

## #01\_GSM850\_GPRS (4 Tx slots)\_Left Cheek\_Ch128

Communication System: GSM850; Frequency: 824.2 MHz; Duty Cycle: 1:2.08  
Medium: HSL\_850\_170808 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.899$  S/m;  $\epsilon_r = 42.401$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(10.35, 10.35, 10.35); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.493 W/kg

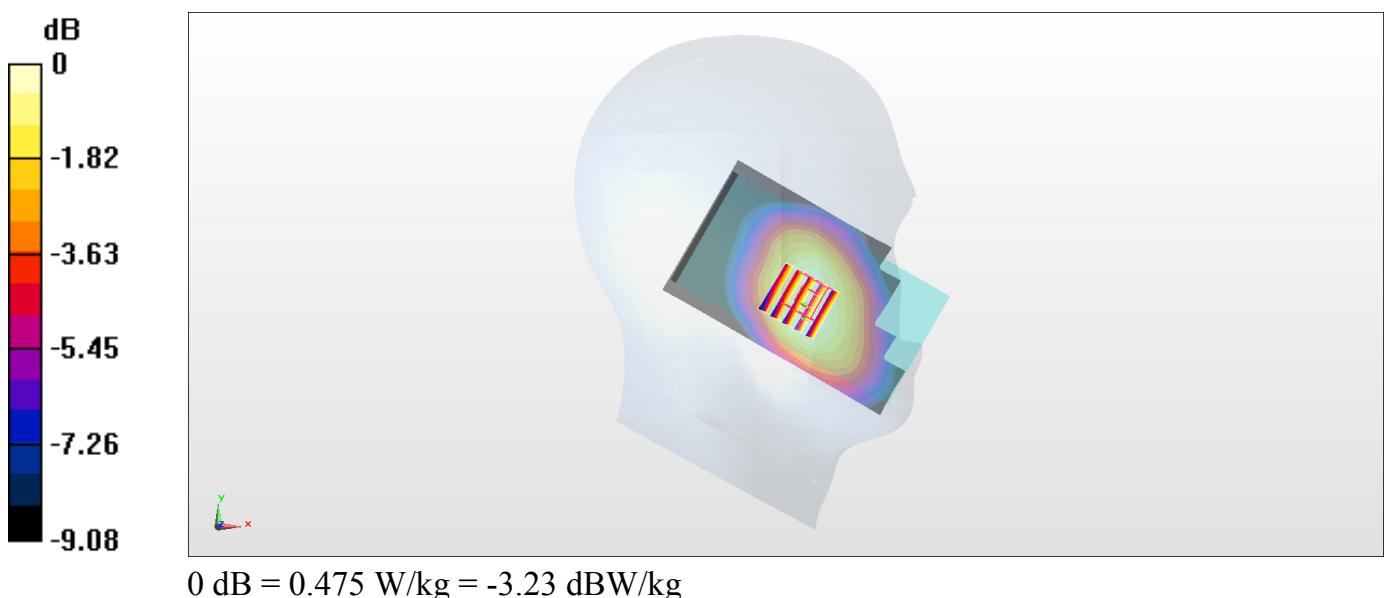
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.77 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.520 W/kg

**SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.312 W/kg**

Maximum value of SAR (measured) = 0.475 W/kg



## #02\_GSM1900\_GPRS (3 Tx slots)\_Left Cheek\_Ch810

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77

Medium: HSL\_1900\_170807 Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.469 \text{ S/m}$ ;  $\epsilon_r = 40.203$ ;  $\rho = 1000 \text{ kg/m}^3$

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(8.42, 8.42, 8.42); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (61x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.496 W/kg

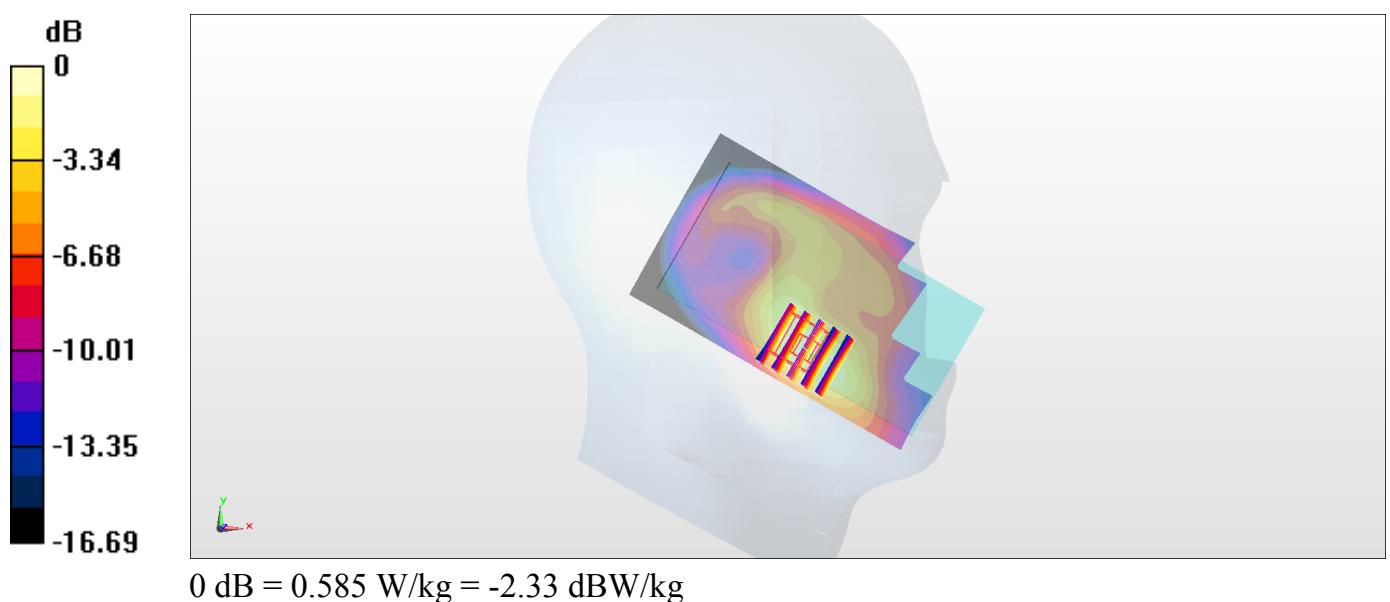
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 15.49 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.686 W/kg

**SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.240 W/kg**

Maximum value of SAR (measured) = 0.585 W/kg



## #03\_WCDMA II\_RMC 12.2Kbps\_Left Cheek\_Ch9538

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium: HSL\_1900\_170807 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.467 \text{ S/m}$ ;  $\epsilon_r = 40.209$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(8.42, 8.42, 8.42); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.596 W/kg

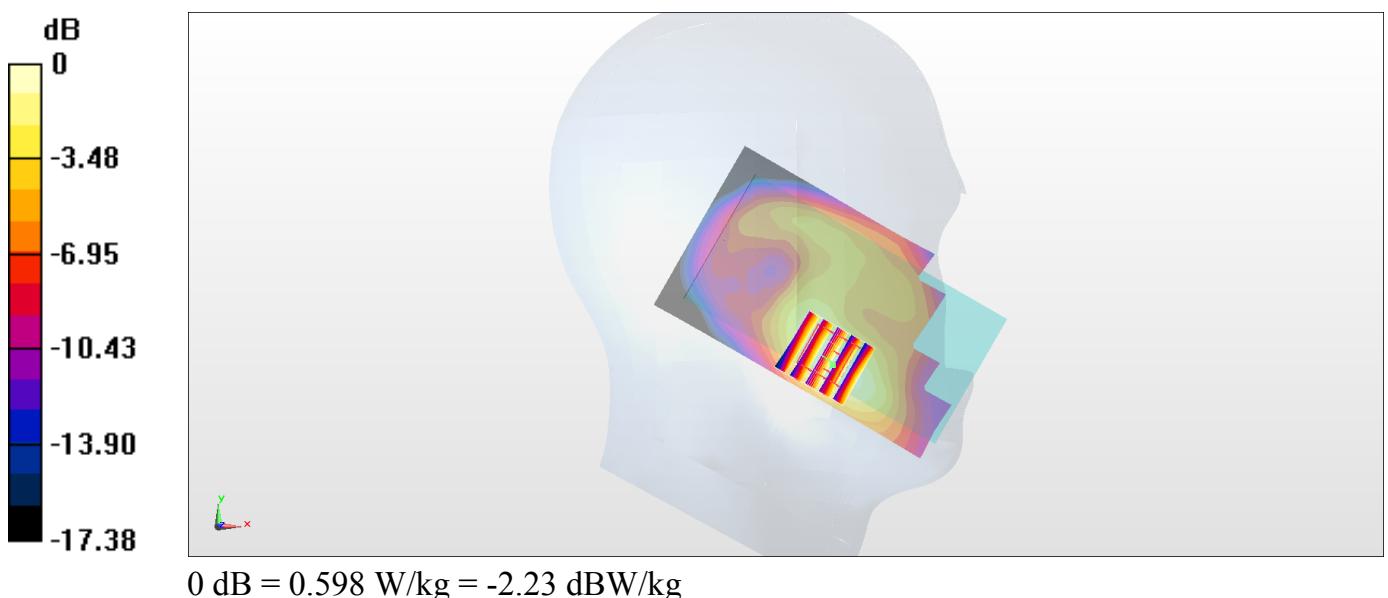
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.10 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.699 W/kg

**SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.250 W/kg**

Maximum value of SAR (measured) = 0.598 W/kg



## #04\_WCDMA IV\_RMC 12.2Kbps\_Left Cheek\_Ch1513

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750\_170807 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 40.922$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(8.68, 8.68, 8.68); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.630 W/kg

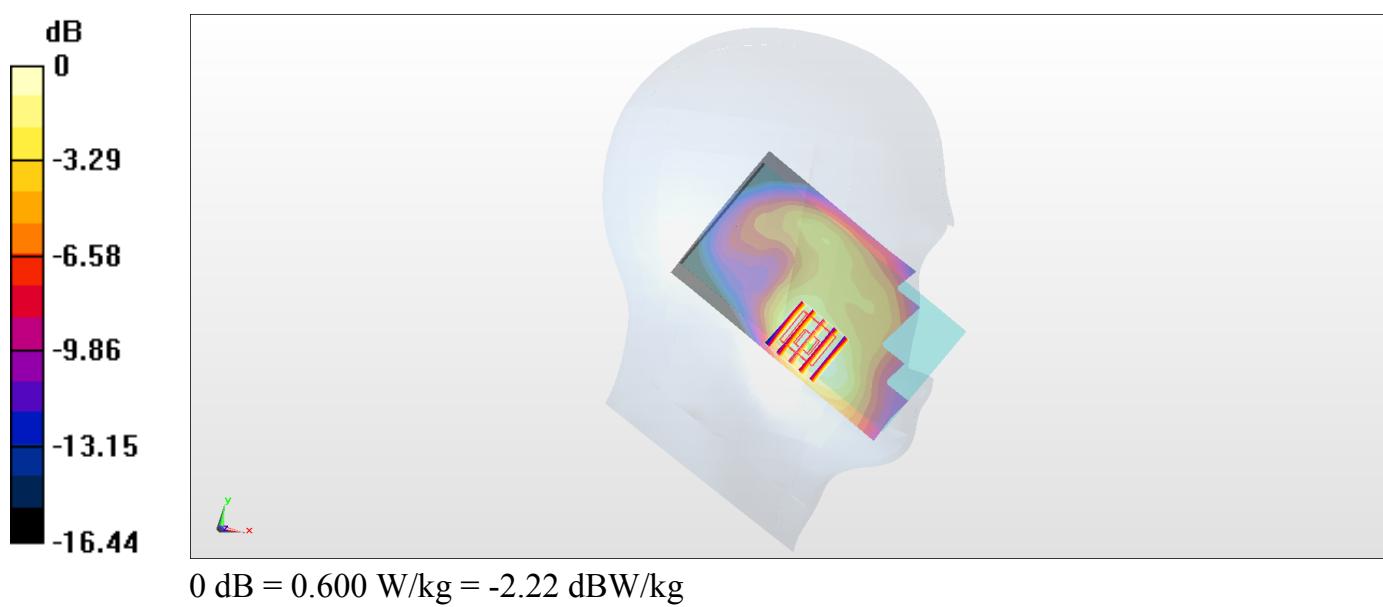
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.48 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.683 W/kg

**SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.291 W/kg**

Maximum value of SAR (measured) = 0.600 W/kg



## #05\_WCDMA V\_RMC 12.2Kbps\_Left Cheek\_Ch4233

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL\_850\_170808 Medium parameters used:  $f = 847 \text{ MHz}$ ;  $\sigma = 0.921 \text{ S/m}$ ;  $\epsilon_r = 42.087$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(10.35, 10.35, 10.35); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (61x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.408 W/kg

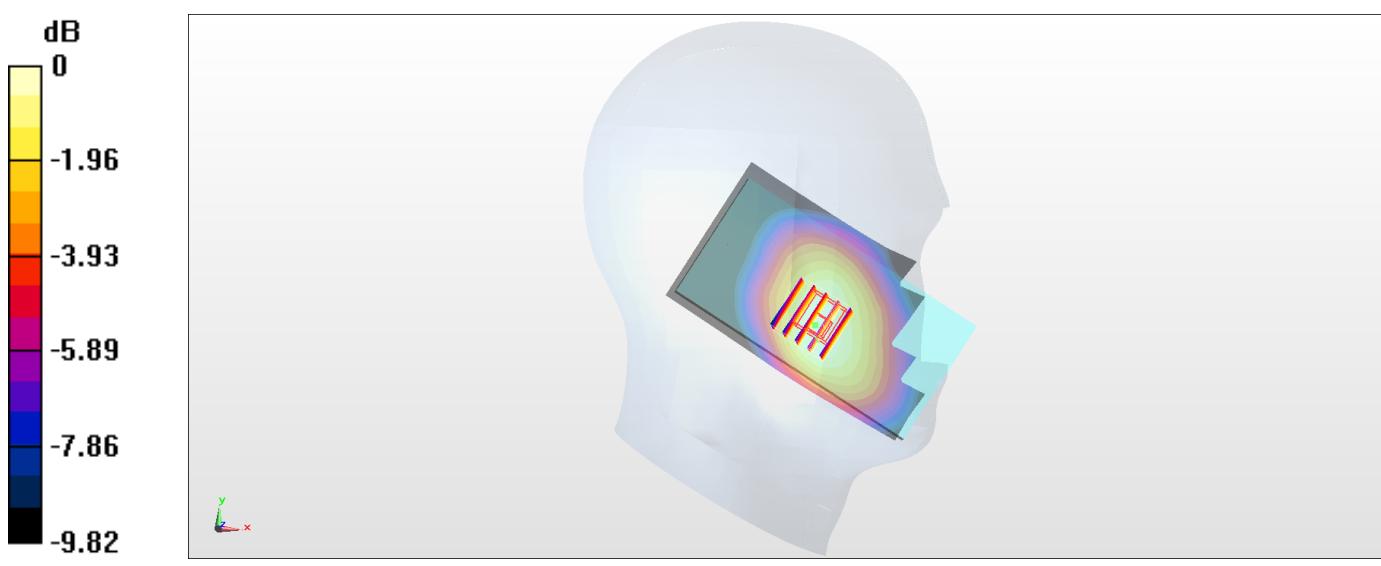
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.63 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.438 W/kg

**SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.247 W/kg**

Maximum value of SAR (measured) = 0.394 W/kg



**#06\_LTE Band 2\_20M\_QPSK\_1\_0\_Left Cheek\_Ch18700**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_170807 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.421$  S/m;  $\epsilon_r = 40.419$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(8.42, 8.42, 8.42); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.506 W/kg

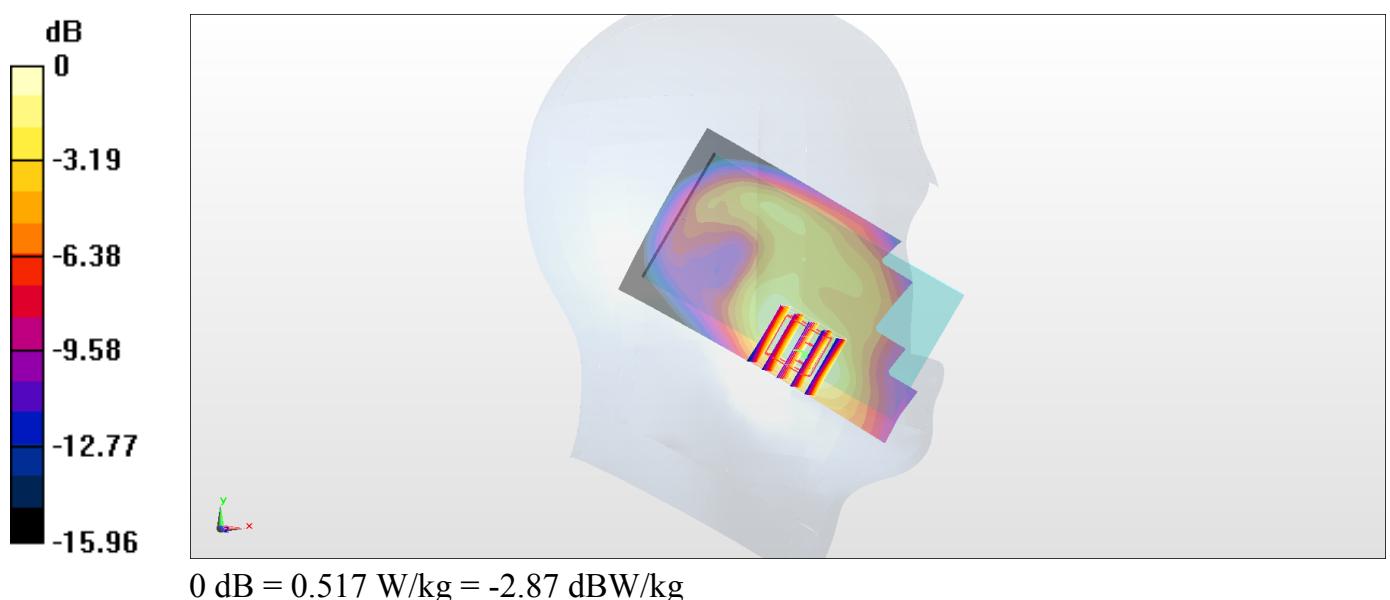
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.86 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.595 W/kg

**SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.221 W/kg**

Maximum value of SAR (measured) = 0.517 W/kg



## #07\_LTE Band 4\_20M\_QPSK\_1\_0\_Left Cheek\_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750\_170807 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 40.988$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(8.68, 8.68, 8.68); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.524 W/kg

