsilon_r = 41.589$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 836.5 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x101x1):** Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.827 W/kg

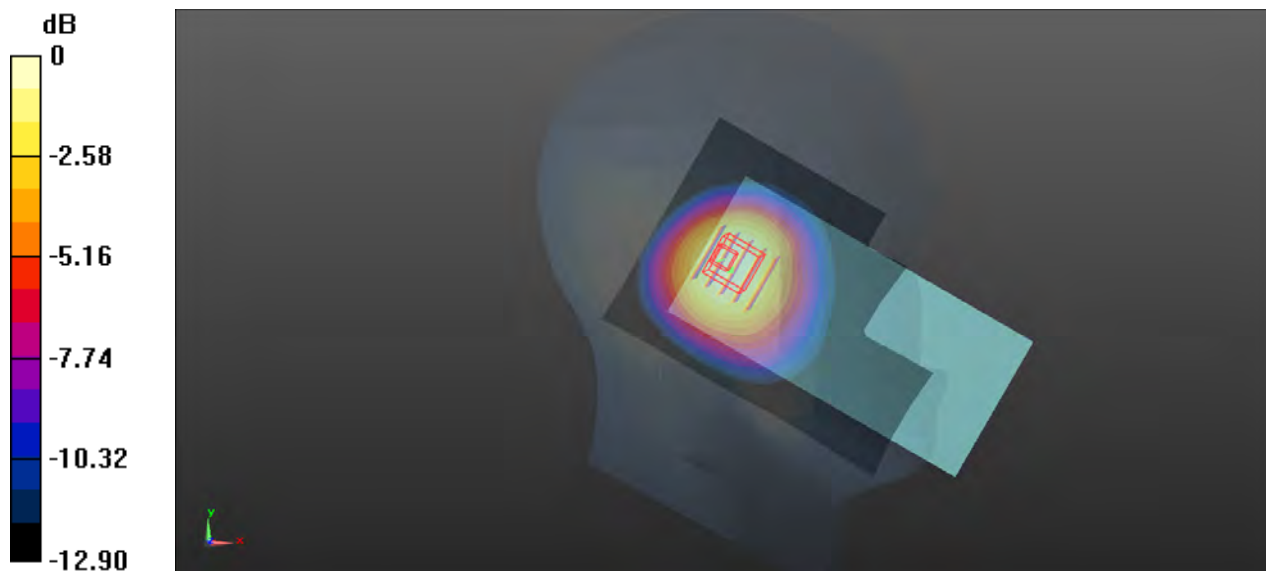
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.04 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.651 W/kg; SAR(10 g) = 0.436 W/kg**

Maximum value of SAR (measured) = 0.808 W/kg



0 dB = 0.808 W/kg

### P05 LTE 7\_QPSK20M\_Right Tilted\_Ch20850\_50RB\_OS25\_Ant4

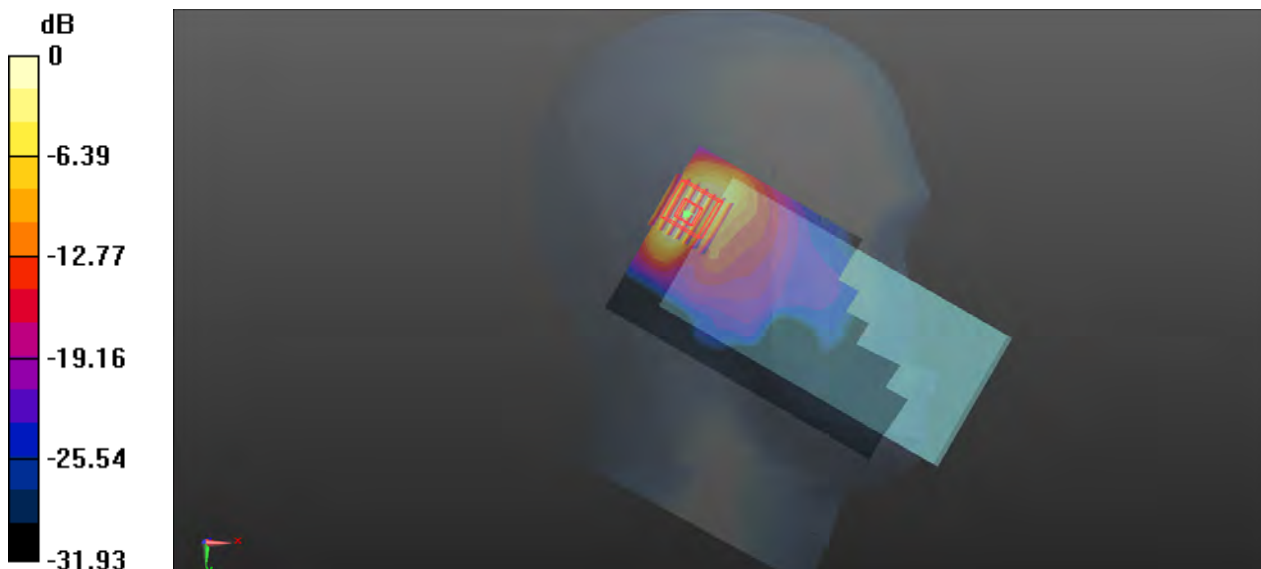
Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1  
Medium: HSL2600\_0326 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.953$  S/m;  $\epsilon_r = 37.916$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2510 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 1.74 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 10.10 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 2.16 W/kg  
**SAR(1 g) = 0.781 W/kg; SAR(10 g) = 0.392 W/kg**  
Maximum value of SAR (measured) = 1.66 W/kg



0 dB = 1.66 W/kg



## P06 LTE 38\_QPSK20M\_Right Tilted\_Ch37850\_1RB\_OS50\_Ant4

Communication System: LTE TDD; Frequency: 2580 MHz; Duty Cycle: 1:1.59

Medium: HSL2600\_0326 Medium parameters used:  $f = 2580$  MHz;  $\sigma = 2.032$  S/m;  $\epsilon_r = 37.691$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2580 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.11 W/kg

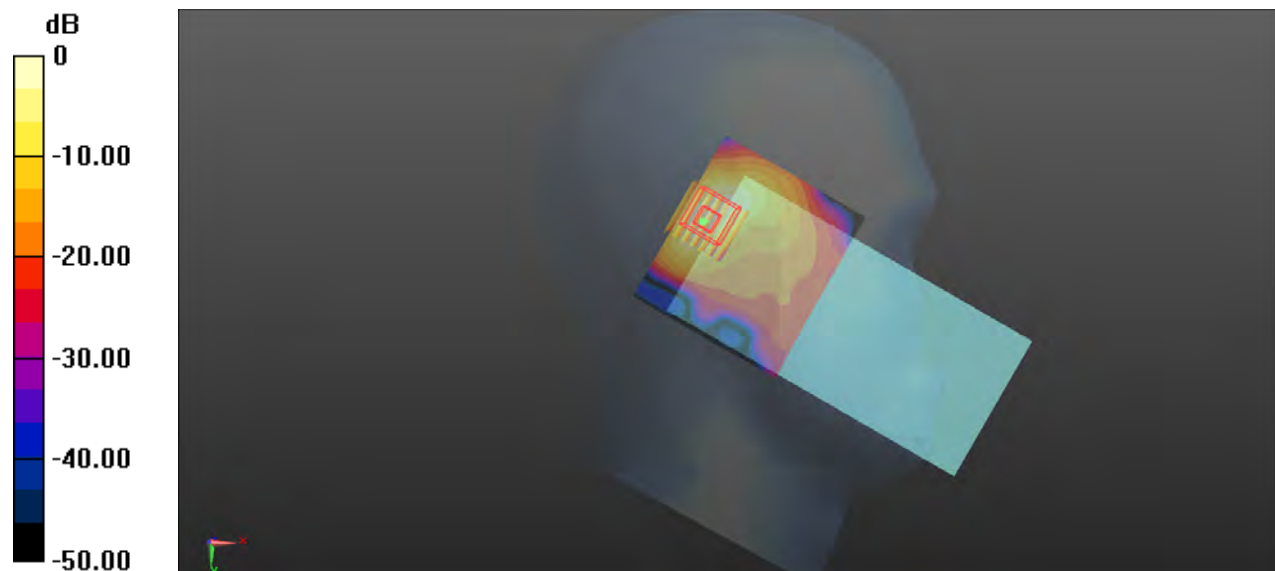
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.748 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.686 W/kg; SAR(10 g) = 0.282 W/kg**

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg

### P07 LTE 41\_QPSK20M\_Right Tilted\_Ch39750\_1RB\_OS50\_Ant4

Communication System: LTE TDD; Frequency: 2506 MHz; Duty Cycle: 1:1.59

Medium: HSL2600\_0326 Medium parameters used:  $f = 2506$  MHz;  $\sigma = 1.948$  S/m;  $\epsilon_r = 37.931$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2506 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x161x1)**: Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.66 W/kg

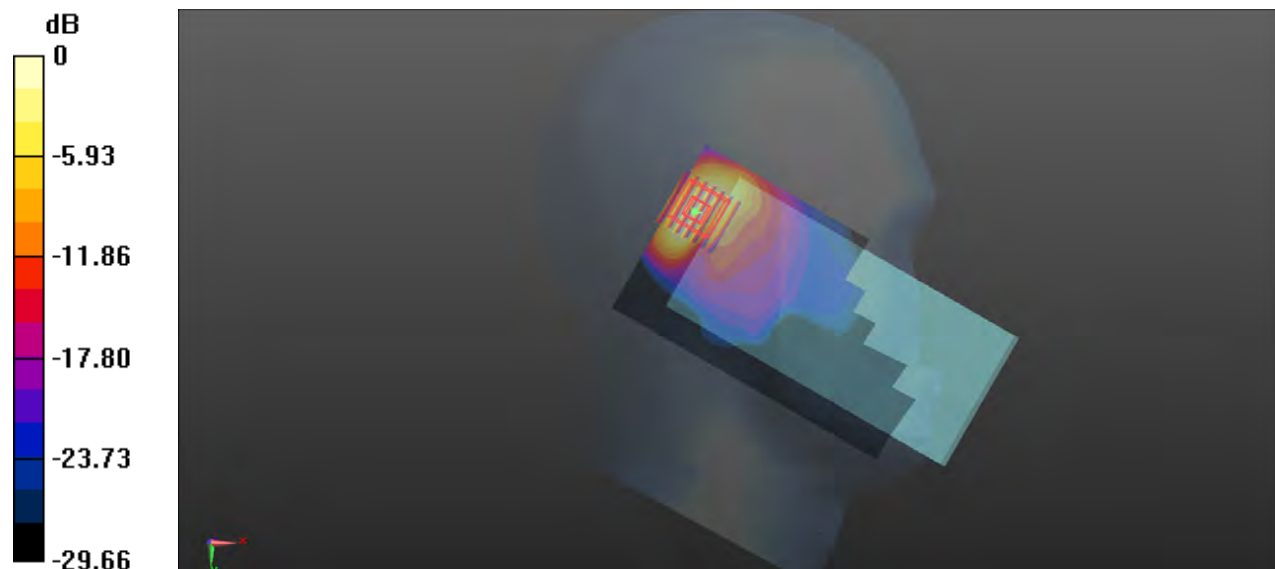
- **Zoom Scan (7x7x7)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.339 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.06 W/kg

**SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.379 W/kg**

Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg

## P08 WLAN2.4G\_802.11b\_Left Cheek\_Ch1

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450\_0330 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.729$  S/m;  $\epsilon_r = 40.353$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2412 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 0.441 W/kg

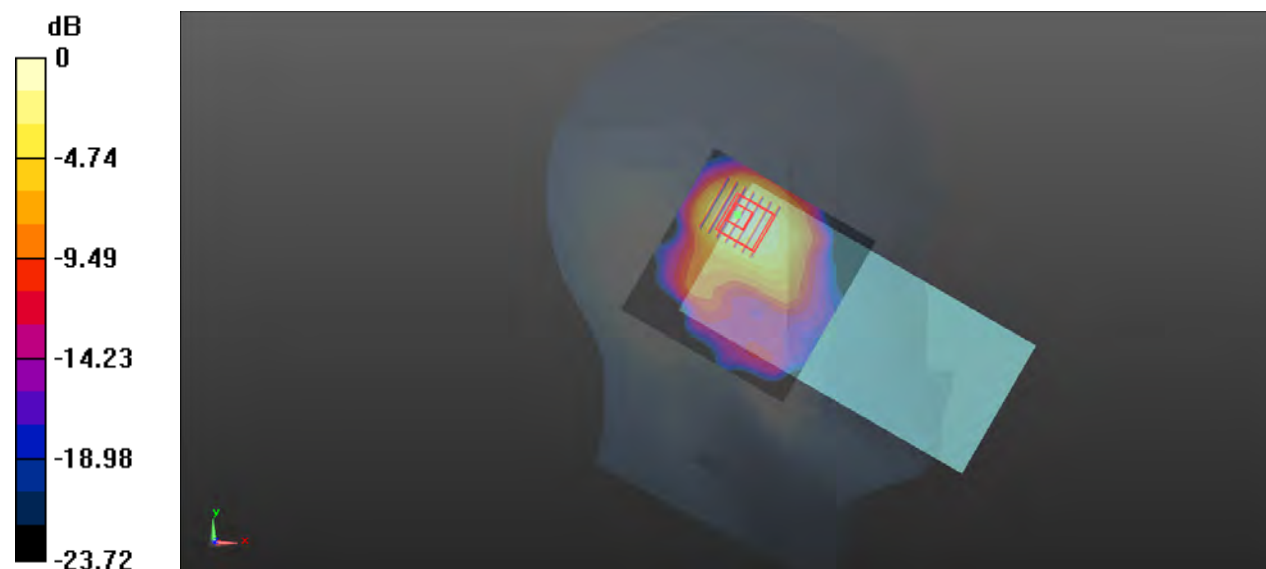
- **Zoom Scan (7x7x7)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.090 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.509 W/kg

**SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.134 W/kg**

Maximum value of SAR (measured) = 0.404 W/kg



0 dB = 0.404 W/kg

### P09 WLAN5G\_802.11a\_Left Tilted\_Ch64

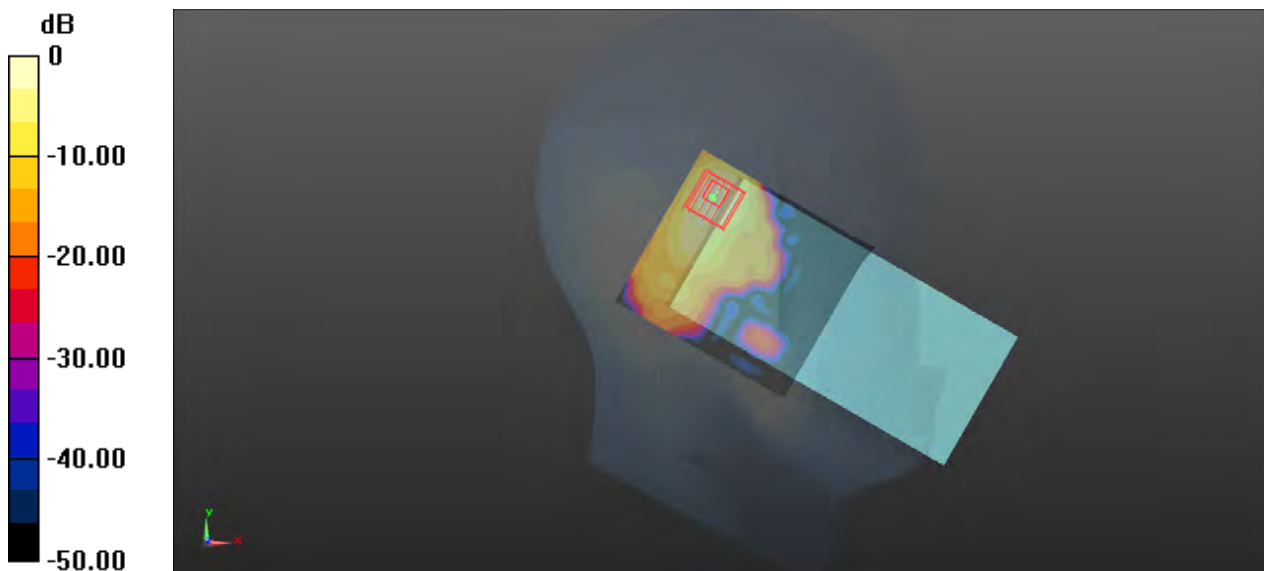
Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.04  
Medium: HSL5G\_0330 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.751$  S/m;  $\epsilon_r = 35.248$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.7°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5320 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x101x1)**: Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.772 W/kg

- **Zoom Scan (7x7x12)/Cube 0**: Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 8.074 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 1.52 W/kg  
**SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.109 W/kg**  
Maximum value of SAR (measured) = 0.866 W/kg



0 dB = 0.866 W/kg

### P10 WLAN5G\_802.11a\_Left Tilted\_Ch140

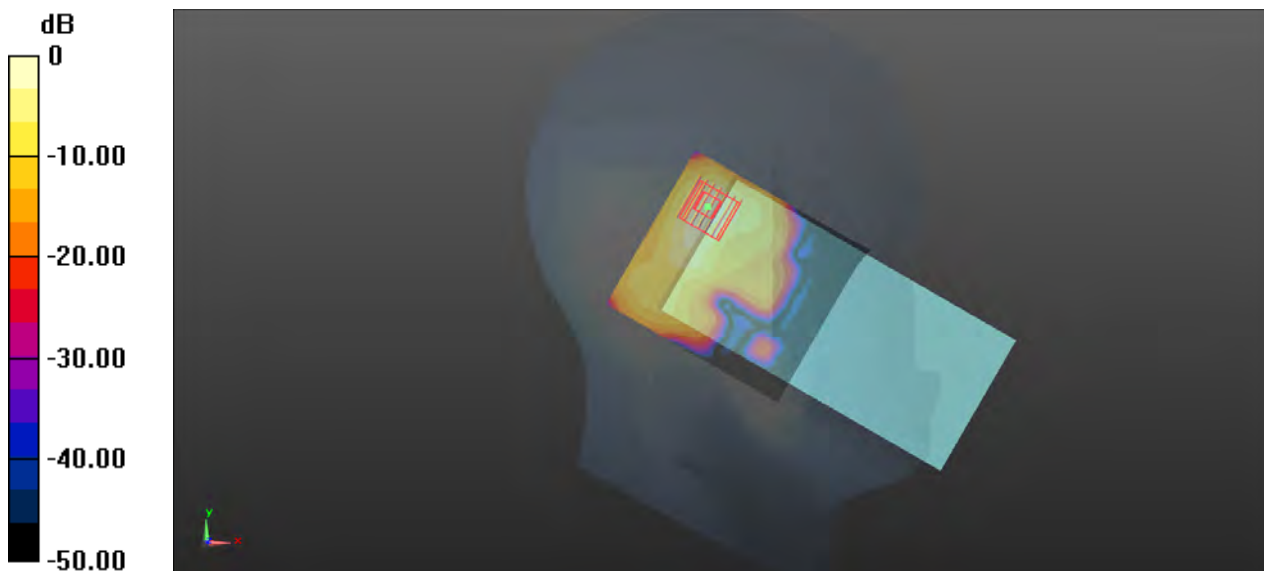
Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1.04  
Medium: HSL5G\_0330 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.137$  S/m;  $\epsilon_r = 34.693$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4°C; Liquid Temperature : 22.6°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.47, 4.47, 4.47) @ 5700 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.14 W/kg

- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 10.94 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 2.00 W/kg  
**SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.127 W/kg**  
Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg

## P11 WLAN5G\_802.11a\_Left Tilted\_Ch149

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.04

Medium: HSL5G\_0330 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.187$  S/m;  $\epsilon_r = 34.63$ ;  $\rho = 1000$  kg/m<sup>3</sup>

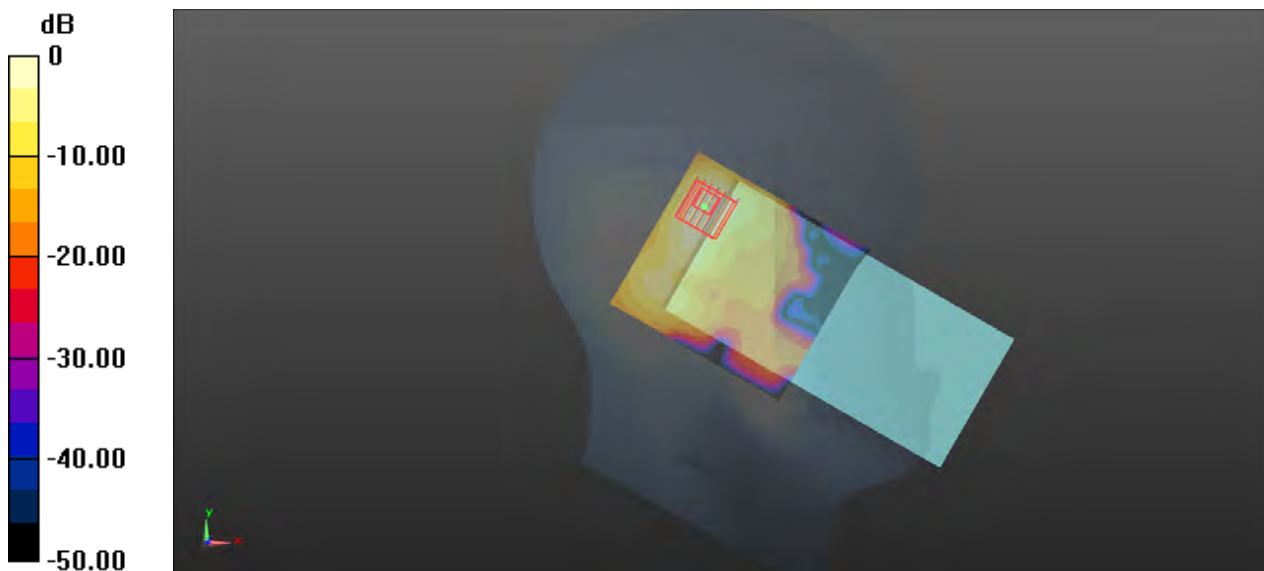
Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.48, 4.48, 4.48) @ 5745 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x101x1)**: Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.933 W/kg

- **Zoom Scan (7x7x12)/Cube 0**: Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 11.30 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 1.86 W/kg  
**SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.126 W/kg**  
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg

## P12 BT\_GFSK\_Left Cheek\_Ch0

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.3

Medium: HSL2450\_0330 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.729$  S/m;  $\epsilon_r = 40.353$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2412 MHz; Calibrated: 2022/8/31

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9

- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 0.121 W/kg

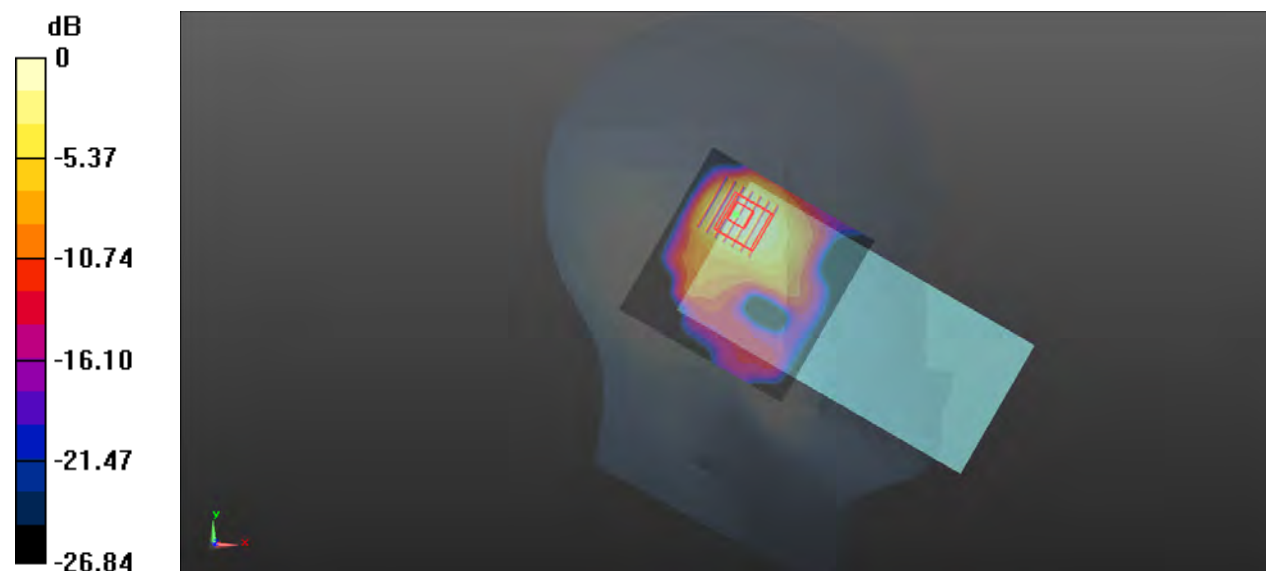
- **Zoom Scan (7x7x7)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.105 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.134 W/kg

**SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.033 W/kg**

Maximum value of SAR (measured) = 0.104 W/kg



0 dB = 0.104 W/kg

### P13 GSM850\_GPRS 4Tx\_Rear Face\_1cm\_Ch251\_Ant0

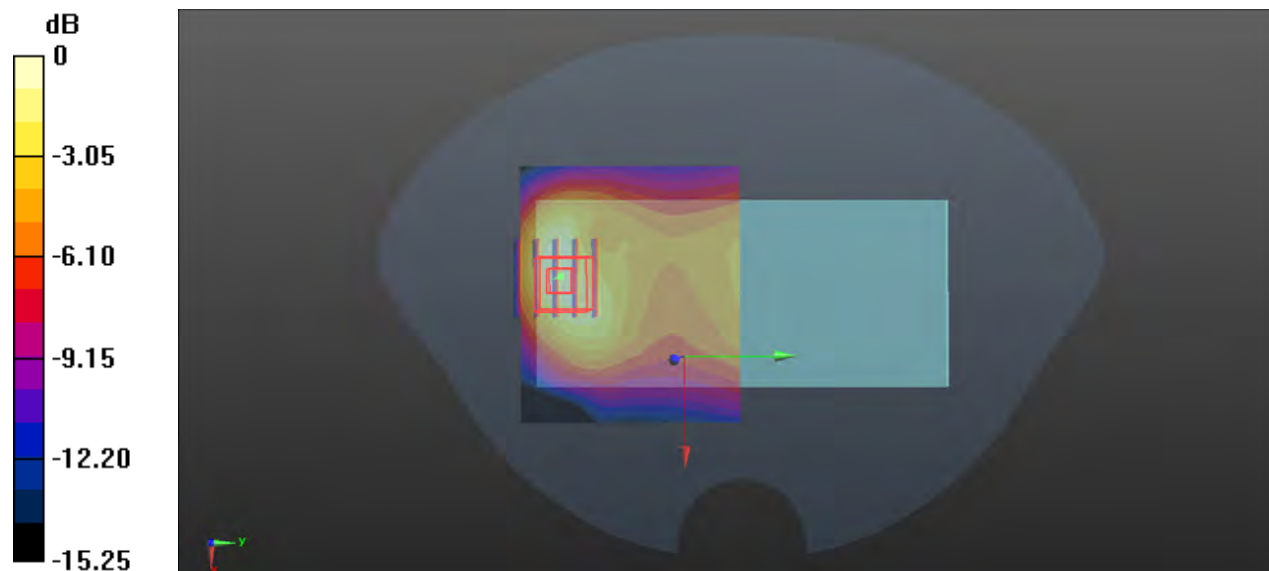
Communication System: GPRS 4Tx-slot; Frequency: 848.8 MHz; Duty Cycle: 1:2.08  
Medium: HSL835\_0324 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.906$  S/m;  $\epsilon_r = 41.434$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 848.8 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.656 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 16.96 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 1.08 W/kg  
**SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.275 W/kg**  
Maximum value of SAR (measured) = 0.637 W/kg



