

## System Check\_Body\_835MHz

### DUT: D835V2-SN:4d162

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

Medium: MSL\_835\_180829 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.977 \text{ S/m}$ ;  $\epsilon_r = 54.442$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 3.17 W/kg

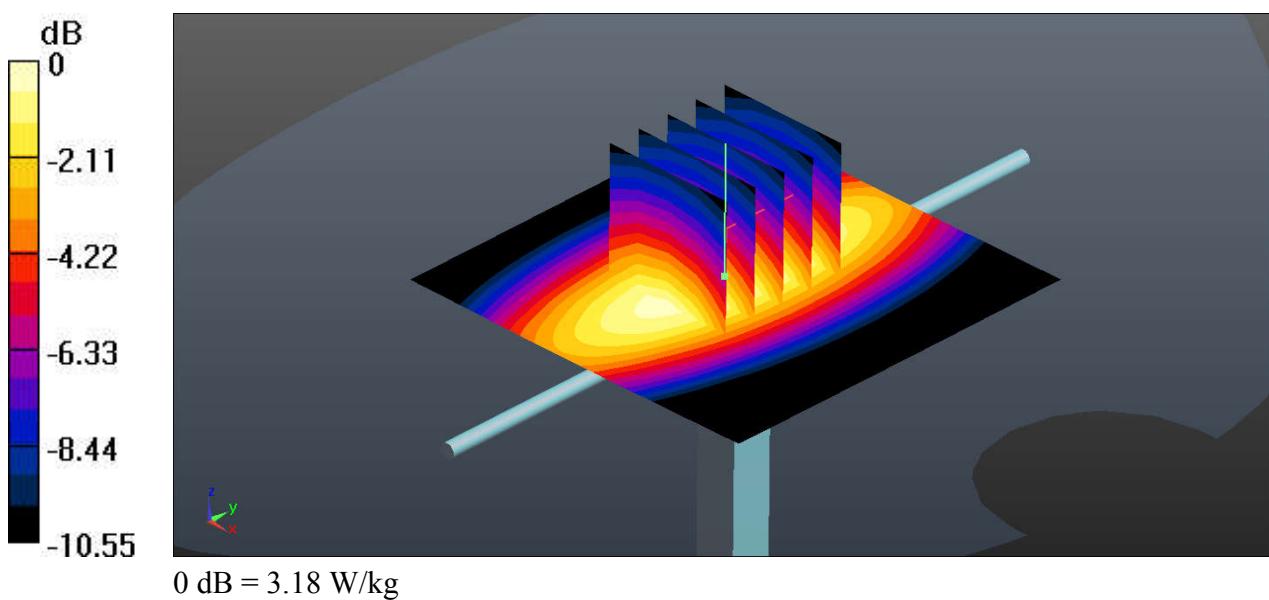
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.38 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.73 W/kg

**SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.65 W/kg**

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



## System Check\_Body\_1750MHz

DUT: D1750V2-SN:1137

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_180901 Medium parameters used:  $f = 1750 \text{ MHz}$ ;  $\sigma = 1.515 \text{ S/m}$ ;  $\epsilon_r = 55.246$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.93, 7.93, 7.93); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 12.3 W/kg

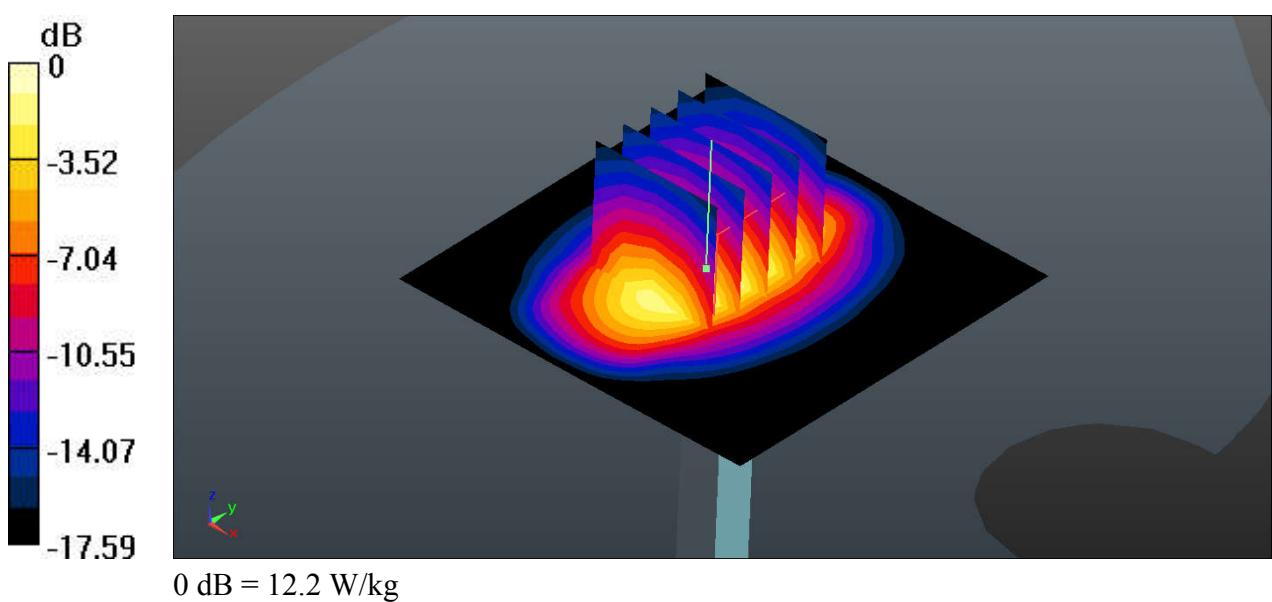
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.03 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 15.7 W/kg

**SAR(1 g) = 8.69 W/kg; SAR(10 g) = 4.58 W/kg**

Maximum value of SAR (measured) = 12.2 W/kg



## System Check\_Body\_1900MHz

### DUT: D1900V2-SN:5d182

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_180901 Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.543 \text{ S/m}$ ;  $\epsilon_r = 52.519$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.69, 7.69, 7.69); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm

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

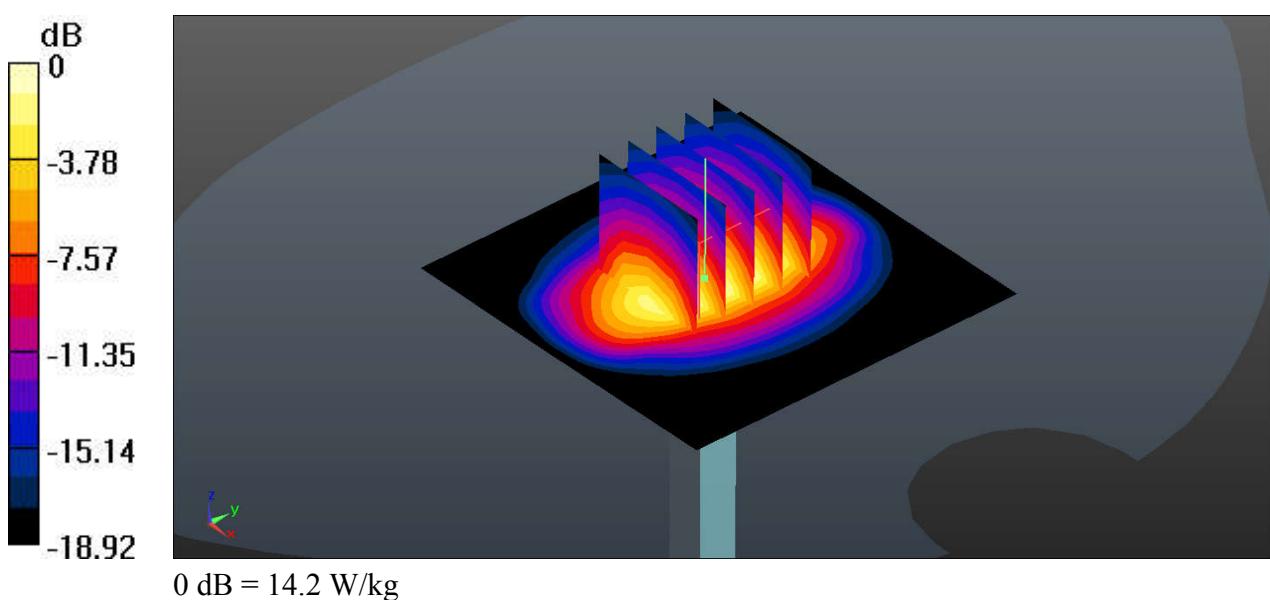
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.19 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 18.3 W/kg

**SAR(1 g) = 9.91 W/kg; SAR(10 g) = 5.02 W/kg**

Maximum value of SAR (measured) = 14.2 W/kg



## System Check\_Body\_2450MHz

### DUT: D2450V2-SN:924

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

Medium: MSL\_2450\_180831 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.001$  S/m;  $\epsilon_r = 52.089$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.46, 7.46, 7.46); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=250mW/Area Scan (81x81x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 19.6 W/kg

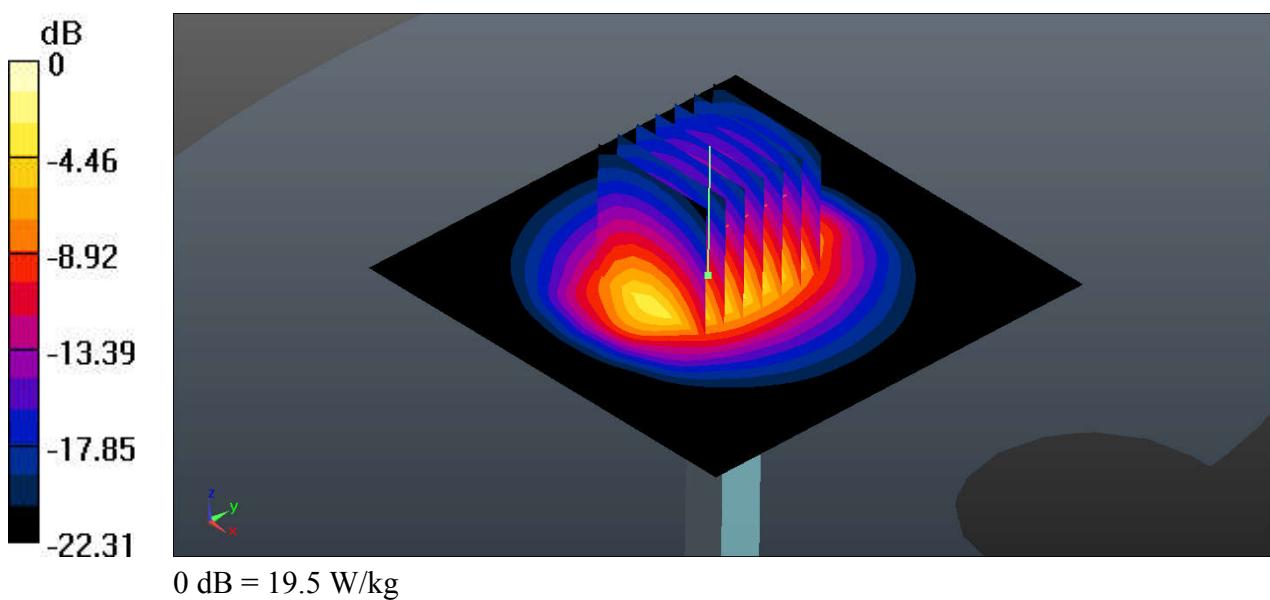
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.47 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 26.2 W/kg

**SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.83 W/kg**

Maximum value of SAR (measured) = 19.5 W/kg



## System Check\_Body\_2600MHz

### DUT: D2600V2-SN:1070

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

Medium: MSL\_2600\_180831 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.165$  S/m;  $\epsilon_r = 53.823$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.92, 6.92, 6.92); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=250mW/Area Scan (71x71x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 21.3 W/kg

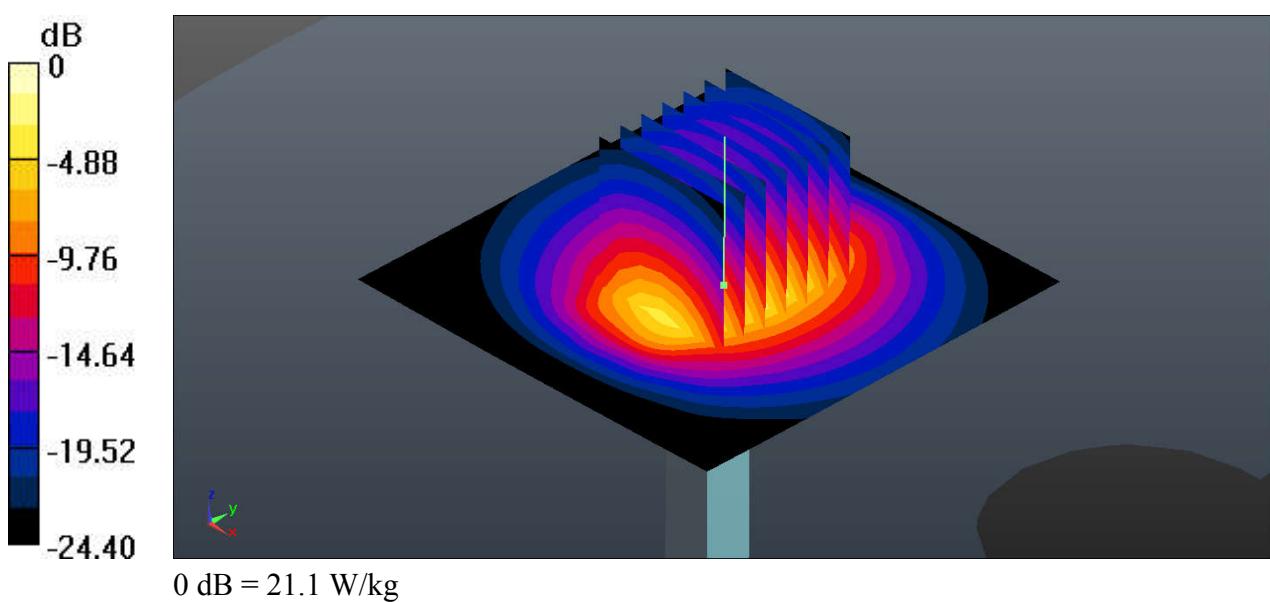
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.57 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 29.2 W/kg

**SAR(1 g) = 13.5 W/kg; SAR(10 g) = 5.9 W/kg**

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



## System Check\_Body\_5250MHz

### DUT: D5GHzV2-SN:1167

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

Medium: MSL\_5250\_180902 Medium parameters used:  $f = 5250 \text{ MHz}$ ;  $\sigma = 5.418 \text{ S/m}$ ;  $\epsilon_r = 47.824$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.7, 4.7, 4.7); Calibrated: 2018.01.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 18.1 W/kg