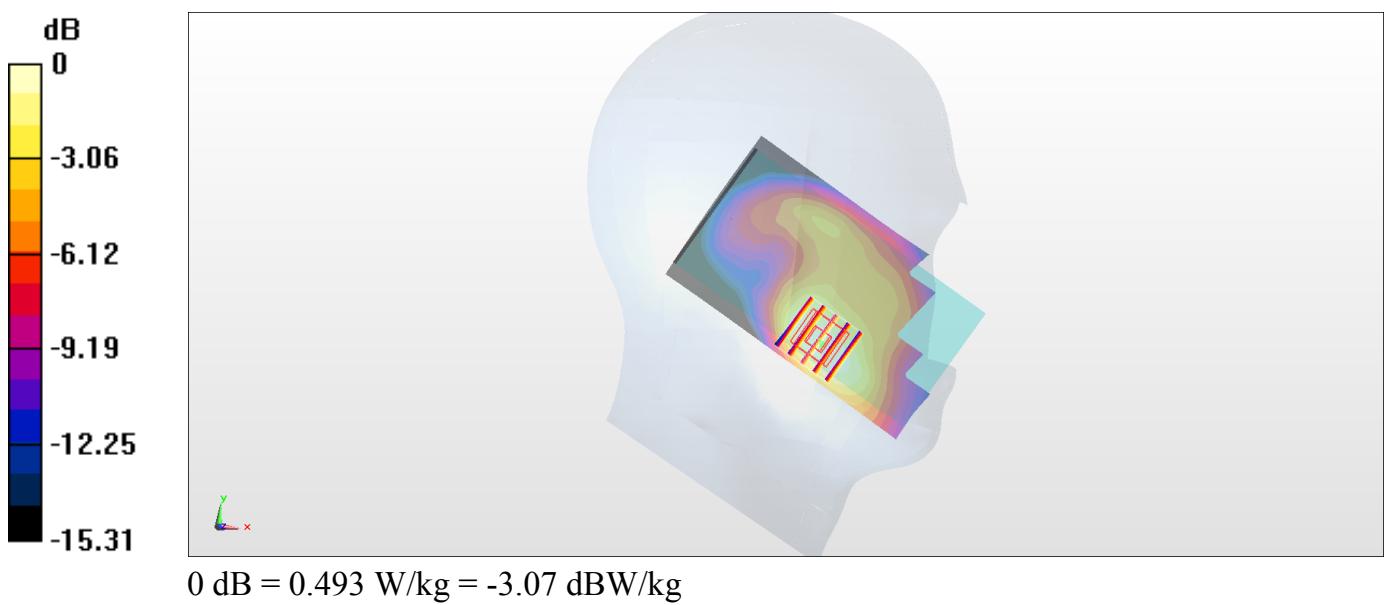
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.73 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.563 W/kg

**SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.242 W/kg**

Maximum value of SAR (measured) = 0.493 W/kg



**#08\_LTE Band 5\_10M\_QPSK\_1\_0\_Left Cheek\_Ch20525**

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

Medium: HSL\_850\_170808 Medium parameters used:  $f = 836.5 \text{ MHz}$ ;  $\sigma = 0.91 \text{ S/m}$ ;  $\epsilon_r = 42.23$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(10.35, 10.35, 10.35); Calibrated: 2016/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2016/9/28
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (61x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.363 W/kg

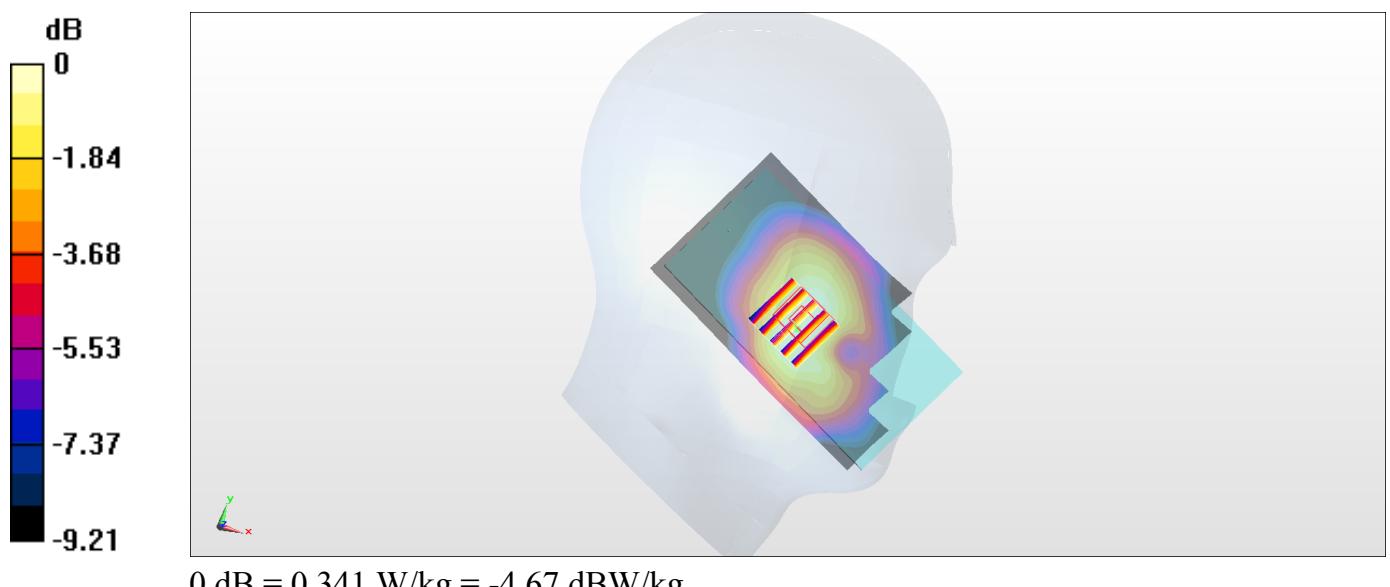
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.92 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.368 W/kg

**SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.223 W/kg**

Maximum value of SAR (measured) = 0.341 W/kg



**#09\_LTE Band 7\_20M\_QPSK\_1\_0\_Right Cheek\_Ch20850**

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

Medium: HSL\_2600\_170804 Medium parameters used:  $f = 2510 \text{ MHz}$ ;  $\sigma = 1.868 \text{ S/m}$ ;  $\epsilon_r = 38.443$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.37, 4.37, 4.37); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.819 W/kg

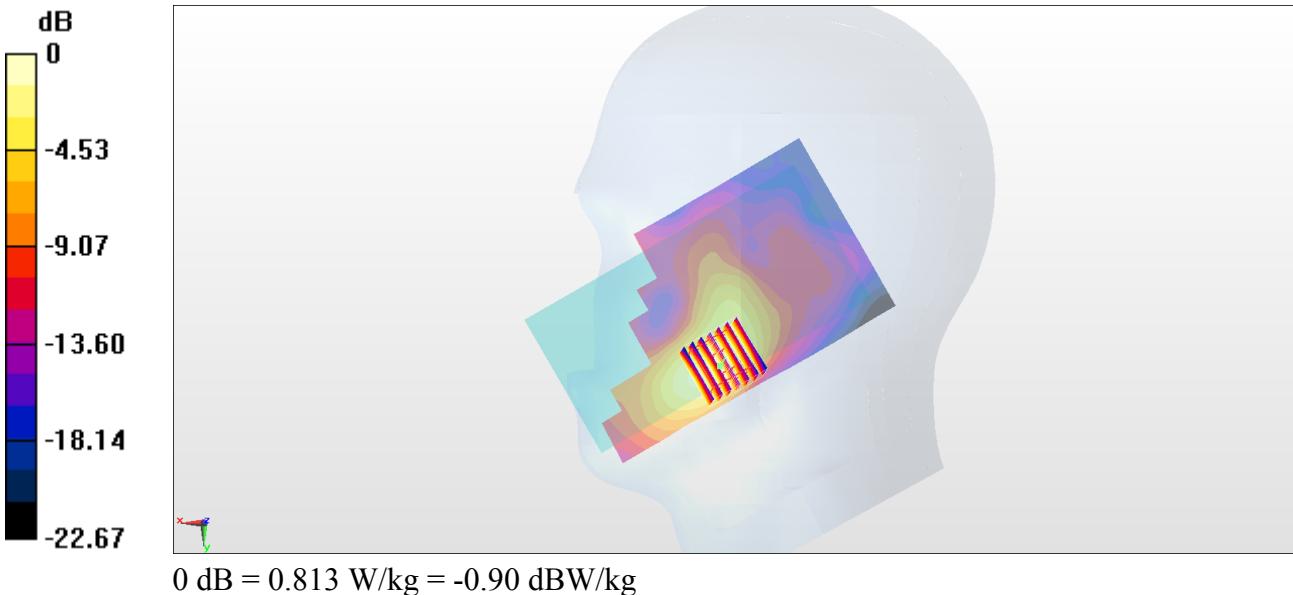
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.07 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.337 W/kg**

Maximum value of SAR (measured) = 0.813 W/kg



**#10\_LTE Band 38\_20M\_QPSK\_1\_0\_Right Cheek\_Ch37850**

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

Medium: HSL\_2600\_170804 Medium parameters used:  $f = 2580 \text{ MHz}$ ;  $\sigma = 1.946 \text{ S/m}$ ;  $\epsilon_r = 38.169$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.37, 4.37, 4.37); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.576 W/kg