0 dB = 0.637 W/kg



### P14 GSM1900\_GPRS 4Tx Slot\_Rear Face\_1cm\_Ch512\_Ant4

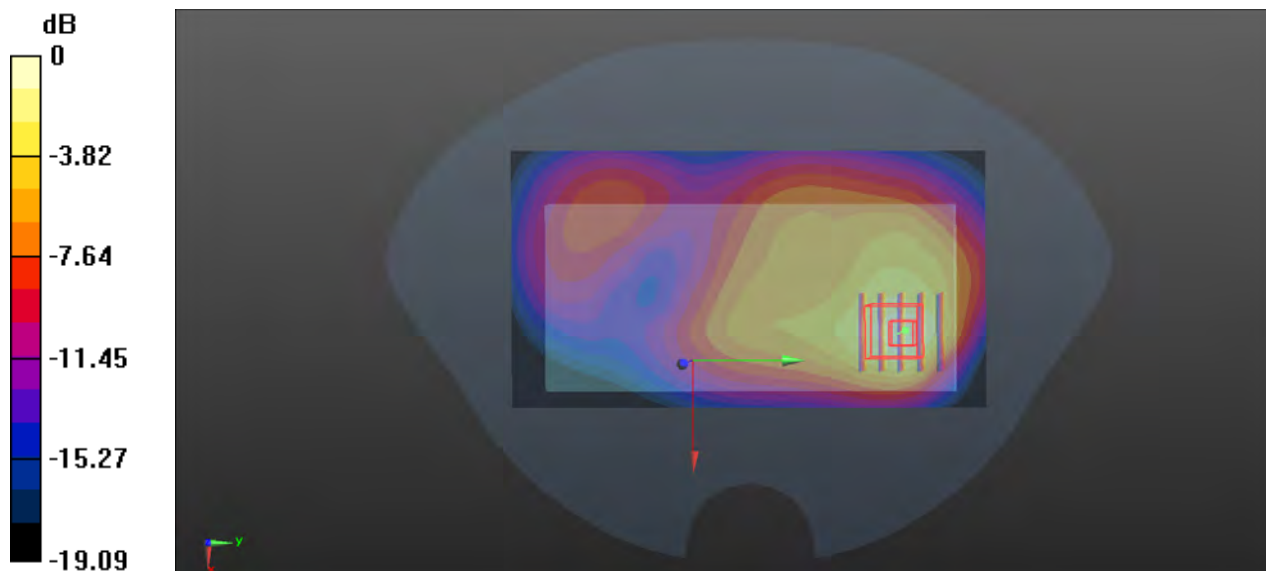
Communication System: GPRS 4Tx-slot; Frequency: 1850.2 MHz; Duty Cycle: 1:2.08  
 Medium: HSL1900\_0325 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.356$  S/m;  $\epsilon_r = 40.264$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1850.2 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.827 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 11.61 V/m; Power Drift = -0.00 dB  
 Peak SAR (extrapolated) = 0.930 W/kg  
**SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.277 W/kg**  
 Maximum value of SAR (measured) = 0.772 W/kg



0 dB = 0.772 W/kg

### P15 WCDMA V\_RMC12.2K\_Rear Face\_1cm\_Ch4233\_Ant0

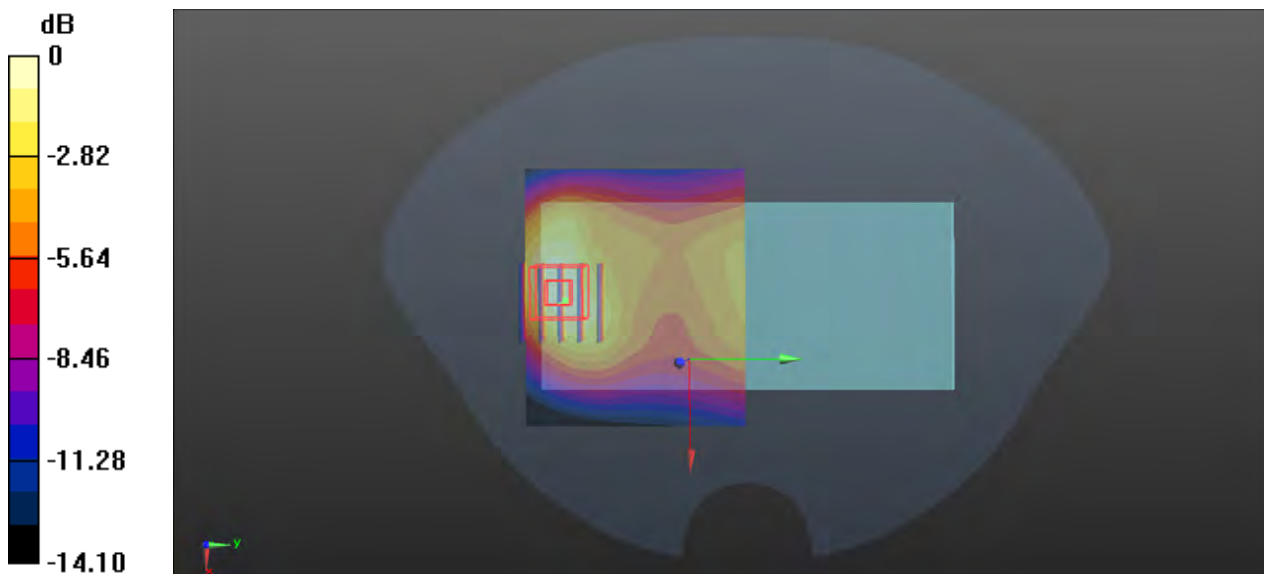
Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: HSL835\_0324 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r = 41.457$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 846.6 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.443 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.49 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.708 W/kg  
**SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.211 W/kg**  
Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.464 W/kg

### P16 LTE 5\_QPSK10M\_Rear Face\_1cm\_Ch20525\_1RB\_OS24\_Ant4

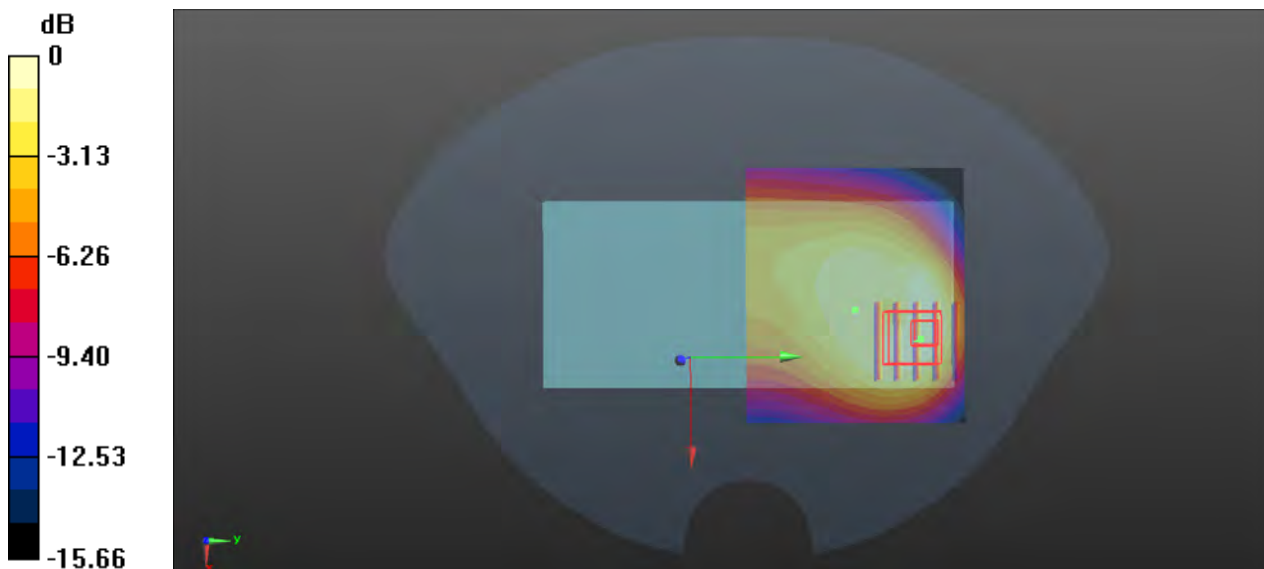
Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1  
Medium: HSL835\_0324 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.894$  S/m;  $\epsilon_r = 41.589$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 836.5 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.477 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 14.45 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.650 W/kg  
**SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.200 W/kg**  
Maximum value of SAR (measured) = 0.430 W/kg



0 dB = 0.430 W/kg

### P17 LTE 7\_QPSK20M\_Front Face\_1cm\_Ch21100\_1RB\_OS50\_Ant4

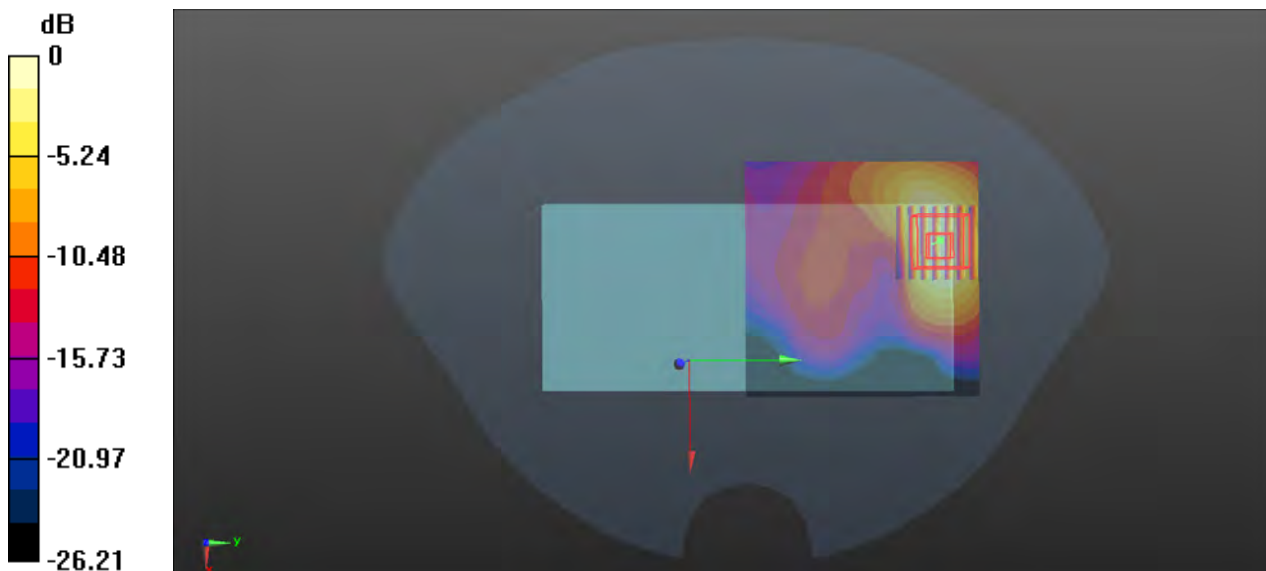
Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
Medium: HSL2600\_0326 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.982$  S/m;  $\epsilon_r = 37.854$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2535 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 1.24 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.977 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 1.57 W/kg  
**SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.359 W/kg**  
Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg

### P18 LTE 38\_QPSK20M\_Rear Face\_1cm\_Ch38150\_50RB\_OS0\_Ant4

Communication System: LTE TDD; Frequency: 2610 MHz; Duty Cycle: 1:1.59

Medium: HSL2600\_0326 Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.069$  S/m;  $\epsilon_r = 37.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2610 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 1.07 W/kg

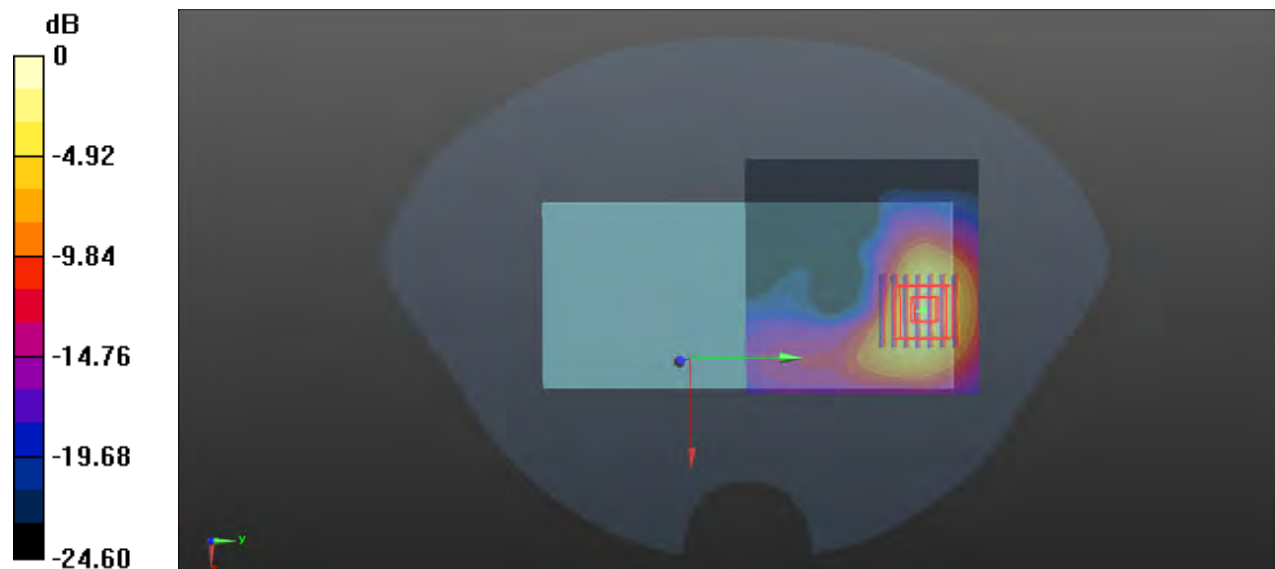
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.002 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.272 W/kg**

