

## #01\_GSM850\_GPRS (4 Tx slots)\_Right Cheek\_Ch251

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:2.08

Medium: HSL\_850\_180915 Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.921 \text{ S/m}$ ;  $\epsilon_r = 41.367$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7324; ConvF(9.19, 9.19, 9.19); Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.14 W/kg

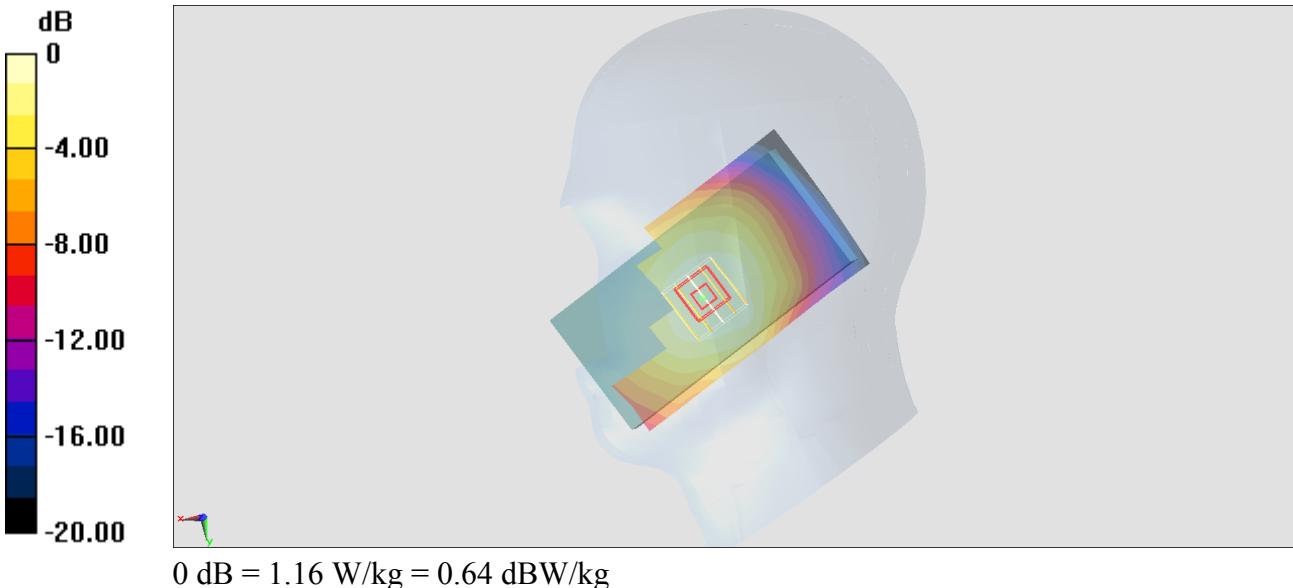
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.39 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.837 W/kg**

Maximum value of SAR (measured) = 1.16 W/kg



**#02\_GSM1900\_GPRS (4 Tx slots)\_Left Cheek\_Ch661**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:2.08

Medium: HSL\_1900\_180909 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.43 \text{ S/m}$ ;  $\epsilon_r = 39.837$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

## DASY5 Configuration

- Probe: EX3DV4 - SN3976; ConvF(8.71, 8.71, 8.71); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.498 W/kg

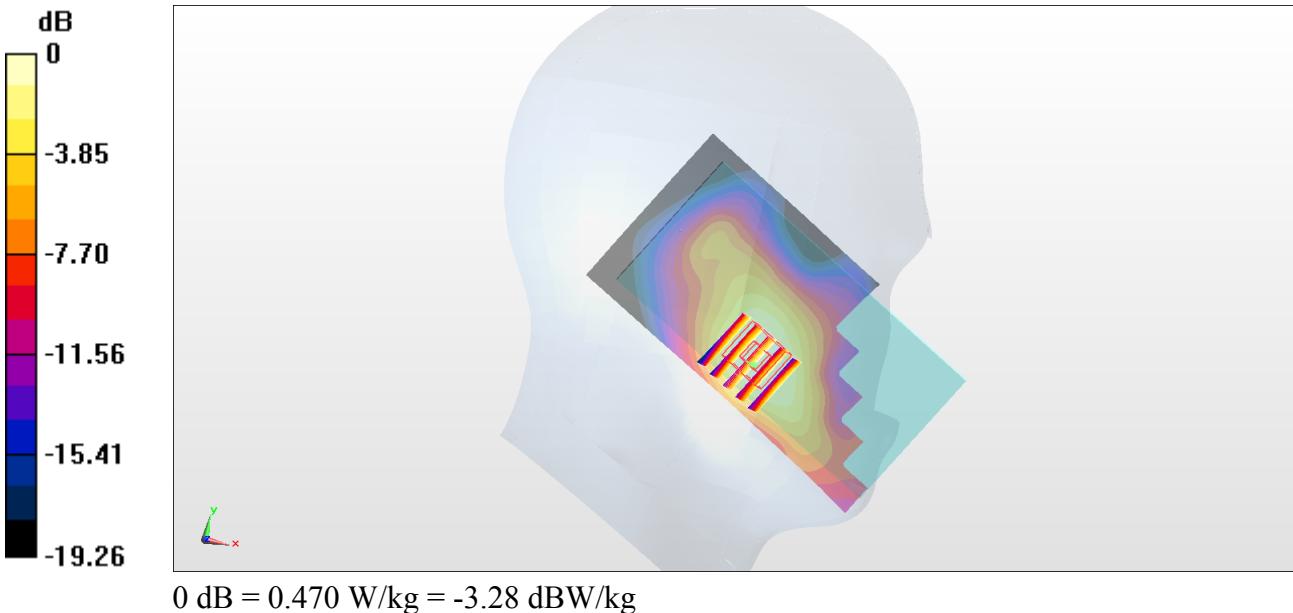
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.97 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.547 W/kg

**SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.221 W/kg**

Maximum value of SAR (measured) = 0.470 W/kg



**#03\_WCDMA II\_RMC 12.2Kbps\_Left Cheek\_Ch9262**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_180909 Medium parameters used:  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.403 \text{ S/m}$ ;  $\epsilon_r = 39.968$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3976; ConvF(8.71, 8.71, 8.71); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.780 W/kg

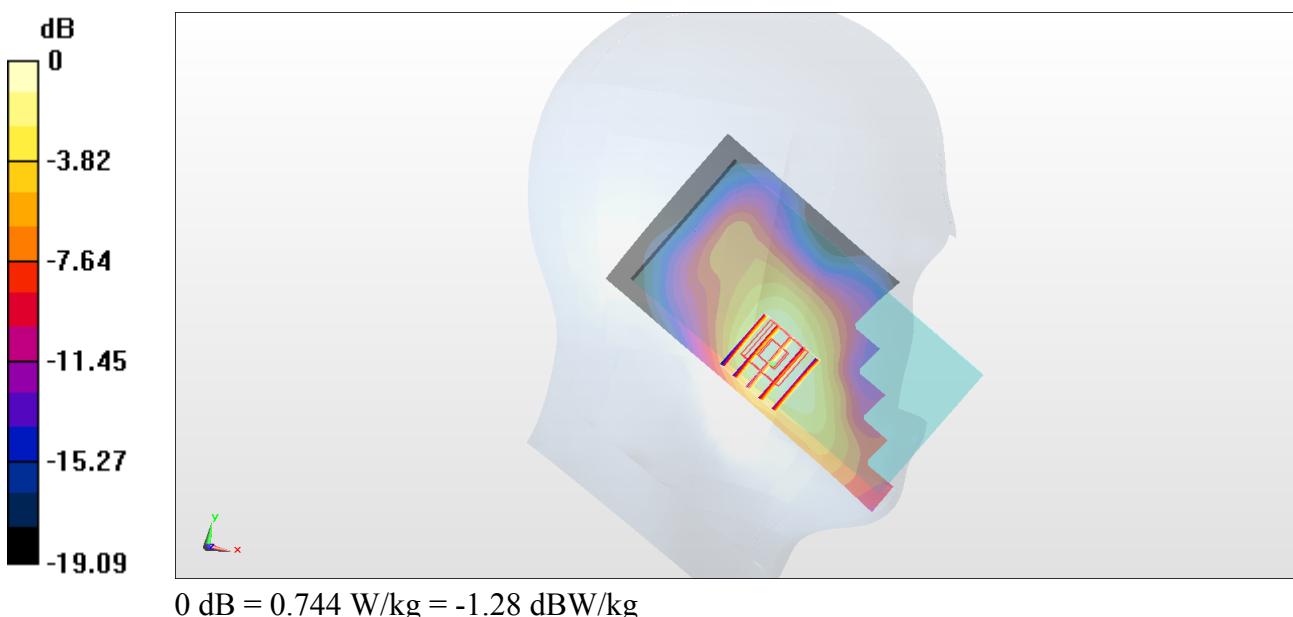
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.40 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.863 W/kg

**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.346 W/kg**

Maximum value of SAR (measured) = 0.744 W/kg



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

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750\_180917 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.359$  S/m;  $\epsilon_r = 40.241$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.99, 8.99, 8.99) ; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.351 W/kg

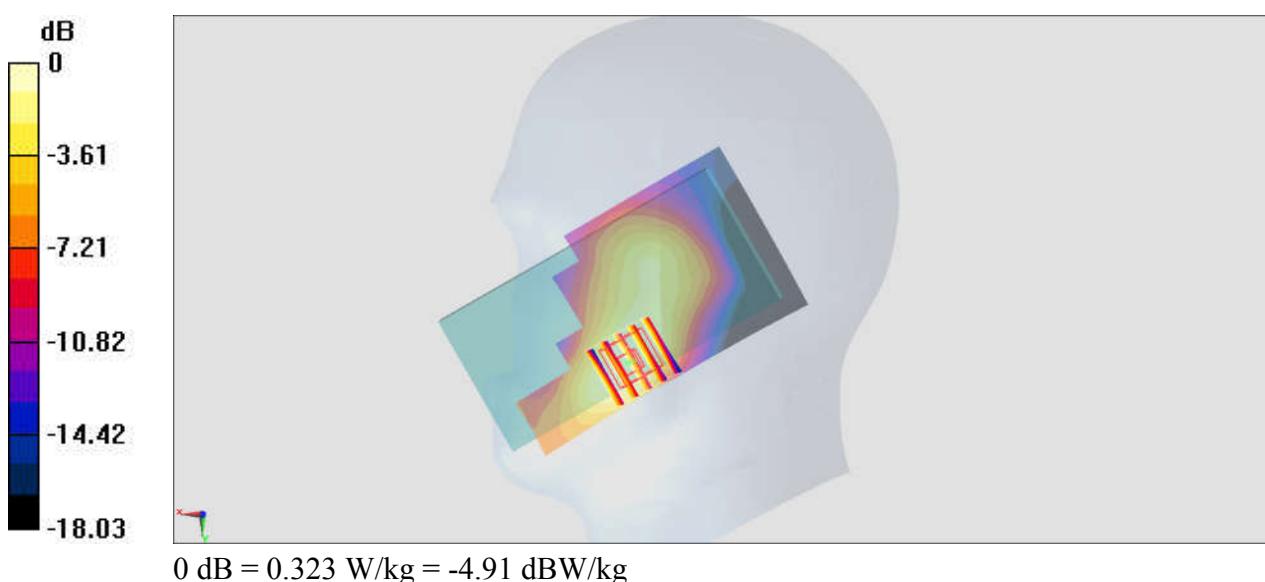
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.84 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.366 W/kg

**SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.158 W/kg**

Maximum value of SAR (measured) = 0.323 W/kg



**#05\_WCDMA V\_RMC 12.2Kbps\_Right Cheek\_Ch4233**

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

Medium: HSL\_850\_180915 Medium parameters used:  $f = 847 \text{ MHz}$ ;  $\sigma = 0.919 \text{ S/m}$ ;  $\epsilon_r = 41.391$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7324; ConvF(9.19, 9.19, 9.19); Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.765 W/kg

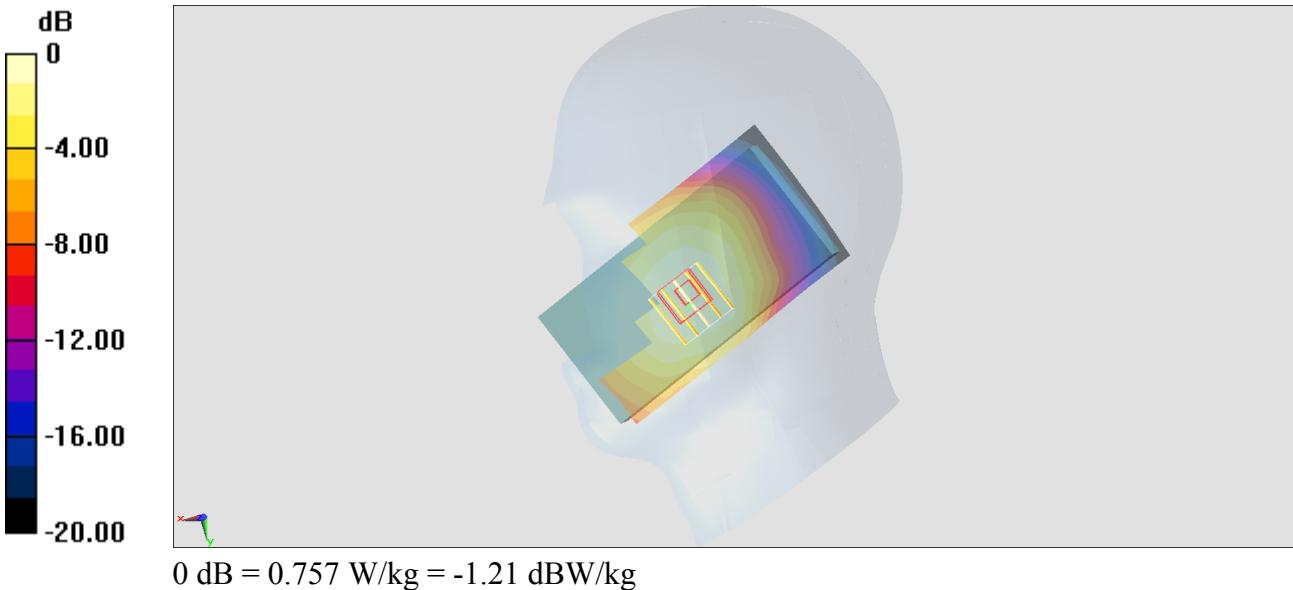
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.46 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.859 W/kg

SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.554 W/kg

Maximum value of SAR (measured) = 0.757 W/kg



**#06\_LTE Band 7\_20M\_QPSK\_1\_0\_Left Cheek\_Ch21100**

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

Medium: HSL\_2600\_180909 Medium parameters used :  $f = 2535$  MHz;  $\sigma = 1.945$  S/m;  $\epsilon_r = 39.851$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.75, 4.75, 4.75); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

**Area Scan (51x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.77 W/kg

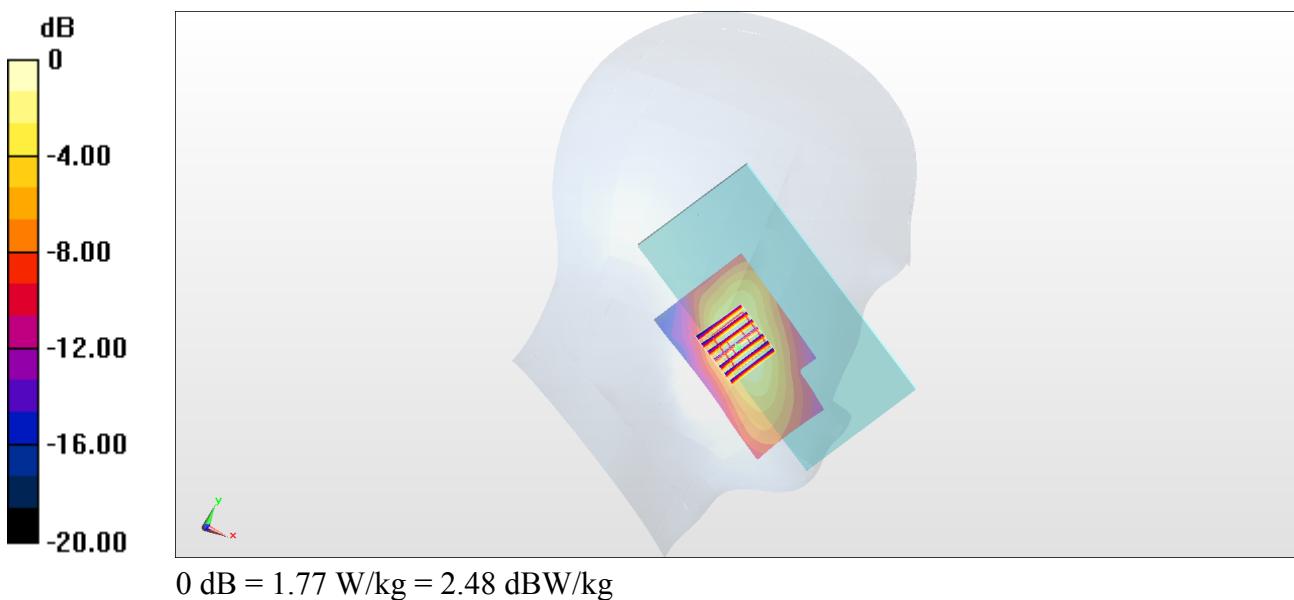
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.40 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.58 W/kg

**SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.704 W/kg**

Maximum value of SAR (measured) = 1.71 W/kg



**#07\_LTE Band 12\_10M\_QPSK\_1\_0\_Right Cheek\_Ch23095**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_180913 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.852$  S/m;  $\epsilon_r = 43.341$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3170; ConvF(6.54, 6.54, 6.54); Calibrated: 2017/10/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2017/9/25
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.526 W/kg

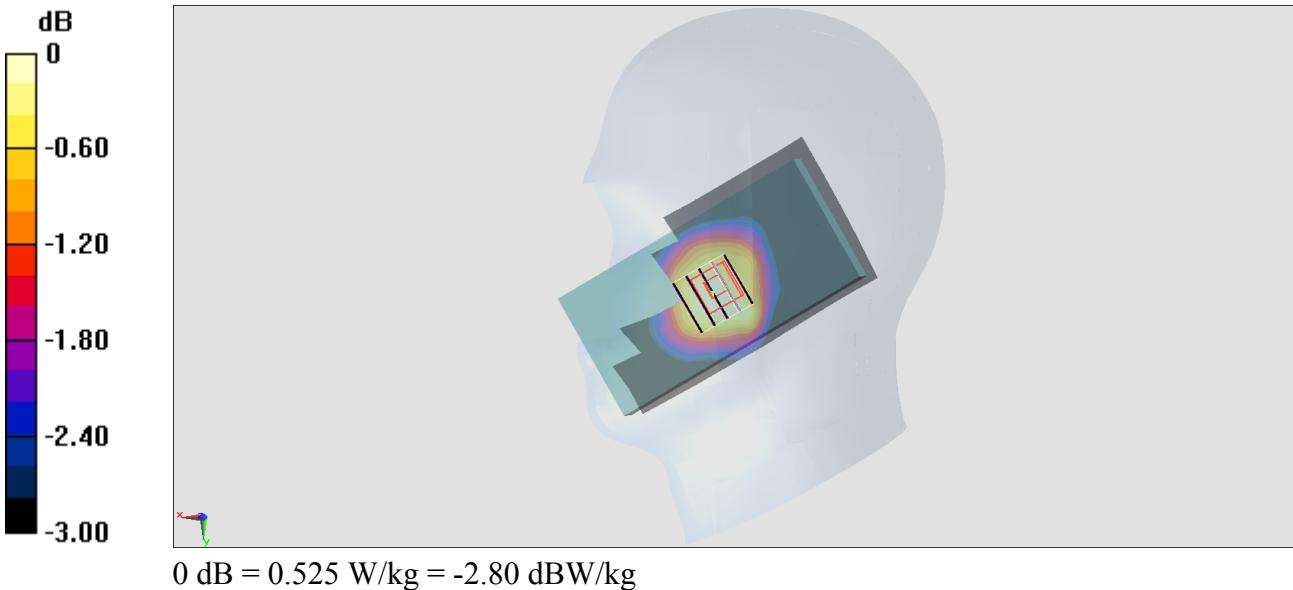
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.51 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.395 W/kg

Maximum value of SAR (measured) = 0.525 W/kg



**#08\_LTE Band 13\_10M\_QPSK\_1\_0\_Right Cheek\_Ch23230**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_180913 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.92 \text{ S/m}$ ;  $\epsilon_r = 42.356$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3170; ConvF(6.54, 6.54, 6.54); Calibrated: 2017/10/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2017/9/25
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

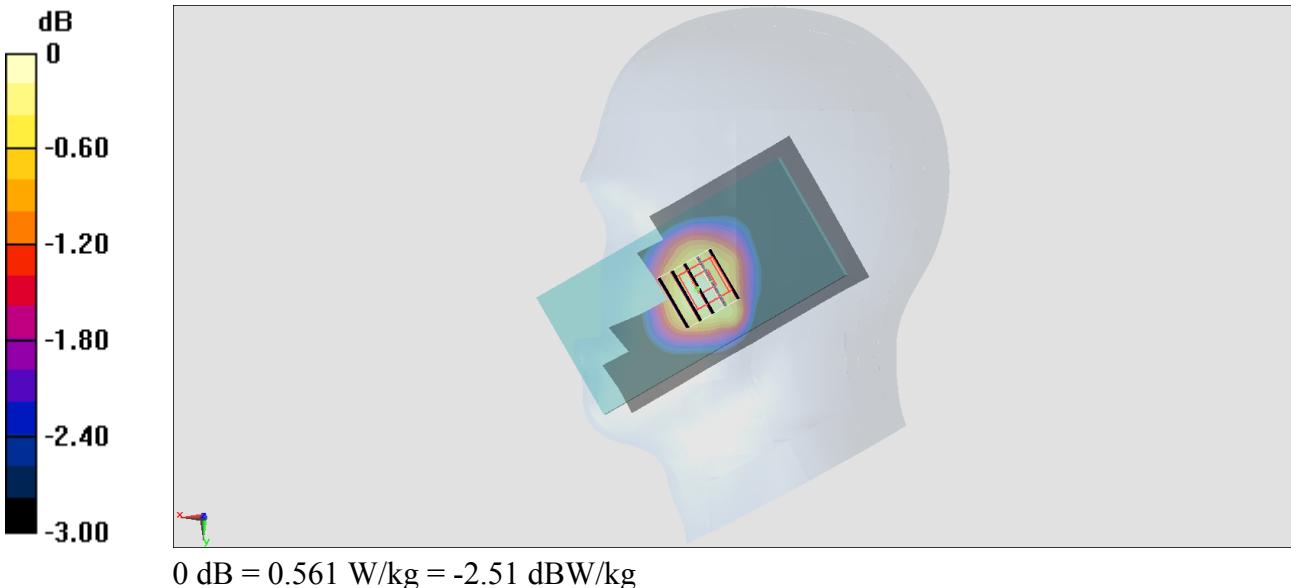
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.98 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.626 W/kg

**SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.404 W/kg**

Maximum value of SAR (measured) = 0.561 W/kg



**#09\_LTE Band 14\_10M\_QPSK\_1\_0\_Right Cheek\_Ch23330;Battery 2**

Communication System: LTE; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_180916 Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 0.925 \text{ S/m}$ ;  $\epsilon_r = 42.42$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(10.36, 10.36, 10.36); Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.522 W/kg

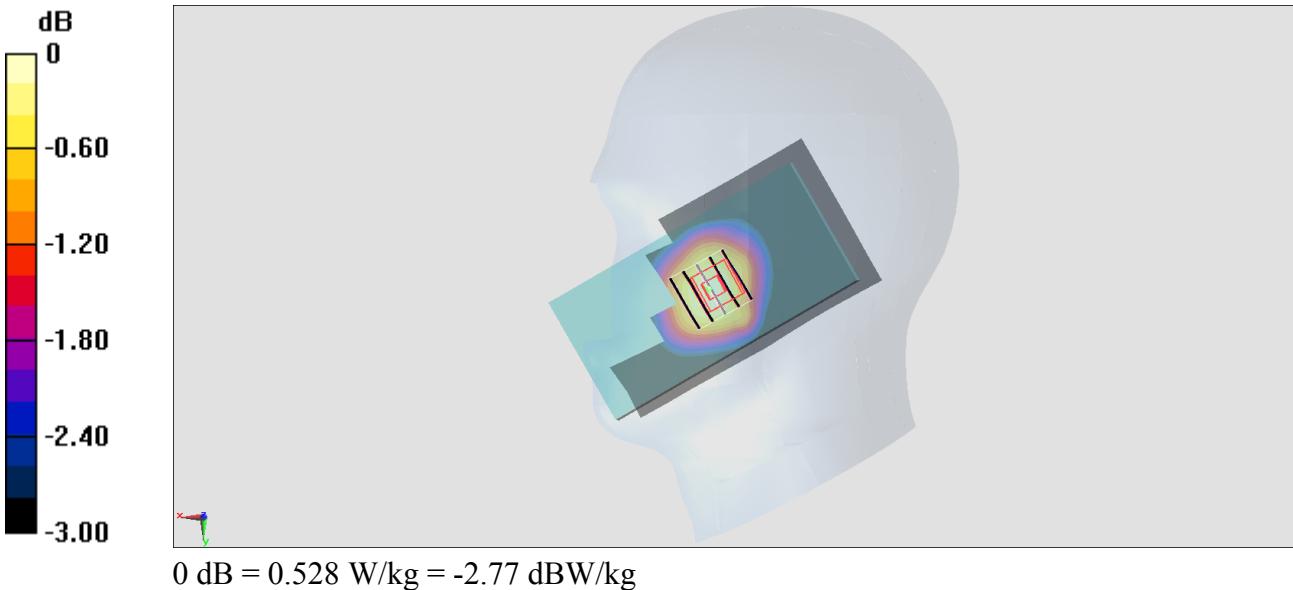
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.55 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.576 W/kg

**SAR(1 g) = 0.492 W/kg; SAR(10 g) = 0.398 W/kg**

Maximum value of SAR (measured) = 0.528 W/kg



**#10\_LTE Band 25\_20M\_QPSK\_1\_0\_Left Cheek\_Ch26140**

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

Medium: HSL\_1900\_180909 Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.411 \text{ S/m}$ ;  $\epsilon_r = 39.929$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3976; ConvF(8.71, 8.71, 8.71); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.782 W/kg

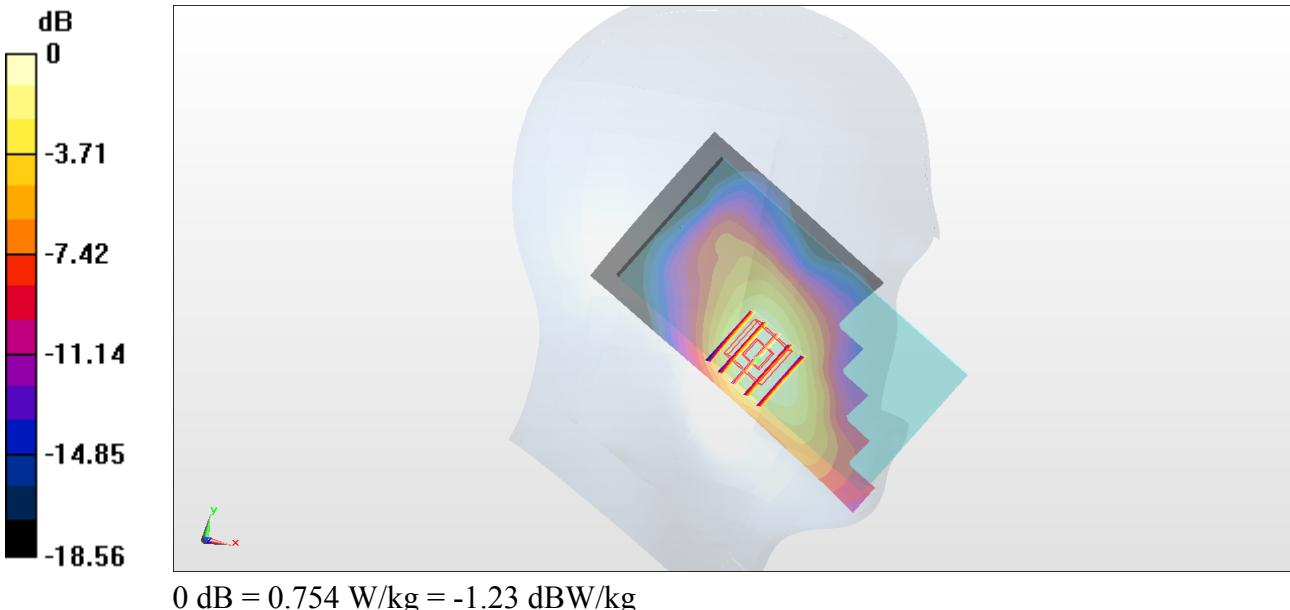
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.68 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.865 W/kg

SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.344 W/kg

Maximum value of SAR (measured) = 0.754 W/kg



**#11\_LTE Band 26\_15M\_QPSK\_1\_0\_Right Cheek\_Ch26865;Battery 2**

Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: HSL\_850\_180915 Medium parameters used :  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.904 \text{ S/m}$ ;  $\epsilon_r = 41.594$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(10.02, 10.02, 10.02); Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.595 W/kg

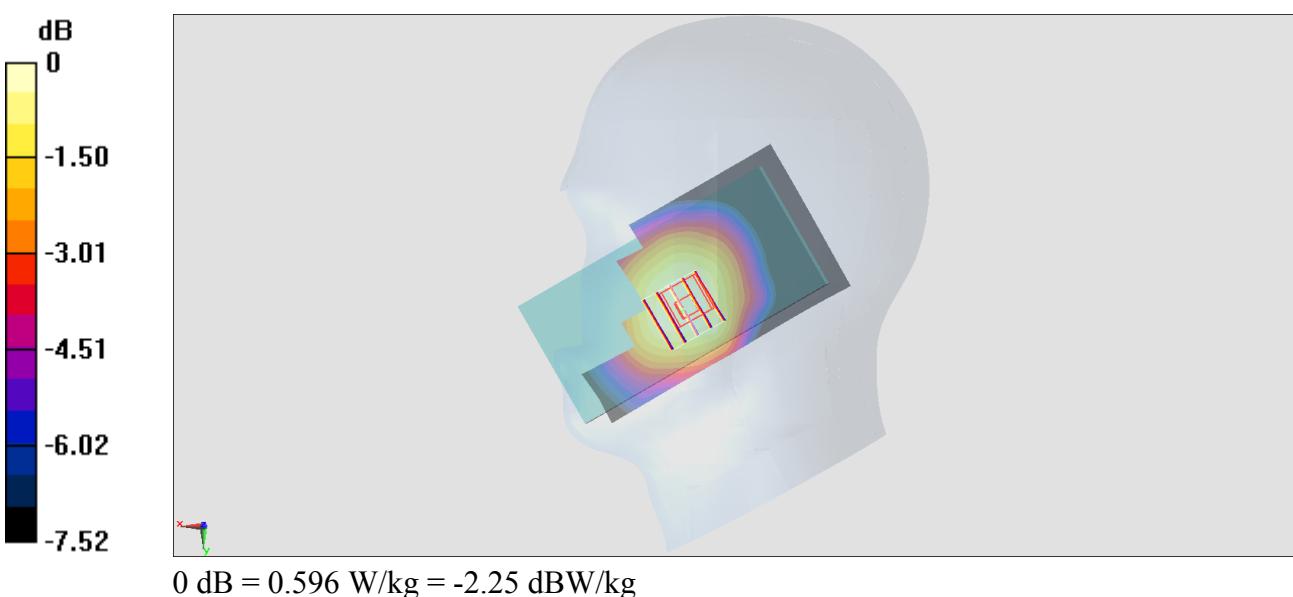
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.85 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.684 W/kg

SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.442 W/kg

Maximum value of SAR (measured) = 0.596 W/kg



**#12\_LTE Band 66\_20M\_QPSK\_1\_0\_Right Cheek\_Ch132572**

Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_180917 Medium parameters used:  $f = 1770 \text{ MHz}$ ;  $\sigma = 1.368 \text{ S/m}$ ;  $\epsilon_r = 40.197$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(8.99, 8.99, 8.99); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.306 W/kg

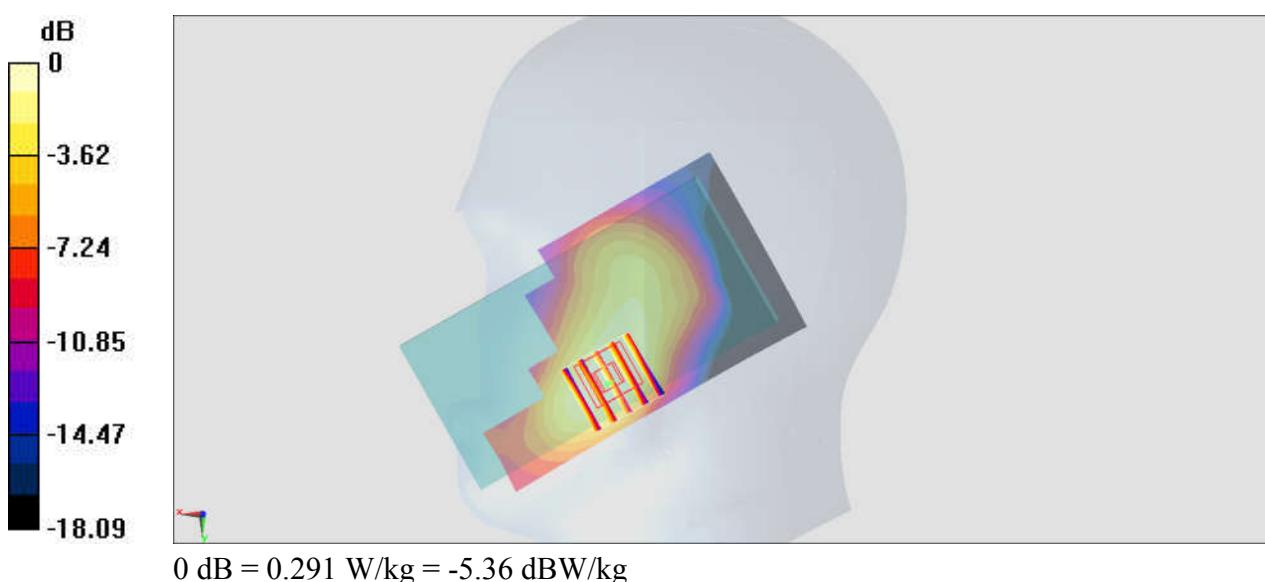
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.00 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.329 W/kg

**SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.140 W/kg**

Maximum value of SAR (measured) = 0.291 W/kg



**#13\_LTE Band 38\_20M\_QPSK\_1\_0\_Left Cheek\_Ch38000**

Communication System: LTE ; Frequency: 2595 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_180909 Medium parameters used:  $f = 2595 \text{ MHz}$ ;  $\sigma = 2.019 \text{ S/m}$ ;  $\epsilon_r = 39.612$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.45, 4.45, 4.45); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

Maximum value of SAR (interpolated) = 1.30 W/kg

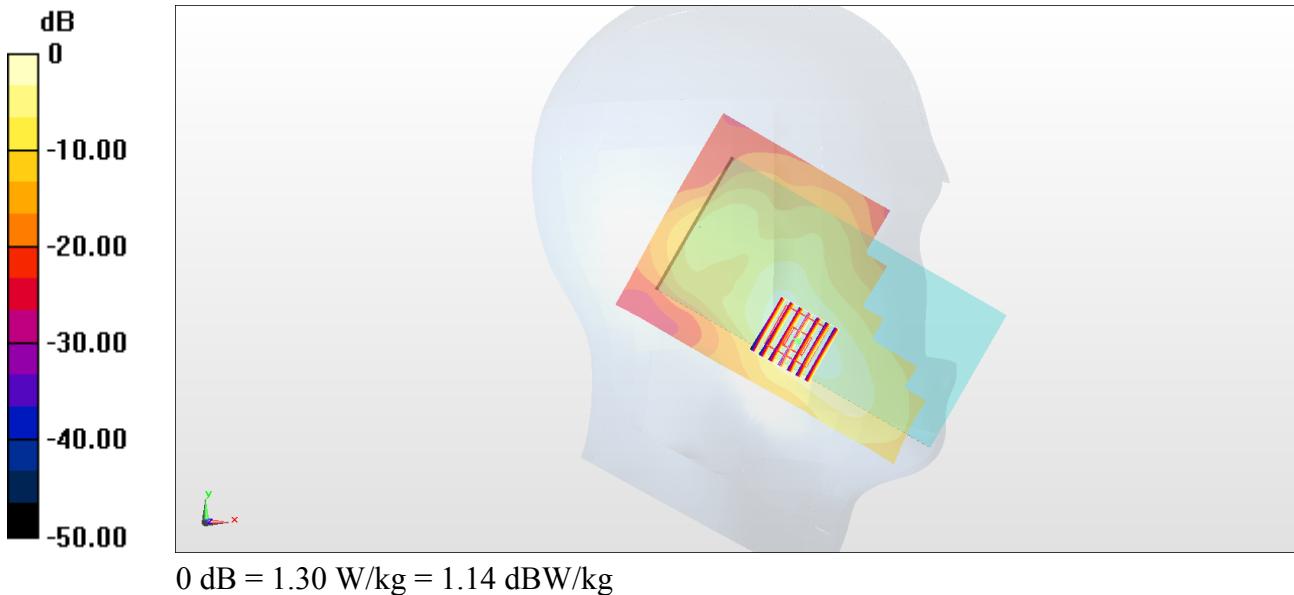
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.66 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 0.979 W/kg; SAR(10 g) = 0.505 W/kg**

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



**#14\_LTE Band 41\_20M\_QPSK\_1\_0\_Left Cheek\_Ch41490**

Communication System: LTE ; Frequency: 2680 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_180916 Medium parameters used:  $f = 2680 \text{ MHz}$ ;  $\sigma = 2.065 \text{ S/m}$ ;  $\epsilon_r = 39.03$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.26, 7.26, 7.26); Calibrated: 2018/7/26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: SAM\_Front; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

Maximum value of SAR (interpolated) = 1.64 W/kg

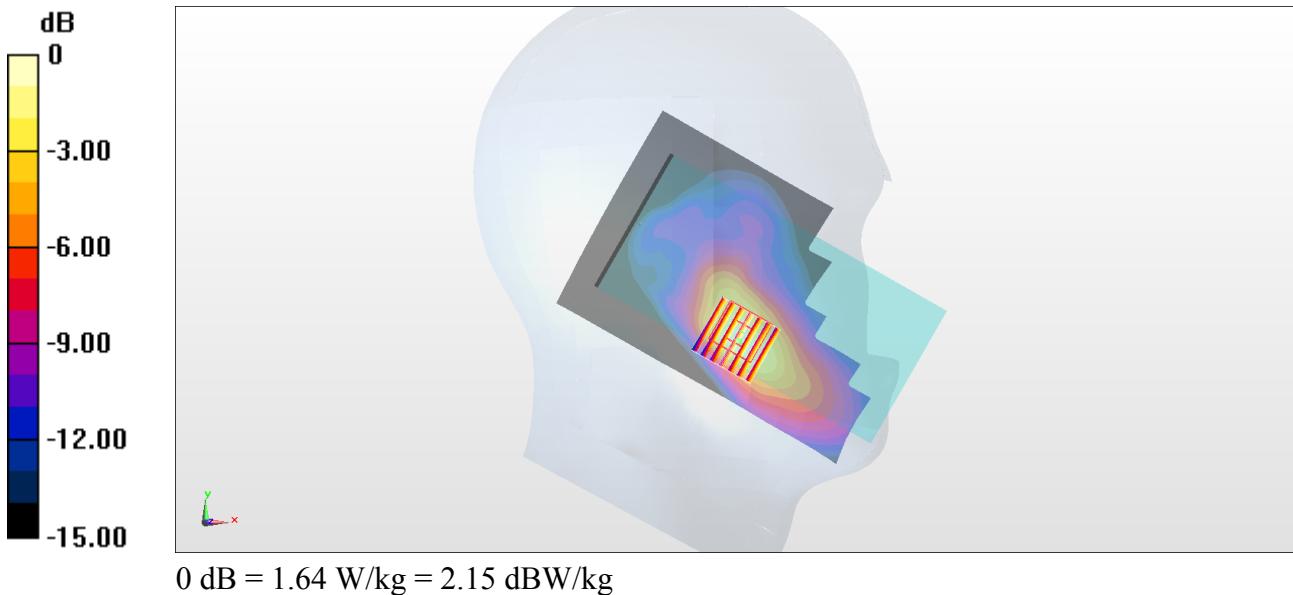
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.74 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.84 W/kg

**SAR(1 g) = 0.967 W/kg; SAR(10 g) = 0.494 W/kg**

Maximum value of SAR (measured) = 1.48 W/kg



**#15\_WLAN2.4GHz\_802.11b 1Mbps\_Left Cheek\_Ch6;Ant1+2**

Communication System: , 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1.01  
Medium: HSL\_2450\_180927 Medium parameters used :  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.794 \text{ S/m}$ ;  $\epsilon_r = 37.992$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3170;ConvF(4.63, 4.63, 4.63) ; Calibrated: 2017/10/26
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x51x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.58 W/kg

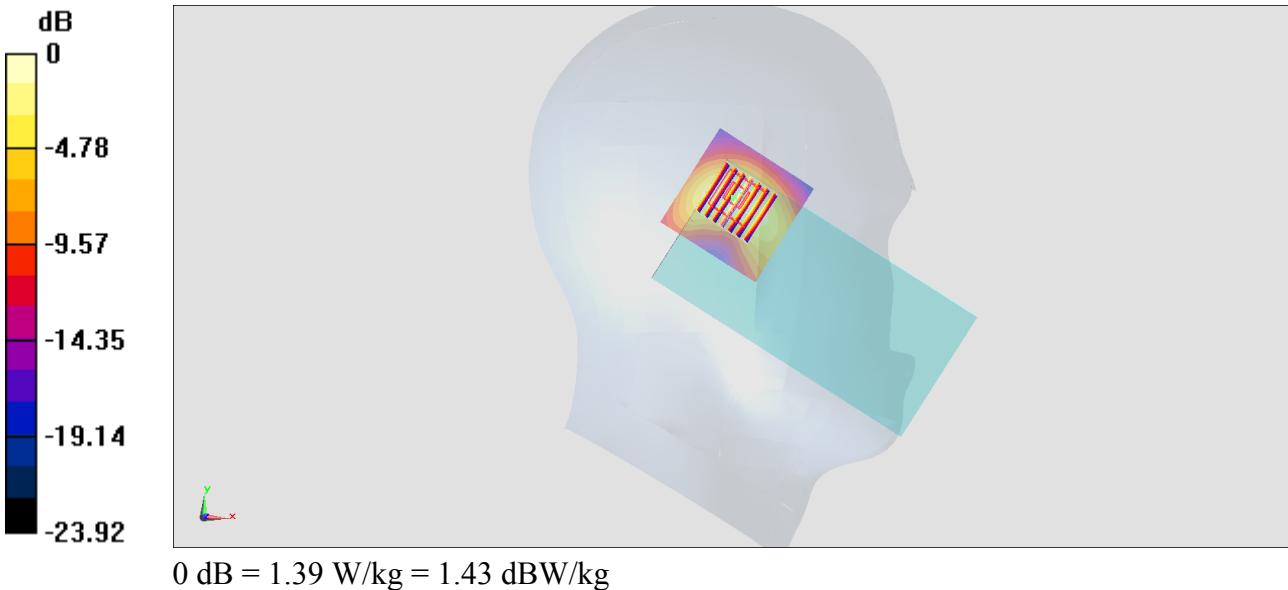
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.40 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 0.96 W/kg; SAR(10 g) = 0.518 W/kg

Maximum value of SAR (measured) = 1.39 W/kg



**#16\_WLAN5GHz\_802.11n-HT40 MCS0\_Left Cheek\_Ch46;Ant 1**

Communication System: 802.11n ; Frequency: 5230 MHz; Duty Cycle: 1:1.103

Medium: HSL\_5G\_181001 Medium parameters used:  $f = 5230 \text{ MHz}$ ;  $\sigma = 4.554 \text{ S/m}$ ;  $\epsilon_r = 36.97$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3642; ConvF(4.52, 4.52, 4.52); Calibrated: 2018/4/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (121x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

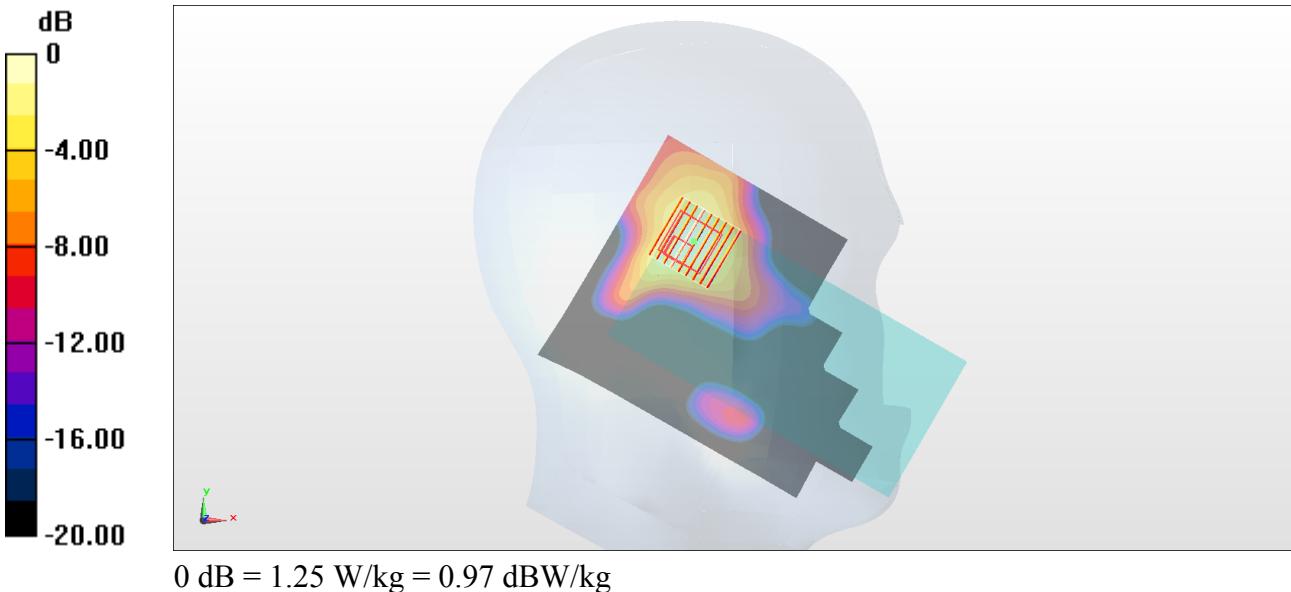
**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 17.85 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.85 W/kg

**SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.271 W/kg**

Maximum value of SAR (measured) = 1.63 W/kg



**#17\_WLAN5GHz\_802.11n-HT40 MCS0\_Left Cheek\_Ch54;Ant 1+2**

Communication System: 802.11n ; Frequency: 5270 MHz; Duty Cycle: 1:1.124

Medium: HSL\_5G\_181001 Medium parameters used:  $f = 5270 \text{ MHz}$ ;  $\sigma = 4.59 \text{ S/m}$ ;  $\epsilon_r = 36.936$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3642; ConvF(4.52, 4.52, 4.52); Calibrated: 2018/4/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (121x201x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.99 W/kg

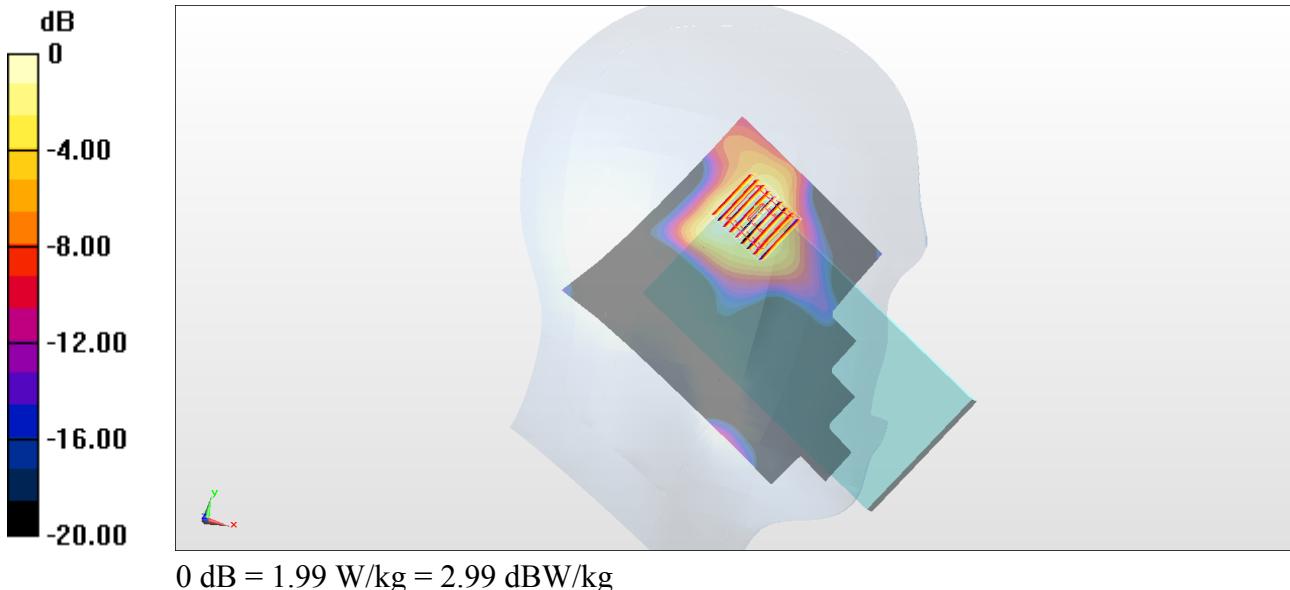
**Zoom Scan (9x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 21.23 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.47 W/kg

**SAR(1 g) = 0.96 W/kg; SAR(10 g) = 0.282 W/kg**

Maximum value of SAR (measured) = 2.21 W/kg



**#18\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Left Cheek\_Ch122;Ant 1+2**

Communication System: 802.11ac ; Frequency: 5610 MHz; Duty Cycle: 1:1.154

Medium: HSL\_5G\_181003 Medium parameters used:  $f = 5610 \text{ MHz}$ ;  $\sigma = 4.84 \text{ S/m}$ ;  $\epsilon_r = 36.401$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

## DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(4.11, 4.11, 4.11); Calibrated: 2018/4/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.32 W/kg