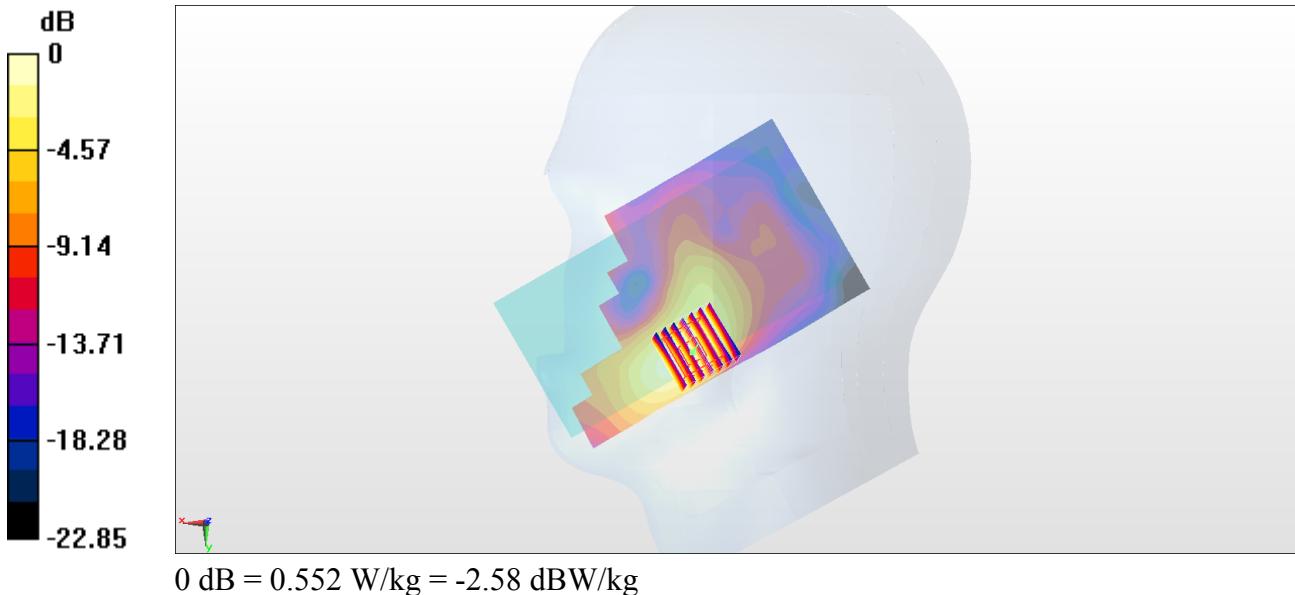
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.21 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.822 W/kg

**SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.227 W/kg**

Maximum value of SAR (measured) = 0.552 W/kg



**#11\_LTE Band 41\_20M\_QPSK\_1\_0\_Right Cheek\_Ch40870**

Communication System: LTE TDD; Frequency: 2618 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_170804 Medium parameters used:  $f = 2618 \text{ MHz}$ ;  $\sigma = 1.986 \text{ S/m}$ ;  $\epsilon_r = 38.05$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.37, 4.37, 4.37); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.583 W/kg

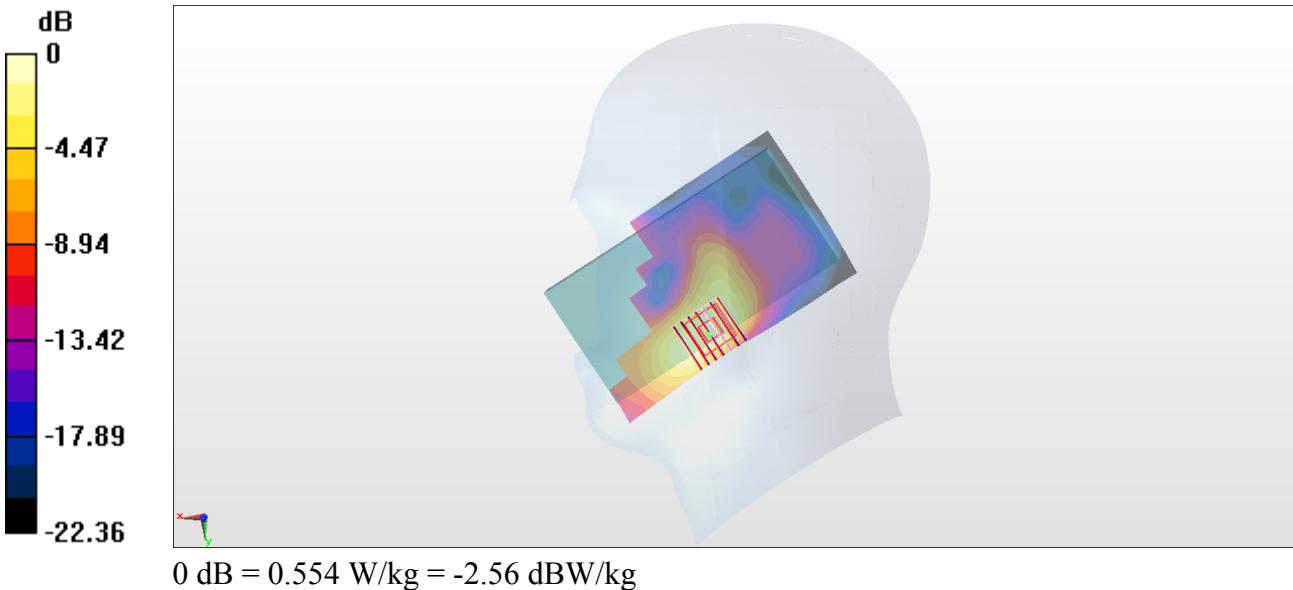
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.62 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.856 W/kg

**SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.223 W/kg**

Maximum value of SAR (measured) = 0.554 W/kg



**#12\_WLAN2.4GHz\_802.11b 1Mbps\_Left Cheek\_Ch6**

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL\_2450\_170809 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.811 \text{ S/m}$ ;  $\epsilon_r = 40.108$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(7.85, 7.85, 7.85); Calibrated: 2017/5/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2017/5/22
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

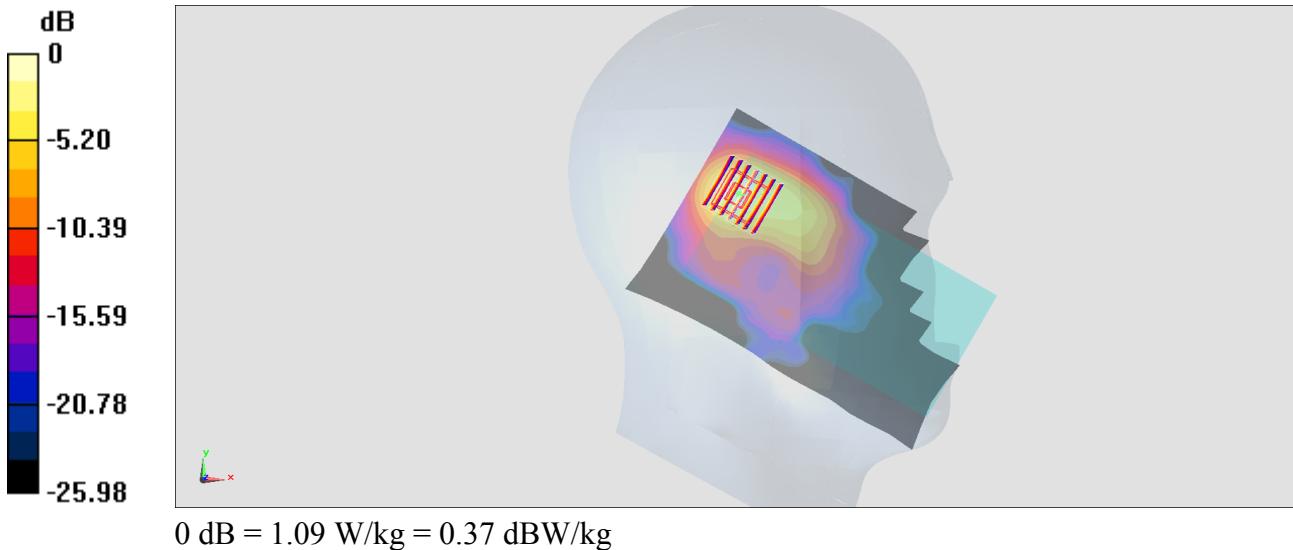
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.34 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.304 W/kg

Maximum value of SAR (measured) = 1.09 W/kg



**#13\_WLAN5GHz\_802.11a 6Mbps\_Right Tilted\_Ch56**

Communication System: 802.11a; Frequency: 5280 MHz; Duty Cycle: 1:1.029

Medium: HSL\_5G\_170810 Medium parameters used:  $f = 5280 \text{ MHz}$ ;  $\sigma = 4.524 \text{ S/m}$ ;  $\epsilon_r = 35.629$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(5.36, 5.36, 5.36); Calibrated: 2017/5/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2017/5/22
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (91x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.12 W/kg