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg

### P19 LTE 41\_QPSK20M\_Rear Face\_1.5cm\_Ch39750\_1RB\_OS50\_Ant4

Communication System: LTE TDD; Frequency: 2506 MHz; Duty Cycle: 1:1.59

Medium: HSL2600\_0326 Medium parameters used:  $f = 2506$  MHz;  $\sigma = 1.948$  S/m;  $\epsilon_r = 37.931$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2506 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
 Maximum value of SAR (interpolated) = 1.35 W/kg

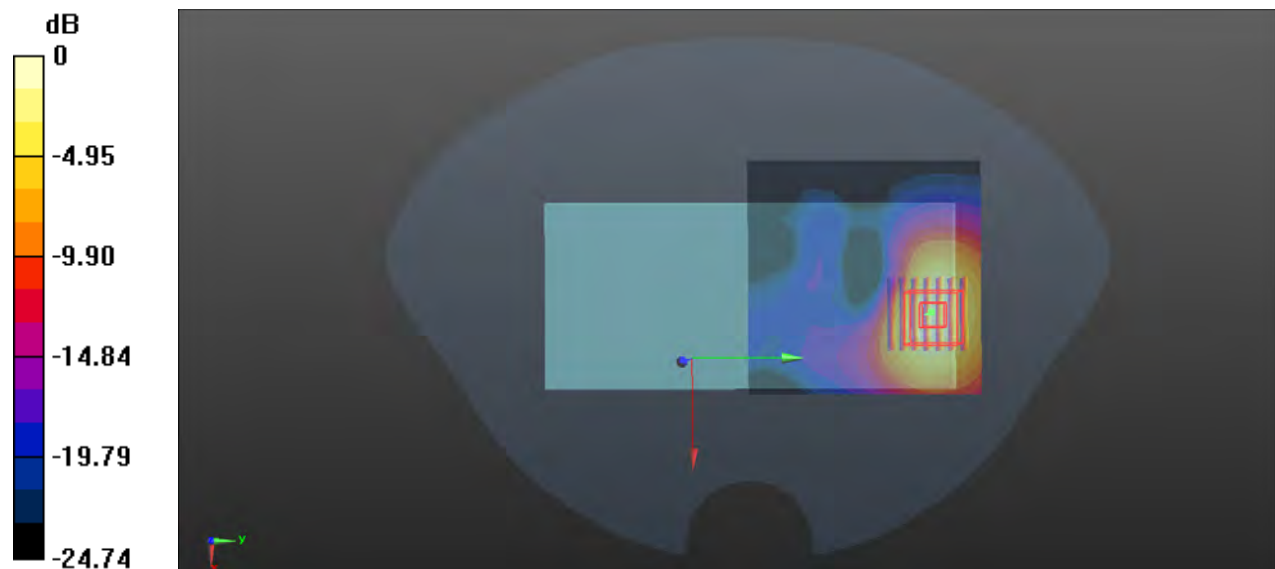
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.629 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.793 W/kg; SAR(10 g) = 0.387 W/kg**

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg

### P20 WLAN2.4G\_802.11b\_Rear Face\_1cm\_Ch1

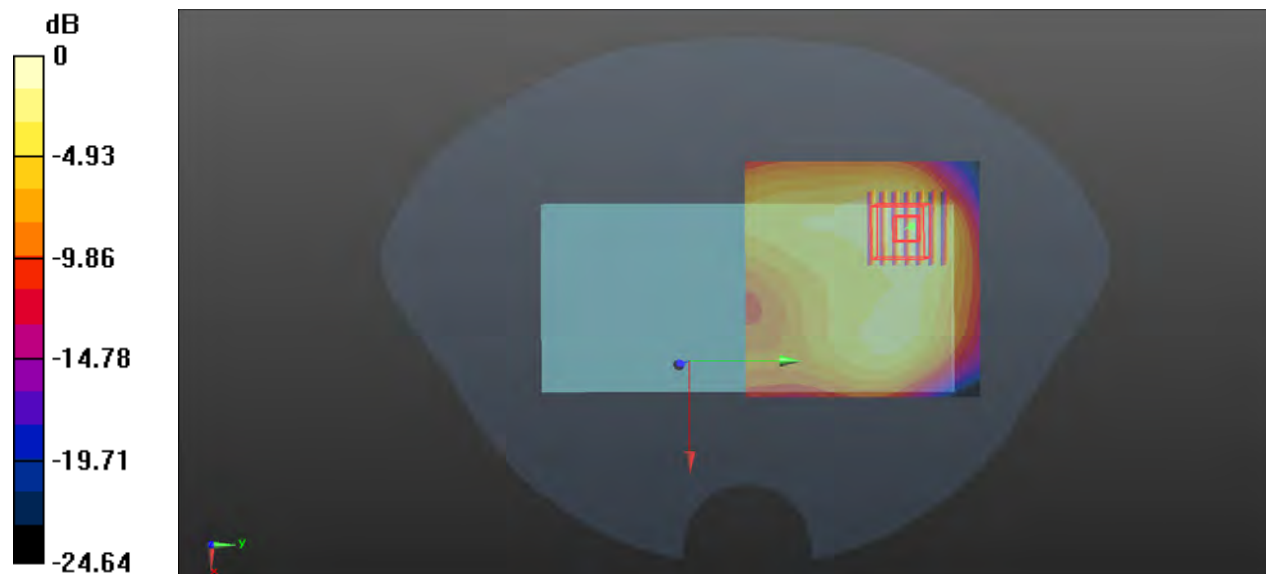
Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium: HSL2450\_0330 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.729$  S/m;  $\epsilon_r = 40.353$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2412 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.363 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 5.028 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.435 W/kg  
**SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.109 W/kg**  
Maximum value of SAR (measured) = 0.344 W/kg



0 dB = 0.344 W/kg

### P21 WLAN5G\_802.11a\_Rear Face\_1cm\_Ch64

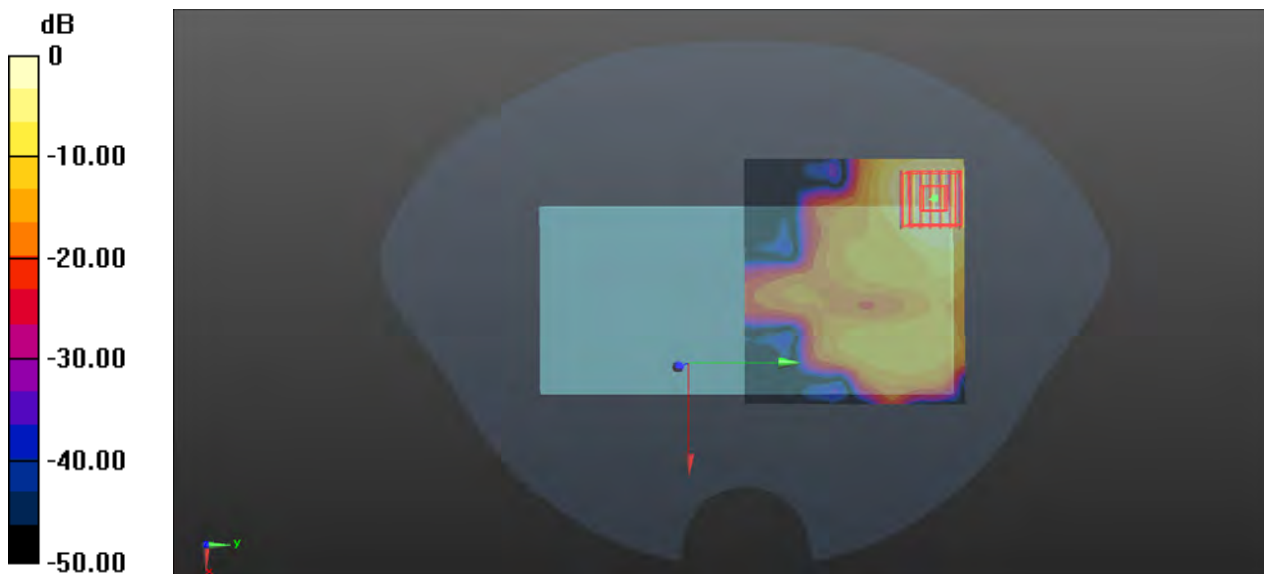
Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.04  
Medium: HSL5G\_0330 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.751$  S/m;  $\epsilon_r = 35.248$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.7°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5320 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.05 W/kg

- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 1.192 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 1.70 W/kg  
**SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.161 W/kg**  
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg



## P22 WLAN5G\_802.11a\_Rear Face\_1cm\_Ch140

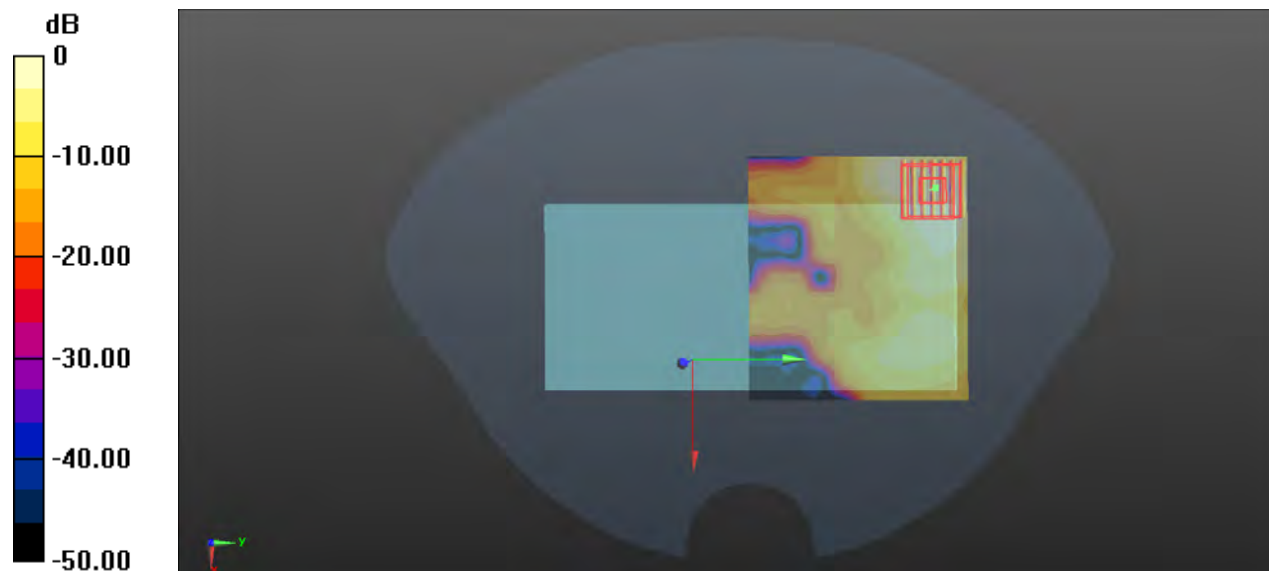
Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1.04  
Medium: HSL5G\_0330 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.137$  S/m;  $\epsilon_r = 34.693$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4°C; Liquid Temperature : 22.6°C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.47, 4.47, 4.47) @ 5700 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.895 W/kg

- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 0.8440 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 1.52 W/kg  
**SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.143 W/kg**  
Maximum value of SAR (measured) = 0.892 W/kg



0 dB = 0.892 W/kg

## P23 WLAN5G\_802.11a\_Rear Face\_1cm\_Ch149

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.04

Medium: HSL5G\_0330 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.187$  S/m;  $\epsilon_r = 34.63$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.48, 4.48, 4.48) @ 5745 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.648 W/kg

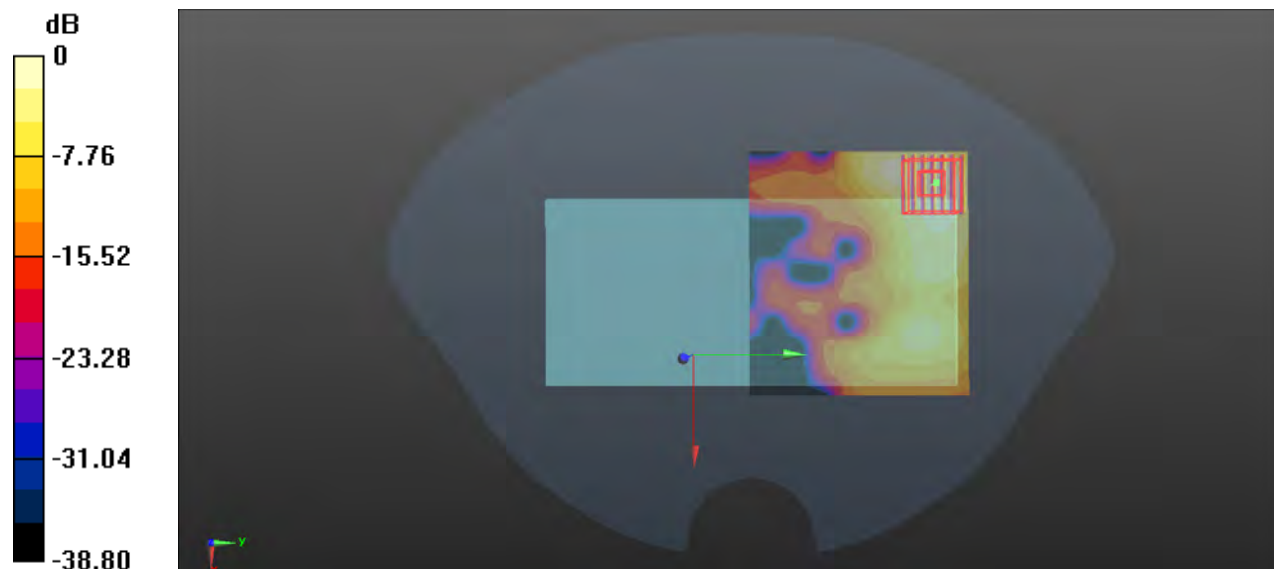
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.110 W/kg**