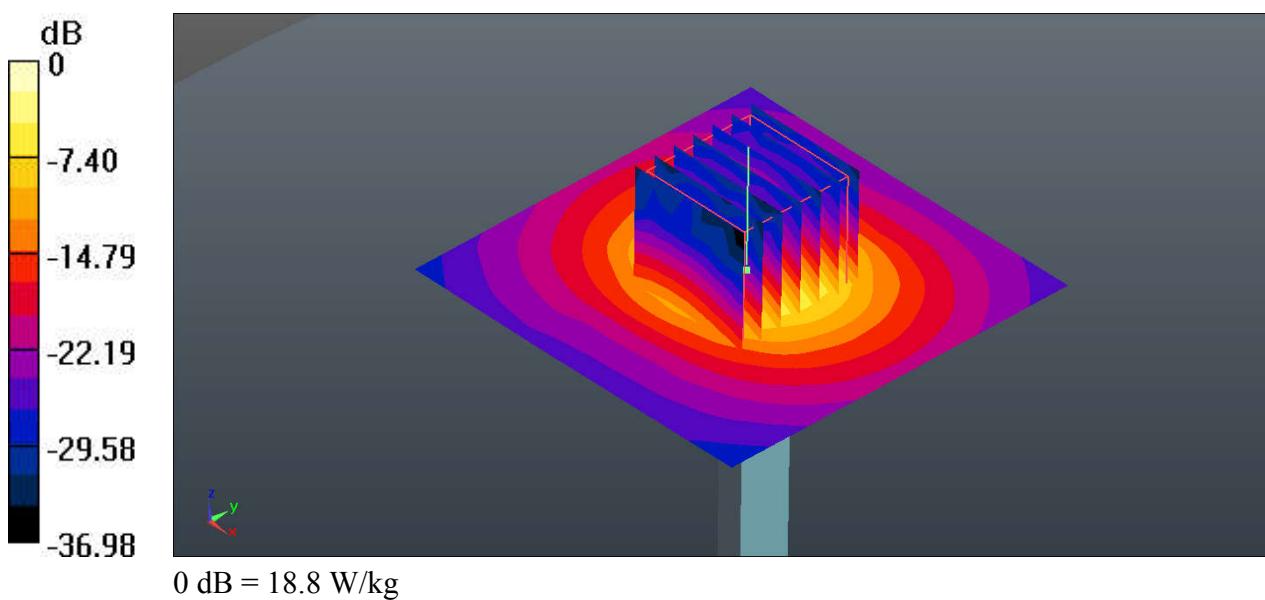
**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.55 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 31.1 W/kg

**SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.11 W/kg**

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



## System Check\_Body\_5600MHz

### DUT: D5GHzV2-SN:1167

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: MSL\_5600\_180902 Medium parameters used:  $f = 5600 \text{ MHz}$ ;  $\sigma = 5.892 \text{ S/m}$ ;  $\epsilon_r = 47.208$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.18, 4.18, 4.18); Calibrated: 2018.01.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 20.4 W/kg

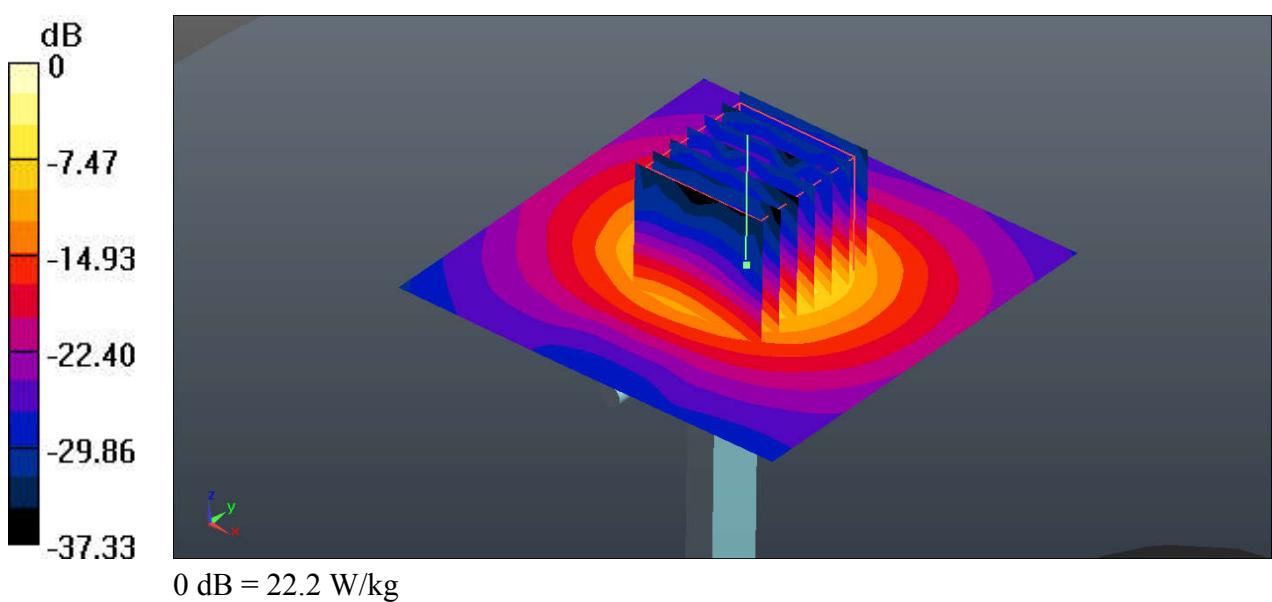
**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.72 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 35.2 W/kg

**SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.3 W/kg**

Maximum value of SAR (measured) = 22.2 W/kg



## System Check\_Body\_5750MHz

### DUT: D5GHzV2-SN:1167

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

Medium: MSL\_5750\_180902 Medium parameters used:  $f = 5750 \text{ MHz}$ ;  $\sigma = 6.111 \text{ S/m}$ ;  $\epsilon_r = 46.899$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.32, 4.32, 4.32); Calibrated: 2018.01.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 19.8 W/kg

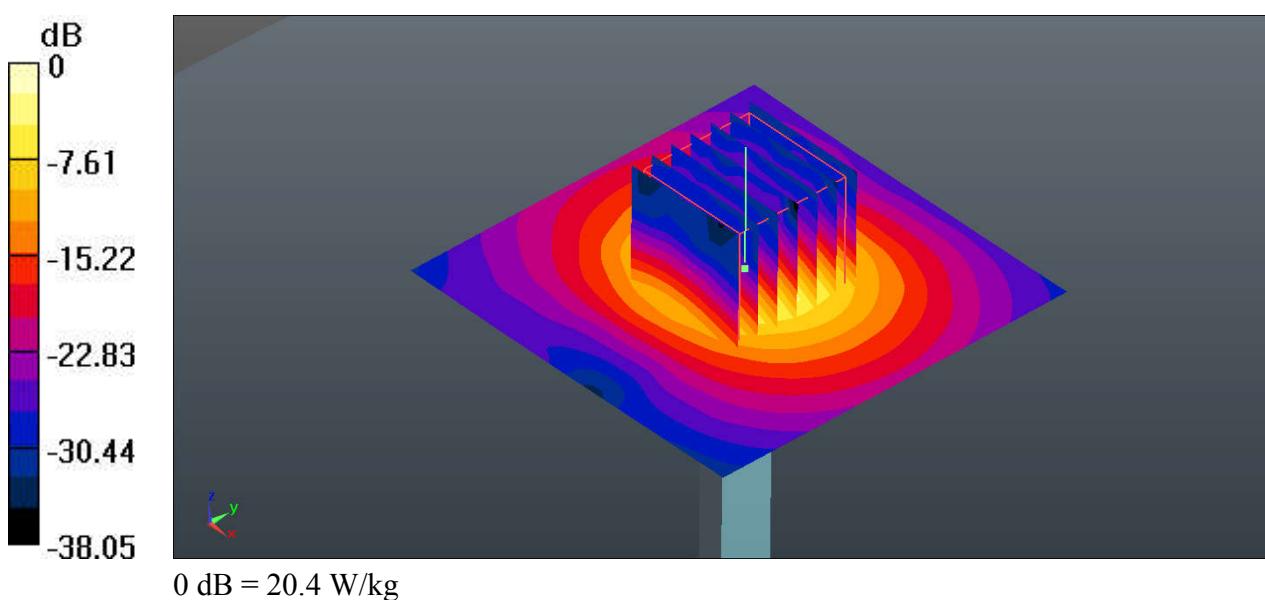
**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 45.60 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 35.7 W/kg

**SAR(1 g) = 8.01 W/kg; SAR(10 g) = 2.21 W/kg**

Maximum value of SAR (measured) = 20.4 W/kg





## Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

## 01\_GSM850\_GPRS(3 Tx slots)\_Right Cheek\_Ch128

Communication System: UID 0, GPRS/EDGE11 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.77  
Medium: HSL\_835\_180826 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.919 \text{ S/m}$ ;  $\epsilon_r = 41.913$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.66, 9.66, 9.66); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

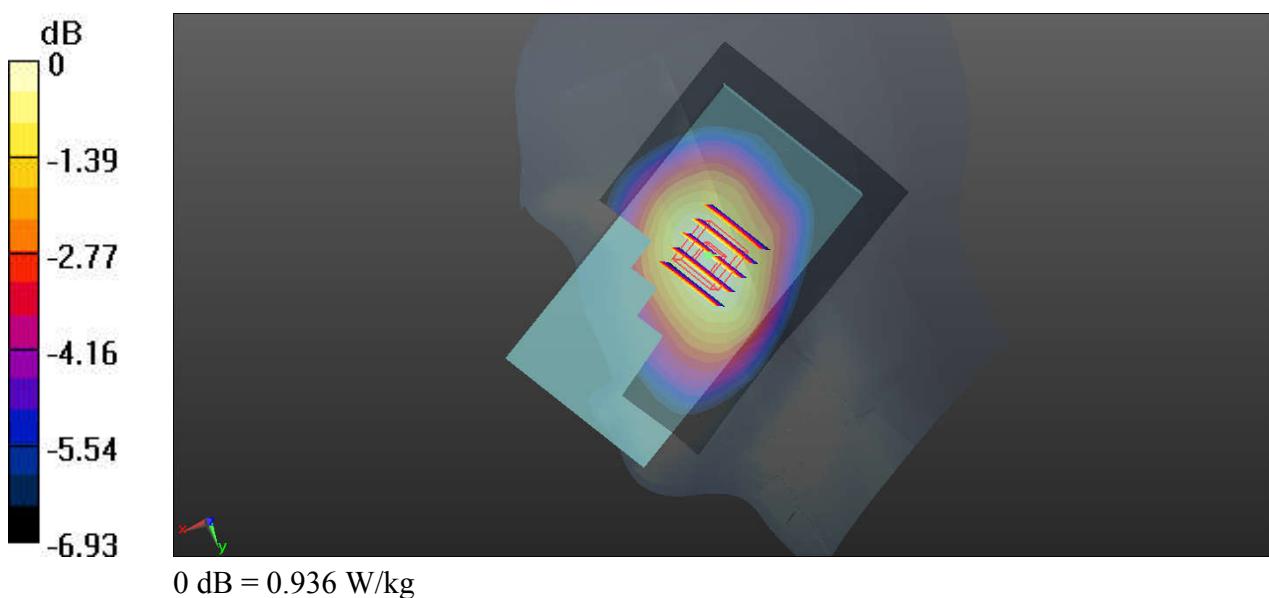
**Ch128/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.933 W/kg

**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.686 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.00 W/kg

**SAR(1 g) = 0.830 W/kg; SAR(10 g) = 0.646 W/kg**

Maximum value of SAR (measured) = 0.936 W/kg



## 02\_GSM1900\_GPRS(3 Tx slots)\_Right Cheek\_Ch661

Communication System: UID 0, GPRS/EDGE11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium: HSL\_1900\_180826 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.435$  S/m;  $\epsilon_r = 40.161$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.13, 8.13, 8.13); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

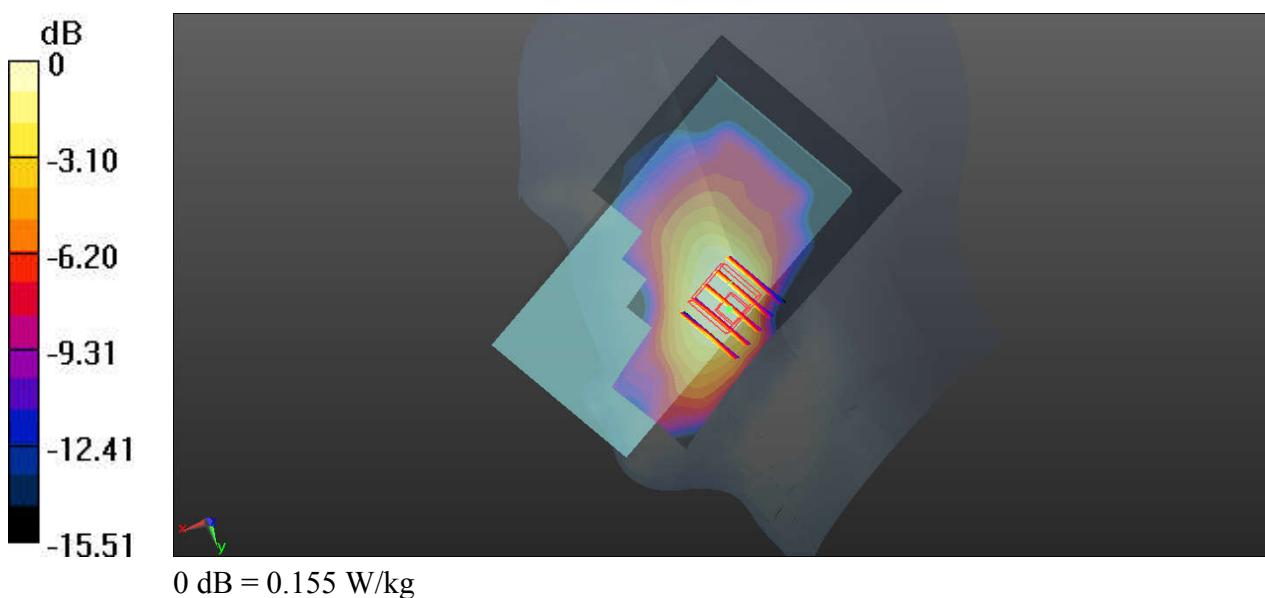
**Ch661/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.158 W/kg

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 0.3380 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.497 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.155 W/kg



## 03\_WCDMA Band V\_RMC 12.2Kbps\_Left Cheek\_Ch4132

Communication System: UID 0, UMTS (0); Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_835\_180826 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 41.889$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.66, 9.66, 9.66); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4132/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.551 W/kg