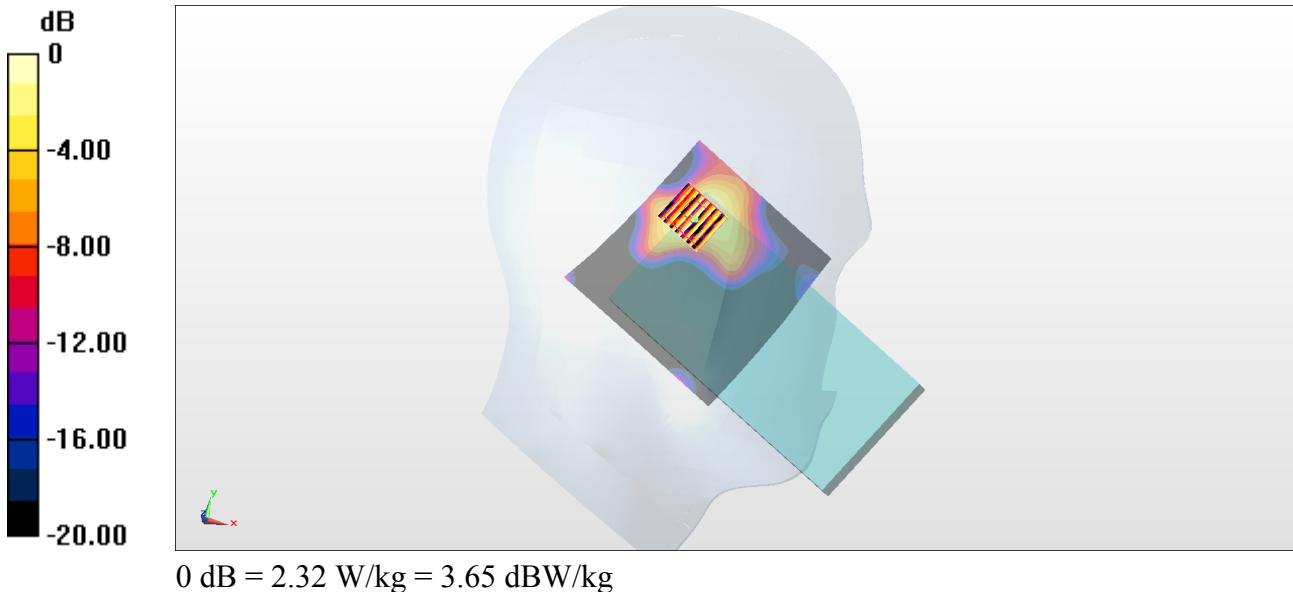
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.93 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.81 W/kg

**SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.313 W/kg**

Maximum value of SAR (measured) = 1.70 W/kg



**#19\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Left Cheek\_Ch155;Ant 1**

Communication System: 802.11ac ; Frequency: 5775 MHz; Duty Cycle: 1:1.151

Medium: HSL\_5G\_181001 Medium parameters used:  $f = 5775 \text{ MHz}$ ;  $\sigma = 5.095 \text{ S/m}$ ;  $\epsilon_r = 36.217$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(4.42, 4.42, 4.42); Calibrated: 2018/4/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (121x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.57 W/kg

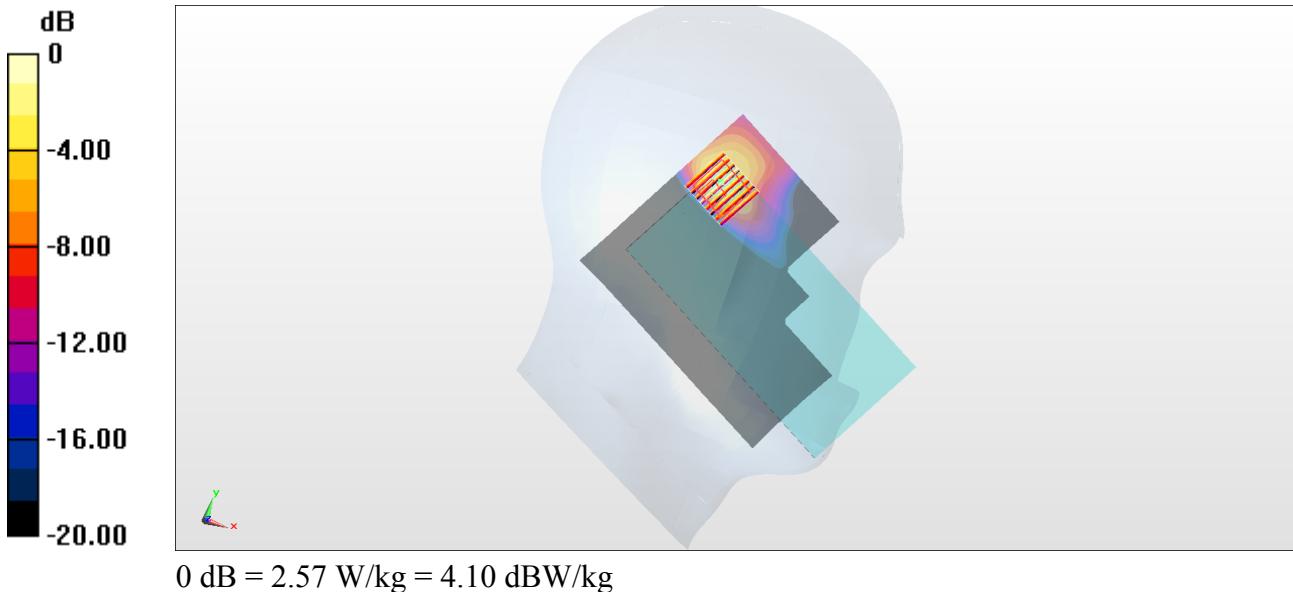
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 16.18 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.19 W/kg

**SAR(1 g) = 0.726 W/kg; SAR(10 g) = 0.279 W/kg**

Maximum value of SAR (measured) = 1.73 W/kg



**#20\_GSM850\_GPRS (4 Tx slots)\_Front\_10mm\_Ch251**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:2.08

Medium: MSL\_850\_180914 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.968$  S/m;  $\epsilon_r = 55.11$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C; Liquid Temperature : 22.7 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN7324; ConvF(9.41, 9.41, 9.41); Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.935 W/kg

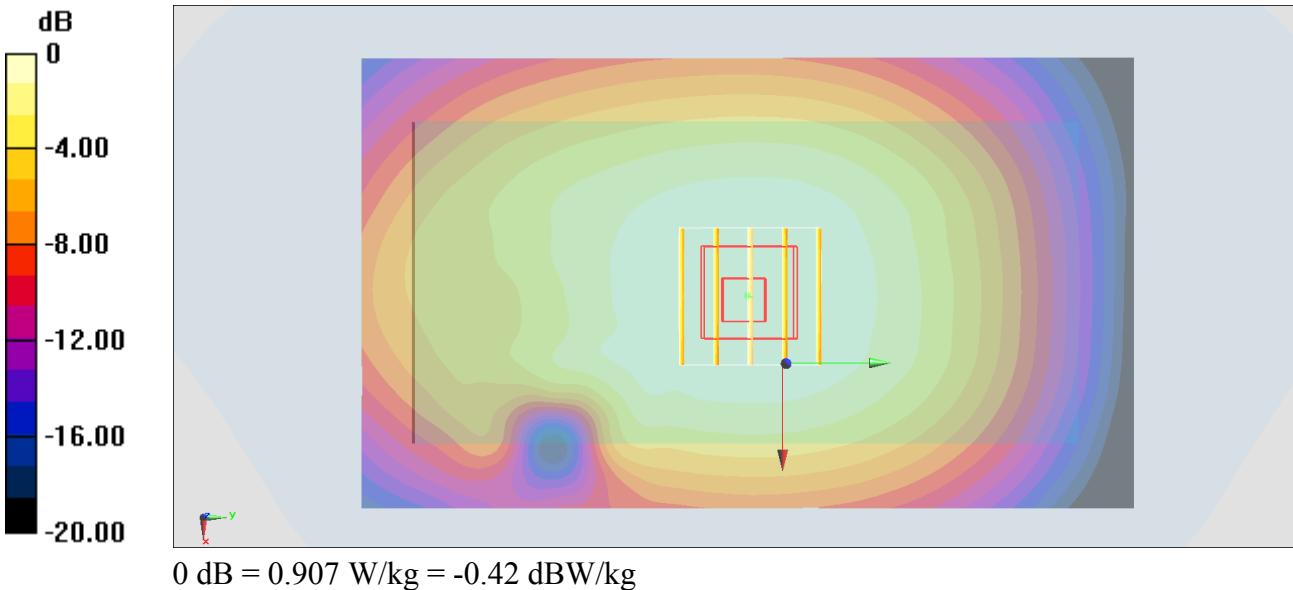
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.51 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.642 W/kg**

Maximum value of SAR (measured) = 0.907 W/kg



**#21\_GSM1900\_GPRS (2 Tx slots)\_Back\_10mm\_Ch810**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15  
Medium: MSL\_1900\_180918 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.576$  S/m;  $\epsilon_r = 54.305$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

## DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.25 W/kg

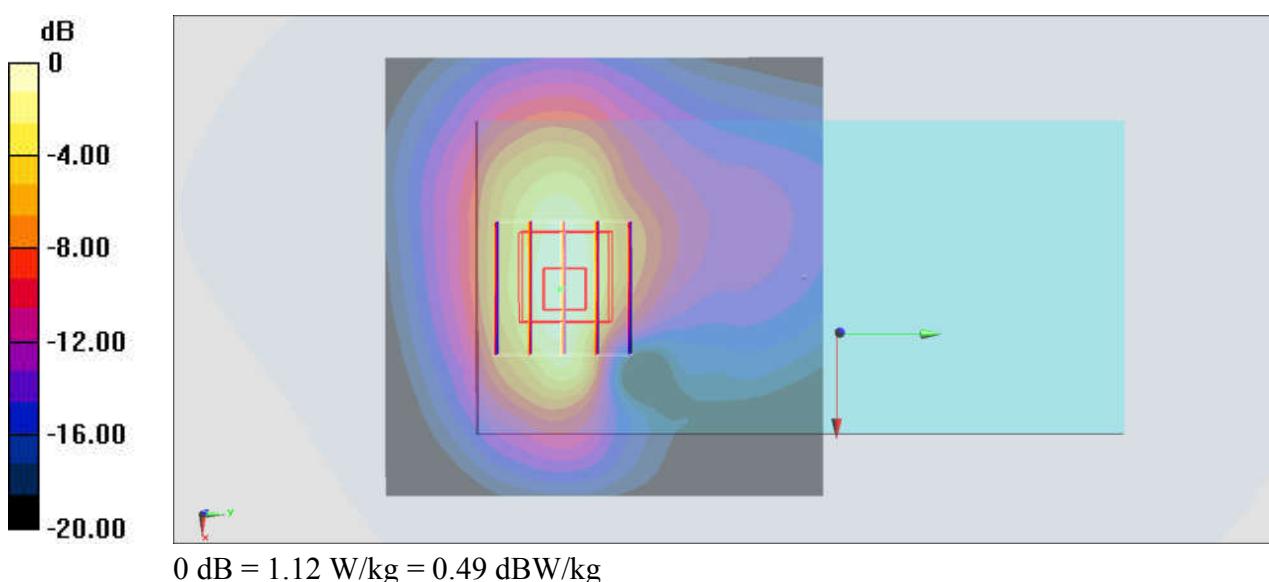
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.11 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.57 W/kg

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

Maximum value of SAR (measured) = 1.12 W/kg



## #22\_WCDMA II\_RMC 12.2Kbps\_Back\_10mm\_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_180918 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.538$  S/m;  $\epsilon_r = 54.411$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

### DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.28 W/kg

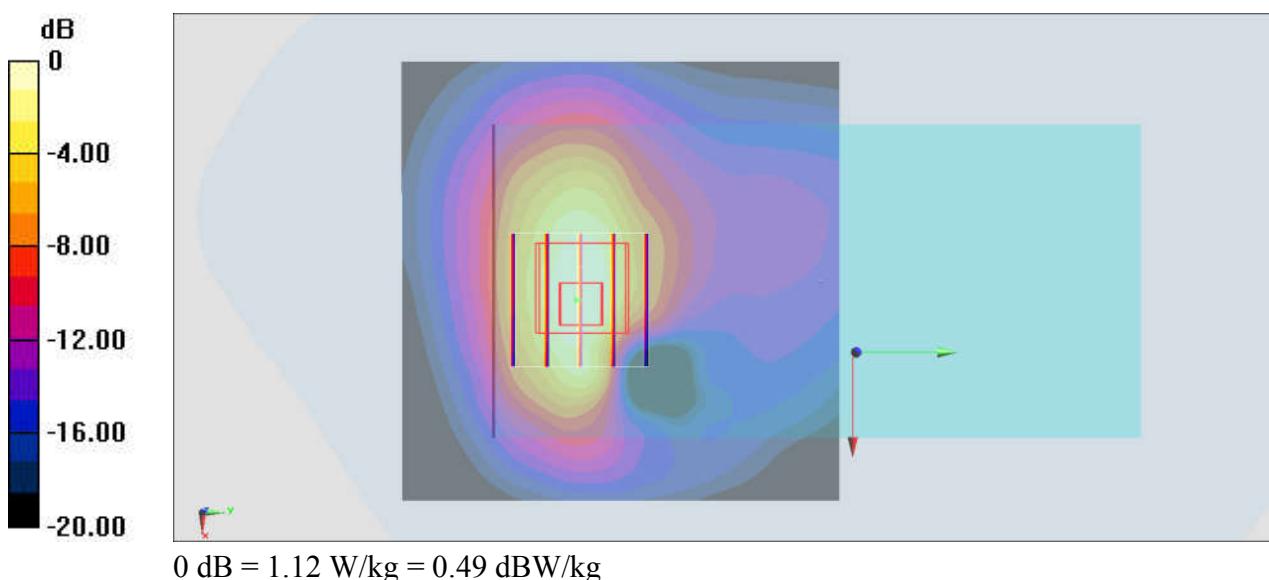
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.06 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.916 W/kg; SAR(10 g) = 0.494 W/kg**

Maximum value of SAR (measured) = 1.12 W/kg



## #23\_WCDMA IV\_RMC 12.2Kbps\_Back\_10mm\_Ch1312

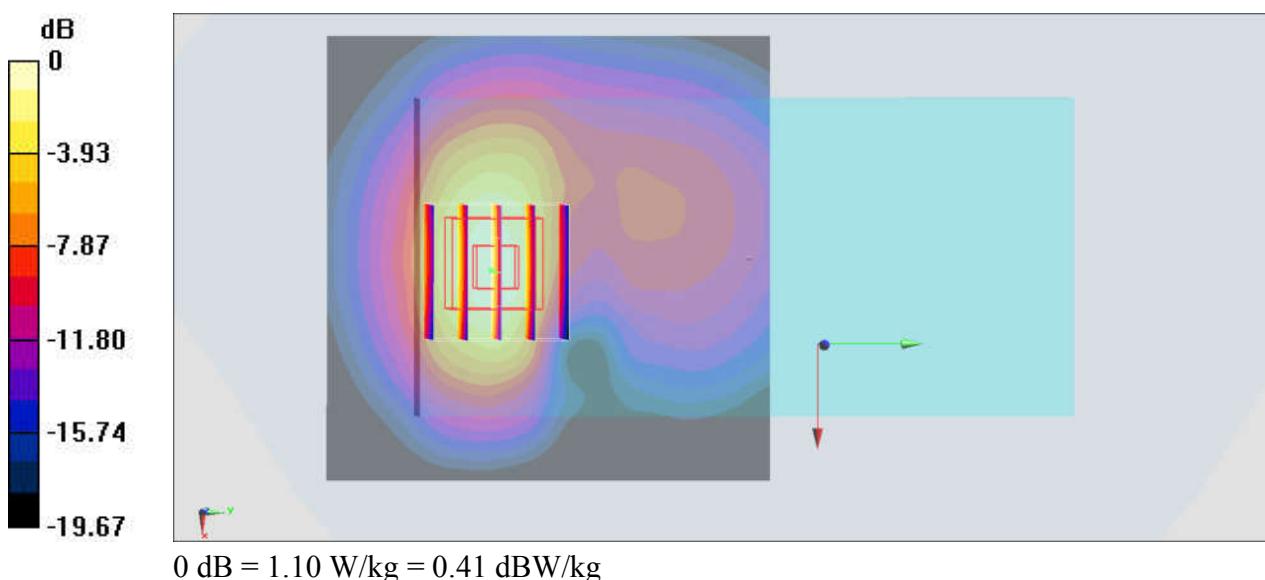
Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1750\_180918 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.477$  S/m;  $\epsilon_r = 54.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

## DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 1.14 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 ReferenceValue = 23.62 V/m; Power Drift = 0.16 dB  
 Peak SAR (extrapolated) = 1.48 W/kg  
**SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.488 W/kg**  
 Maximum value of SAR (measured) = 1.10 W/kg



## #24\_WCDMA V\_RMC 12.2Kbps\_Front\_10mm\_Ch4182

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

Medium: MSL\_850\_180912 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.956$  S/m;  $\epsilon_r = 54.96$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

## DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.09, 6.09, 6.09) ;Calibrated: 2017/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.620 W/kg