Maximum value of SAR (measured) = 0.680 W/kg



0 dB = 0.680 W/kg

### P24 BT\_GFSK\_Rear Face\_1cm\_Ch0

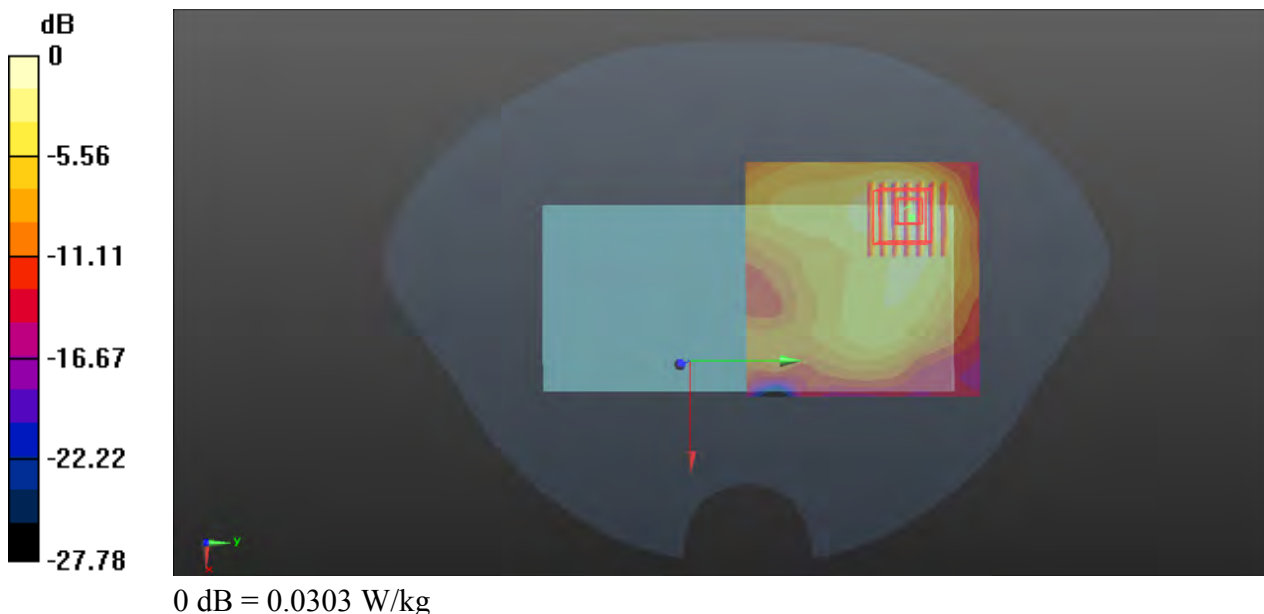
Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:1.3  
Medium: HSL2450\_0330 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.719$  S/m;  $\epsilon_r = 40.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2402 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.0307 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 0.9060 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 0.0390 W/kg  
**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00868 W/kg**  
Maximum value of SAR (measured) = 0.0303 W/kg



### P25 GSM850\_GPRS 4Tx\_Rear Face\_1cm\_Ch251\_Ant0

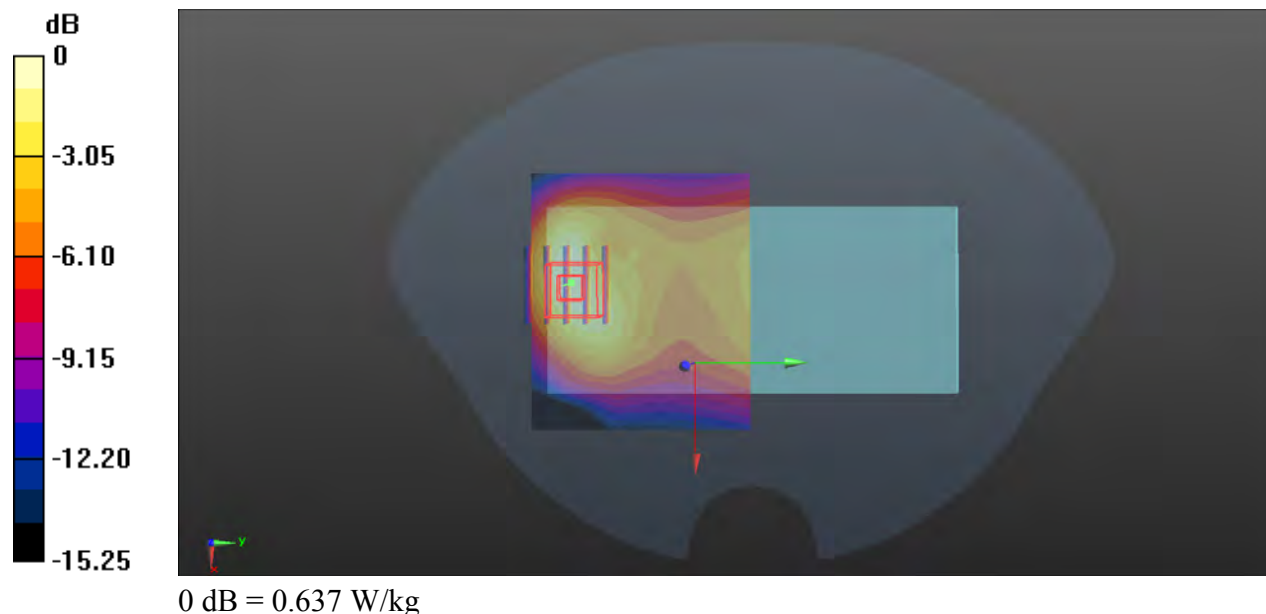
Communication System: GPRS 4Tx-slot; Frequency: 848.8 MHz; Duty Cycle: 1:2.08  
Medium: HSL835\_0324 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.906$  S/m;  $\epsilon_r = 41.434$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 848.8 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.656 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 16.96 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 1.08 W/kg  
**SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.275 W/kg**  
Maximum value of SAR (measured) = 0.637 W/kg



### P26 GSM1900\_GPRS 4Tx Slot\_Rear Face\_1cm\_Ch512\_Ant4

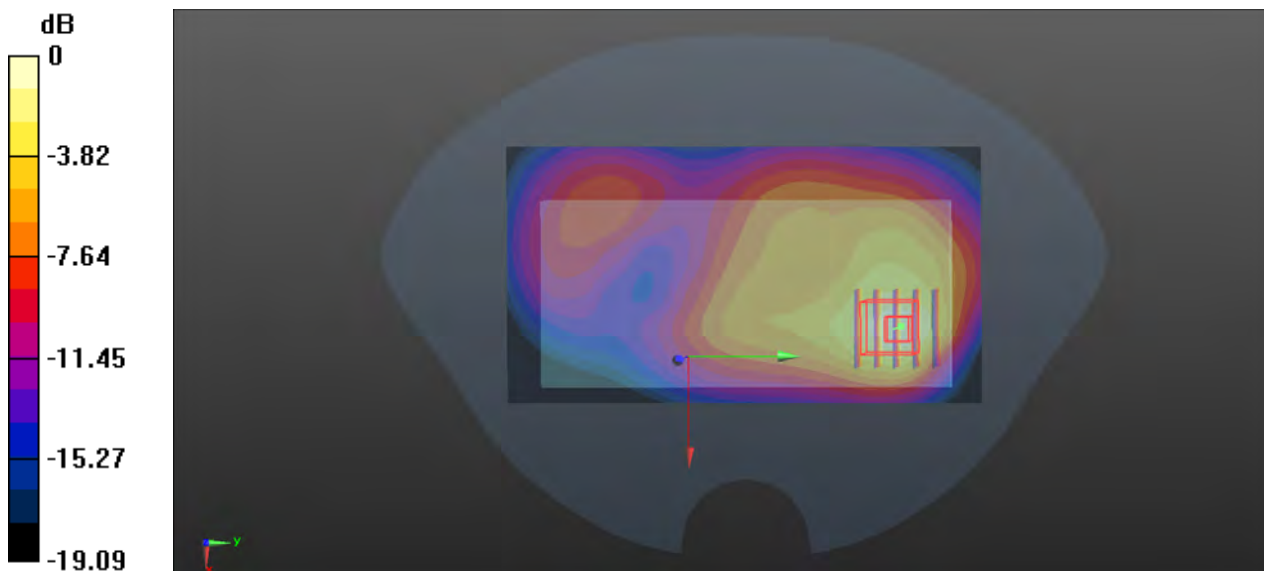
Communication System: GPRS 4Tx-slot; Frequency: 1850.2 MHz; Duty Cycle: 1:2.08  
Medium: HSL1900\_0325 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.356$  S/m;  $\epsilon_r = 40.264$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1850.2 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x131x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.827 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 11.61 V/m; Power Drift = -0.00 dB  
Peak SAR (extrapolated) = 0.930 W/kg  
**SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.277 W/kg**  
Maximum value of SAR (measured) = 0.772 W/kg



0 dB = 0.772 W/kg

### P27 WCDMA V\_RMC12.2K\_Rear Face\_1cm\_Ch4233\_Ant0

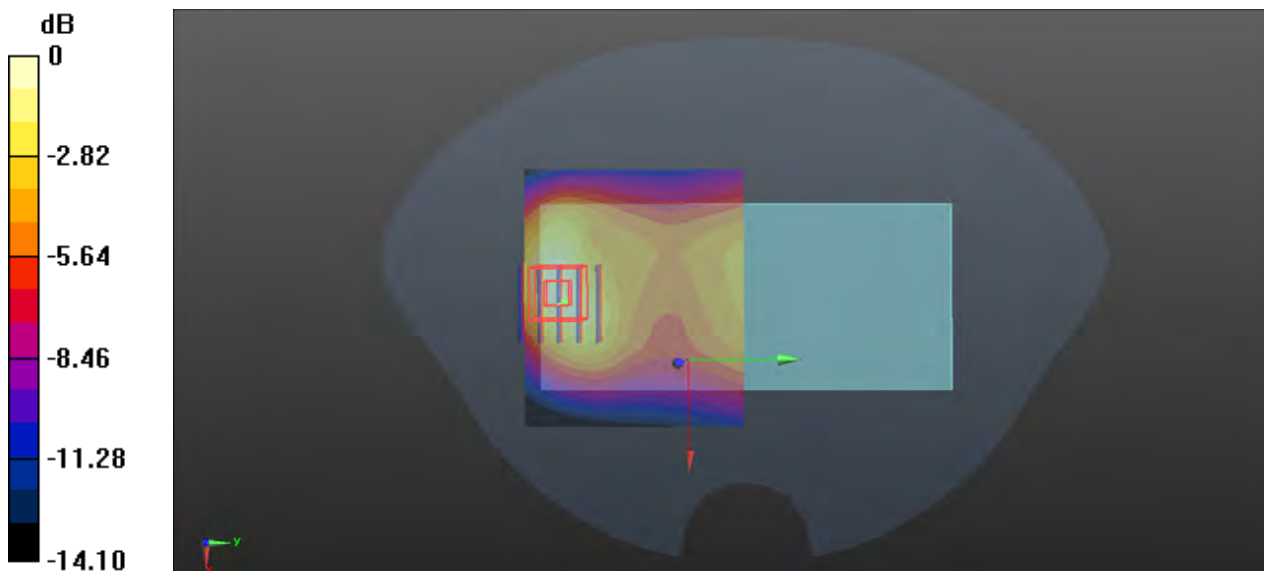
Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: HSL835\_0324 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r = 41.457$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 847 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.443 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.49 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.708 W/kg  
**SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.211 W/kg**  
Maximum value of SAR (measured) = 0.464 W/kg



0 dB = 0.464 W/kg

### P28 LTE 5\_QPSK10M\_Rear Face\_1cm\_Ch20525\_1RB\_OS24\_Ant4

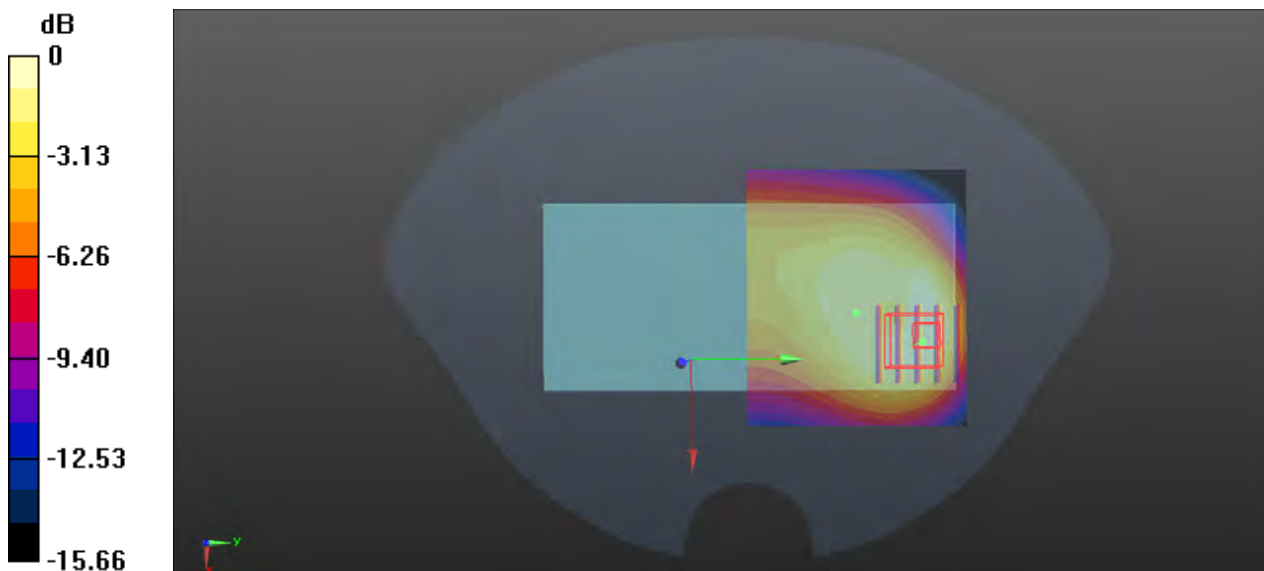
Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1  
Medium: HSL835\_0324 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.894$  S/m;  $\epsilon_r = 41.589$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 836.5 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.477 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 14.45 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.650 W/kg  
**SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.200 W/kg**  
Maximum value of SAR (measured) = 0.430 W/kg