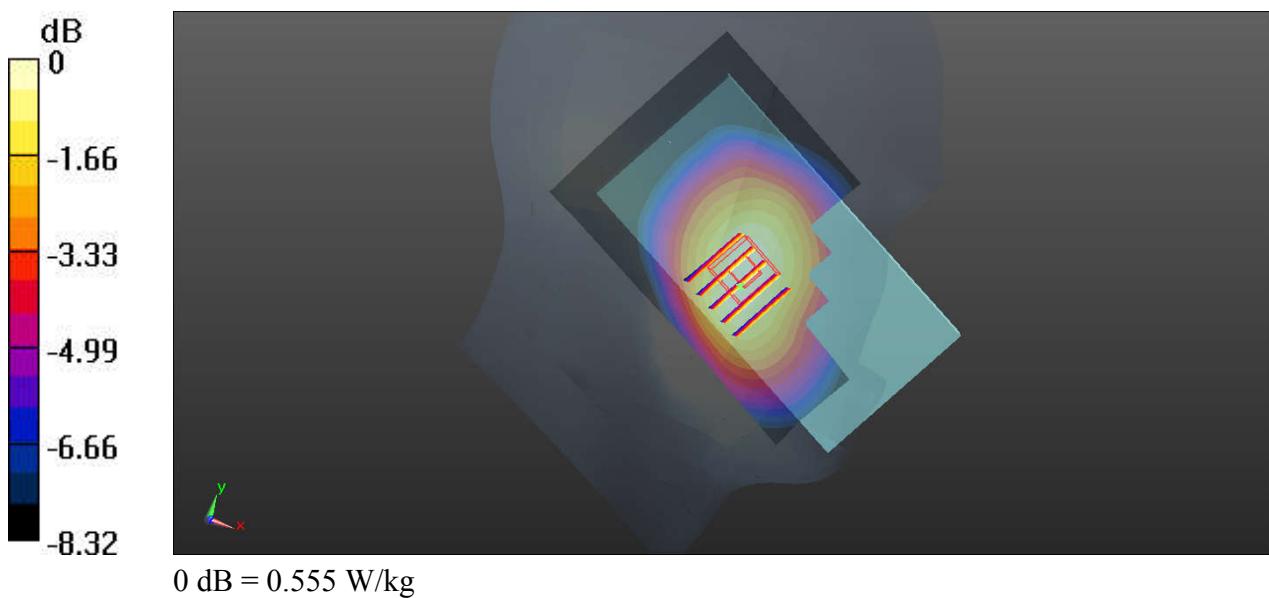
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.619 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.605 W/kg

**SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.383 W/kg**

Maximum value of SAR (measured) = 0.555 W/kg



## 04\_WCDMA Band IV\_RMC 12.2Kbps\_Right Cheek\_Ch1513

Communication System: UID 0, UMTS (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750\_180826 Medium parameters used:  $f = 1752.6$  MHz;  $\sigma = 1.385$  S/m;  $\epsilon_r = 41.544$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.8 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.37, 8.37, 8.37); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch1513/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.654 W/kg

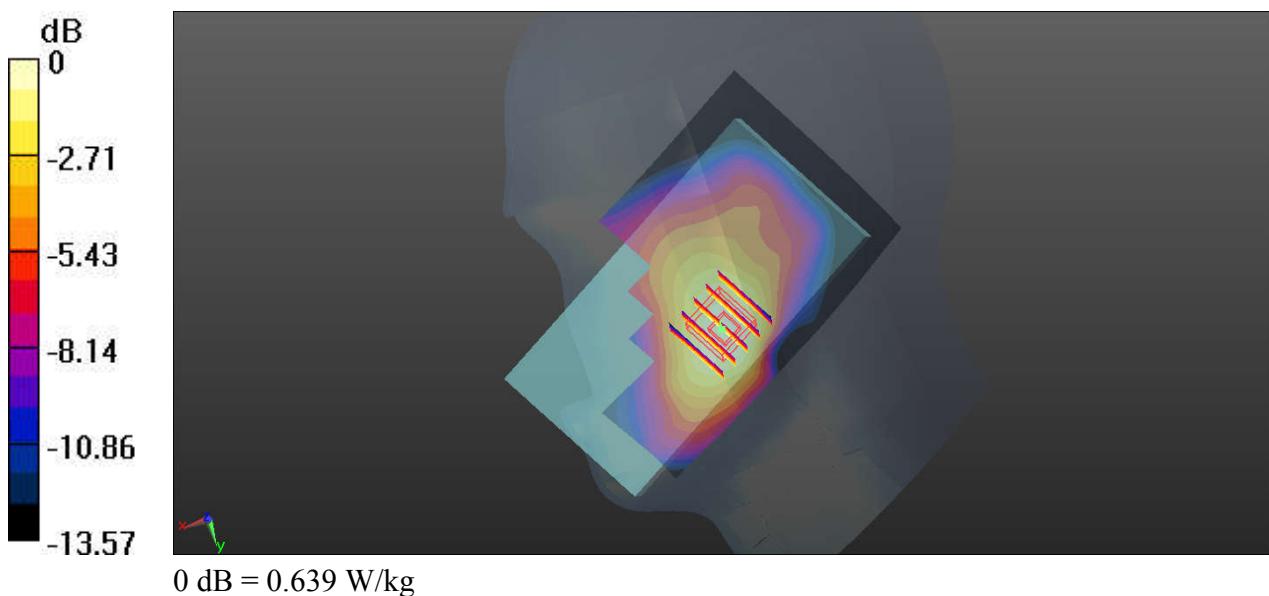
**Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.184 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.739 W/kg

**SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.351 W/kg**

Maximum value of SAR (measured) = 0.639 W/kg



## 05\_WCDMA Band II\_RMC 12.2Kbps\_Right Cheek\_Ch9400

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_180826 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.435$  S/m;  $\epsilon_r = 40.161$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.13, 8.13, 8.13); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9400/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.841 W/kg

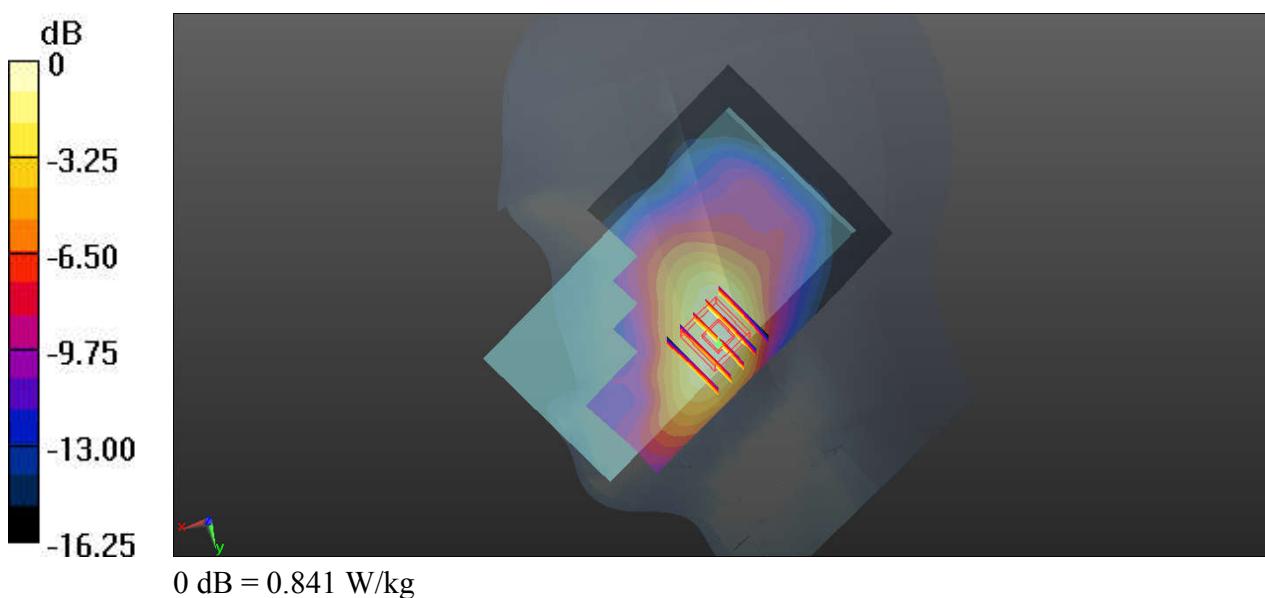
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.090 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.882 W/kg

**SAR(1 g) = 0.621 W/kg; SAR(10 g) = 0.407 W/kg**

Maximum value of SAR (measured) = 0.763 W/kg



## 06\_CDMA2000 BC10\_RC3 SO55\_Left Cheek\_Ch684

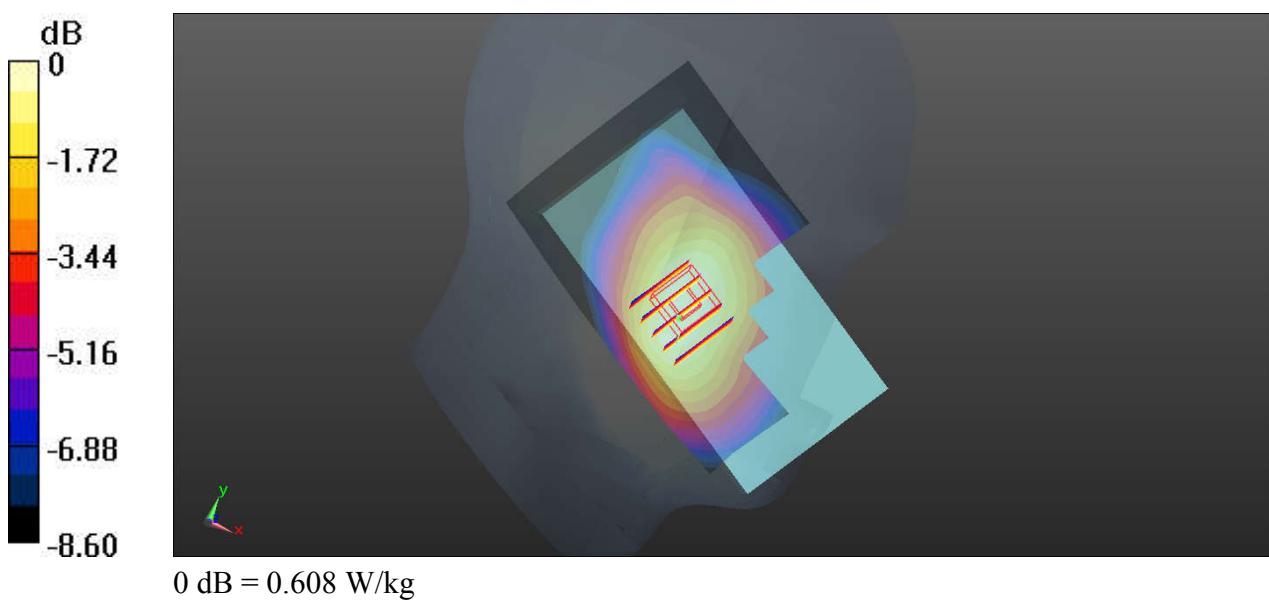
Communication System: UID 0, CDMA2000 (0); Frequency: 823.1 MHz; Duty Cycle: 1:1  
Medium: HSL\_835\_180826 Medium parameters used:  $f = 823.1 \text{ MHz}$ ;  $\sigma = 0.918 \text{ S/m}$ ;  $\epsilon_r = 41.926$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.66, 9.66, 9.66); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch684/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.608 W/kg

**Ch684/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.693 V/m; Power Drift = 0.17 dB  
Peak SAR (extrapolated) = 0.771 W/kg  
**SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.429 W/kg**  
Maximum value of SAR (measured) = 0.669 W/kg



## 07\_CDMA2000 BC0\_RC3 SO55\_Left Cheek\_Ch384

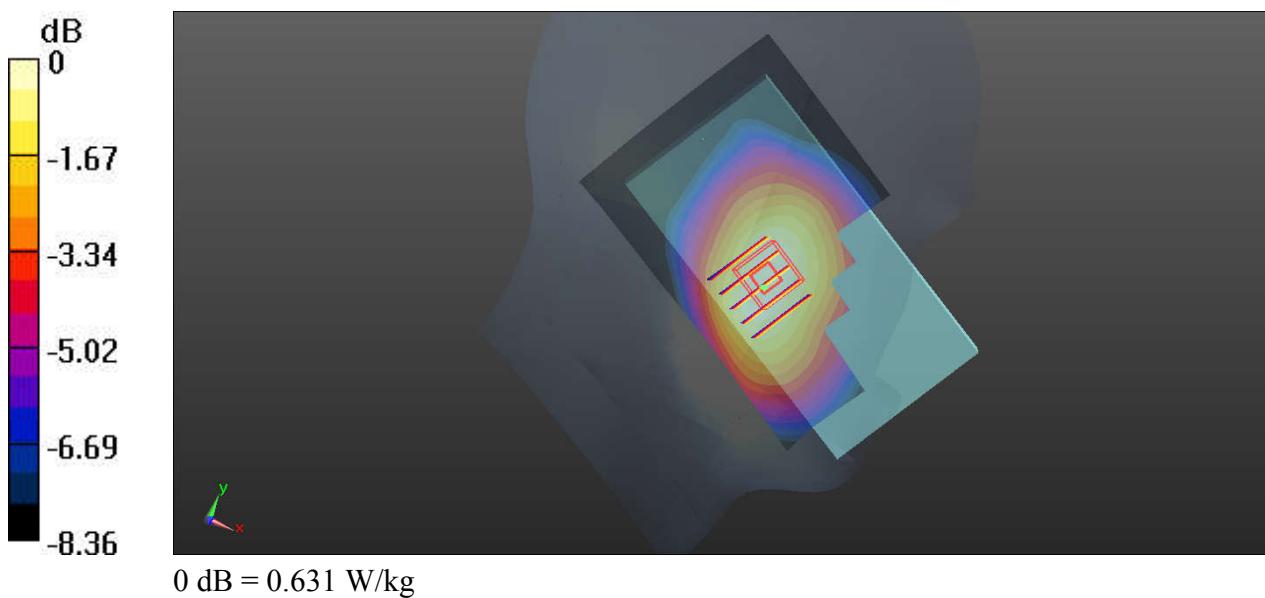
Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium: HSL\_835\_180826 Medium parameters used:  $f = 836.52$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 41.777$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.66, 9.66, 9.66); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch384/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.634 W/kg

**Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.727 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.683 W/kg  
**SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.436 W/kg**  
Maximum value of SAR (measured) = 0.631 W/kg



## 08\_CDMA2000 BC1\_RC3 SO55\_Right Cheek\_Ch600

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_180826 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.435$  S/m;  $\epsilon_r = 40.161$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.13, 8.13, 8.13); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