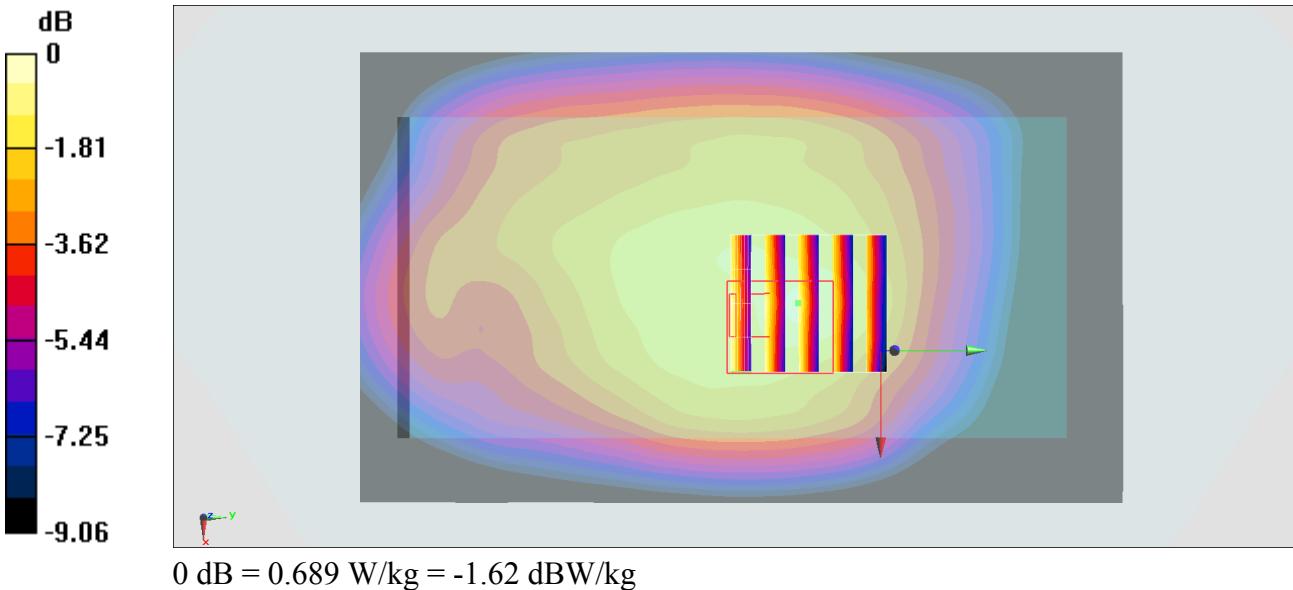
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.68 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.816 W/kg

**SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.457 W/kg**

Maximum value of SAR (measured) = 0.689 W/kg



## #25\_LTE Band 7\_20M\_QPSK\_1\_0\_Front\_10mm\_Ch21350;Battery 2

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_180917 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.141$  S/m;  $\epsilon_r = 52.614$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7324; ConvF(7.3, 7.3, 7.3); Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 1.74 W/kg

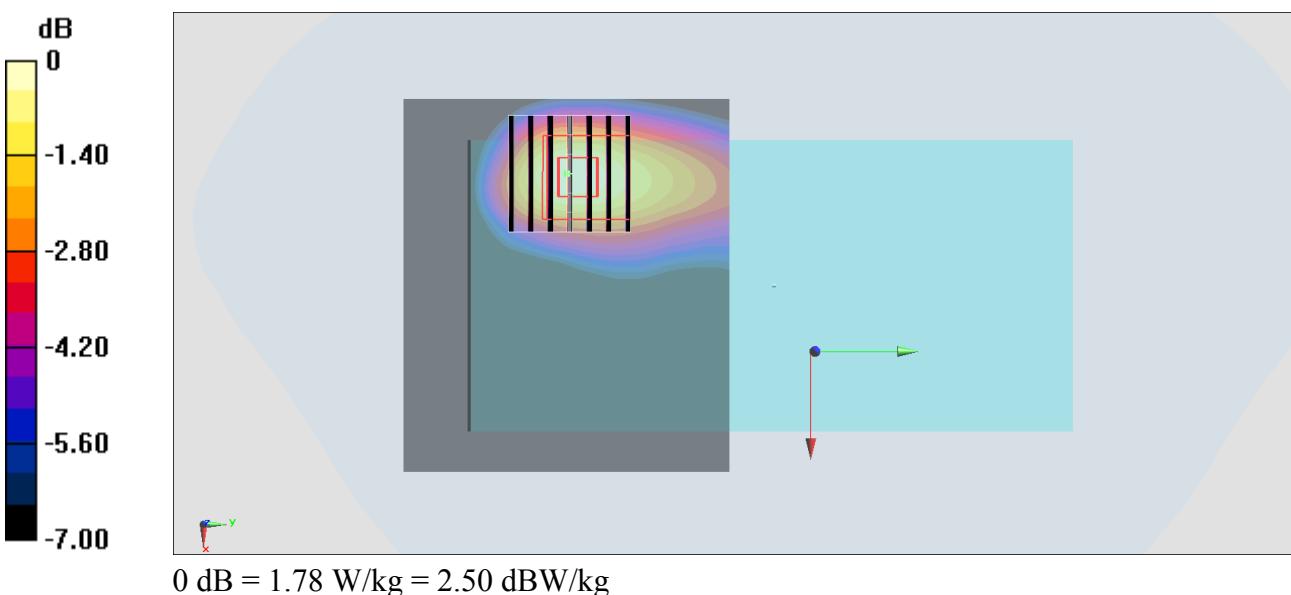
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.15 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.27 W/kg

**SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.584 W/kg**

Maximum value of SAR (measured) = 1.78 W/kg



**#26\_LTE Band 12\_10M\_QPSK\_1\_0\_Front\_10mm\_Ch23095;Battery 2**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_180910 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.099$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(10.06, 10.06, 10.06); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.742 W/kg

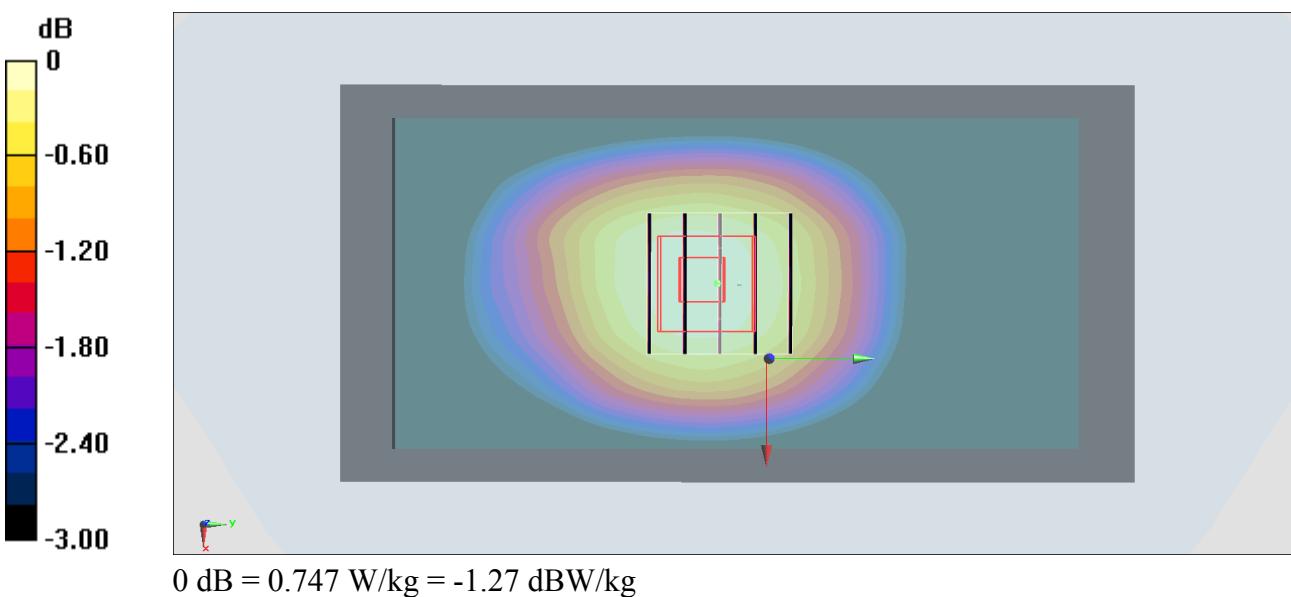
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.26 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.795 W/kg

SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.519 W/kg

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



**#27\_LTE Band 13\_10M\_QPSK\_1\_0\_Front\_10mm\_Ch23230**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_180910 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 1.004 \text{ S/m}$ ;  $\epsilon_r = 53.391$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(10.06, 10.06, 10.06); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.720 W/kg

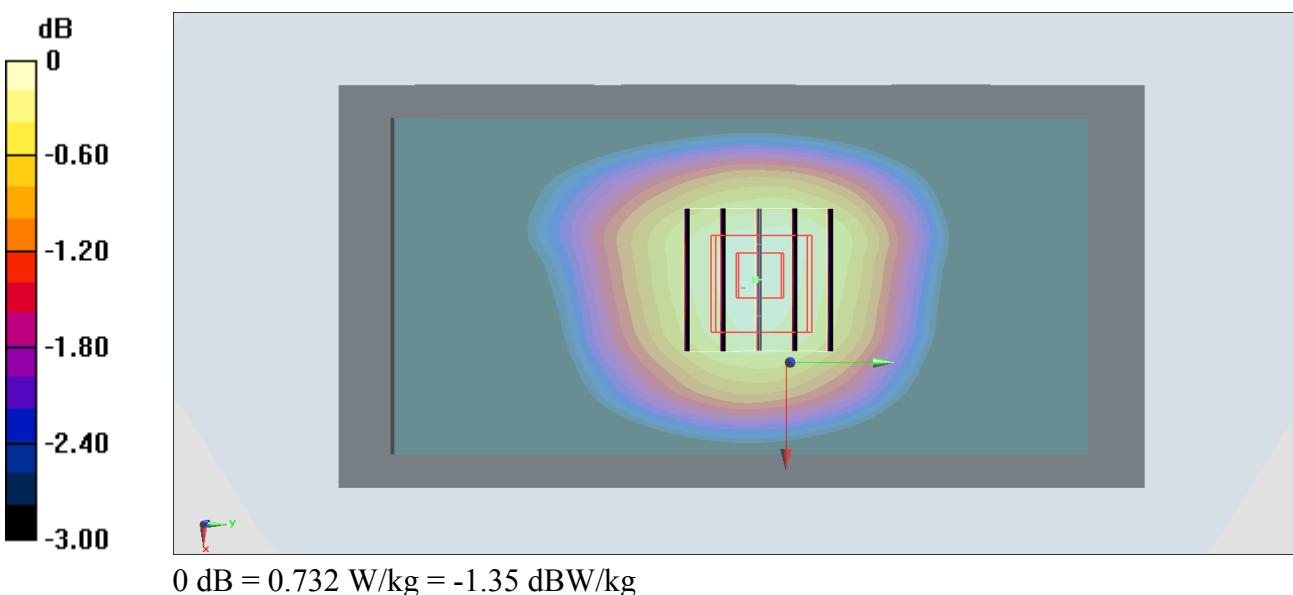
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.87 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.787 W/kg

**SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.491 W/kg**

Maximum value of SAR (measured) = 0.732 W/kg



**#28\_LTE Band 14\_10M\_QPSK\_1\_0\_Front\_10mm\_Ch23330**

Communication System: LTE ; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_180910 Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 1.015 \text{ S/m}$ ;  $\epsilon_r = 53.281$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306;ConvF(10.06, 10.06, 10.06) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.665 W/kg

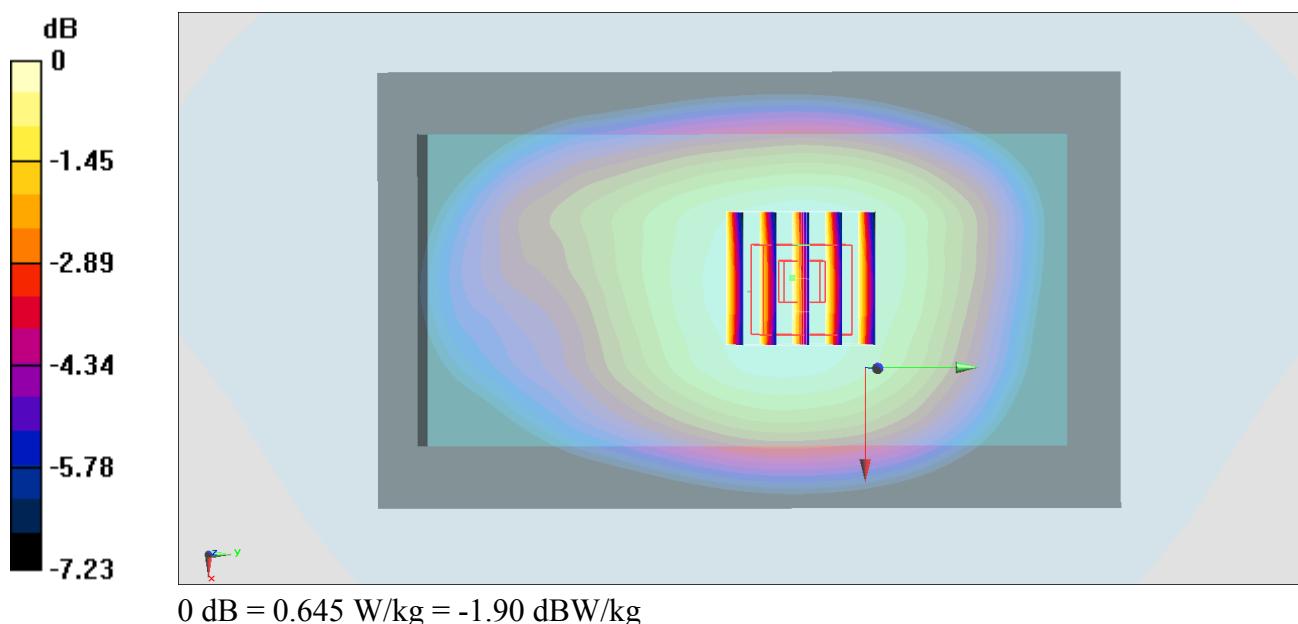
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.79 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.698 W/kg

SAR(1 g) = 0.556 W/kg; SAR(10 g) = 0.442 W/kg

Maximum value of SAR (measured) = 0.645 W/kg



**#29\_LTE Band 25\_20M\_QPSK\_50\_0\_Back\_10mm\_Ch26590**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_180918 Medium parameters used:  $f = 1905 \text{ MHz}$ ;  $\sigma = 1.57 \text{ S/m}$ ;  $\epsilon_r = 54.324$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8); Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

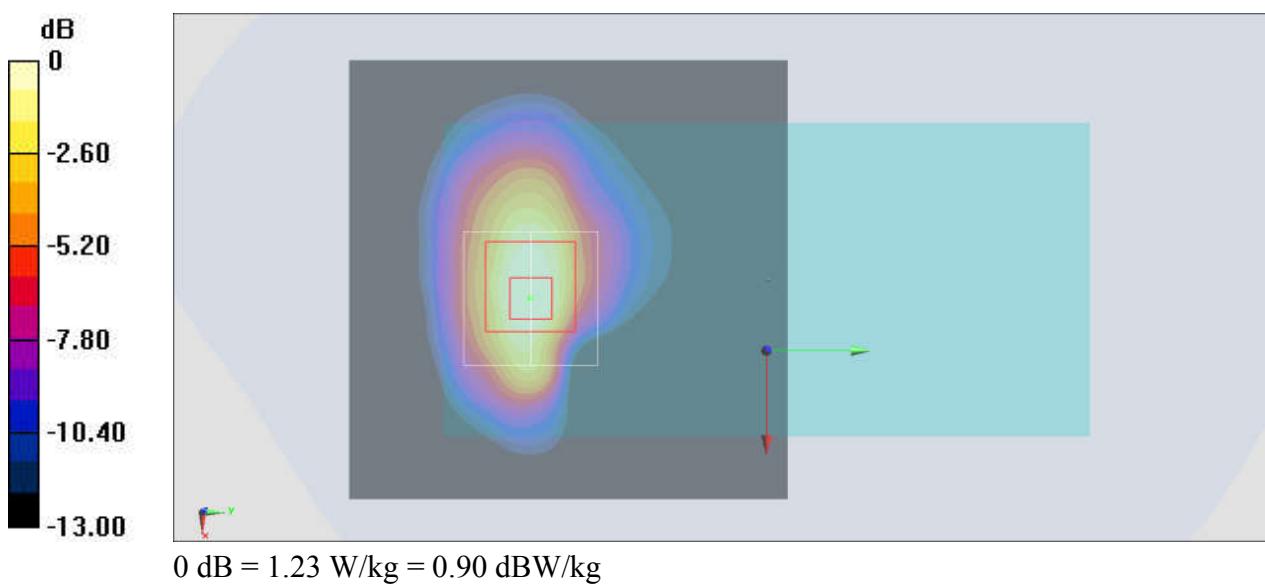
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.56 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.69 W/kg

**SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.533 W/kg**

Maximum value of SAR (measured) = 1.23 W/kg



**#30\_LTE Band 26\_15M\_QPSK\_1\_0\_Front\_10mm\_Ch26865**

Communication System: LTE ; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_180912 Medium parameters used:  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.951 \text{ S/m}$ ;  $\epsilon_r = 55.074$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.09, 6.09, 6.09) ;Calibrated: 2017/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.603 W/kg