0 dB = 0.430 W/kg

### P29 LTE 7\_QPSK20M\_Front Face\_1cm\_Ch21100\_1RB\_OS50\_Ant4

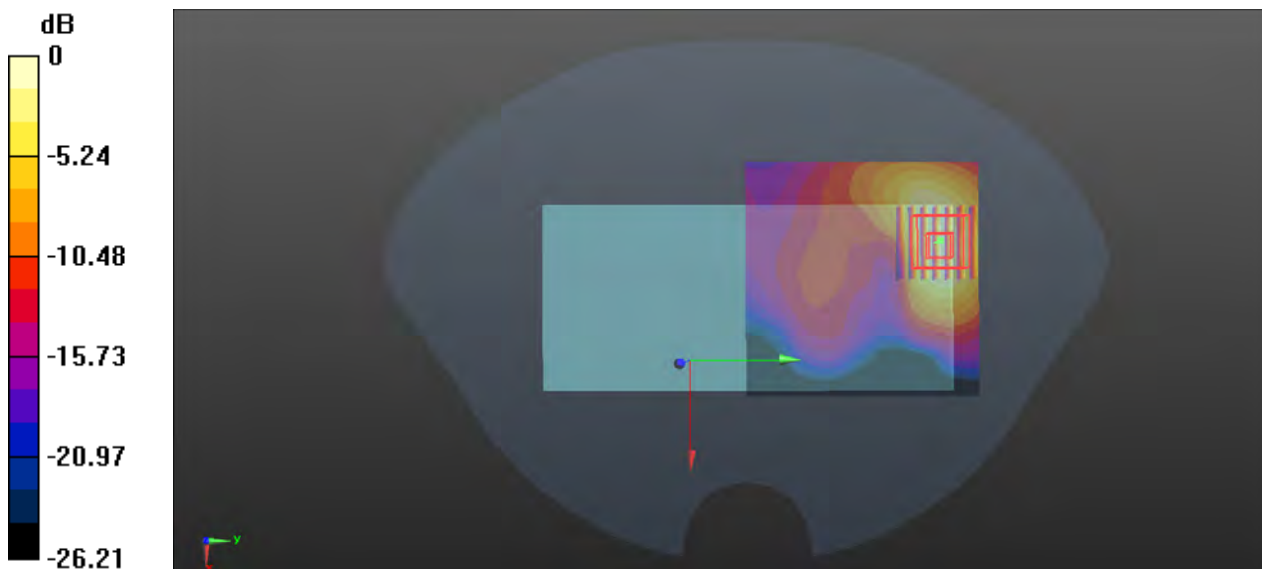
Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
Medium: HSL2600\_0326 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.982$  S/m;  $\epsilon_r = 37.854$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2535 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 1.24 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 3.977 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 1.57 W/kg  
**SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.359 W/kg**  
Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg



### P30 LTE 38\_QPSK20M\_Top Side\_1cm\_Ch37850\_50RB\_OS0\_Ant4

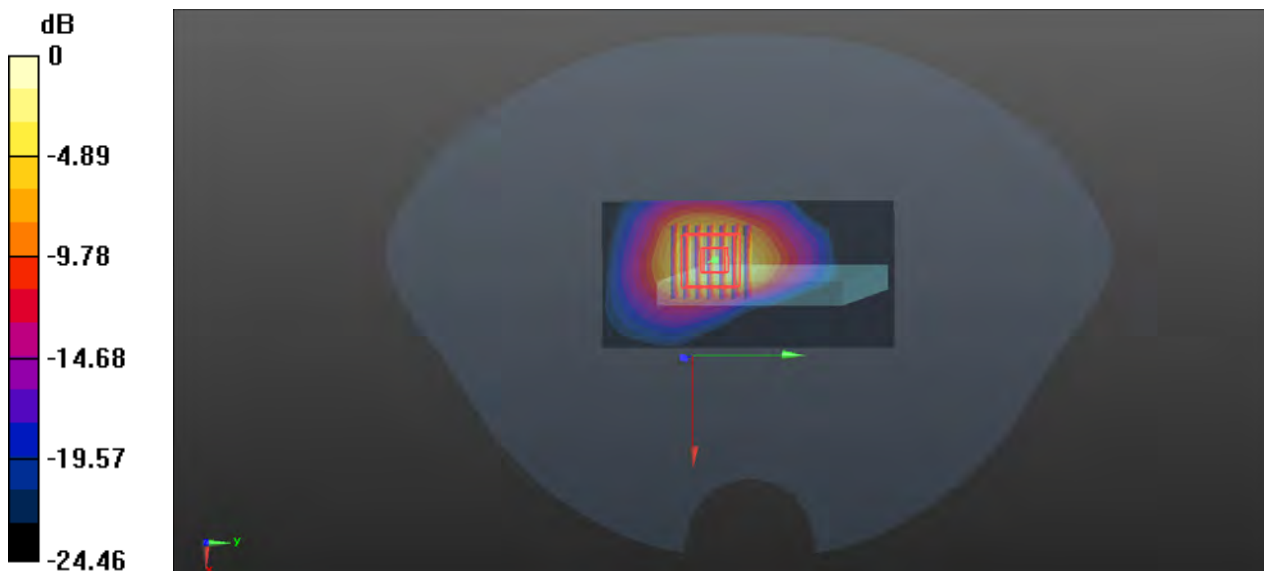
Communication System: LTE TDD; Frequency: 2580 MHz; Duty Cycle: 1:1.59  
Medium: HSL2600\_0326 Medium parameters used:  $f = 2580$  MHz;  $\sigma = 2.032$  S/m;  $\epsilon_r = 37.691$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2580 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.41 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 18.08 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 1.77 W/kg  
**SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.358 W/kg**  
Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg

### P31 LTE 41\_QPSK20M\_Top Side\_1.0cm\_Ch39750\_50RB\_OS0\_Ant4

Communication System: LTE TDD; Frequency: 2506 MHz; Duty Cycle: 1:1.59

Medium: HSL2600\_0326 Medium parameters used:  $f = 2506$  MHz;  $\sigma = 1.948$  S/m;  $\epsilon_r = 37.931$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2506 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.60 W/kg

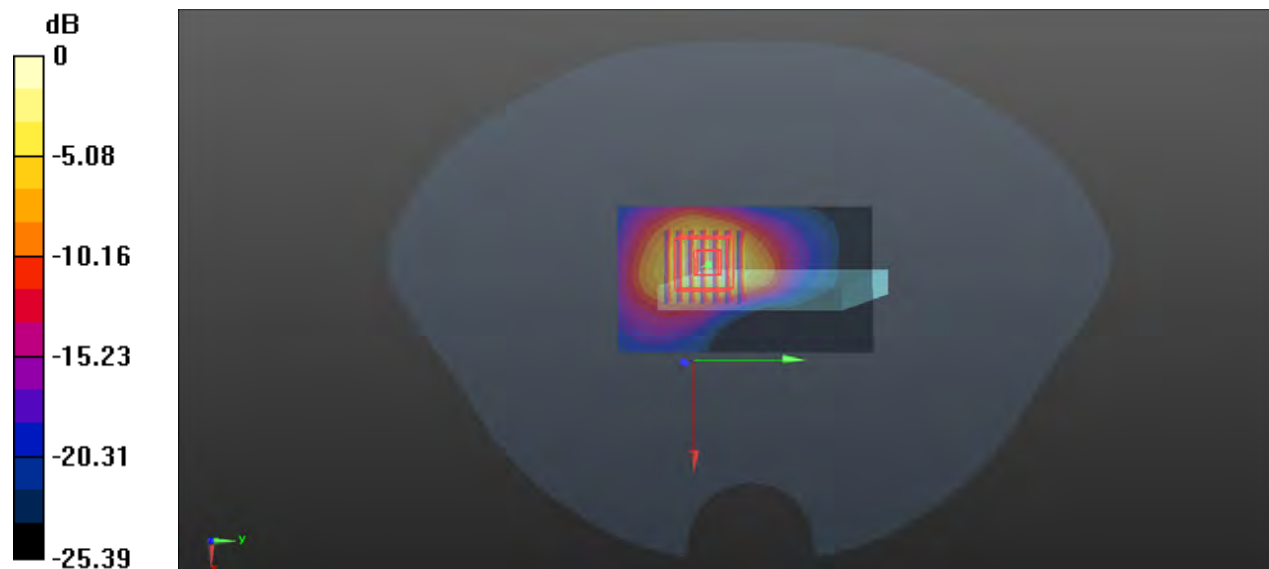
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.33 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 0.773 W/kg; SAR(10 g) = 0.377 W/kg**

Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg

### P32 WLAN2.4G\_802.11b\_Rear Face\_1cm\_Ch1

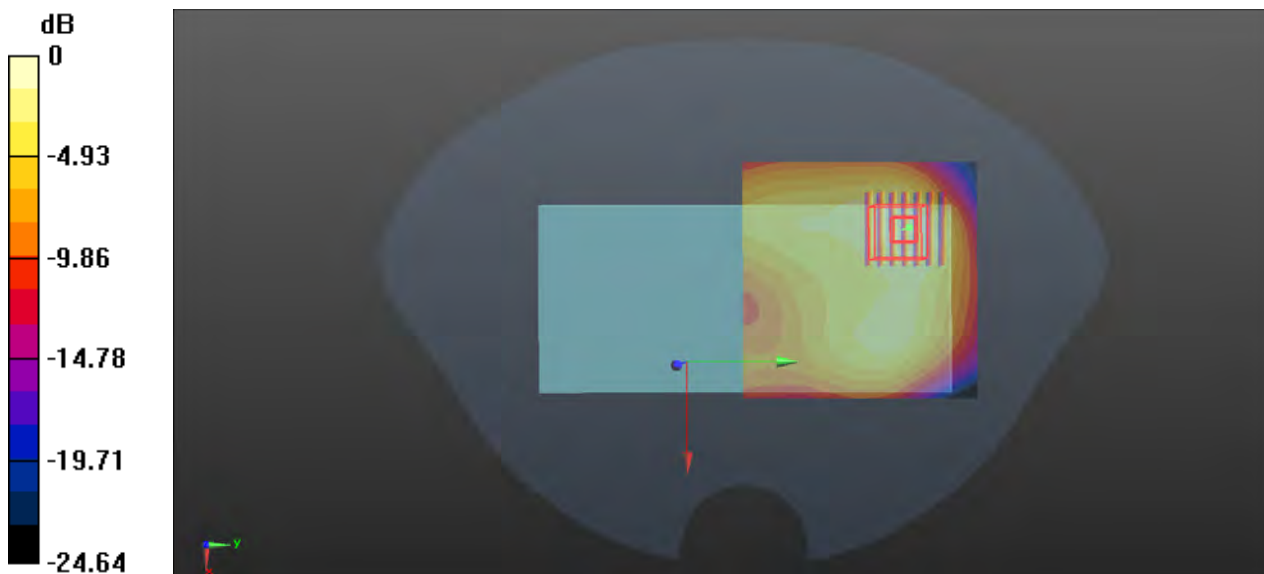
Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium: HSL2450\_0330 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.729$  S/m;  $\epsilon_r = 40.353$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5°C; Liquid Temperature : 22.5°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2412 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.363 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 5.028 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.435 W/kg  
**SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.109 W/kg**  
Maximum value of SAR (measured) = 0.344 W/kg



0 dB = 0.344 W/kg

### P33 WLAN5G\_802.11a\_Rear Face\_1cm\_Ch40

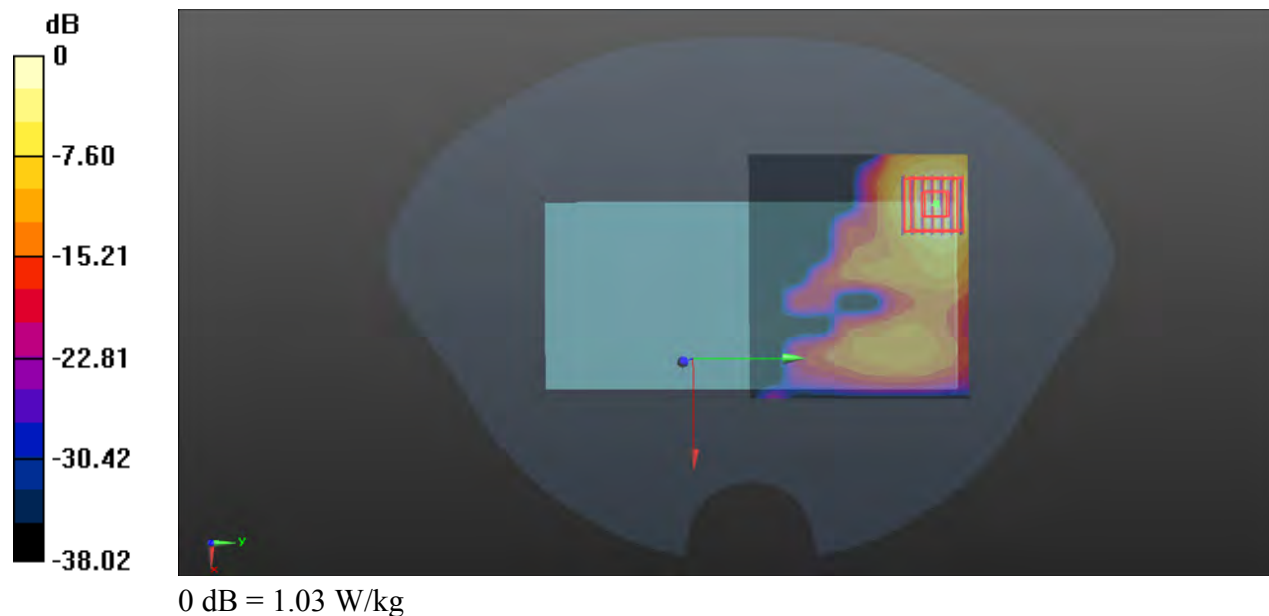
Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1.04  
Medium: HSL5G\_0330 Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.635$  S/m;  $\epsilon_r = 35.421$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.7°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5200 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.994 W/kg

- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 0.6310 V/m; Power Drift = -0.00 dB  
Peak SAR (extrapolated) = 1.62 W/kg  
**SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.151 W/kg**  
Maximum value of SAR (measured) = 1.03 W/kg



### P34 WLAN5G\_802.11a\_Top Side\_1cm\_Ch149

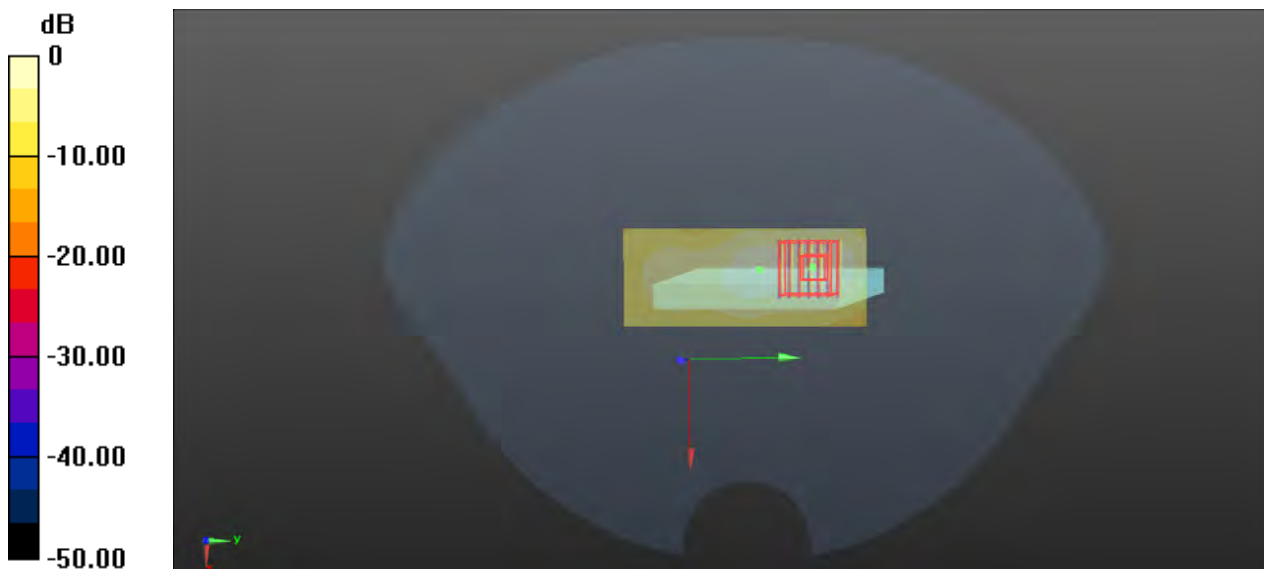
Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.04  
Medium: HSL5G\_0330 Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.187 \text{ S/m}$ ;  $\epsilon_r = 34.63$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.5^\circ\text{C}$ ; Liquid Temperature :  $22.3^\circ\text{C}$

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.48, 4.48, 4.48) @ 5745 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x101x1)**: Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$   
Maximum value of SAR (interpolated) =  $0.777 \text{ W/kg}$

- **Zoom Scan (7x7x12)/Cube 0**: Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$   
Reference Value =  $11.04 \text{ V/m}$ ; Power Drift =  $-0.08 \text{ dB}$   
Peak SAR (extrapolated) =  $1.17 \text{ W/kg}$   
**SAR(1 g) =  $0.274 \text{ W/kg}$ ; SAR(10 g) =  $0.101 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $0.665 \text{ W/kg}$



0 dB =  $0.665 \text{ W/kg}$

### P35 BT\_GFSK\_Rear Face\_1cm\_Ch0

Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:1.3

Medium: HSL2450\_0330 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.719$  S/m;  $\epsilon_r = 40.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2402 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 0.0307 W/kg

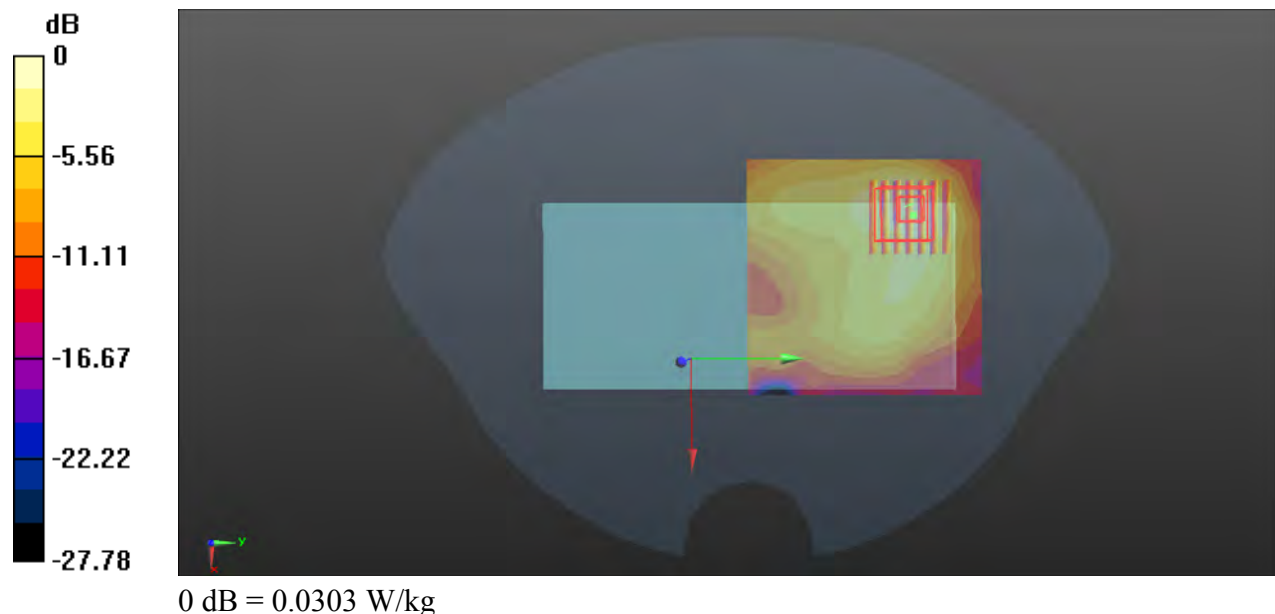
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.9060 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0390 W/kg

**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00868 W/kg**

Maximum value of SAR (measured) = 0.0303 W/kg



### P36 LTE 7\_QPSK20M\_Top Side\_0cm\_Ch20850\_50RB\_OS25\_Ant4

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL2600\_0326 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.953$  S/m;  $\epsilon_r = 37.916$ ;  $\rho = 1000$  kg/m<sup>3</sup>

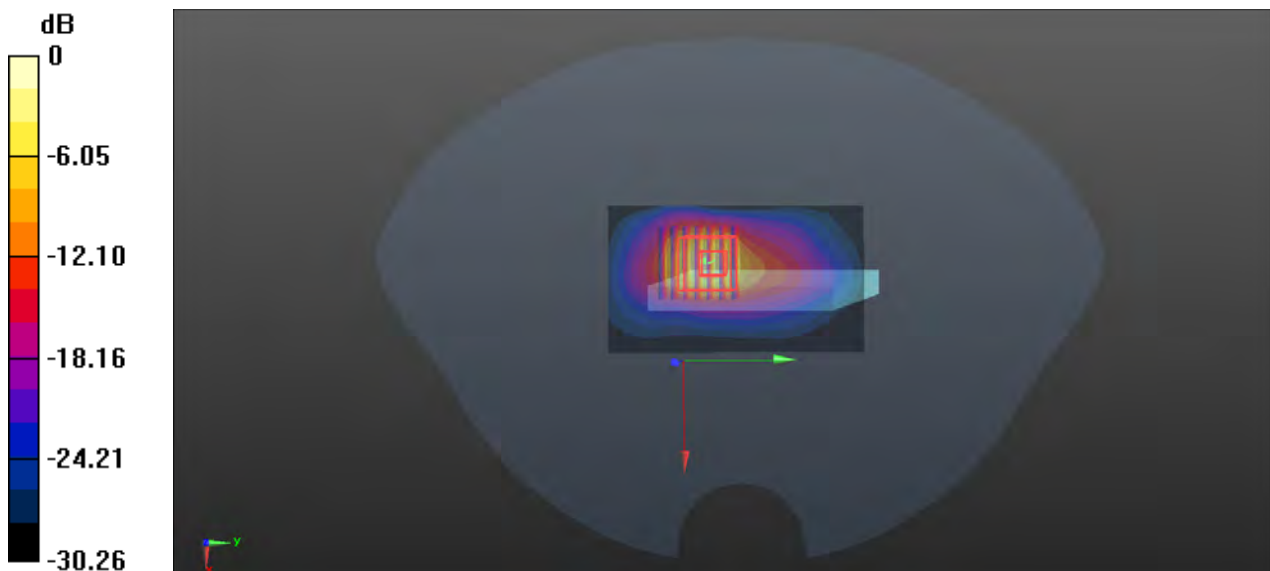
Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2510 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 6.53 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 31.94 V/m; Power Drift = 0.07 dB  
 Peak SAR (extrapolated) = 12.5 W/kg  
**SAR(1 g) = 3.88 W/kg; SAR(10 g) = 1.41 W/kg**  
 Maximum value of SAR (measured) = 8.86 W/kg



0 dB = 8.86 W/kg

### P37 LTE 38\_QPSK20M\_Top Side\_0cm\_Ch38150\_50RB\_OS0\_Ant4

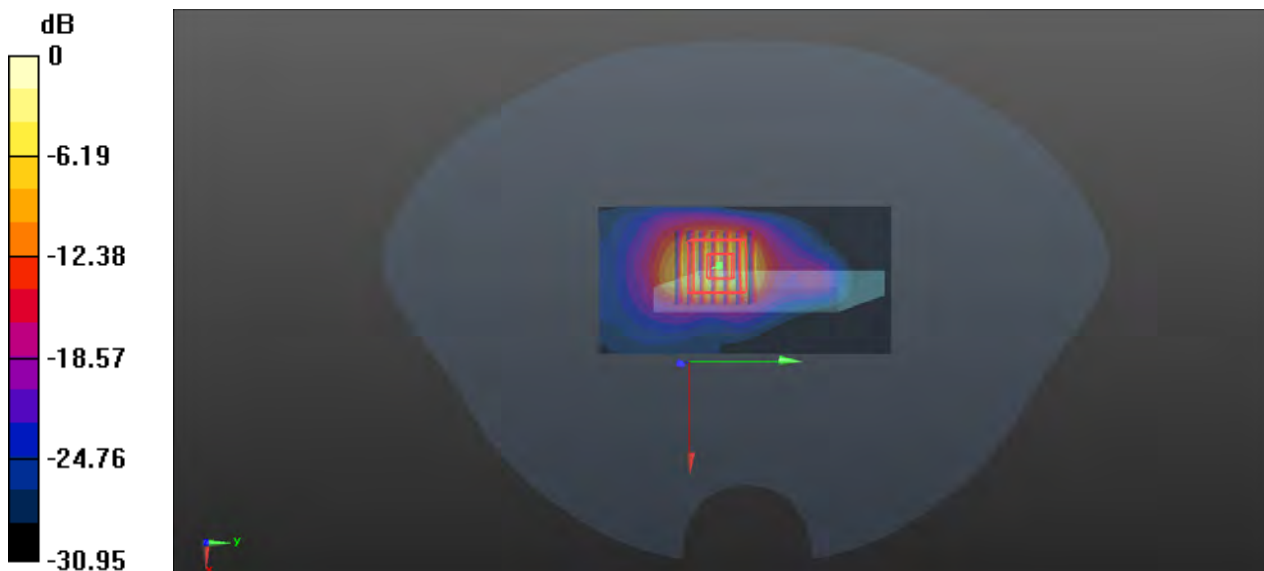
Communication System: LTE TDD; Frequency: 2610 MHz; Duty Cycle: 1:1.59  
Medium: HSL2600\_0326 Medium parameters used:  $f = 2610$  MHz;  $\sigma = 2.069$  S/m;  $\epsilon_r = 37.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5°C; Liquid Temperature : 22.6°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2610 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 5.34 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 34.10 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 12.9 W/kg  
**SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.39 W/kg**  
Maximum value of SAR (measured) = 9.15 W/kg



0 dB = 9.15 W/kg



### P38 LTE 41\_QPSK20M\_Top Side\_0cm\_Ch39750\_1RB\_OS50\_Ant4

Communication System: LTE TDD; Frequency: 2506 MHz; Duty Cycle: 1:1.59

Medium: HSL2600\_0326 Medium parameters used:  $f = 2506$  MHz;  $\sigma = 1.948$  S/m;  $\epsilon_r = 37.931$ ;  $\rho = 1000$  kg/m<sup>3</sup>