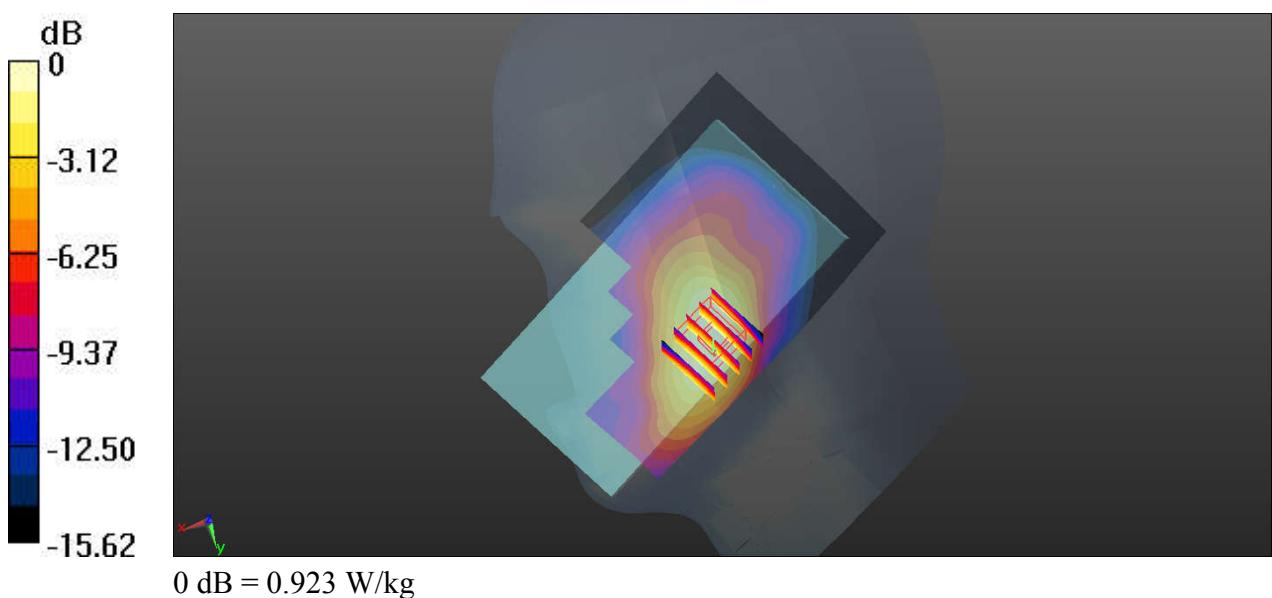
**Ch600/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.923 W/kg

**Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 1.715 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.468 W/kg**

Maximum value of SAR (measured) = 0.865 W/kg



**09\_LTE Band 12\_10M\_QPSK\_1RB\_49Offset\_Left Cheek\_Ch23095**

Communication System: UID 0, LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_750\_180826 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.865$  S/m;  $\epsilon_r = 41.644$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(10.06, 10.06, 10.06); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

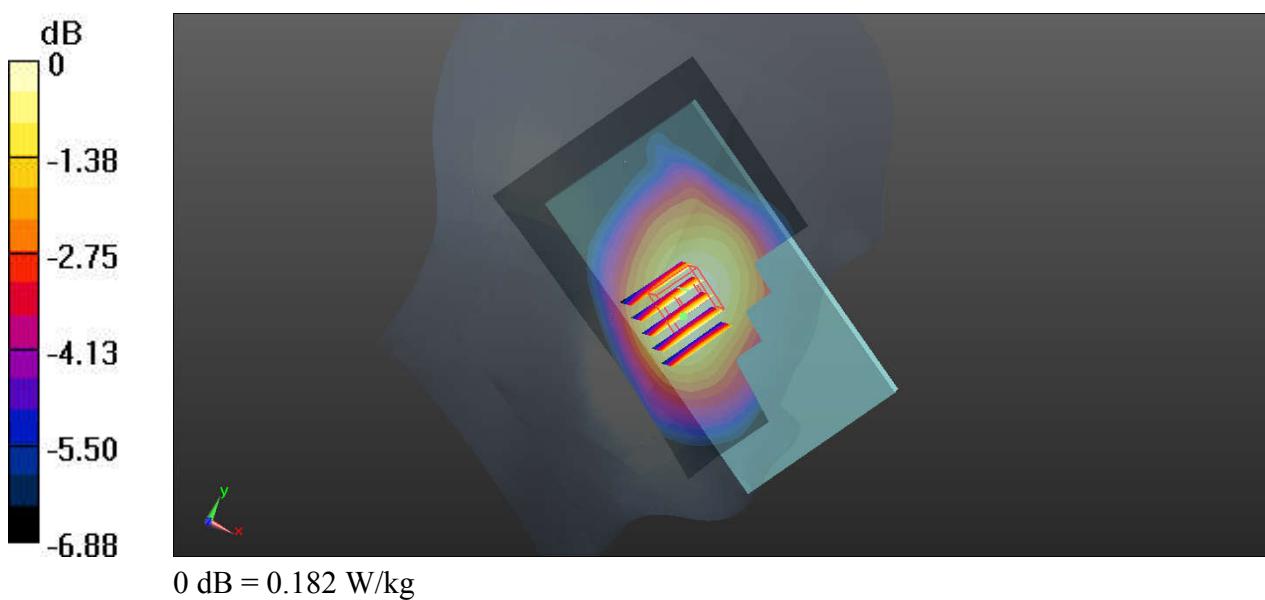
**Ch23095/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.182 W/kg

**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.588 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.195 W/kg

**SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.134 W/kg**

Maximum value of SAR (measured) = 0.182 W/kg



**10\_LTE Band 13\_10M\_QPSK\_1RB\_0Offset\_Left Cheek\_Ch23230**

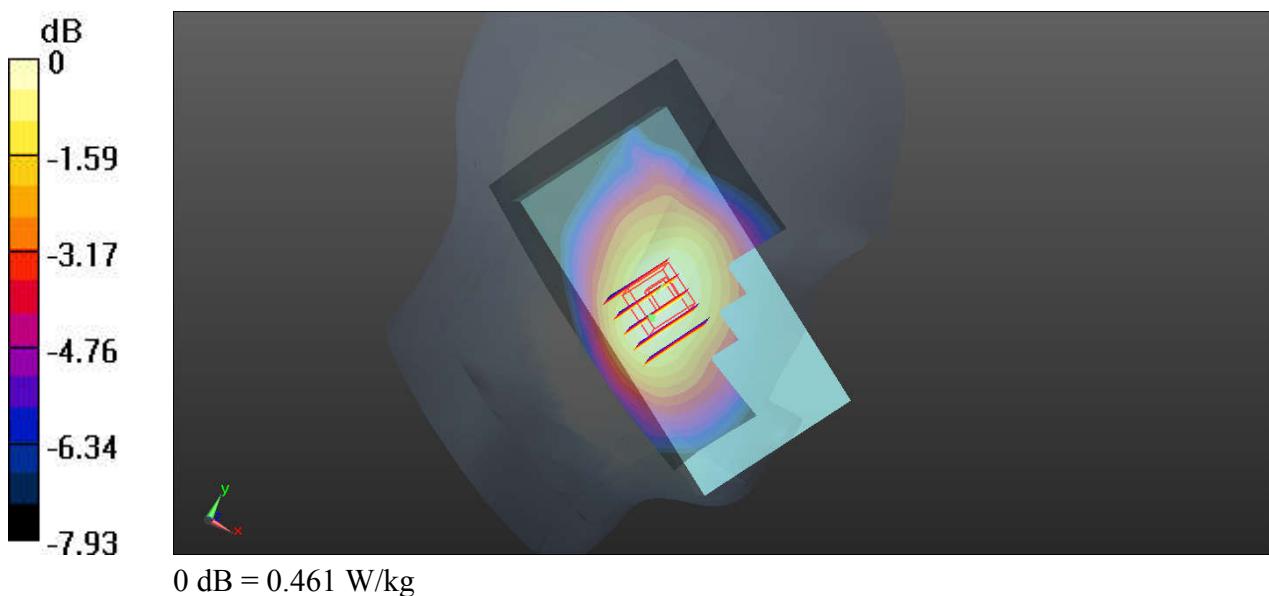
Communication System: UID 0, LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: HSL\_750\_180826 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.909 \text{ S/m}$ ;  $\epsilon_r = 40.08$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(10.06, 10.06, 10.06); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23230/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.461 W/kg

**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 3.089 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.512 W/kg  
**SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.332 W/kg**  
Maximum value of SAR (measured) = 0.475 W/kg



**11\_LTE Band 14\_10M\_QPSK\_1RB\_25Offset\_Left Cheek\_Ch23330**

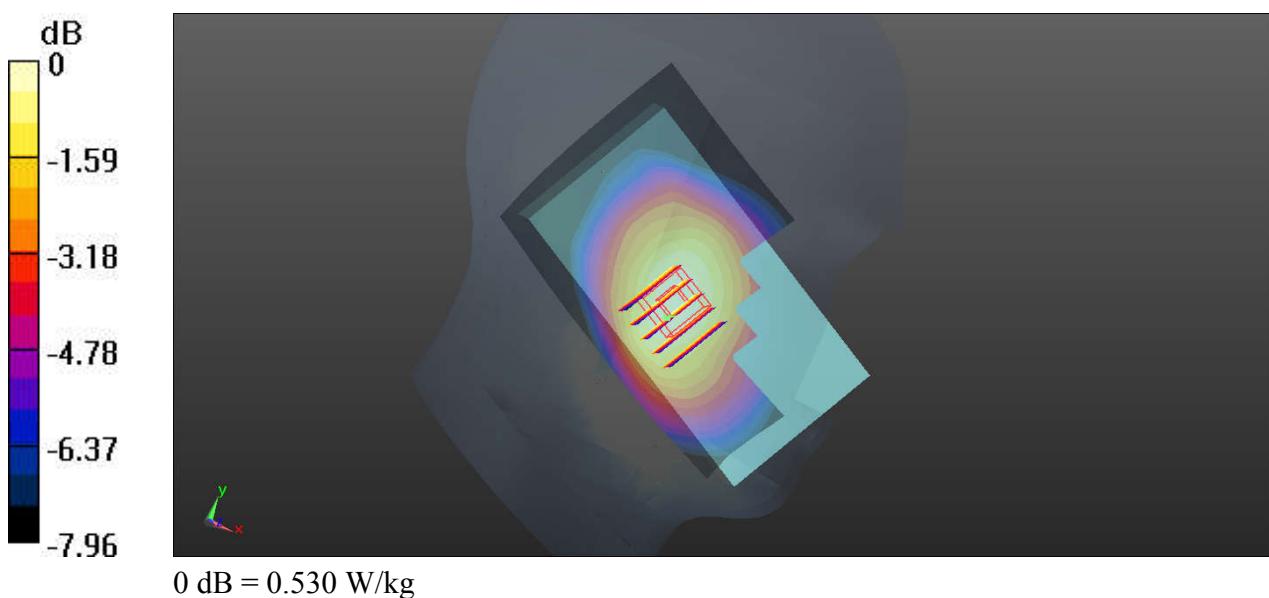
Communication System: UID 0, LTE (0); Frequency: 793 MHz; Duty Cycle: 1:1  
Medium: HSL\_750\_180826 Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 0.931 \text{ S/m}$ ;  $\epsilon_r = 40.219$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(10.06, 10.06, 10.06); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23330/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.530 W/kg

**Ch23330/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.430 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.581 W/kg  
**SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.378 W/kg**  
Maximum value of SAR (measured) = 0.534 W/kg



**12\_LTE Band 26\_15M\_QPSK\_1RB\_0Offset\_Left Cheek\_Ch26865**

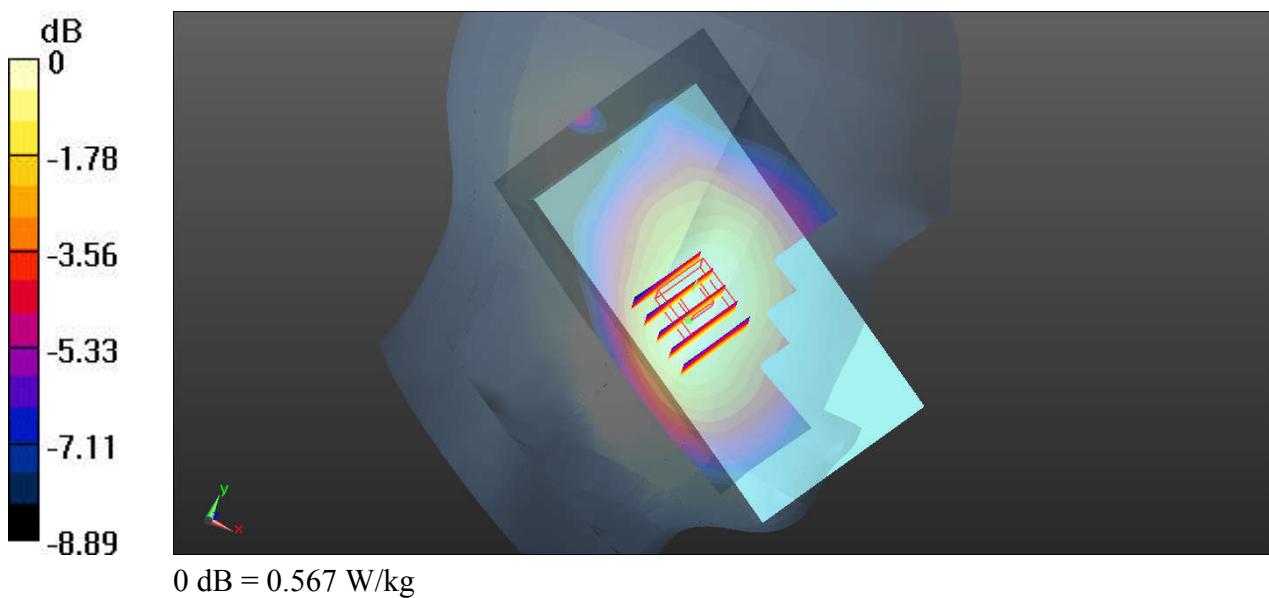
Communication System: UID 0, LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_835\_180826 Medium parameters used:  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.926 \text{ S/m}$ ;  $\epsilon_r = 41.832$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.66, 9.66, 9.66); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch26865/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.567 W/kg

**Ch26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.337 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.625 W/kg  
**SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.395 W/kg**  
Maximum value of SAR (measured) = 0.573 W/kg