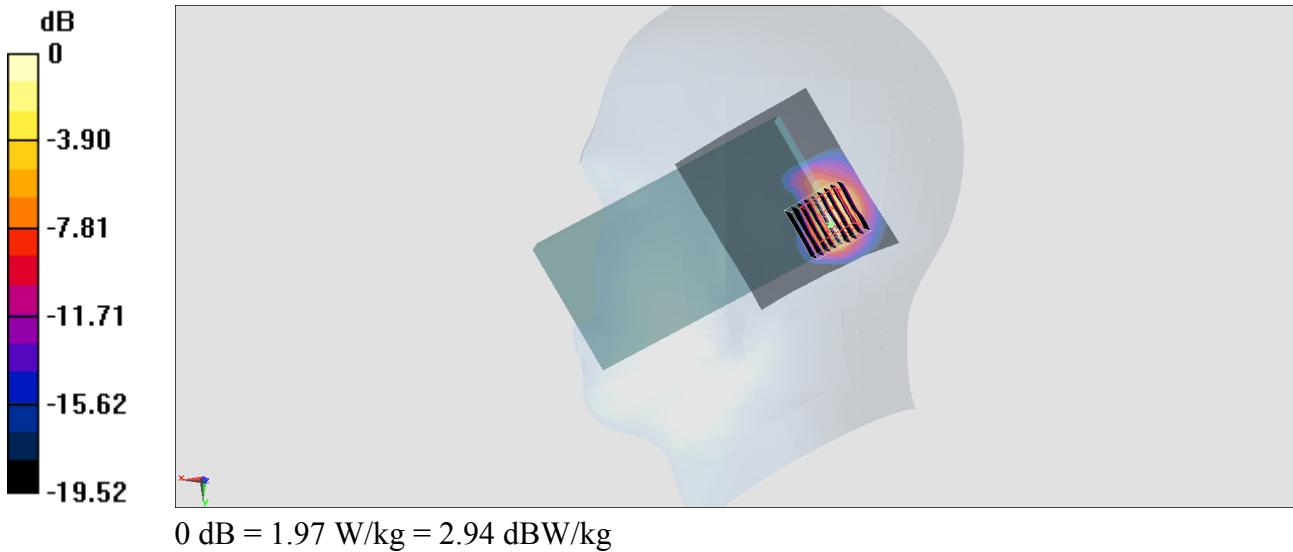
**Zoom Scan (9x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.159 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 0.887 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 1.97 W/kg



**#14\_WLAN5GHz\_802.11a 6Mbps\_Right Tilted\_Ch132**

Communication System: 802.11a; Frequency: 5660 MHz; Duty Cycle: 1:1.029

Medium: HSL\_5G\_170810 Medium parameters used:  $f = 5660 \text{ MHz}$ ;  $\sigma = 4.897 \text{ S/m}$ ;  $\epsilon_r = 35.124$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(4.72, 4.72, 4.72); Calibrated: 2017/5/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2017/5/22
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (91x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.80 W/kg

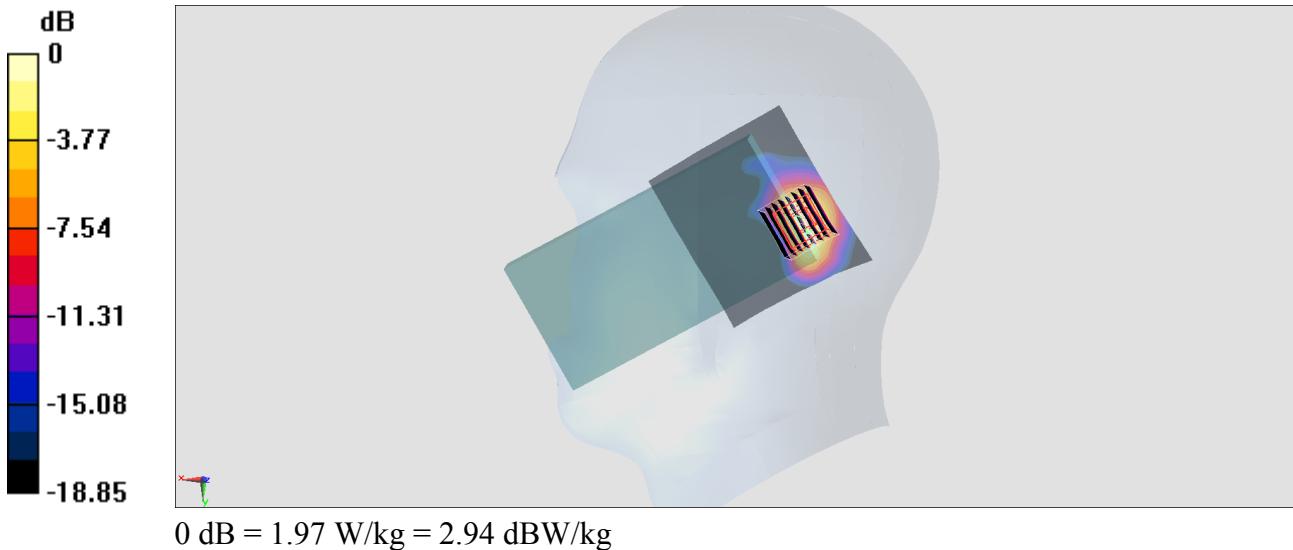
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.26 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.05 W/kg

SAR(1 g) = 0.876 W/kg; SAR(10 g) = 0.317 W/kg

Maximum value of SAR (measured) = 1.97 W/kg



**#15\_WLAN5GHz\_802.11a 6Mbps\_Right Tilted\_Ch157**

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.029

Medium: HSL\_5G\_170810 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.022$  S/m;  $\epsilon_r = 34.97$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(4.87, 4.87, 4.87); Calibrated: 2017/5/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2017/5/22
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (91x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.68 W/kg

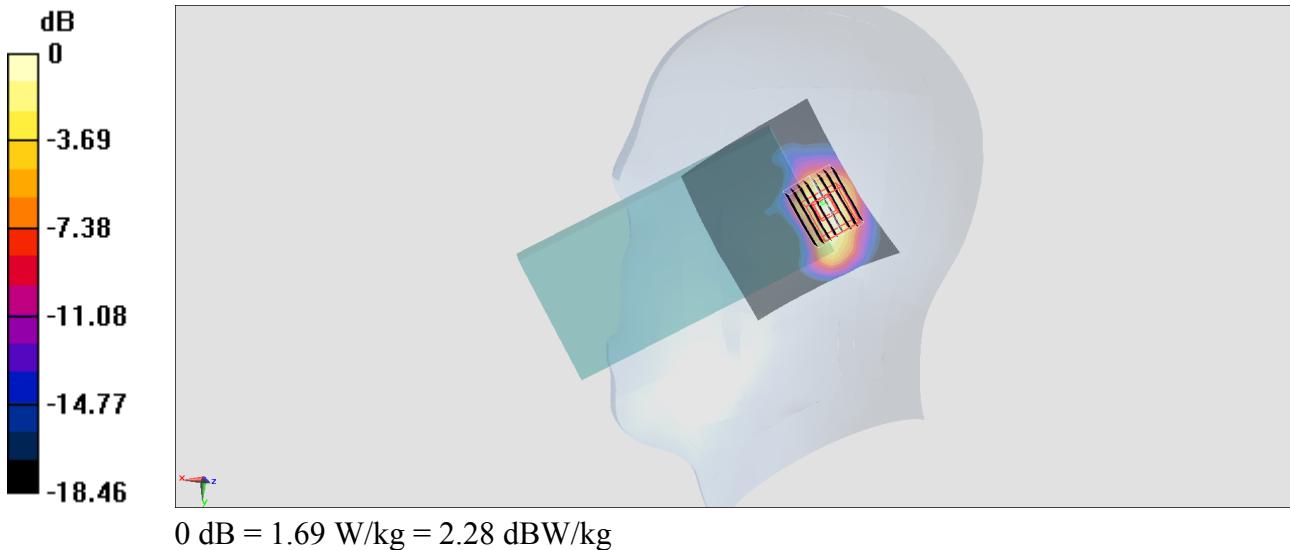
**Zoom Scan (8x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.78 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.75 W/kg

SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.268 W/kg

Maximum value of SAR (measured) = 1.69 W/kg



## #16\_GSM850\_GPRS (4 Tx slots)\_Back\_10mm\_Ch128

Communication System: GSM850 ; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: MSL\_850\_170803 Medium parameters used :  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.967 \text{ S/m}$ ;  $\epsilon_r = 55.995$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(6.01, 6.01, 6.01); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.640 W/kg

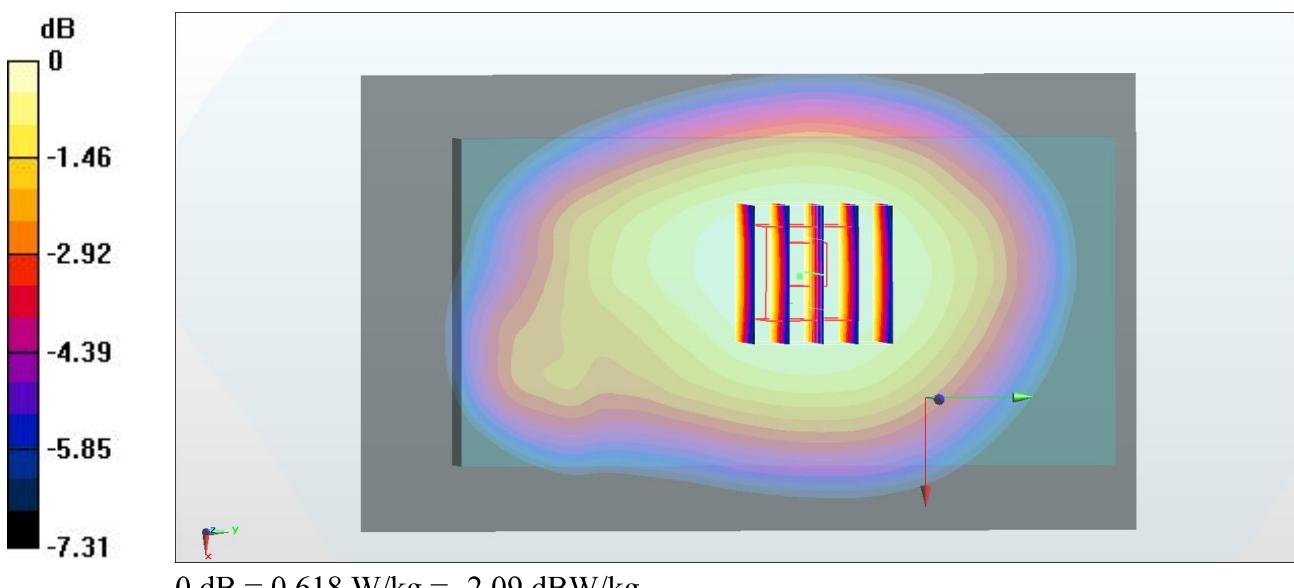
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.06 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.700 W/kg

**SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.437 W/kg**

Maximum value of SAR (measured) = 0.618 W/kg



**#17\_GSM1900\_GPRS (3 Tx slots)\_Back\_10mm\_Ch810**

Communication System: PCS ; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77

Medium: MSL\_1900\_170802 Medium parameters used:  $f = 1910 \text{ MHz}$ ;  $\sigma = 1.574 \text{ S/m}$ ;  $\epsilon_r = 53.508$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

## DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.760 W/kg

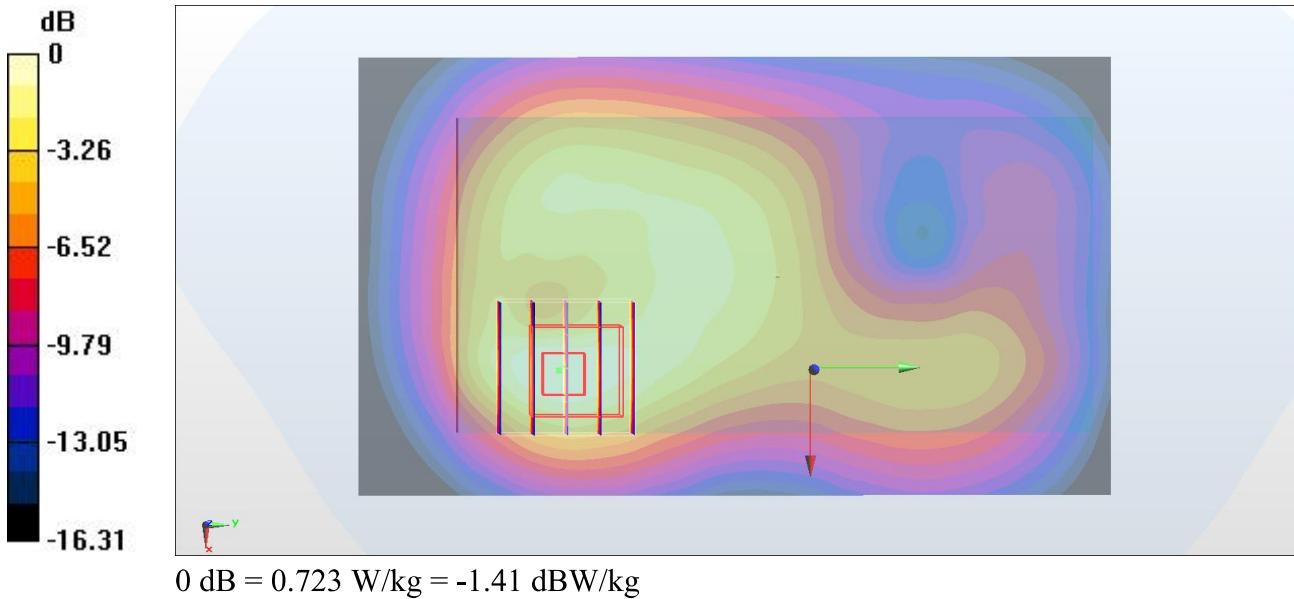
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.03 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.964 W/kg

**SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.332 W/kg**

Maximum value of SAR (measured) = 0.723 W/kg



## #18\_WCDMA II\_RMC 12.2Kbps\_Back\_10mm\_Ch9538

Communication System: WCDMA ; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_170802 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.572 \text{ S/m}$ ;  $\epsilon_r = 53.515$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

### DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.947 W/kg

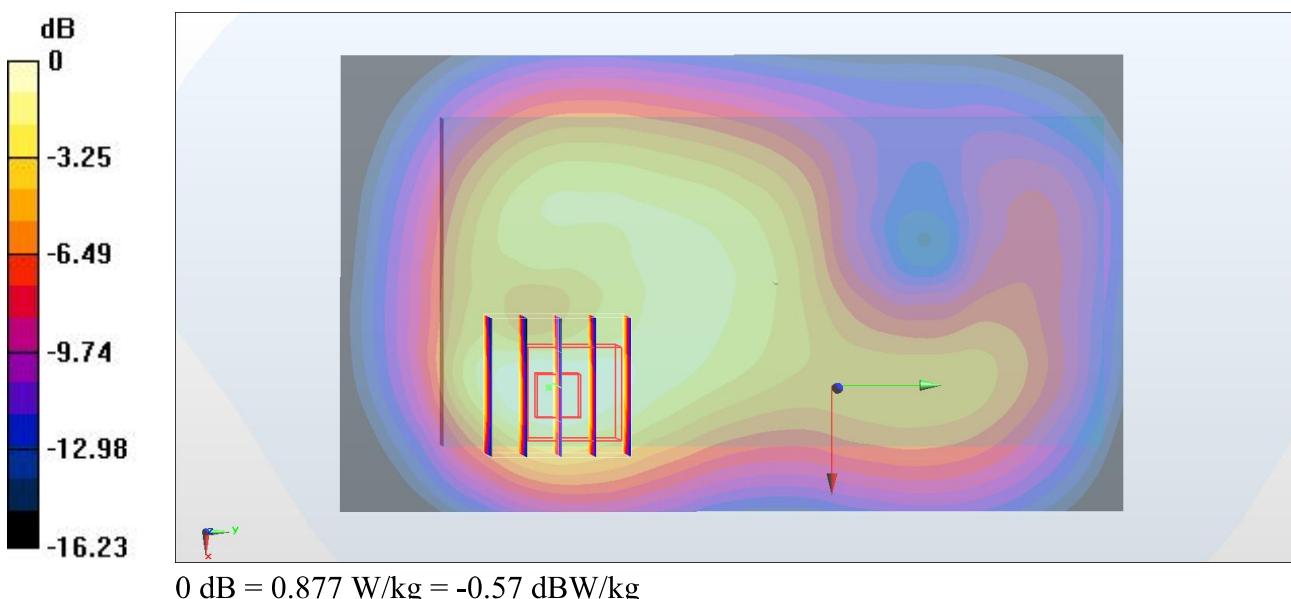
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.86 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.414 W/kg**

Maximum value of SAR (measured) = 0.877 W/kg



**#19\_WCDMA IV\_RMC 12.2Kbps\_Front\_10mm\_Ch1513**

Communication System: WCDMA ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_170802 Medium parameters used:  $f = 1753 \text{ MHz}$ ;  $\sigma = 1.491 \text{ S/m}$ ;  $\epsilon_r = 54.984$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.95, 4.95, 4.95); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.751 W/kg

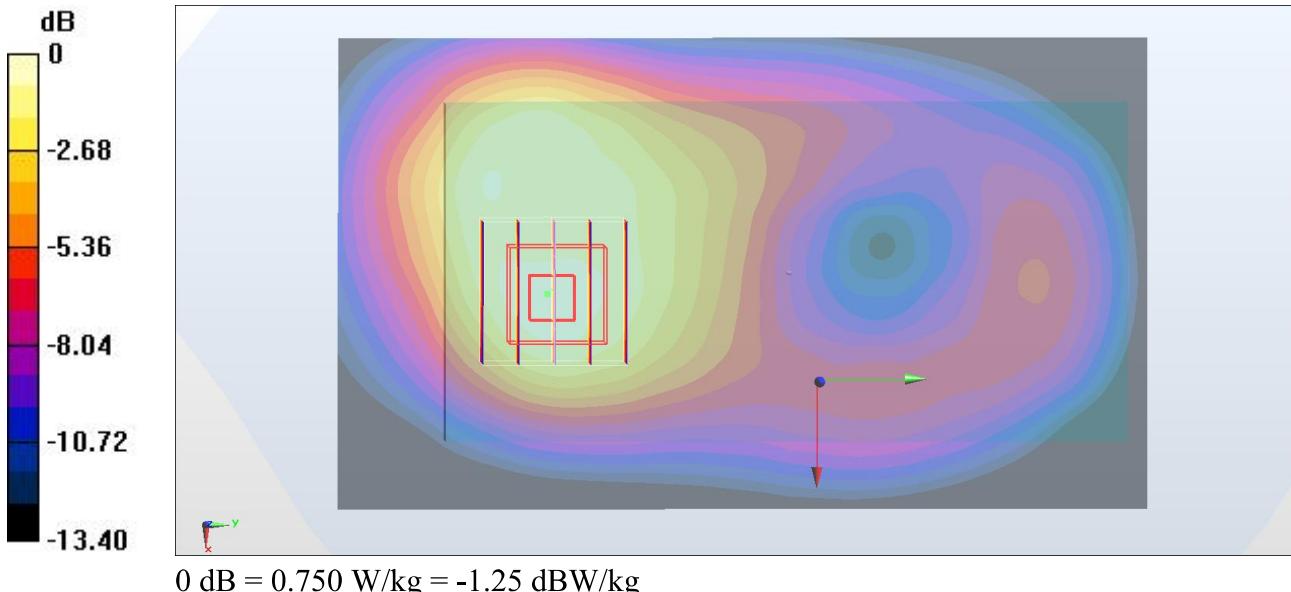
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.65 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.939 W/kg

**SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.418 W/kg**

Maximum value of SAR (measured) = 0.750 W/kg



## #20\_WCDMA V\_RMC 12.2Kbps\_Back\_10mm\_Ch4233

Communication System: WCDMA ; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_850\_170803 Medium parameters used:  $f = 847 \text{ MHz}$ ;  $\sigma = 0.989 \text{ S/m}$ ;  $\epsilon_r = 55.781$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

### DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(6.01, 6.01, 6.01); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.400 W/kg

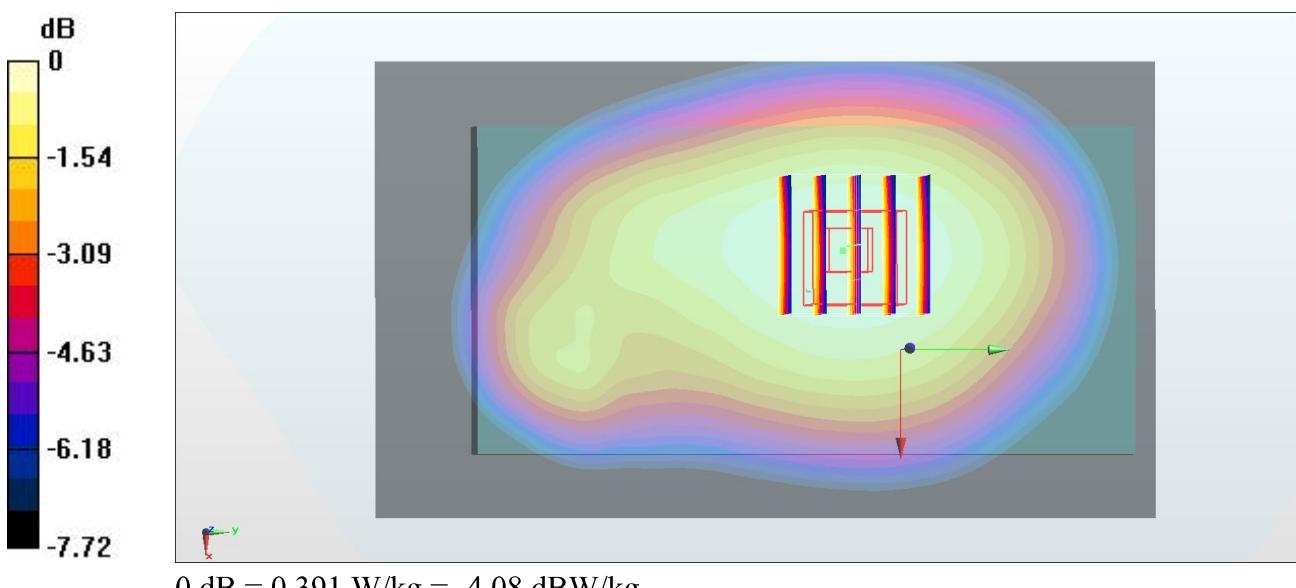
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.51 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.445 W/kg

**SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.275 W/kg**

Maximum value of SAR (measured) = 0.391 W/kg



## #21\_LTE Band 2\_20M\_QPSK\_1\_0\_Back\_10mm\_Ch18700

Communication System: LTE ; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_170802 Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.522 \text{ S/m}$ ;  $\epsilon_r = 53.708$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

## DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(4.7, 4.7, 4.7); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.811 W/kg

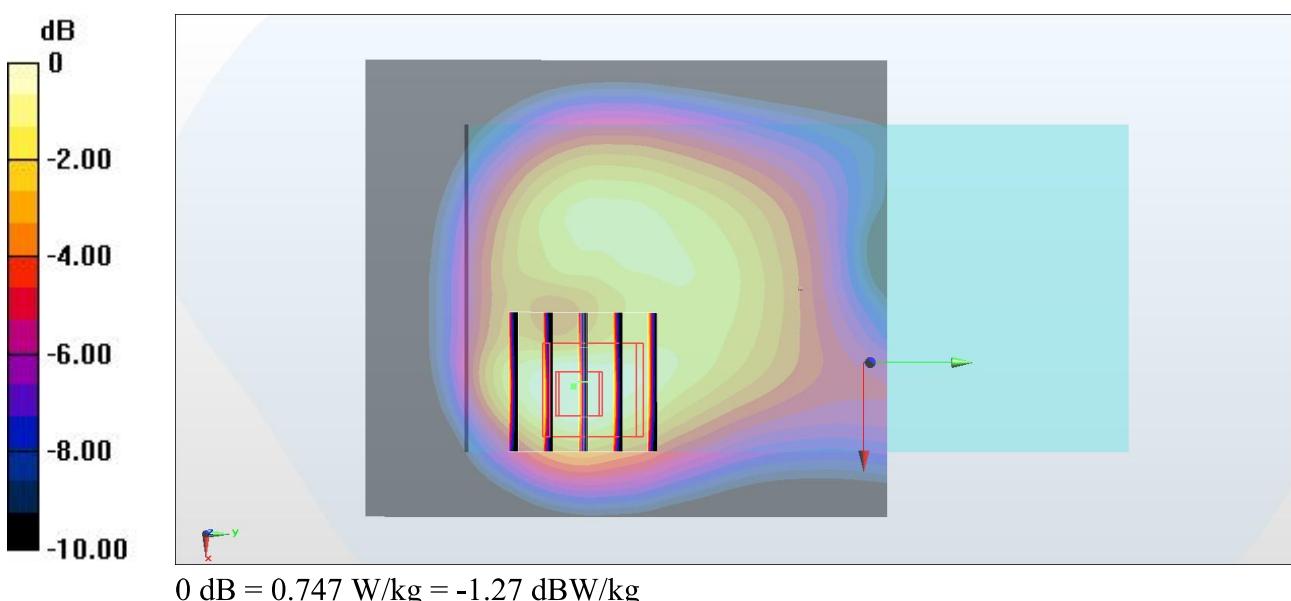
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.74 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.368 W/kg**

Maximum value of SAR (measured) = 0.747 W/kg



**#22\_LTE Band 4\_20M\_QPSK\_1\_0\_Front\_10mm\_Ch20175**

Communication System: LTE ; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_170802 Medium parameters used :  $f = 1732.5 \text{ MHz}$ ;  $\sigma = 1.47 \text{ S/m}$ ;  $\epsilon_r = 55.022$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.95, 4.95, 4.95); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.547 W/kg

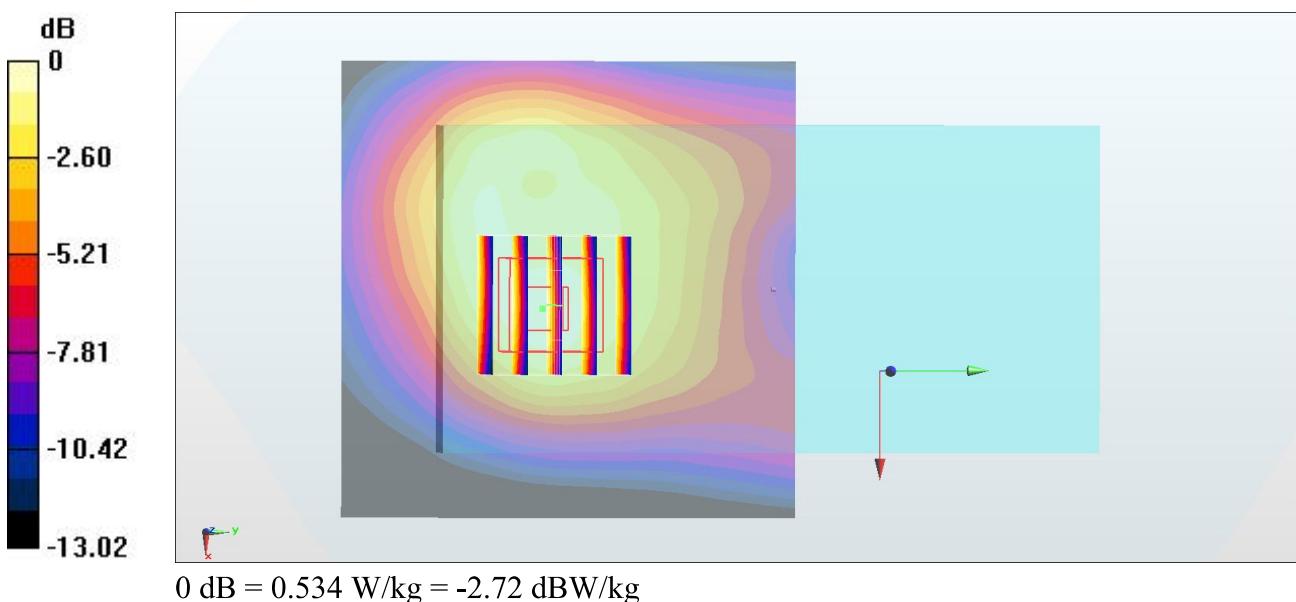
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.60 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.664 W/kg

**SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.301 W/kg**

Maximum value of SAR (measured) = 0.534 W/kg



**#23\_LTE Band 5\_10M\_QPSK\_1\_0\_Back\_10mm\_Ch20525**

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

Medium: MSL\_850\_170803 Medium parameters used :  $f = 836.5 \text{ MHz}$ ;  $\sigma = 0.979 \text{ S/m}$ ;  $\epsilon_r = 55.883$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.1 °C

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(6.01, 6.01, 6.01); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.456 W/kg

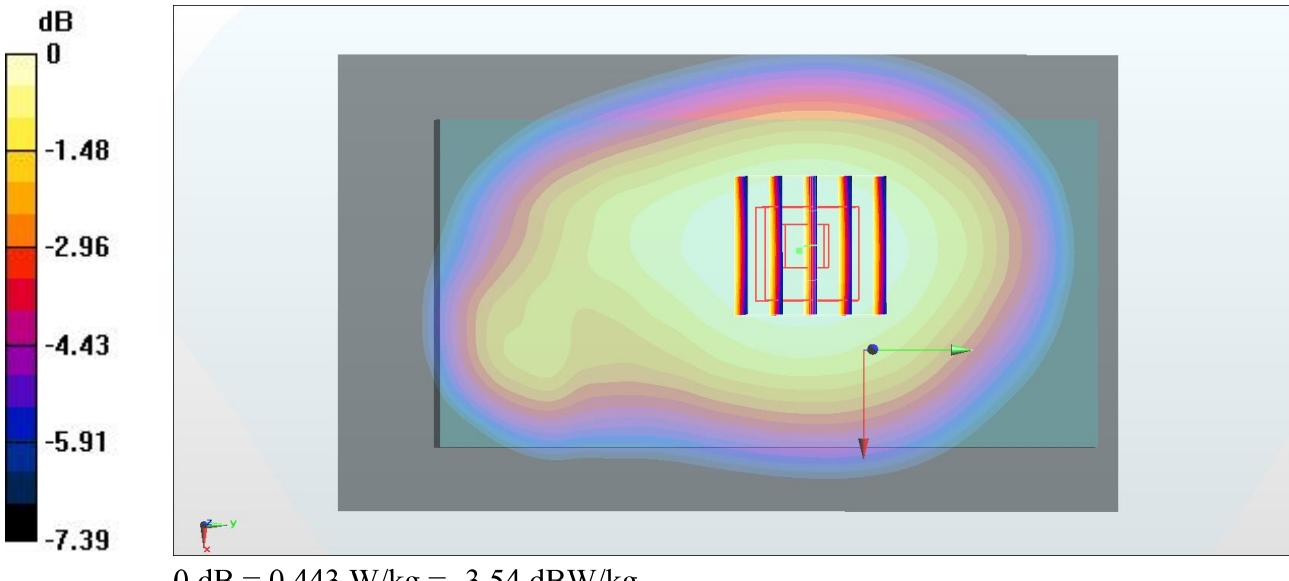
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.09 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.501 W/kg

**SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.315 W/kg**

Maximum value of SAR (measured) = 0.443 W/kg



## #24\_LTE Band 7\_20M\_QPSK\_1\_0\_Front\_10mm\_Ch21100

Communication System: LTE ; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_170731 Medium parameters used :  $f = 2535$  MHz;  $\sigma = 2.121$  S/m;  $\epsilon_r = 54.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

## DASY5 Configuration

- Probe: ES3DV3 - SN3270; ConvF(4.12, 4.12, 4.12); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 1.18 W/kg

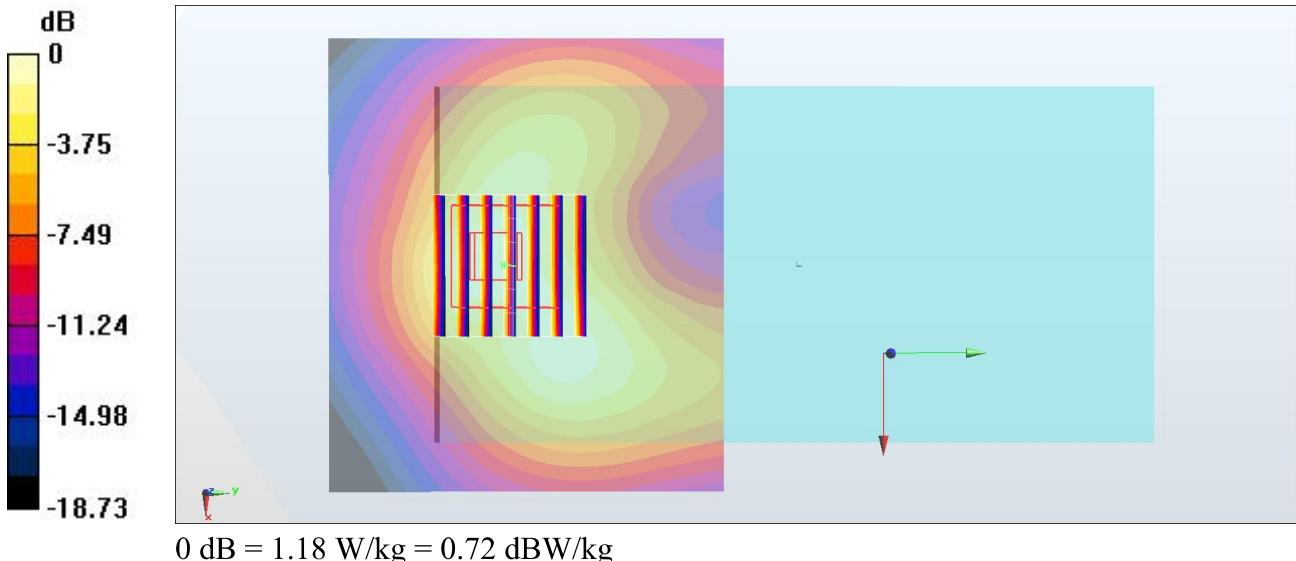
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.16 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.481 W/kg**

Maximum value of SAR (measured) = 1.18 W/kg



**#25\_LTE Band 38\_20M\_QPSK\_1\_0\_Front\_10mm\_Ch37850**

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

Medium: MSL\_2600\_170801 Medium parameters used:  $f = 2580$  MHz;  $\sigma = 2.176$  S/m;  $\epsilon_r = 53.947$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.12, 4.12, 4.12); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.806 W/kg

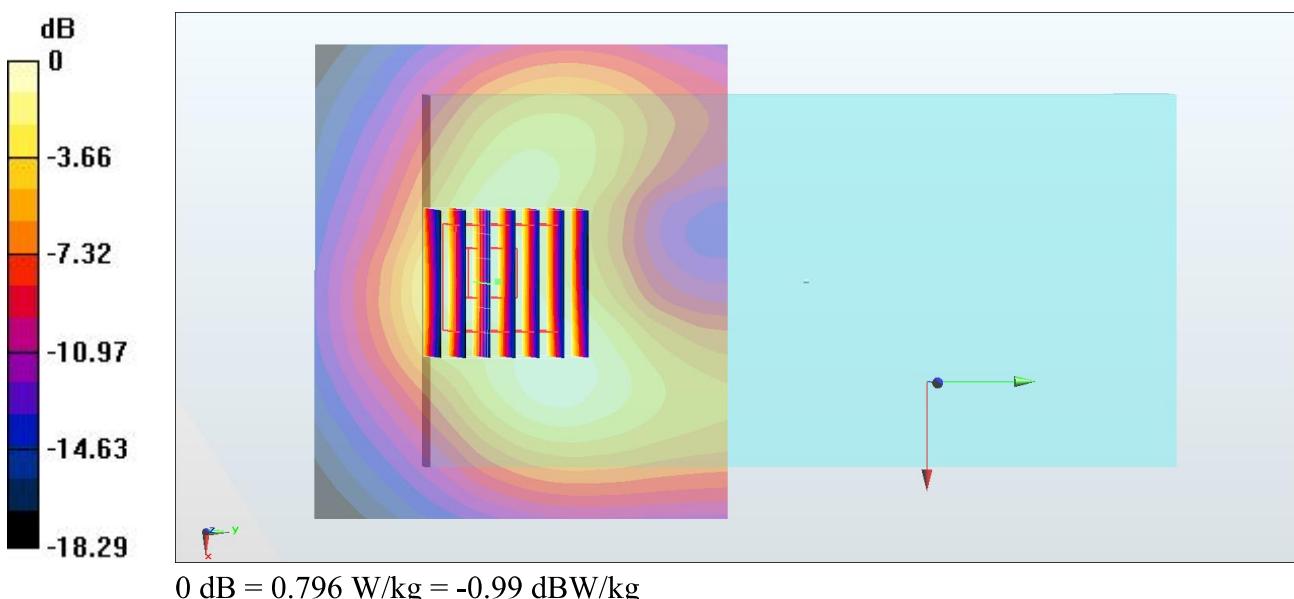
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.51 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.320 W/kg**

Maximum value of SAR (measured) = 0.796 W/kg



**#26\_LTE Band 41\_20M\_QPSK\_1\_0\_Front\_10mm\_Ch40870**

Communication System: LTE TDD ; Frequency: 2618 MHz; Duty Cycle: 1:1.59

Medium: MSL\_2600\_170801 Medium parameters used:  $f = 2618 \text{ MHz}$ ;  $\sigma = 2.226 \text{ S/m}$ ;  $\epsilon_r = 53.853$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3270; ConvF(4.12, 4.12, 4.12); Calibrated: 2016/8/26;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Area Scan (81x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.726 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.90 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.297 W/kg**

Maximum value of SAR (measured) = 0.708 W/kg