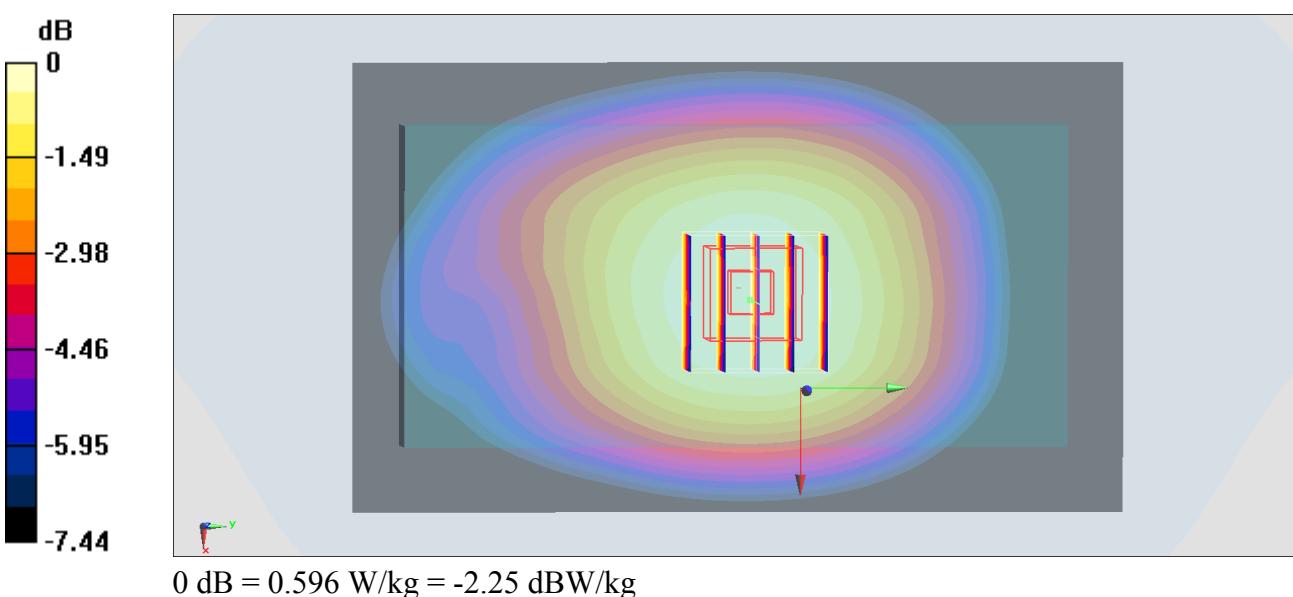
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.73 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.431 W/kg

Maximum value of SAR (measured) = 0.596 W/kg



**#31\_LTE Band 66\_20M\_QPSK\_50\_0\_Back\_10mm\_Ch132072**

Communication System: LTE ; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_180918 Medium parameters used:  $f = 1720 \text{ MHz}$ ;  $\sigma = 1.484 \text{ S/m}$ ;  $\epsilon_r = 54.24$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.922 W/kg

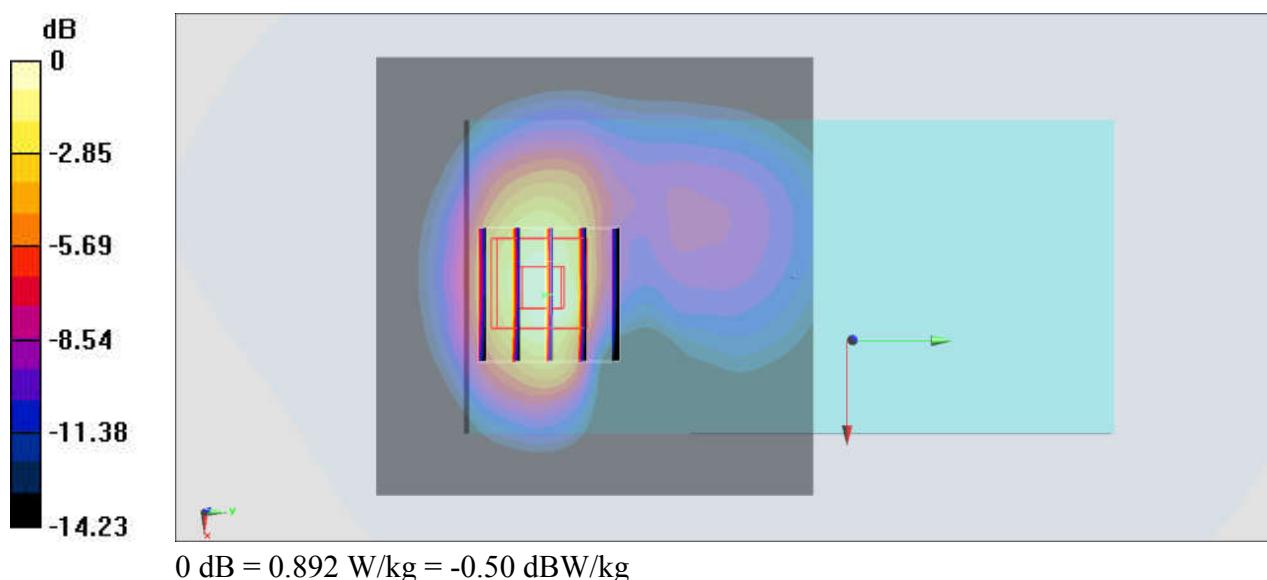
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.03 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.398 W/kg**

Maximum value of SAR (measured) = 0.892 W/kg



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

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

Medium: MSL\_2600\_180908 Medium parameters used:  $f = 2580$  MHz;  $\sigma = 2.197$  S/m;  $\epsilon_r = 52.83$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.19, 4.19, 4.19); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (61x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.16 W/kg

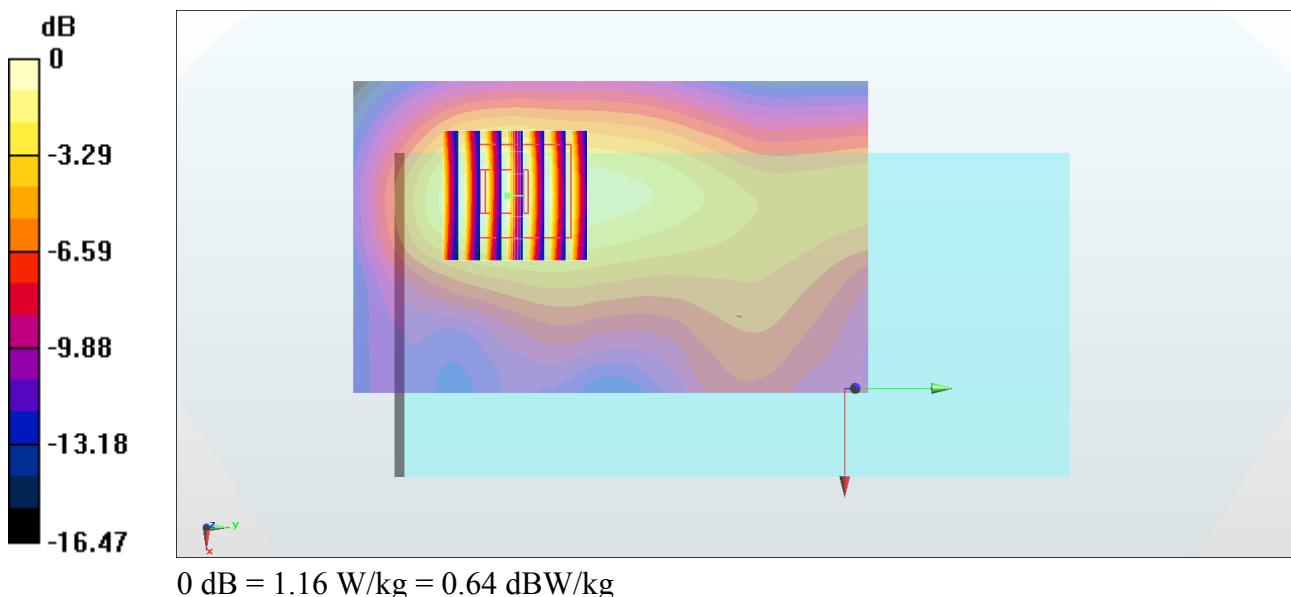
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.00 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.79 W/kg

**SAR(1 g) = 0.908 W/kg; SAR(10 g) = 0.470 W/kg**

Maximum value of SAR (measured) = 1.14 W/kg



## #33\_LTE Band 41\_20M\_QPSK\_1\_0\_Front\_10mm\_Ch41490

Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1.59

Medium: MSL\_2600\_180917 Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.308$  S/m;  $\epsilon_r = 52.153$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7324; ConvF(7.3, 7.3, 7.3); Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 1.22 W/kg

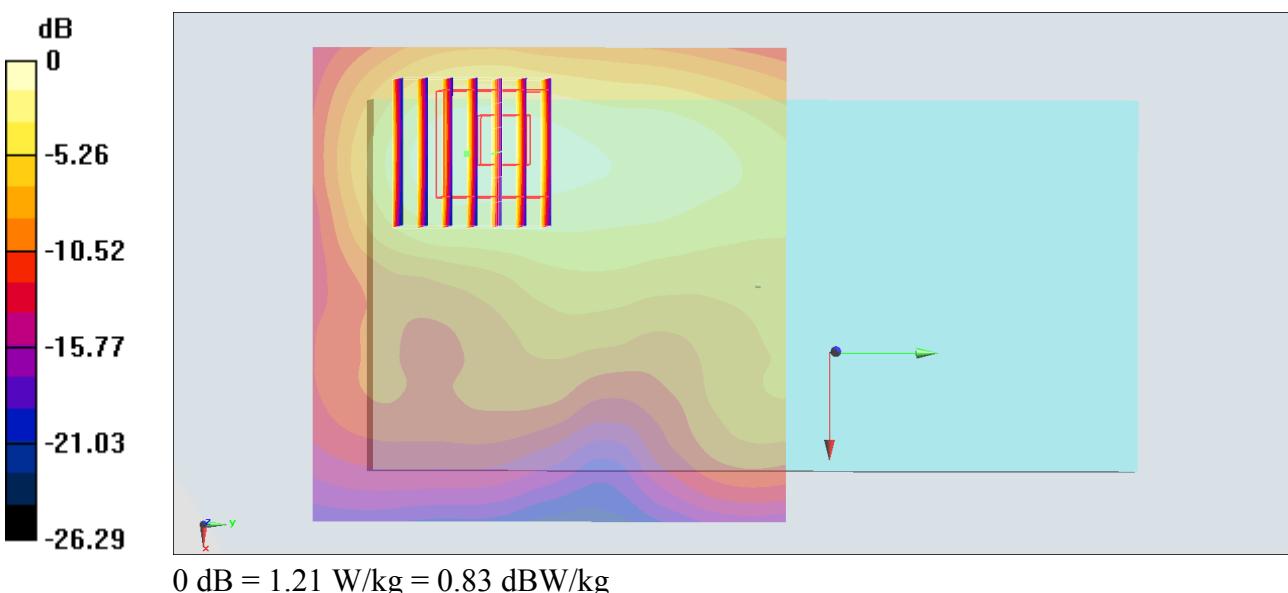
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.26 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.379 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



## #34\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_10mm\_Ch6;Ant 2

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1.01  
 Medium: MSL\_2450\_180927 Medium parameters used :  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.956 \text{ S/m}$ ;  $\epsilon_r = 51.217$ ;  $\rho = 1000 \text{ kg/m}^3$

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

### DASY5 Configuration:

- Probe: ES3DV3 - SN3169;ConvF(4.4, 4.4, 4.4) ;Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

### Area Scan (81x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.646 W/kg

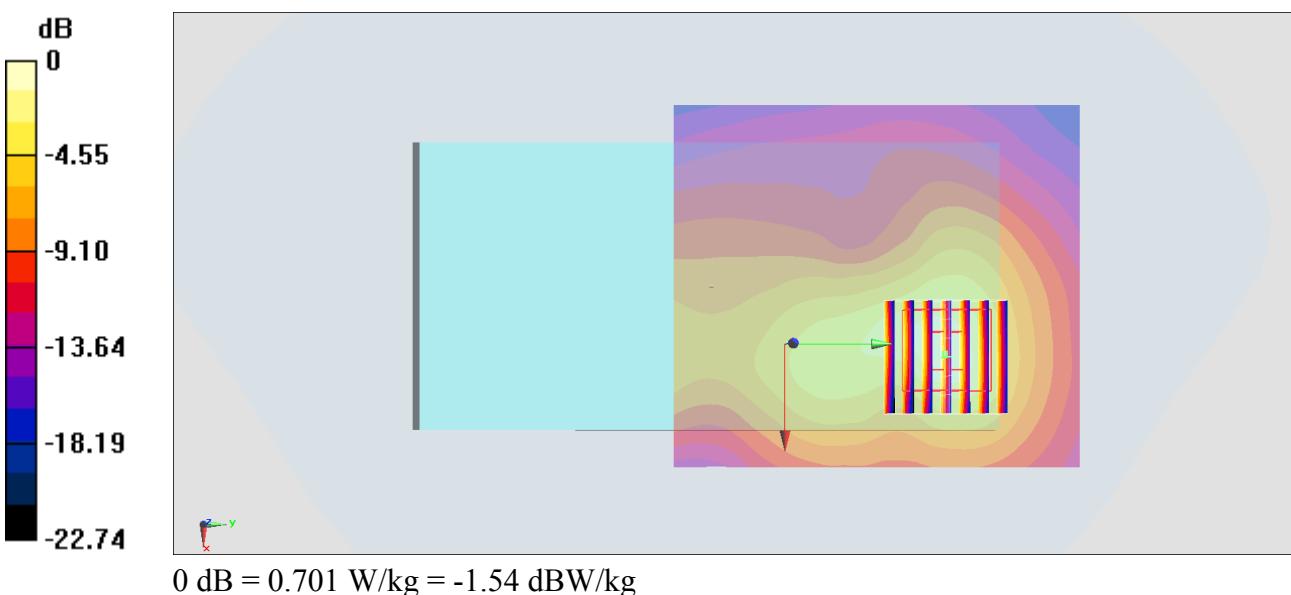
### Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.90 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.550 W/kg; SAR(10 g) = 0.266 W/kg**

Maximum value of SAR (measured) = 0.701 W/kg



**#35\_WLAN5GHz\_802.11a 6Mbps\_Back\_10mm\_Ch36;Ant 1+2**

Communication System: 802.11a ; Frequency: 5180 MHz; Duty Cycle: 1:1.049

Medium: MSL\_5G\_181003 Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 5.063 \text{ S/m}$ ;  $\epsilon_r = 50.118$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3642; ConvF(3.87, 3.87, 3.87); Calibrated: 2018/4/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (121x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.75 W/kg

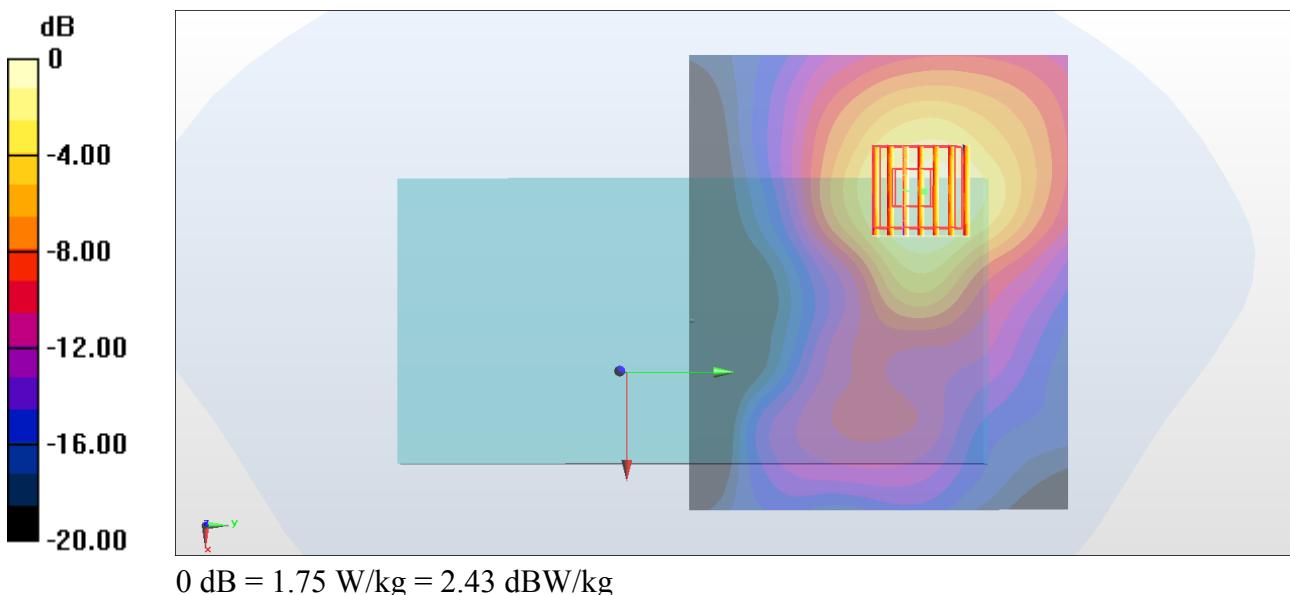
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 17.67 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.81 W/kg

**SAR(1 g) = 0.905 W/kg; SAR(10 g) = 0.375 W/kg**

Maximum value of SAR (measured) = 1.86 W/kg



## #36\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Side\_10mm\_Ch155;Ant 1+2

Communication System: 802.11ac ; Frequency: 5775 MHz; Duty Cycle: 1:1.154

Medium: MSL\_5G\_181003 Medium parameters used:  $f = 5775 \text{ MHz}$ ;  $\sigma = 5.882 \text{ S/m}$ ;  $\epsilon_r = 49.147$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3642; ConvF(3.73, 3.73, 3.73); Calibrated: 2018/4/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (81x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.21 W/kg