## 13\_LTE Band 66\_20M\_QPSK\_1RB\_49Offset\_Right Cheek\_Ch132572

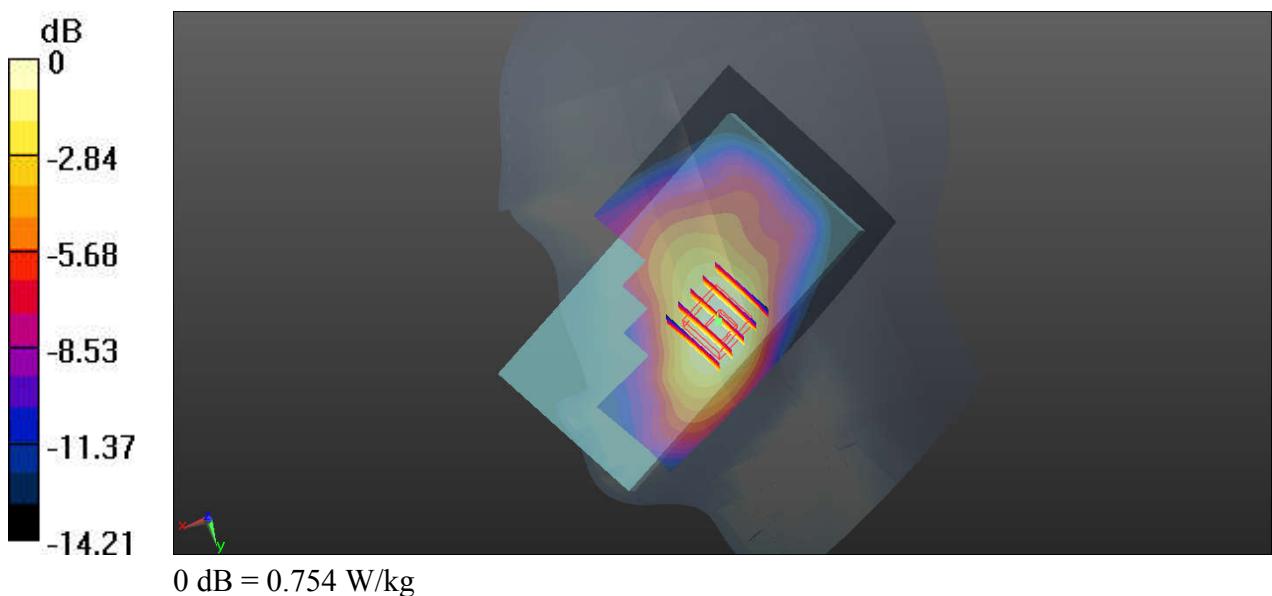
Communication System: UID 0, LTE (0); Frequency: 1770 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750\_180826 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.406$  S/m;  $\epsilon_r = 41.46$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.37, 8.37, 8.37); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch132572/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.754 W/kg

**Ch132572/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 1.597 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 0.865 W/kg  
**SAR(1 g) = 0.610 W/kg; SAR(10 g) = 0.406 W/kg**  
Maximum value of SAR (measured) = 0.732 W/kg



**14\_LTE Band 25\_20M\_QPSK\_1RB\_0Offset\_Right Cheek\_Ch26140**

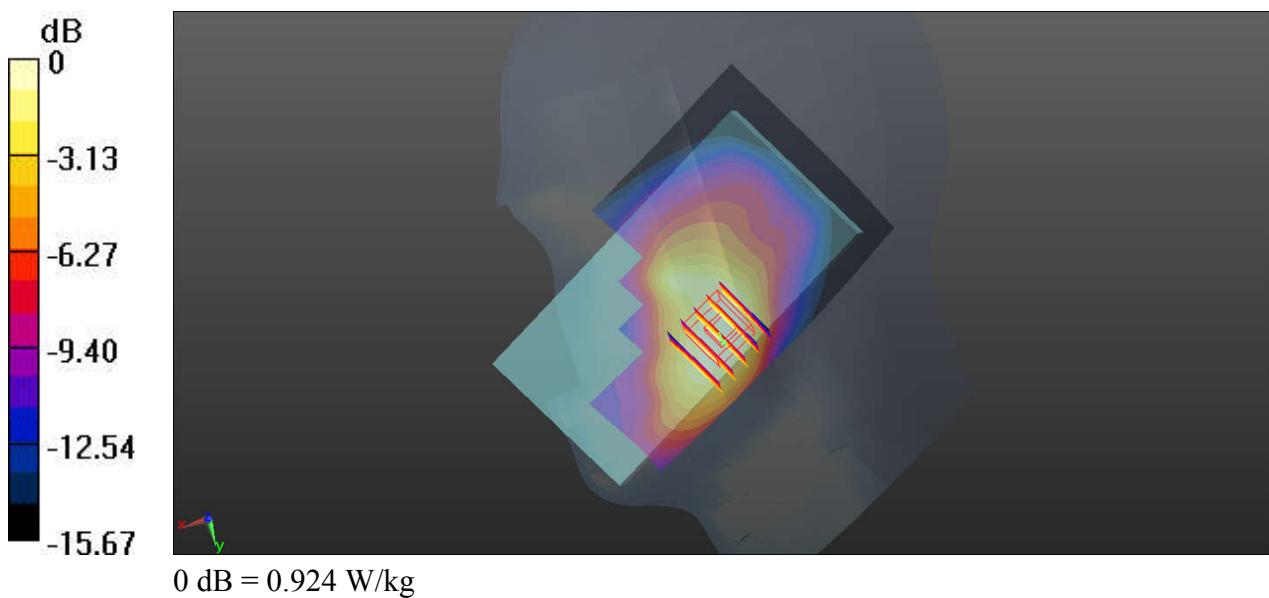
Communication System: UID 0, LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_180826 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.414$  S/m;  $\epsilon_r = 40.253$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.13, 8.13, 8.13); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch26140/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.978 W/kg

**Ch26140/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 1.476 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 1.10 W/kg  
**SAR(1 g) = 0.769 W/kg; SAR(10 g) = 0.503 W/kg**  
Maximum value of SAR (measured) = 0.924 W/kg



**15\_LTE Band 7\_20M\_QPSK\_1RB\_99Offset\_Left Cheek\_Ch21100**

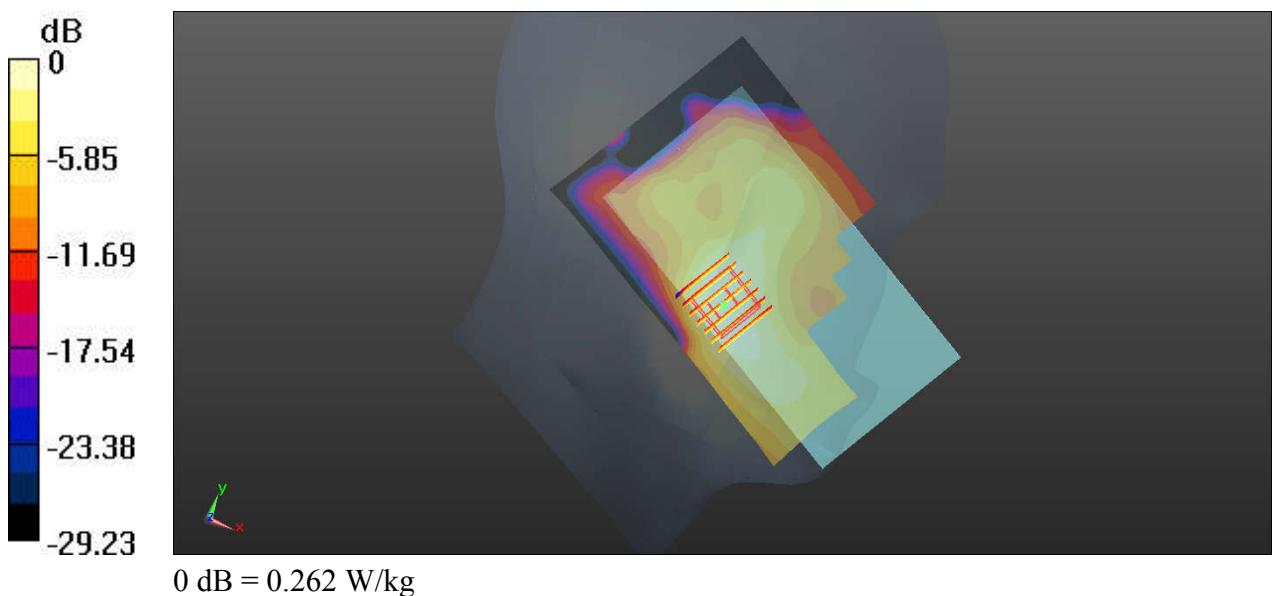
Communication System: UID 0, LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1  
Medium: HSL\_2600\_180828 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.924$  S/m;  $\epsilon_r = 38.58$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.7 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch21100/Area Scan (91x151x1):** Interpolated grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.279 W/kg

**Ch21100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 0 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.340 W/kg  
**SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.104 W/kg**  
Maximum value of SAR (measured) = 0.262 W/kg



**16\_LTE Band 41\_20M\_QPSK\_1RB\_0Offset\_Left Cheek\_Ch40620**

Communication System: UID 0, LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59  
Medium: HSL\_2600\_180828 Medium parameters used:  $f = 2593$  MHz;  $\sigma = 1.973$  S/m;  $\epsilon_r = 38.288$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.7 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch40620/Area Scan (91x151x1):** Interpolated grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.295 W/kg

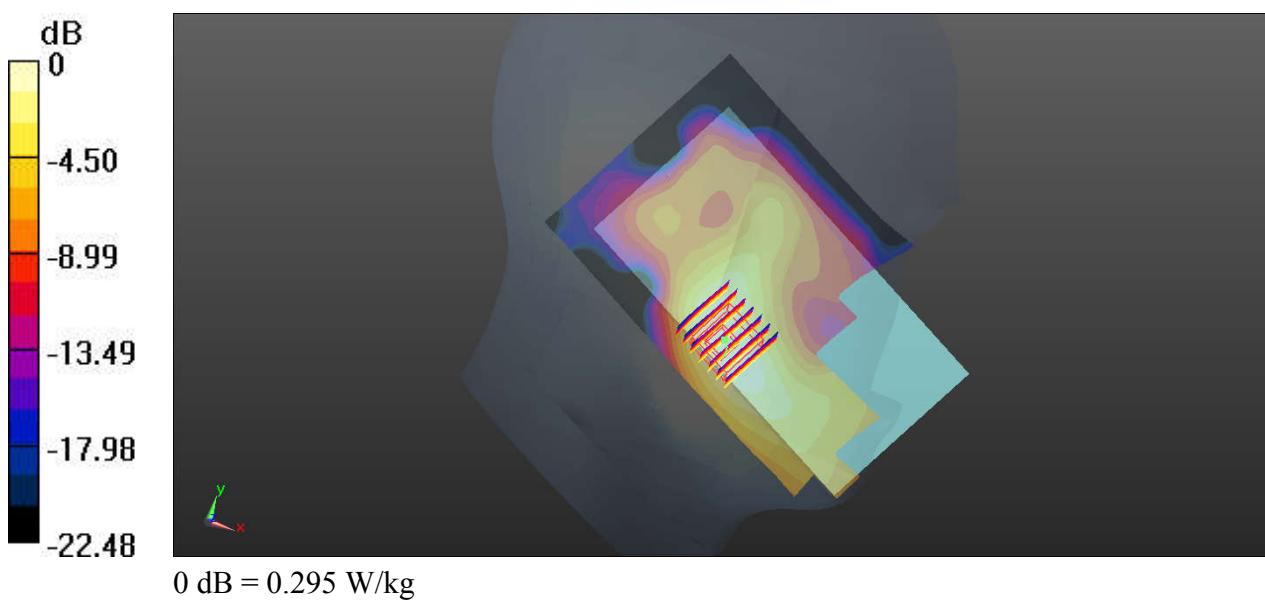
**Ch40620/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.6420 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.400 W/kg

**SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.116 W/kg**

Maximum value of SAR (measured) = 0.300 W/kg



## 17\_WLAN2.4GHz\_802.11b 1Mbps\_Right Cheek\_Ch1

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1.011  
Medium: HSL\_2450\_180828 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.785$  S/m;  $\epsilon_r = 38.102$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

### Ch1/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.515 W/kg

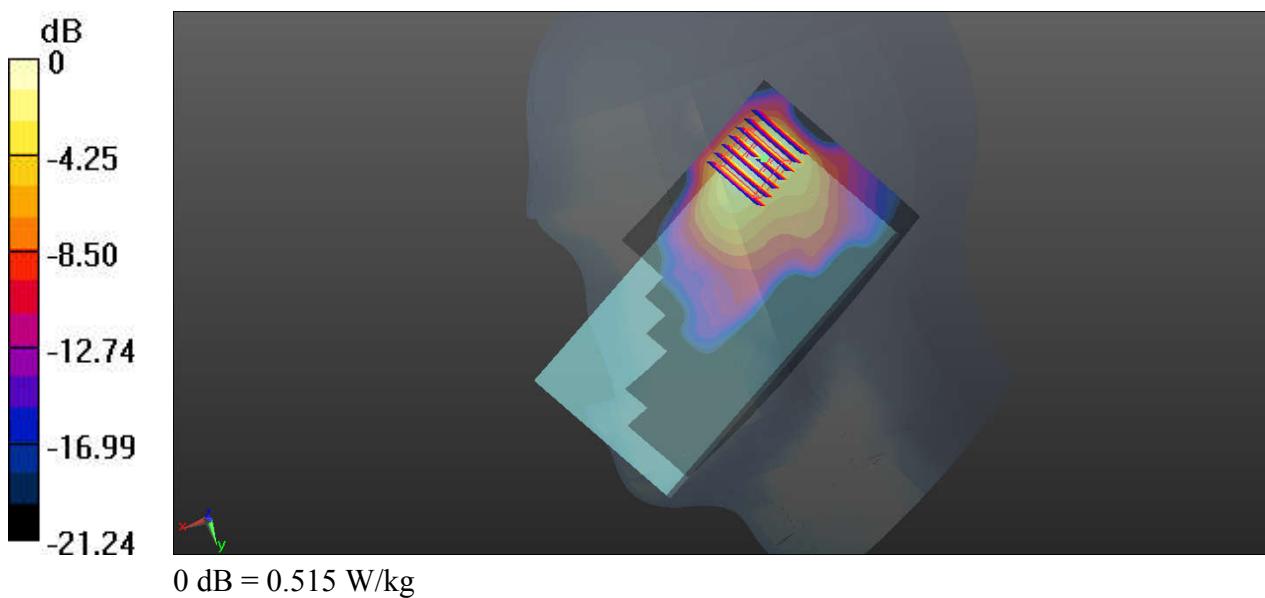
### Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.488 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.710 W/kg

**SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.149 W/kg**

Maximum value of SAR (measured) = 0.490 W/kg



## 18\_WLAN5.3GHz\_802.11a 6Mbps\_Right Cheek\_Ch60

Communication System: UID 0, WIFI (0); Frequency: 5300 MHz; Duty Cycle: 1:1.053  
Medium: HSL\_5250\_180825 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.819$  S/m;  $\epsilon_r = 36.839$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(5.15, 5.15, 5.15); Calibrated: 2018.01.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch60/Area Scan (101x171x1):** Interpolated grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.83 W/kg