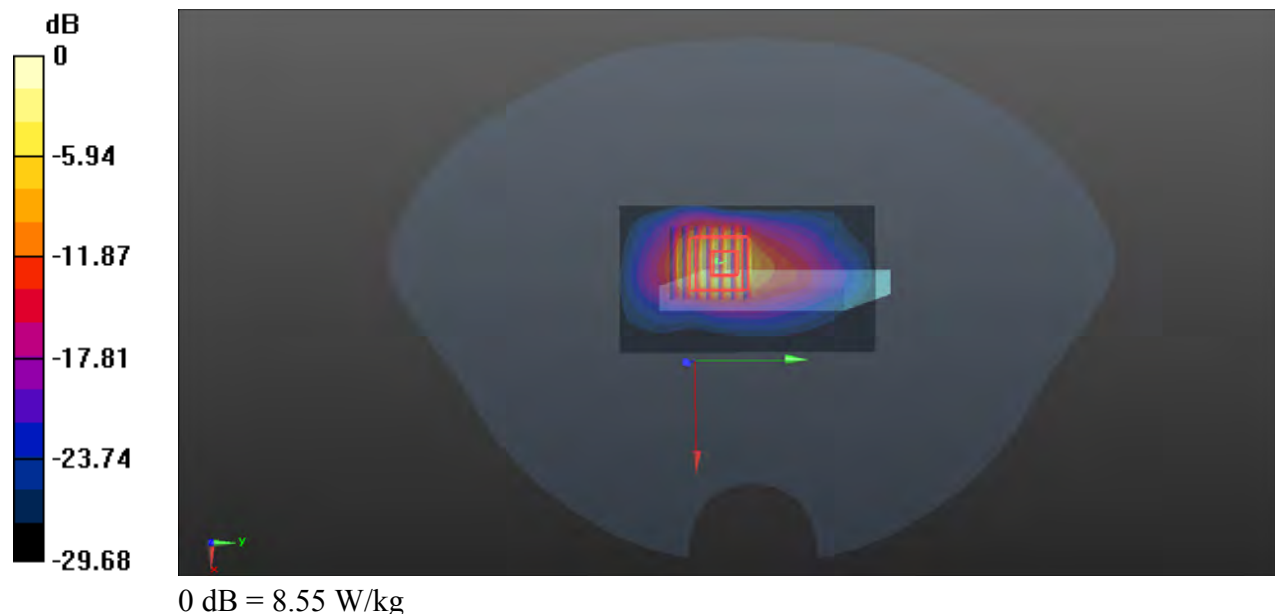
Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2506 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 6.02 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 31.30 V/m; Power Drift = 0.11 dB  
 Peak SAR (extrapolated) = 11.9 W/kg  
**SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.39 W/kg**  
 Maximum value of SAR (measured) = 8.55 W/kg



### P39 WLAN5G\_802.11a\_Top Side\_0cm\_Ch64

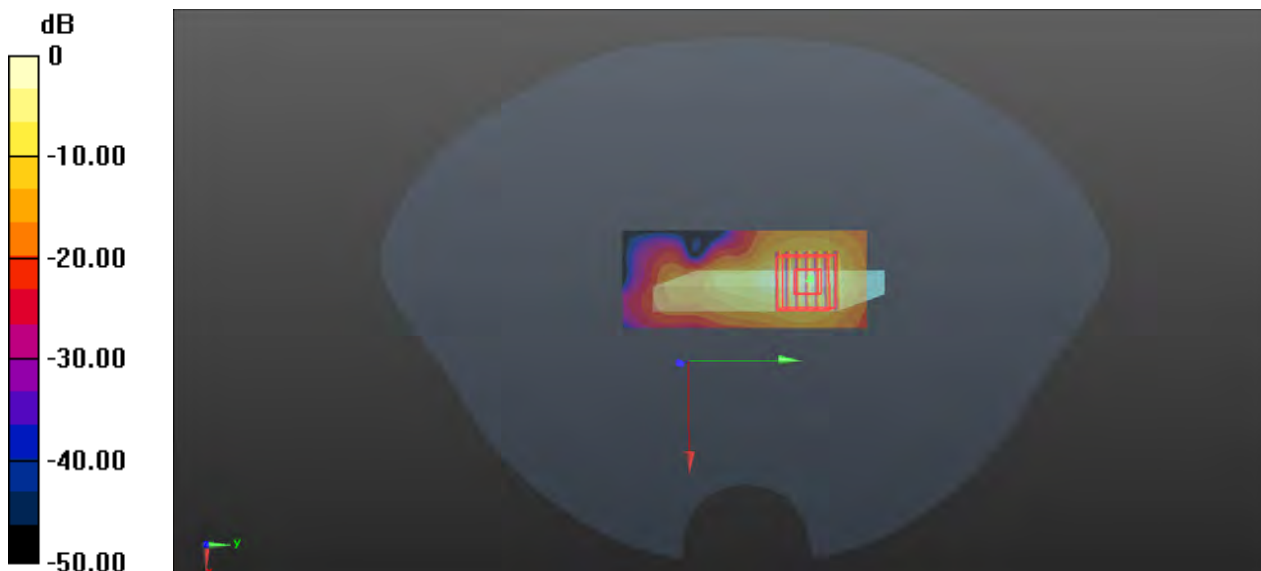
Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.04  
Medium: HSL5G\_0330 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.751$  S/m;  $\epsilon_r = 35.248$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3°C; Liquid Temperature : 22.7°C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5320 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 6.75 W/kg

- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 14.14 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 12.5 W/kg  
**SAR(1 g) = 1.98 W/kg; SAR(10 g) = 0.526 W/kg**  
Maximum value of SAR (measured) = 6.07 W/kg



0 dB = 6.07 W/kg

### P40 WLAN5G\_802.11a\_Top Side\_0cm\_Ch140

Communication System: 802.11a; Frequency: 5700 MHz; Duty Cycle: 1:1.04

Medium: HSL5G\_0330 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.137$  S/m;  $\epsilon_r = 34.693$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.47, 4.47, 4.47) @ 5700 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x101x1)**: Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 8.61 W/kg

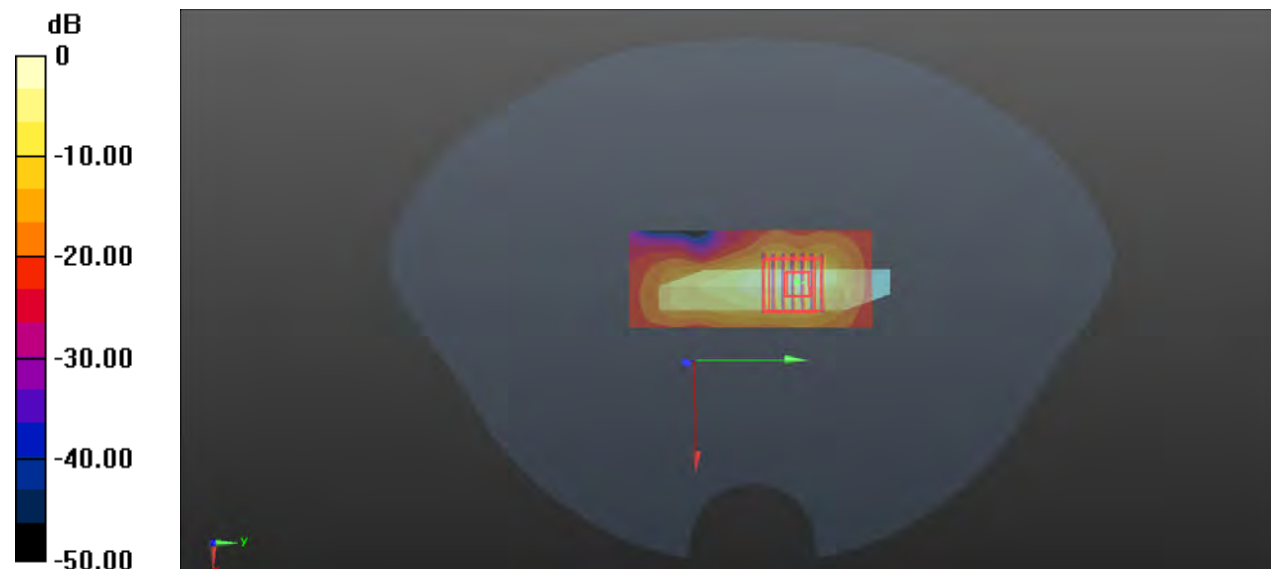
- **Zoom Scan (7x7x12)/Cube 0**: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 26.08 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 18.2 W/kg

**SAR(1 g) = 2.62 W/kg; SAR(10 g) = 0.707 W/kg**

Maximum value of SAR (measured) = 8.74 W/kg



0 dB = 8.74 W/kg



## Appendix C. Calibration Certificate for Probe and Dipole

The SPEAG calibration certificates are shown as follows.



In Collaboration with  
**s p e a g**  
CALIBRATION LABORATORY



中国认可  
国际互认  
校准  
CALIBRATION  
CNAS L0570

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, Chi  
Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504  
E-mail: cttl@chinattl.com http://www.chinattl.cn

Client **B.V.ADT**

Certificate No: **Z21-60333**

## CALIBRATION CERTIFICATE

Object **D835V2 - SN: 4d139**

Calibration Procedure(s) **FF-Z11-003-01**  
Calibration Procedures for dipole validation kits

Calibration date: **September 17, 2021**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Power sensor NRP8S	104291	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Reference Probe EX3DV4	SN 7517	03-Feb-21(CTTL-SPEAG,No.Z21-60001)	Feb-22
DAE4	SN 1556	15-Jan-21(SPEAG,No.DAE4-1556_Jan21)	Jan-22
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	01-Feb-21 (CTTL, No.J21X00593)	Jan-22
NetworkAnalyzer E5071C	MY46110673	14-Jan-21 (CTTL, No.J21X00232)	Jan-22

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Hao	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: September 22, 2021

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China  
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### Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM <sub>x,y,z</sub>
N/A	not applicable or not measured

### Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

### Additional Documentation:

- DASY4/5 System Handbook

### Methods Applied and Interpretation of Parameters:

- Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured:* SAR measured at the stated antenna input power.
- SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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### Measurement Conditions

DASY system configuration, as far as not given on page 1.

<b>DASY Version</b>	DASY52	V52.10.4
<b>Extrapolation</b>	Advanced Extrapolation	
<b>Phantom</b>	Triple Flat Phantom 5.1C	
<b>Distance Dipole Center - TSL</b>	15 mm	with Spacer
<b>Zoom Scan Resolution</b>	dx, dy, dz = 5 mm	
<b>Frequency</b>	835 MHz ± 1 MHz	

### Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
<b>Nominal Head TSL parameters</b>	22.0 °C	41.5	0.90 mho/m
<b>Measured Head TSL parameters</b>	(22.0 ± 0.2) °C	41.2 ± 6 %	0.91 mho/m ± 6 %
<b>Head TSL temperature change during test</b>	<1.0 °C	----	----

### SAR result with Head TSL

<b>SAR averaged over 1 cm<sup>3</sup> (1 g) of Head TSL</b>	Condition	
SAR measured	250 mW input power	2.39 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	<b>9.47 W/kg ± 18.8 % (k=2)</b>
<b>SAR averaged over 10 cm<sup>3</sup> (10 g) of Head TSL</b>	Condition	
SAR measured	250 mW input power	1.55 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	<b>6.15 W/kg ± 18.7 % (k=2)</b>



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## Appendix (Additional assessments outside the scope of CNAS L0570)

### Antenna Parameters with Head TSL

Impedance, transformed to feed point	51.4Ω- 2.93jΩ
Return Loss	- 29.9dB

### General Antenna Parameters and Design

Electrical Delay (one direction)	1.302 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

### Additional EUT Data

Manufactured by	SPEAG
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### DASY5 Validation Report for Head TSL

Date: 09.17.2021

Test Laboratory: CTTL, Beijing, China

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 4d139**

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.91$  S/m;  $\epsilon_r = 41.23$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(9.81, 9.81, 9.81) @ 835 MHz; Calibrated: 2021-02-03
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1556; Calibrated: 2021-01-15
- Phantom: MFP\_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Reference Value = 58.58 V/m; Power Drift = 0.00 dB

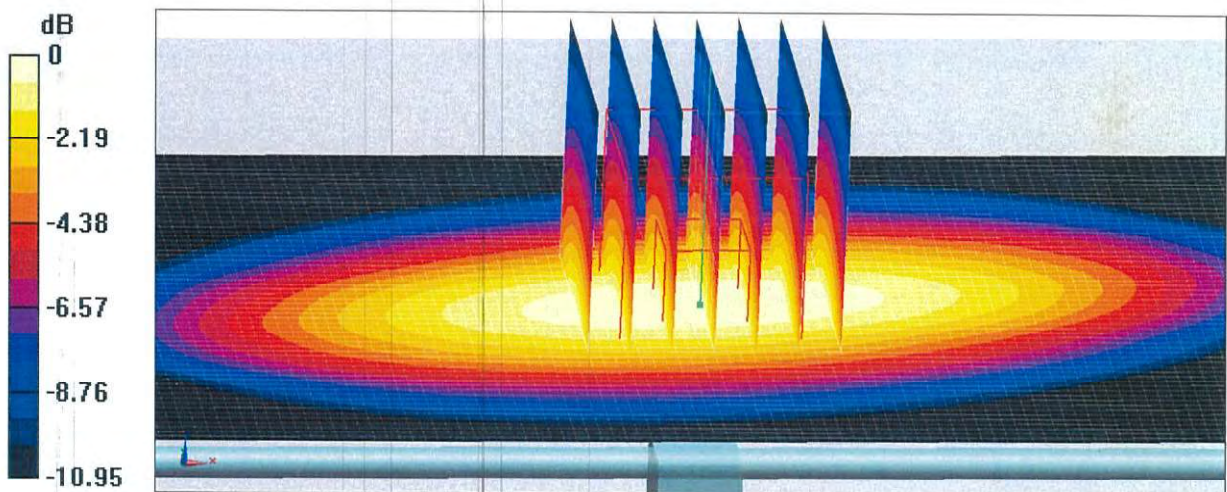
Peak SAR (extrapolated) = 3.75 W/kg

**SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.55 W/kg**

Smallest distance from peaks to all points 3 dB below = 17.5 mm

Ratio of SAR at M2 to SAR at M1 = 63.9%

Maximum value of SAR (measured) = 3.27 W/kg



0 dB = 3.27 W/kg = 5.15 dBW/kg



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### Impedance Measurement Plot for Head TSL