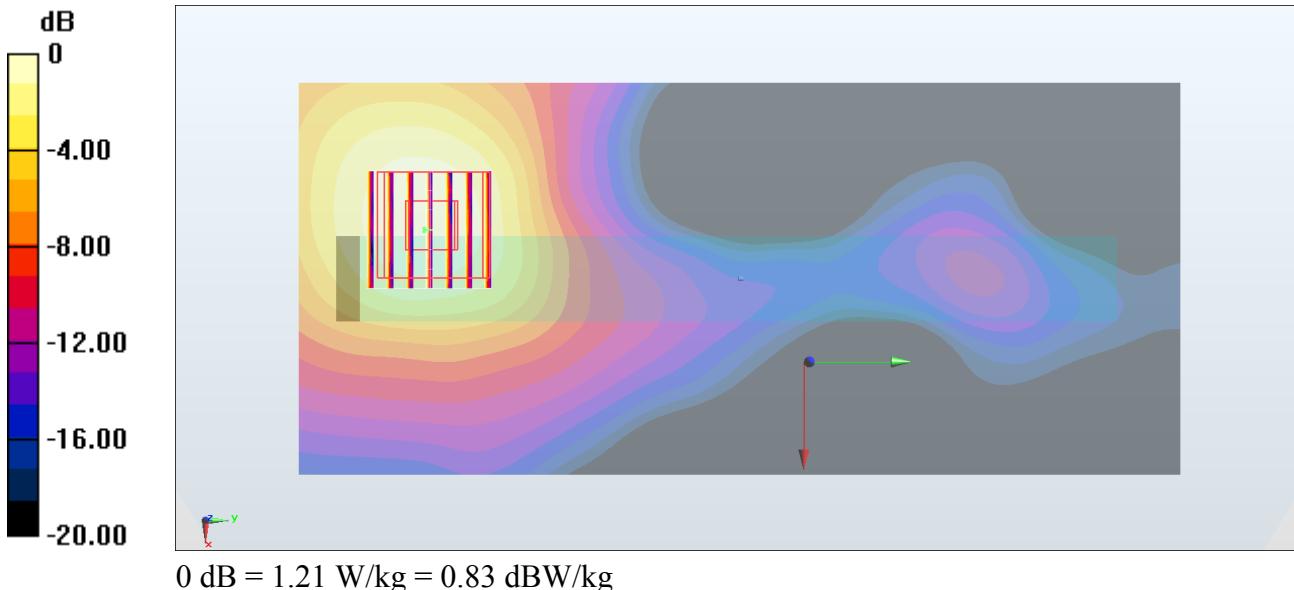
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.39 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.32 W/kg

**SAR(1 g) = 0.628 W/kg; SAR(10 g) = 0.257 W/kg**

Maximum value of SAR (measured) = 1.36 W/kg



**#37\_GSM850\_GPRS (4 Tx slots)\_Front\_0mm\_Ch189**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:2.08

Medium: MSL\_850\_180912 Medium parameters used :  $f = 836.4 \text{ MHz}$ ;  $\sigma = 0.956 \text{ S/m}$ ;  $\epsilon_r = 54.96$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

## DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.09, 6.09, 6.09); Calibrated: 2017/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.735 W/kg

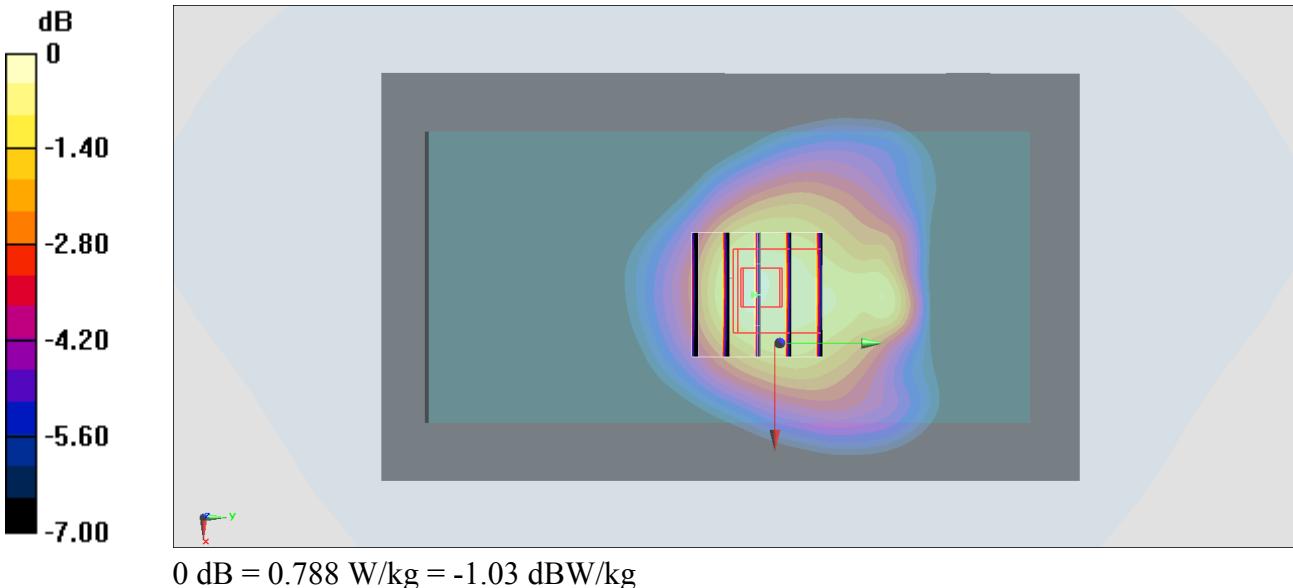
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.21 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.983 W/kg

**SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.473 W/kg**

Maximum value of SAR (measured) = 0.788 W/kg



**#38\_GSM1900\_GPRS (4 Tx slots)\_Front\_0mm\_Ch661**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:2.08

Medium: MSL\_1900\_180919 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.55 \text{ S/m}$ ;  $\epsilon_r = 54.281$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8); Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x71x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.327 W/kg

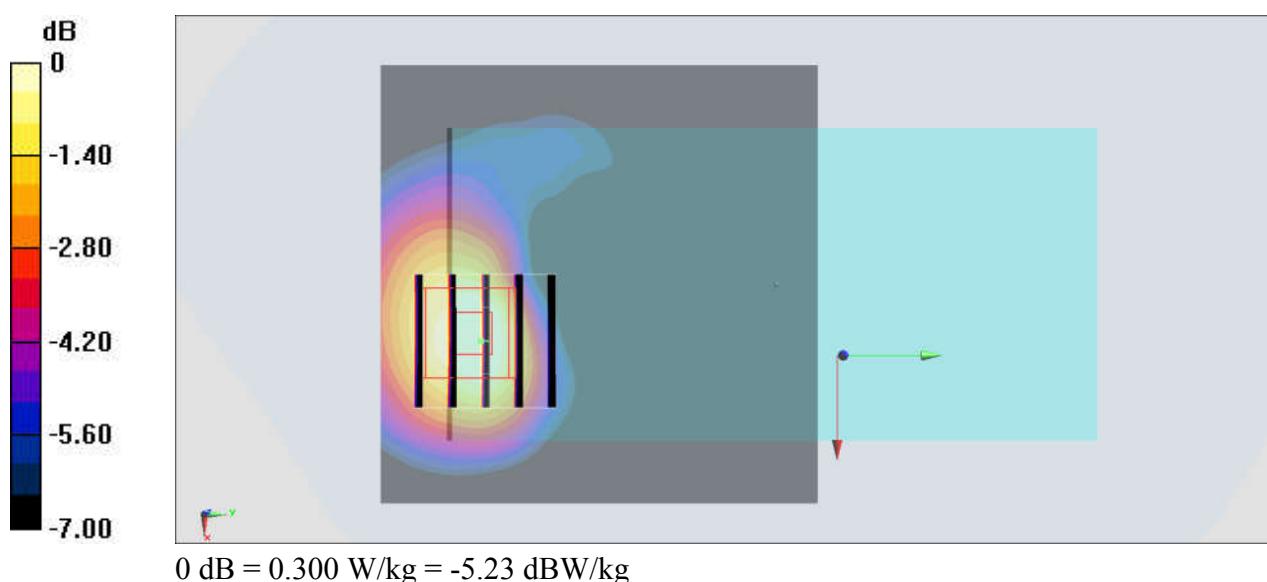
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.55 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.392 W/kg

**SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.157 W/kg**

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



**#39\_WCDMA II\_RMC 12.2Kbps\_Front\_0mm\_Ch9400**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_180919 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.538$  S/m;  $\epsilon_r = 54.411$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

## DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.498 W/kg

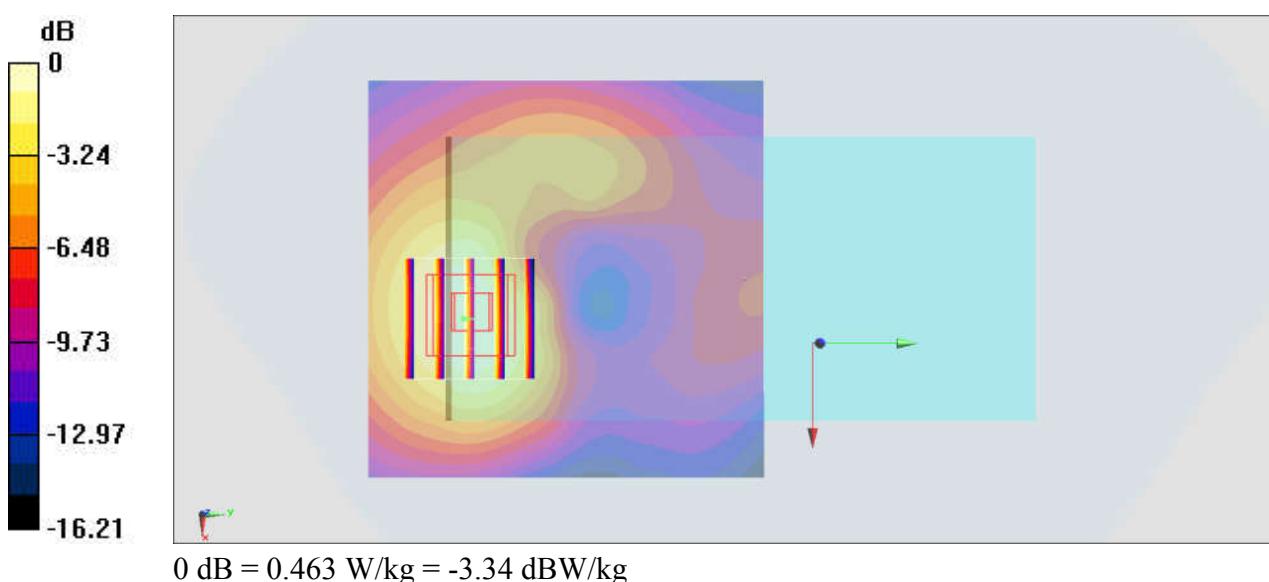
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.90 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.608 W/kg

**SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.244 W/kg**

Maximum value of SAR (measured) = 0.463 W/kg



## #40\_WCDMA IV\_RMC 12.2Kbps\_Front\_0mm\_Ch1312

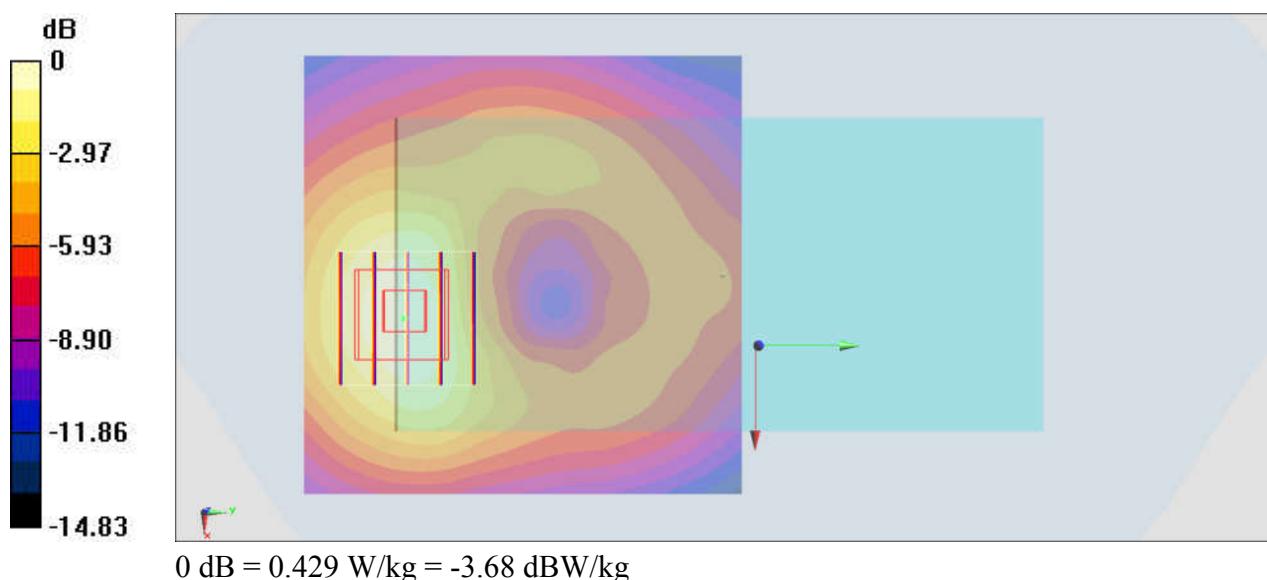
Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1750\_180920 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.401$  S/m;  $\epsilon_r = 53.481$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

### DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.435 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 14.37 V/m; Power Drift = 0.05 dB  
 Peak SAR (extrapolated) = 0.551 W/kg  
**SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.230 W/kg**  
 Maximum value of SAR (measured) = 0.429 W/kg



**#41\_WCDMA V\_RMC 12.2Kbps\_Front\_0mm\_Ch4182;Battery 2**

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

Medium: MSL\_850\_180912 Medium parameters used :  $f = 836.4 \text{ MHz}$ ;  $\sigma = 0.956 \text{ S/m}$ ;  $\epsilon_r = 54.96$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.09, 6.09, 6.09); Calibrated: 2017/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

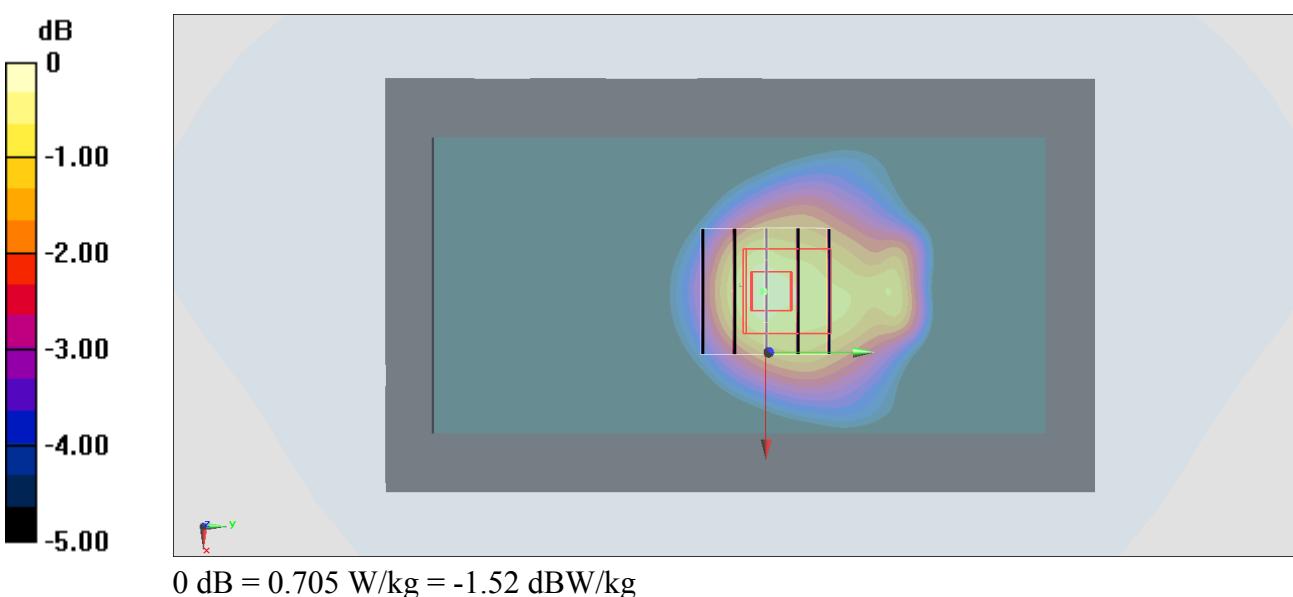
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.39 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.852 W/kg

**SAR(1 g) = 0.605 W/kg; SAR(10 g) = 0.424 W/kg**

Maximum value of SAR (measured) = 0.705 W/kg



## #42\_LTE Band 7\_20M\_QPSK\_1\_0\_Front\_0mm\_Ch21350

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_180917 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.141$  S/m;  $\epsilon_r = 52.614$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration:

- Probe: EX3DV4 - SN7324; ConvF(7.3, 7.3, 7.3); Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.638 W/kg