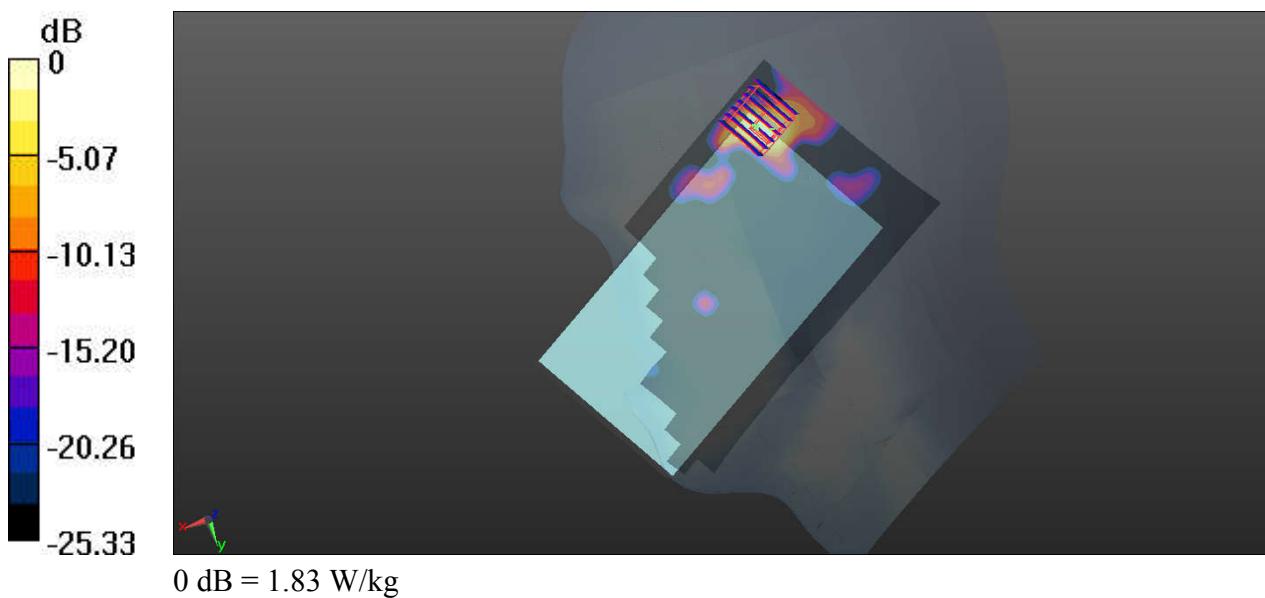
**Ch60/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.410 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.39 W/kg

**SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.162 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg



## 19\_WLAN5.5GHz\_802.11a 6Mbps\_Right Cheek\_Ch100

Communication System: UID 0, WIFI (0); Frequency: 5500 MHz; Duty Cycle: 1:1.053  
Medium: HSL\_5600\_180825 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.075$  S/m;  $\epsilon_r = 36.416$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.78, 4.78, 4.78); Calibrated: 2018.01.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch100/Area Scan (101x171x1):** Interpolated grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.24 W/kg

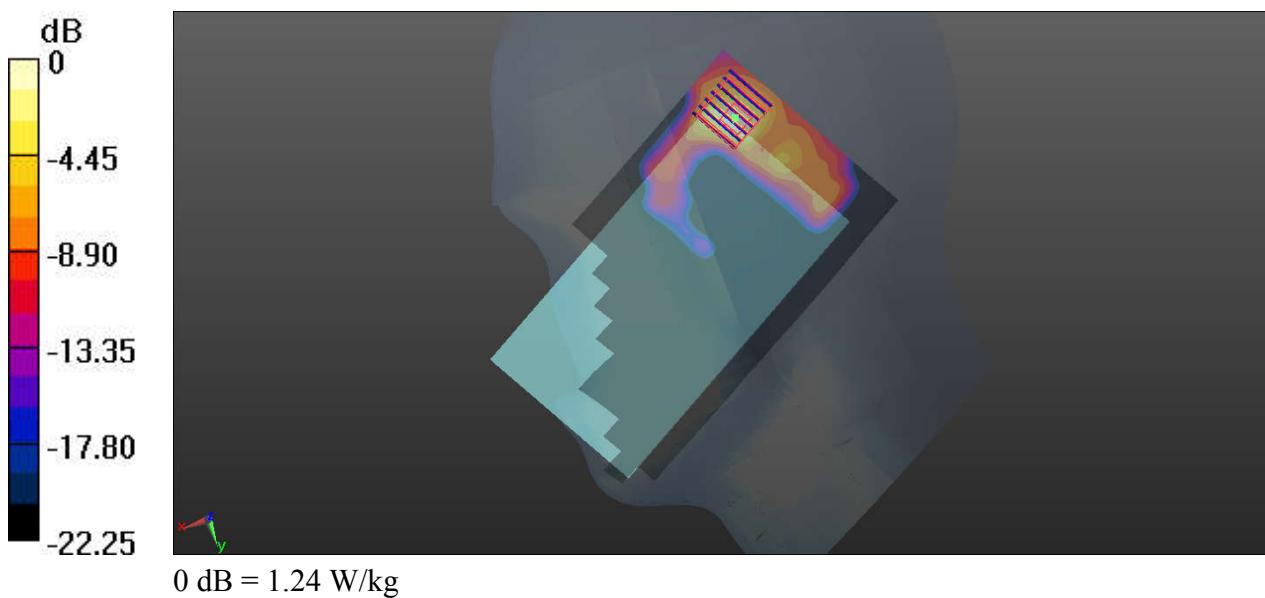
**Ch100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.681 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.24 W/kg

**SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.173 W/kg**

Maximum value of SAR (measured) = 1.35 W/kg



**20\_WLAN5.8GHz\_802.11a 6Mbps\_Left Tilted\_Ch149**

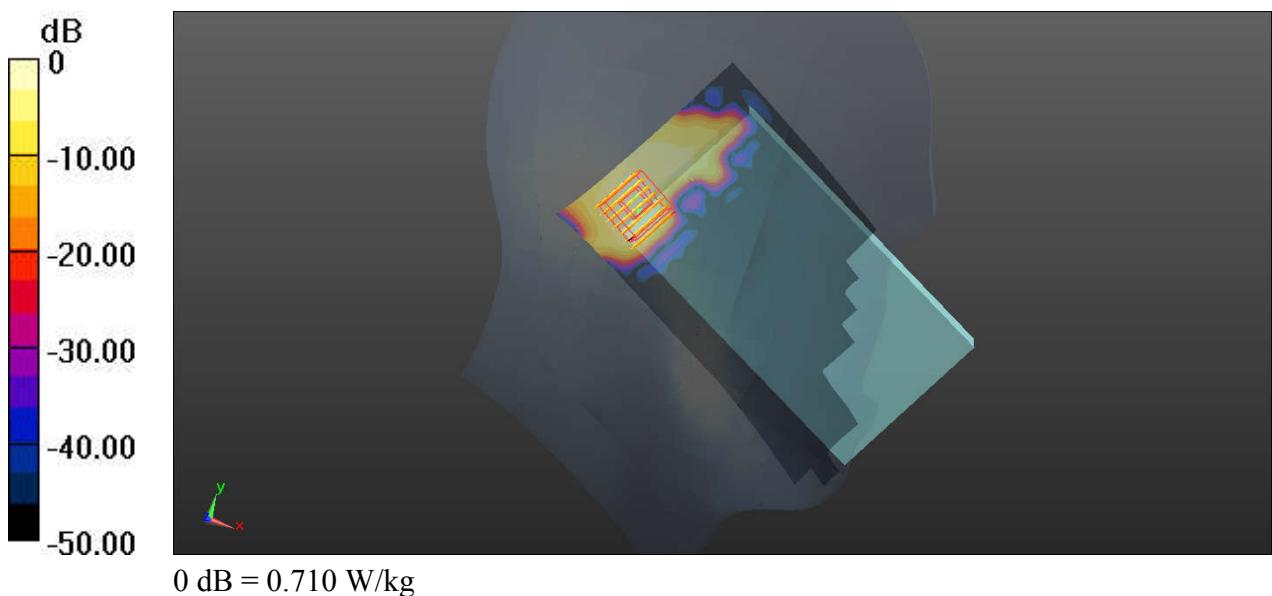
Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1.053  
Medium: HSL\_5750\_180825 Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.164 \text{ S/m}$ ;  $\epsilon_r = 35.837$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.8 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.8, 4.8, 4.8); Calibrated: 2018.01.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch149/Area Scan (101x171x1):** Interpolated grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.710 W/kg

**Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 0 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 0.924 W/kg  
**SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.107 W/kg**  
Maximum value of SAR (measured) = 0.612 W/kg



## 21\_Bluetooth\_DH5\_1Mbps\_Right\_Cheek\_Ch78

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.304  
Medium: HSL\_2450\_180828 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.863$  S/m;  $\epsilon_r = 37.794$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch78/Area Scan (81x151x1):** Interpolated grid: dx=12mm, dy=12mm  
Maximum value of SAR (interpolated) = 0.135 W/kg

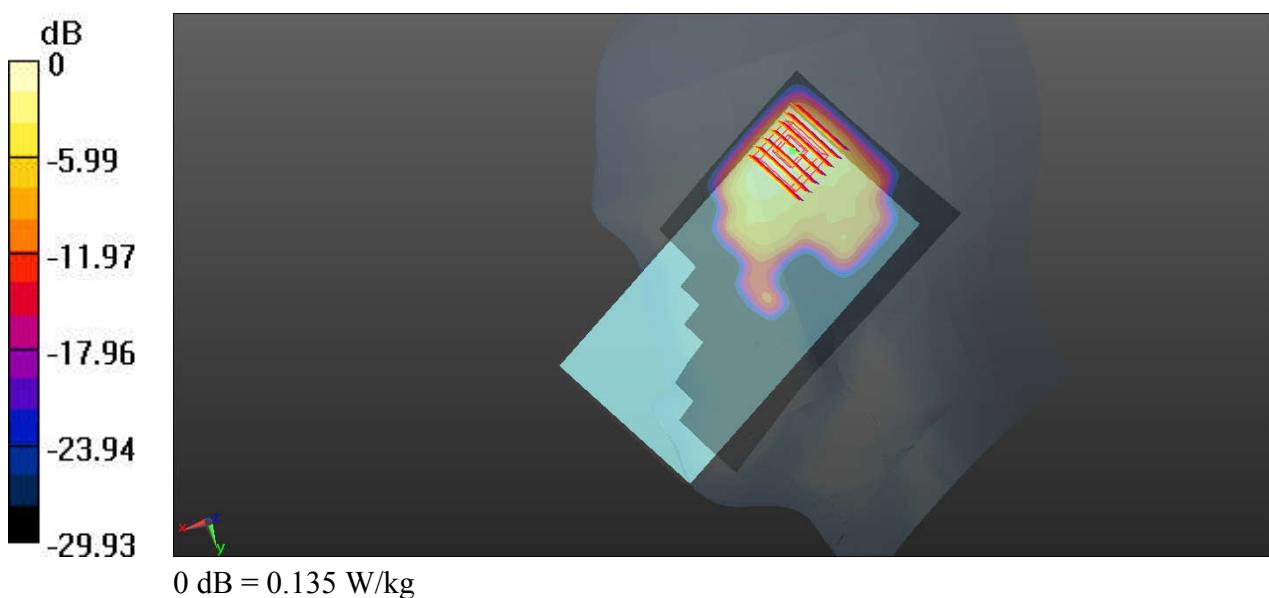
**Ch78/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.303 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.037 W/kg**

Maximum value of SAR (measured) = 0.128 W/kg



## 22\_GSM850\_GPRS(3 Tx slots)\_Front\_10mm\_Ch128

Communication System: UID 0, GPRS/EDGE11 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.77  
Medium: MSL\_835\_180829 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.965 \text{ S/m}$ ;  $\epsilon_r = 54.56$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

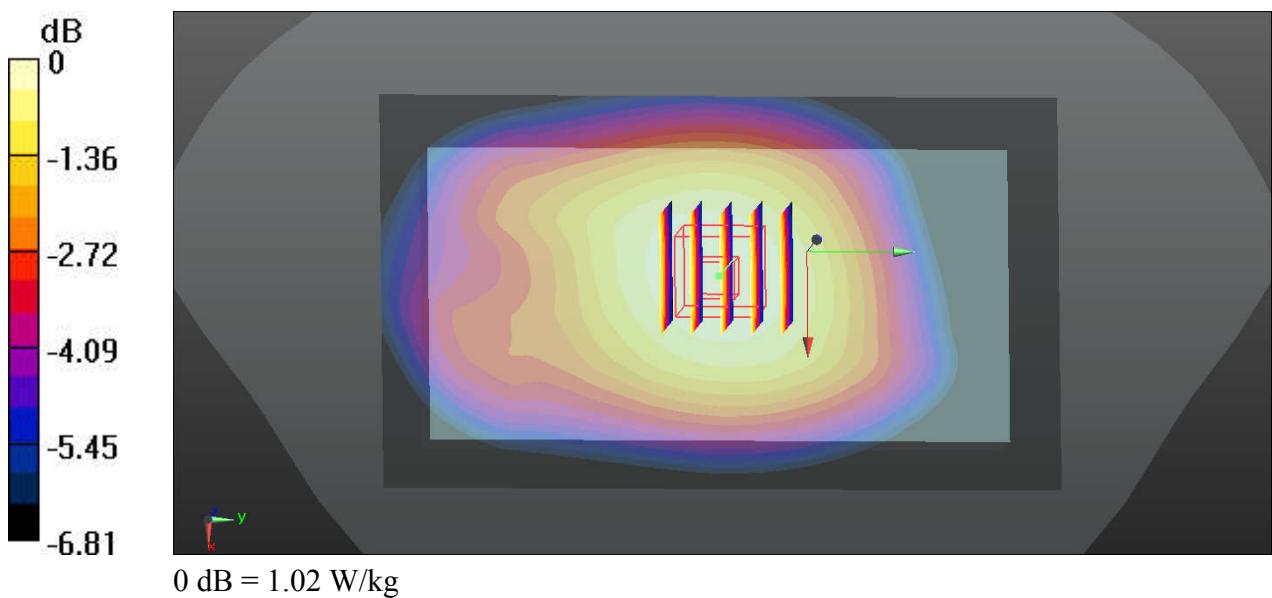
**Ch128/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.02 W/kg

**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.398 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.898 W/kg; SAR(10 g) = 0.708 W/kg**

Maximum value of SAR (measured) = 1.01 W/kg



## 23\_GSM1900\_GPRS(3 Tx slots)s\_Back\_10mm\_Ch661

Communication System: UID 0, GPRS/EDGE11 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium: MSL\_1900\_180901 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  S/m;  $\epsilon_r = 52.589$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.69, 7.69, 7.69); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

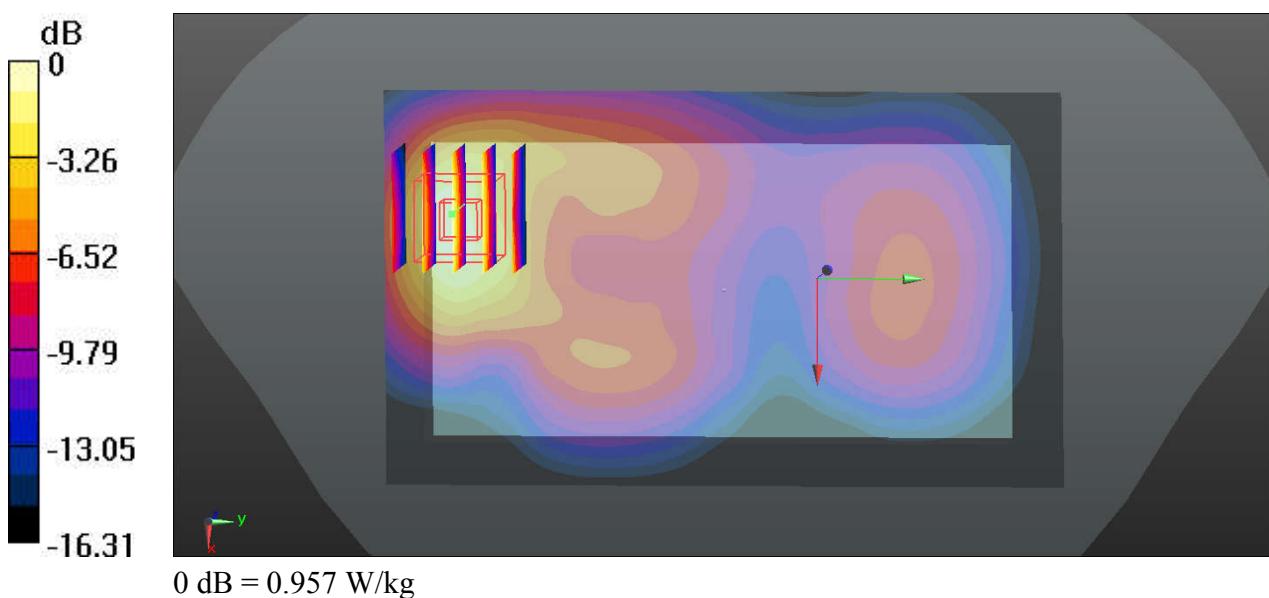
**Ch661/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.957 W/kg

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.033 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.416 W/kg**

Maximum value of SAR (measured) = 1.03 W/kg



**24\_WCDMA Band V\_RMC 12.2Kbps\_Back\_10mm\_Ch4132**

Communication System: UID 0, UMTS (0); Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_835\_180829 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 54.537$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.4 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4132/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.634 W/kg

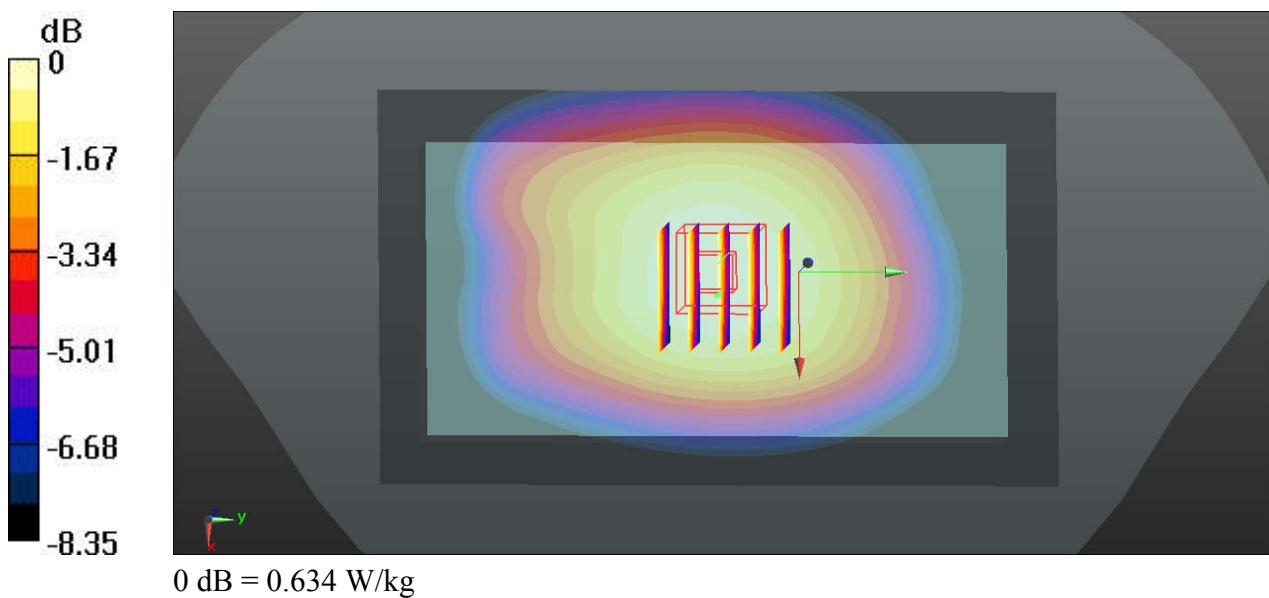
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.340 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.694 W/kg

**SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.429 W/kg**

Maximum value of SAR (measured) = 0.633 W/kg



**25\_WCDMA Band IV\_RMC 12.2Kbps\_Back\_10mm\_Ch1513**

Communication System: UID 0, UMTS (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750\_180901 Medium parameters used:  $f = 1752.6$  MHz;  $\sigma = 1.518$  S/m;  $\epsilon_r = 55.243$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.93, 7.93, 7.93); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

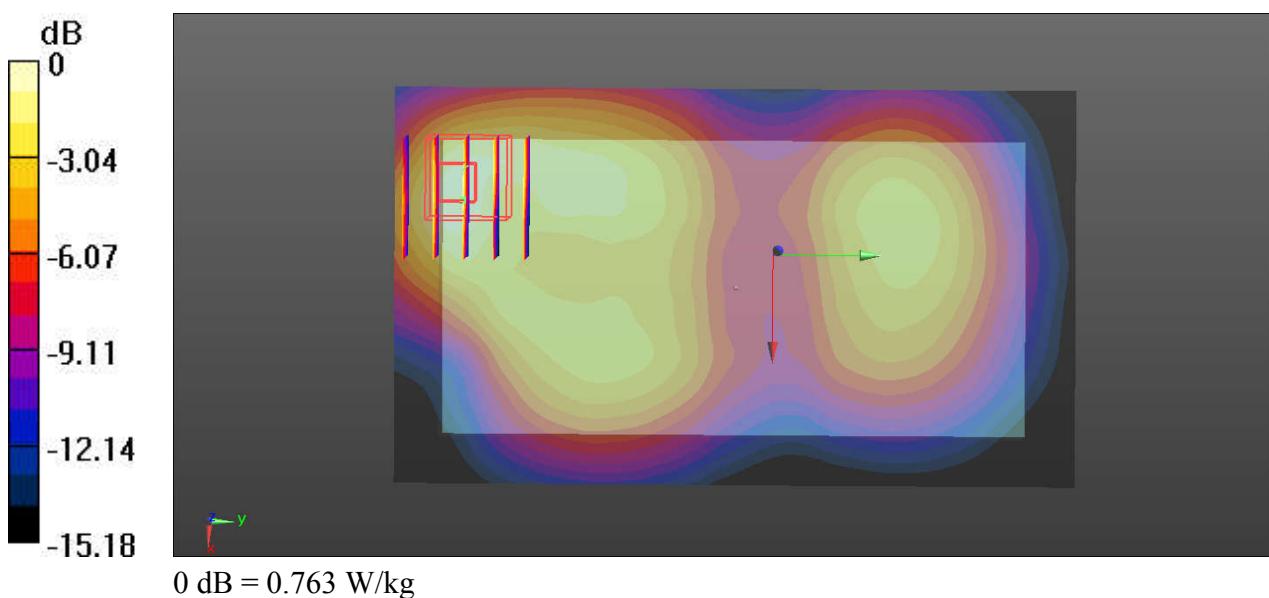
**Ch1513/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.812 W/kg

**Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.440 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.959 W/kg

**SAR(1 g) = 0.581 W/kg; SAR(10 g) = 0.330 W/kg**

Maximum value of SAR (measured) = 0.763 W/kg



## 26\_WCDMA Band II\_RMC 12.2Kbps\_Back\_10mm\_Ch9538

Communication System: UID 0, UMTS (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_180901 Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.552$  S/m;  $\epsilon_r = 52.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.6 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.69, 7.69, 7.69); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

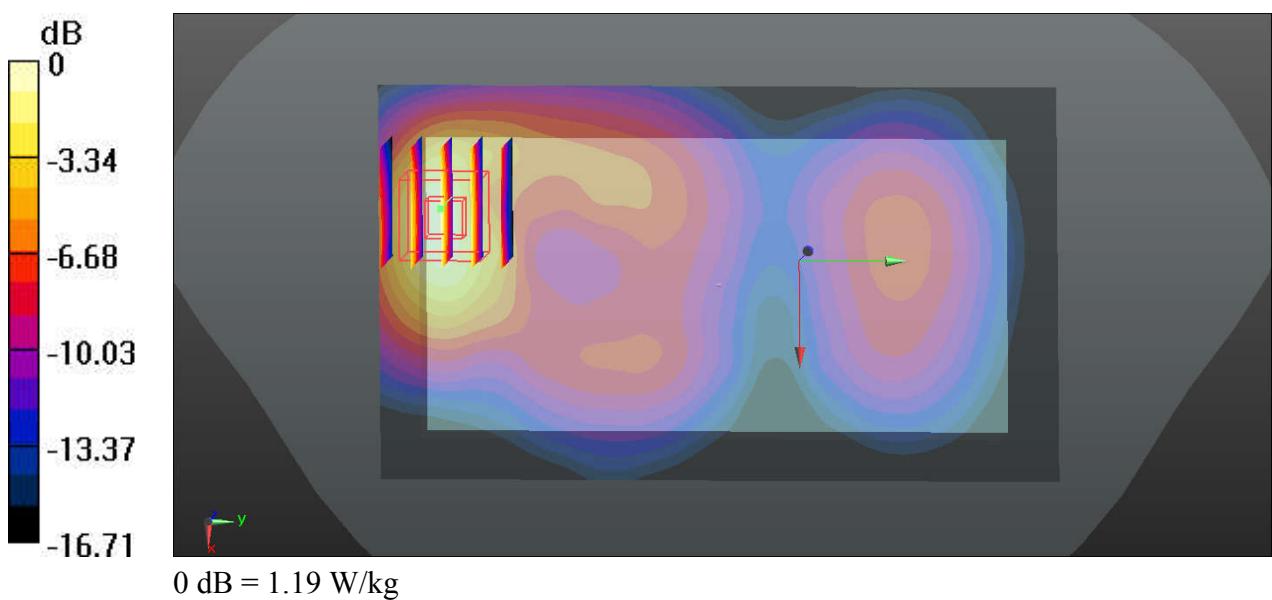
**Ch9538/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.19 W/kg

**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.398 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.925 W/kg; SAR(10 g) = 0.496 W/kg**

Maximum value of SAR (measured) = 1.25 W/kg



**27\_CDMA2000 BC10\_RTAP 153.6Kbps\_Back\_10mm\_Ch684**

Communication System: UID 0, CDMA2000 (0); Frequency: 823.1 MHz; Duty Cycle: 1:1  
Medium: MSL\_835\_180829 Medium parameters used:  $f = 823.1$  MHz;  $\sigma = 0.963$  S/m;  $\epsilon_r = 54.576$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

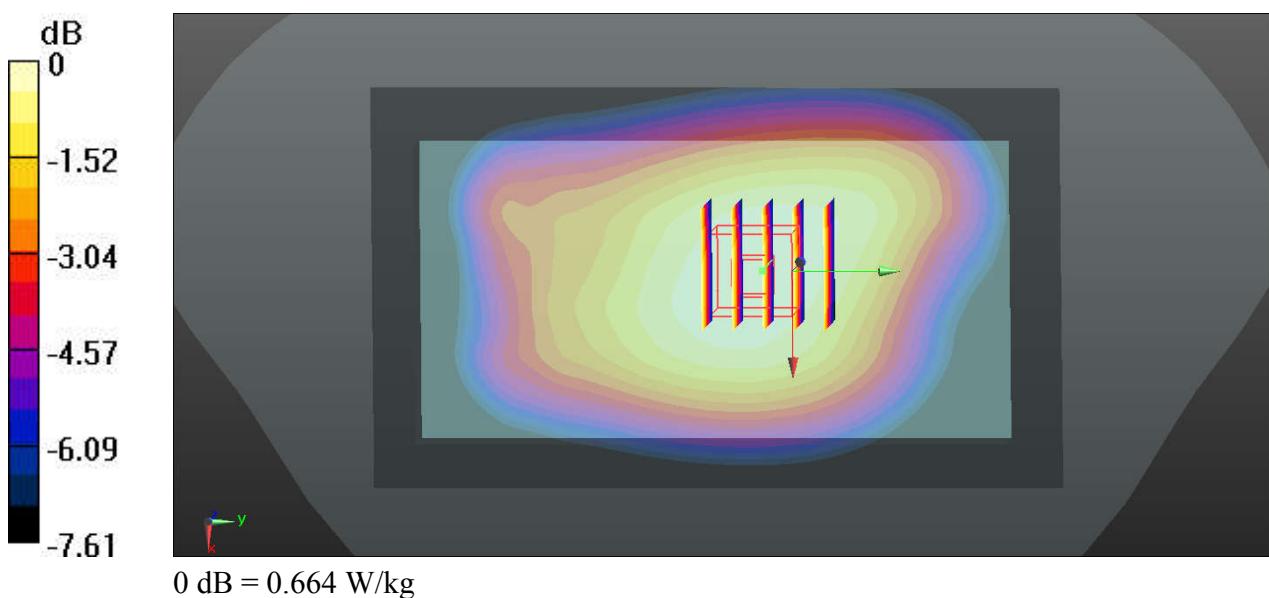
**Ch684/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.664 W/kg

**Ch684/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.345 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.724 W/kg

**SAR(1 g) = 0.581 W/kg; SAR(10 g) = 0.450 W/kg**

Maximum value of SAR (measured) = 0.663 W/kg



**28\_CDMA2000 BC0\_RTAP 153.6Kbps\_Front\_10mm\_Ch384**

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium: MSL\_835\_180829 Medium parameters used:  $f = 836.52$  MHz;  $\sigma = 0.979$  S/m;  $\epsilon_r = 54.423$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

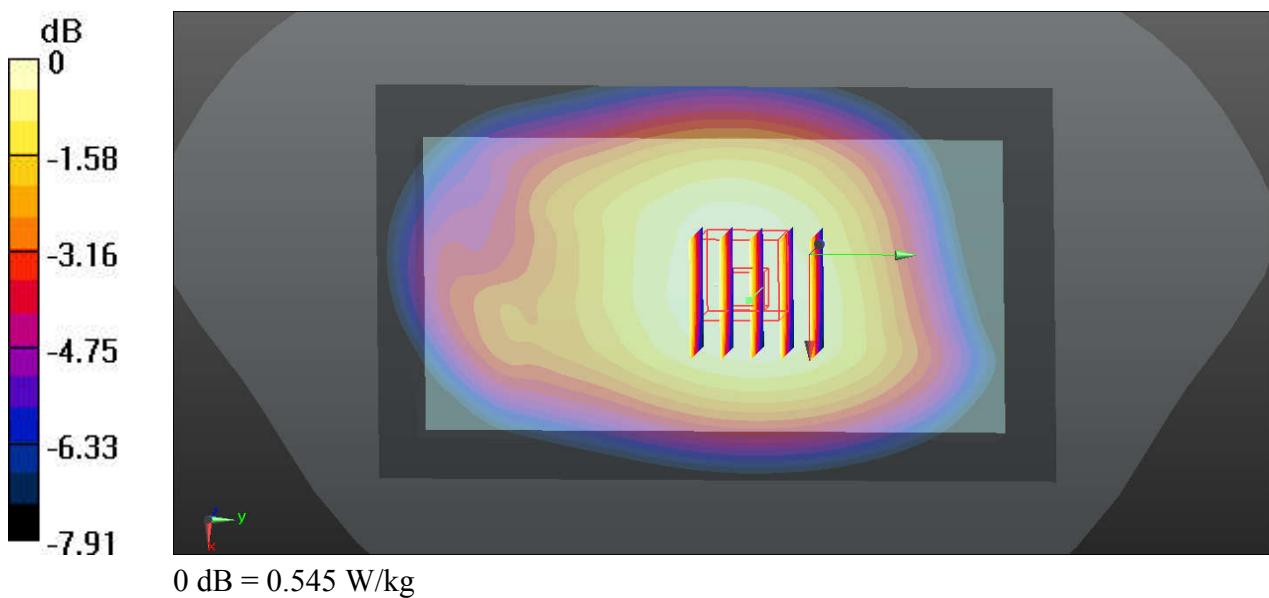
**Ch384/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.545 W/kg

**Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.548 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.595 W/kg

**SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.368 W/kg**

Maximum value of SAR (measured) = 0.543 W/kg



## 29\_CDMA2000 BC1\_RTAP 153.6Kbps\_Back\_10mm\_Ch1175

Communication System: UID 0, CDMA2000 (0); Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_180901 Medium parameters used:  $f = 1908.75$  MHz;  $\sigma = 1.553$  S/m;  $\epsilon_r = 52.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.69, 7.69, 7.69); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

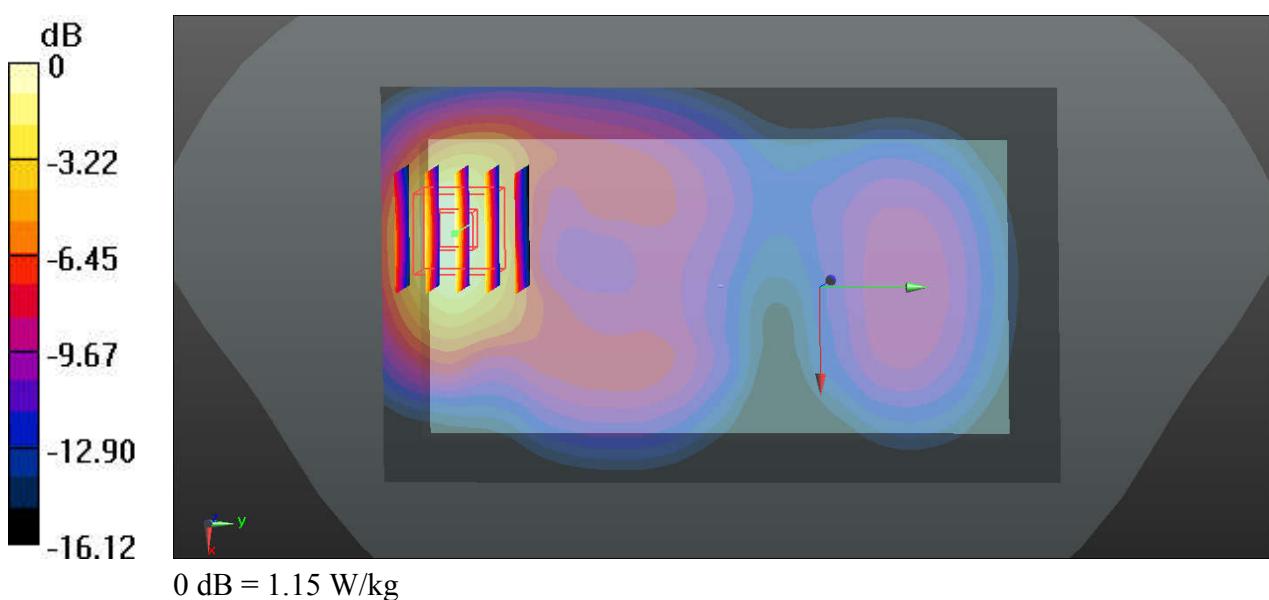
**Ch1175/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.15 W/kg

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.887 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.917 W/kg; SAR(10 g) = 0.496 W/kg**

Maximum value of SAR (measured) = 1.24 W/kg



**30\_LTE Band 12\_10M\_QPSK\_1RB\_49Offset\_Back\_10mm\_Ch23095**

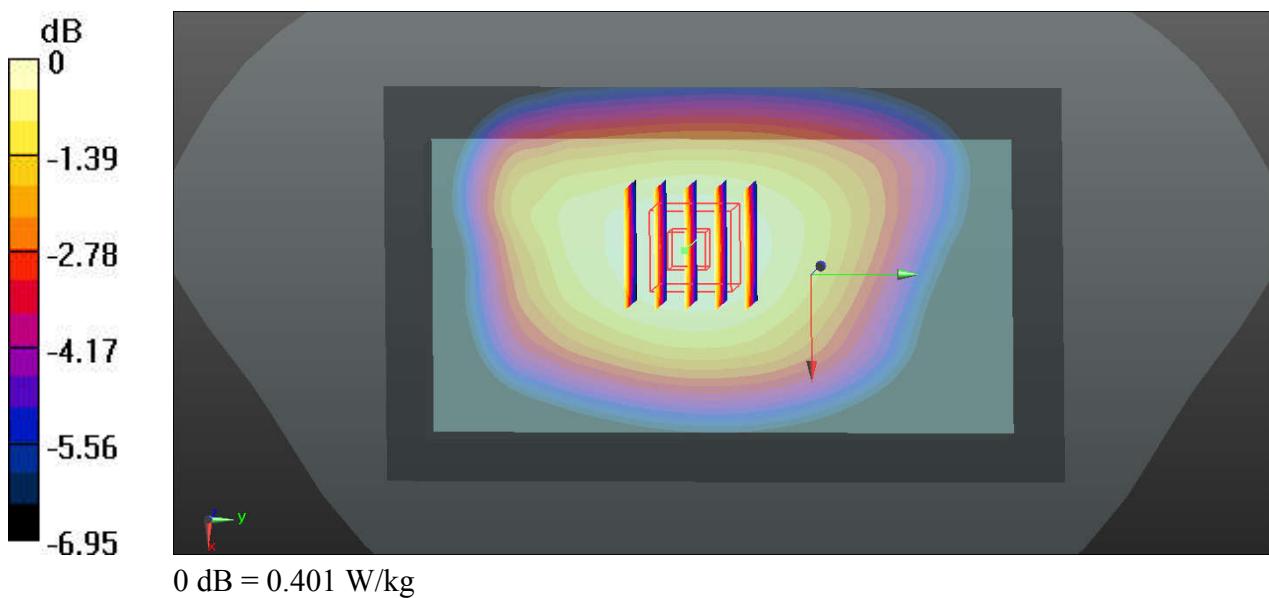
Communication System: UID 0, LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_180829 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.941$  S/m;  $\epsilon_r = 55.606$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.7, 9.7, 9.7); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23095/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.401 W/kg

**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.683 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.431 W/kg  
**SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.280 W/kg**  
Maximum value of SAR (measured) = 0.400 W/kg



**31\_LTE Band 13\_10M\_QPSK\_1RB\_Offset\_Back\_10mm\_Ch23230**

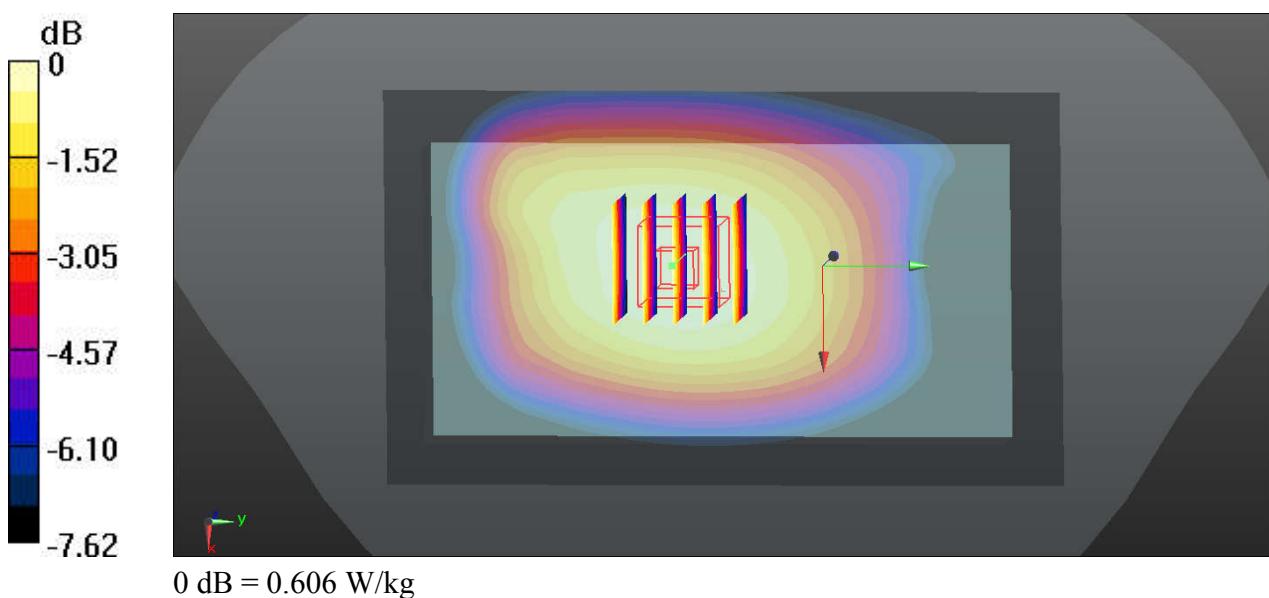
Communication System: UID 0, LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_180829 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.996 \text{ S/m}$ ;  $\epsilon_r = 53.964$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.7, 9.7, 9.7); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23230/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.606 W/kg

**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 3.734 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 0.657 W/kg  
**SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.413 W/kg**  
Maximum value of SAR (measured) = 0.603 W/kg



**32\_LTE Band 14\_10M\_QPSK\_1RB\_25Offset\_Back\_10mm\_Ch23330**

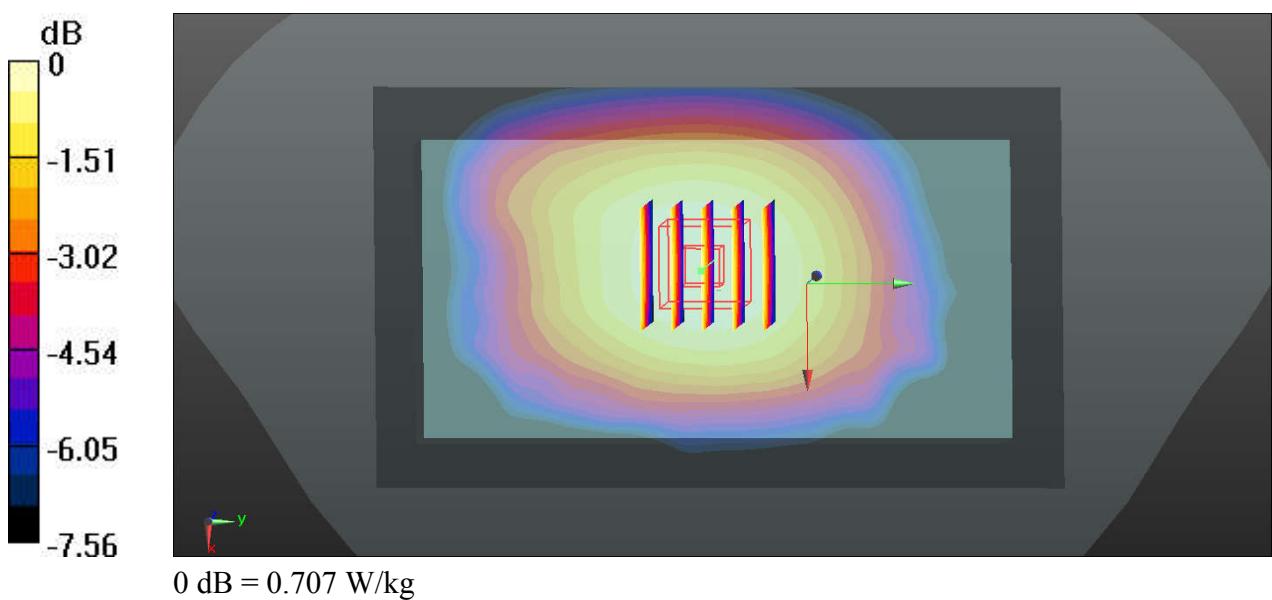
Communication System: UID 0, LTE (0); Frequency: 793 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_180829 Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 1.01 \text{ S/m}$ ;  $\epsilon_r = 53.769$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.7, 9.7, 9.7); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23330/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.707 W/kg

**Ch23330/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 3.602 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.769 W/kg  
**SAR(1 g) = 0.622 W/kg; SAR(10 g) = 0.483 W/kg**  
Maximum value of SAR (measured) = 0.707 W/kg



**33\_LTE Band 26\_15M\_QPSK\_1RB\_0Offset\_Back\_10mm\_Ch26865**

Communication System: UID 0, LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_835\_180829 Medium parameters used:  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.973 \text{ S/m}$ ;  $\epsilon_r = 54.48$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.4 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.01.31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1437; Calibrated: 2017.09.15
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch26865/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.518 W/kg

**Ch26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.805 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.569 W/kg  
**SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.350 W/kg**  
Maximum value of SAR (measured) = 0.517 W/kg