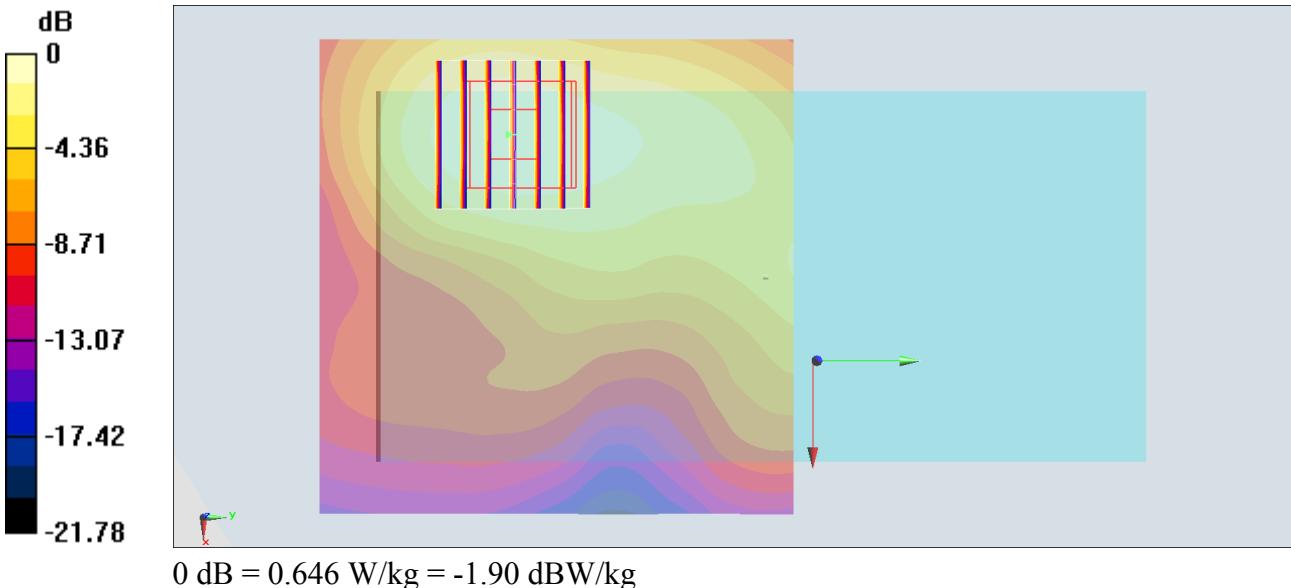
### Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.72 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.811 W/kg

**SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.224 W/kg**

Maximum value of SAR (measured) = 0.646 W/kg



## #43\_LTE Band 12\_10M\_QPSK\_1\_0\_Front\_0mm\_Ch23095

Communication System: LTE ; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_180910 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.099$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(10.06, 10.06, 10.06) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.831 W/kg

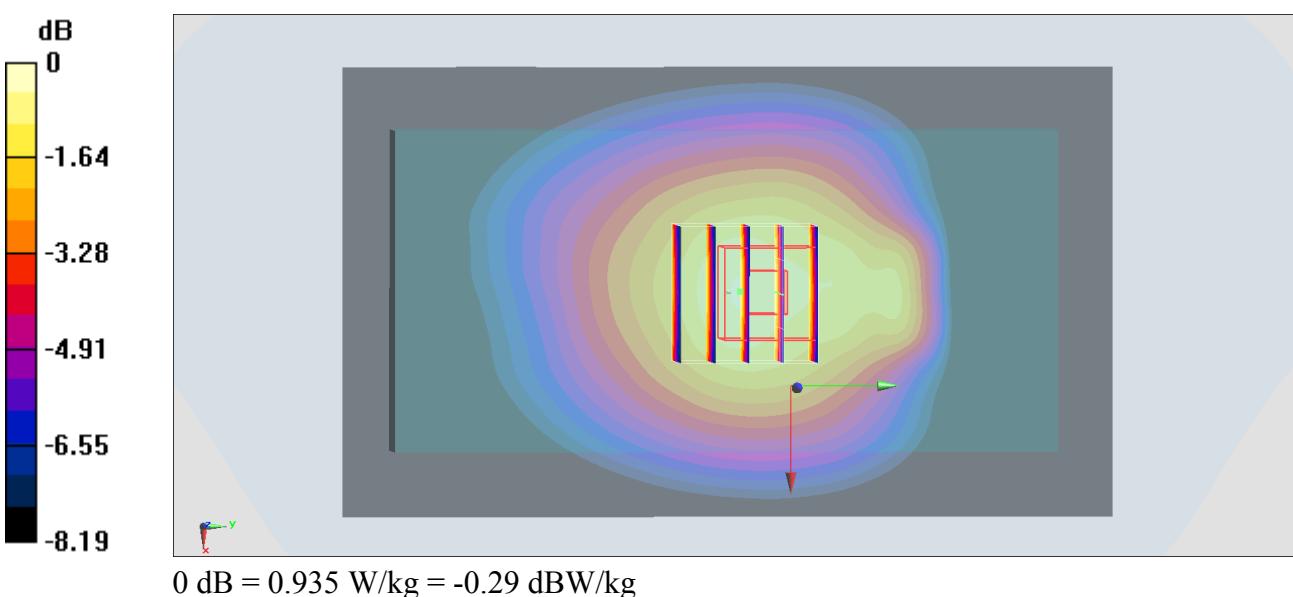
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.98 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.758 W/kg; SAR(10 g) = 0.557 W/kg

Maximum value of SAR (measured) = 0.935 W/kg



**#44\_LTE Band 13\_10M\_QPSK\_1\_0\_Front\_0mm\_Ch23230**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_180910 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 1.004 \text{ S/m}$ ;  $\epsilon_r = 53.391$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(10.06, 10.06, 10.06); Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

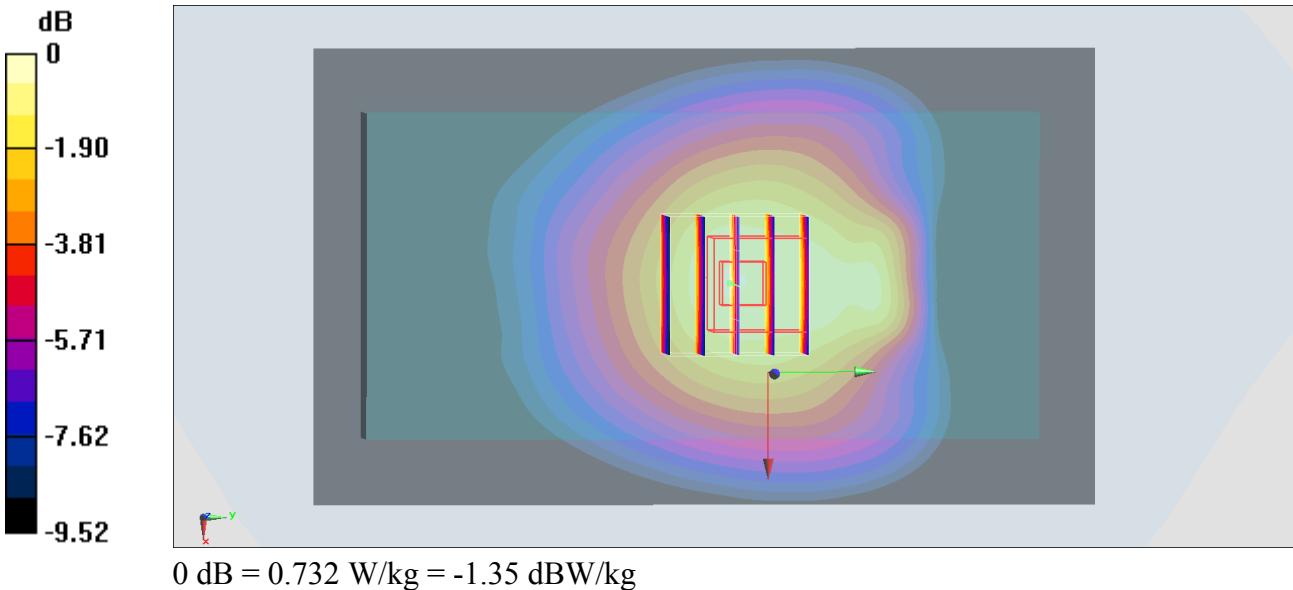
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.97 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.804 W/kg

**SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.413 W/kg**

Maximum value of SAR (measured) = 0.732 W/kg



**#45\_LTE Band 14\_10M\_QPSK\_1\_0\_Front\_0mm\_Ch23330**

Communication System: LTE ; Frequency: 793 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_180910 Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 1.015 \text{ S/m}$ ;  $\epsilon_r = 53.281$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(10.06, 10.06, 10.06) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

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

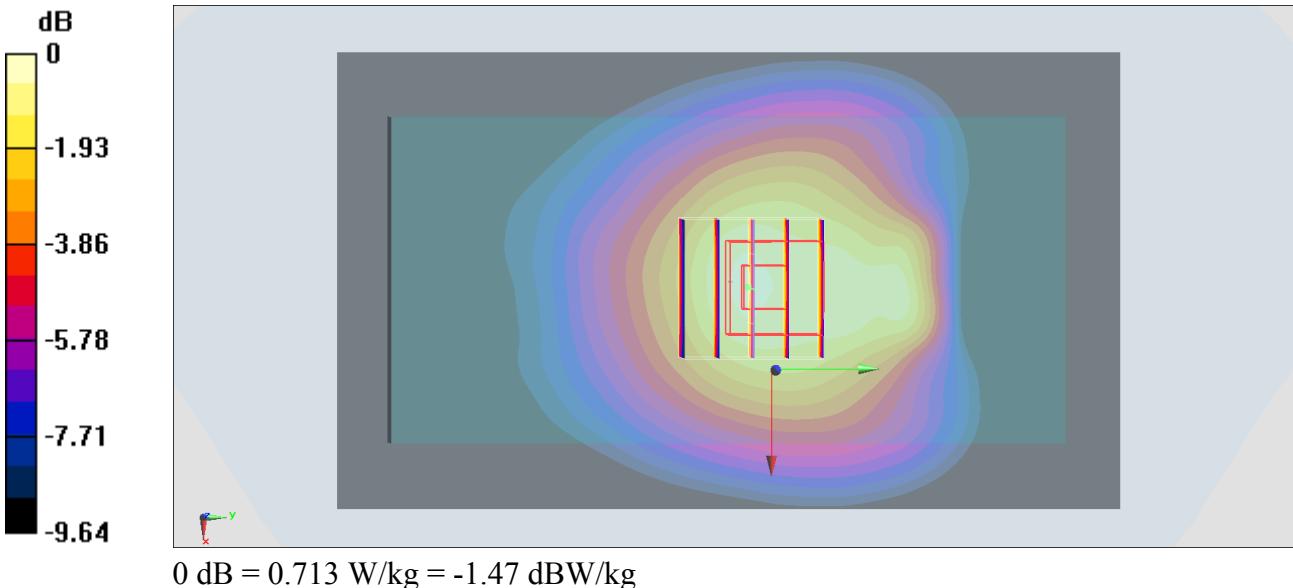
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.73 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.792 W/kg

**SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.411 W/kg**

Maximum value of SAR (measured) = 0.713 W/kg



## #46\_LTE Band 25\_20M\_QPSK\_1\_0\_Front\_0mm\_Ch26140

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

Medium: MSL\_1900\_180919 Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.524 \text{ S/m}$ ;  $\epsilon_r = 54.341$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x71x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

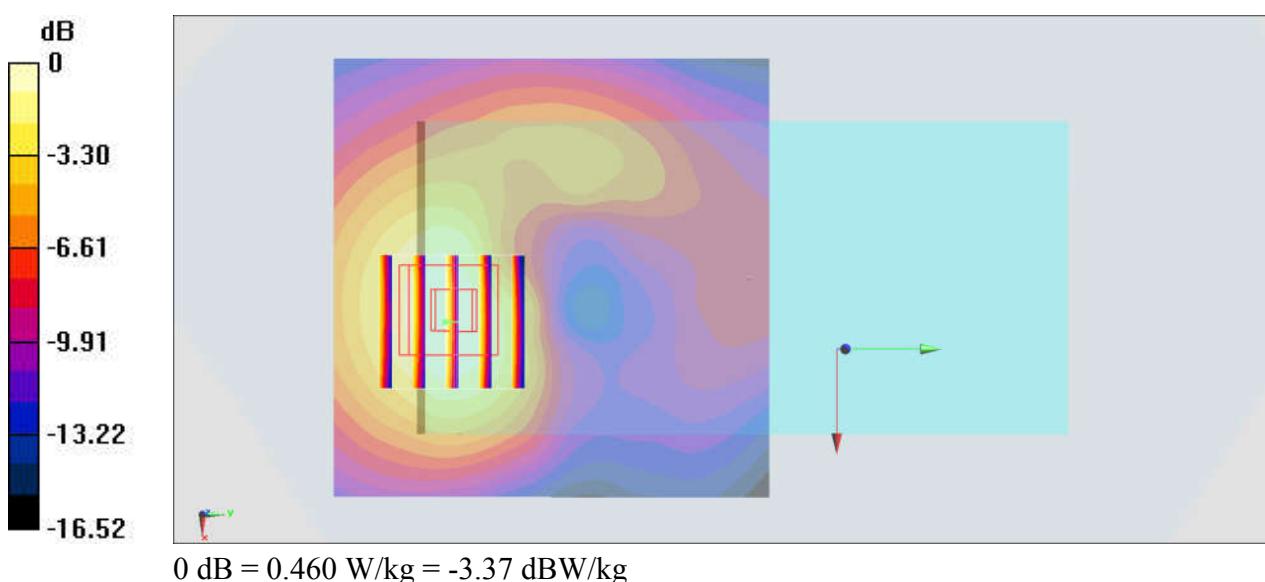
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 15.20 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.607 W/kg

**SAR(1 g) = 0.397 W/kg; SAR(10 g) = 0.242 W/kg**

Maximum value of SAR (measured) = 0.460 W/kg



**#47\_LTE Band 26\_15M\_QPSK\_1\_0\_Front\_0mm\_Ch26865**

Communication System: LTE ; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_180912 Medium parameters used:  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.951 \text{ S/m}$ ;  $\epsilon_r = 55.074$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.09, 6.09, 6.09) ;Calibrated: 2017/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.586 W/kg

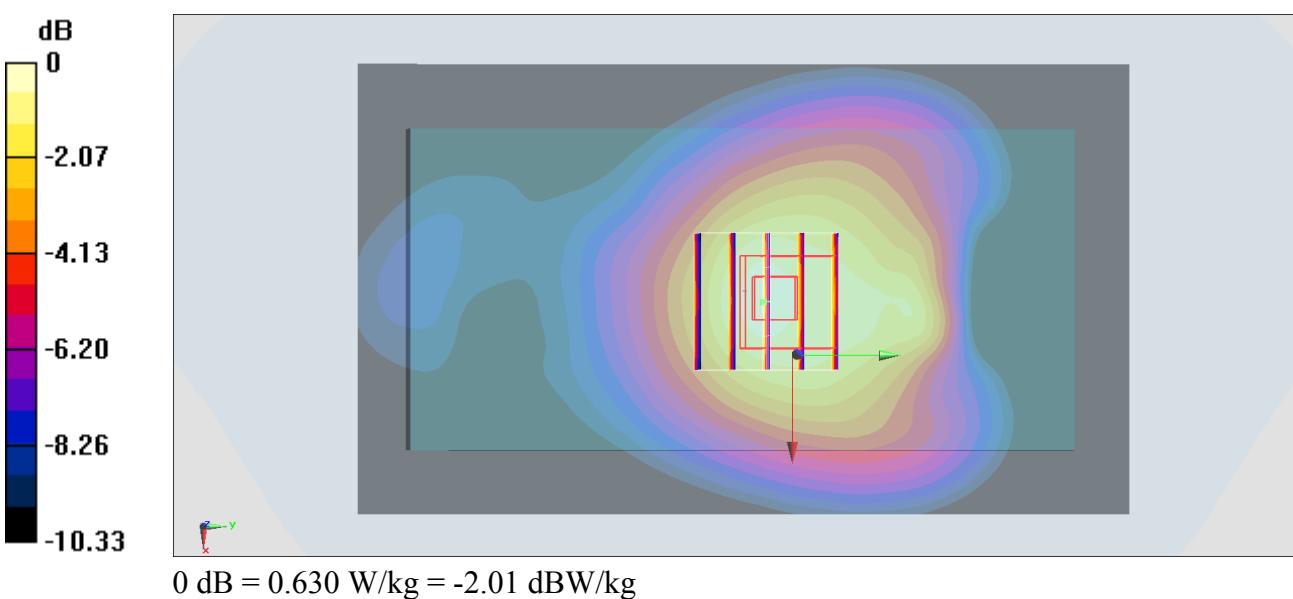
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.75 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.755 W/kg

SAR(1 g) = 0.550 W/kg; SAR(10 g) = 0.388 W/kg

Maximum value of SAR (measured) = 0.630 W/kg



**#48\_LTE Band 66\_20M\_QPSK\_1\_0\_Front\_0mm\_Ch132072**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL\_1750\_180920 Medium parameters used:  $f = 1720 \text{ MHz}$ ;  $\sigma = 1.408 \text{ S/m}$ ;  $\epsilon_r = 53.46$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1431
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x71x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.370 W/kg

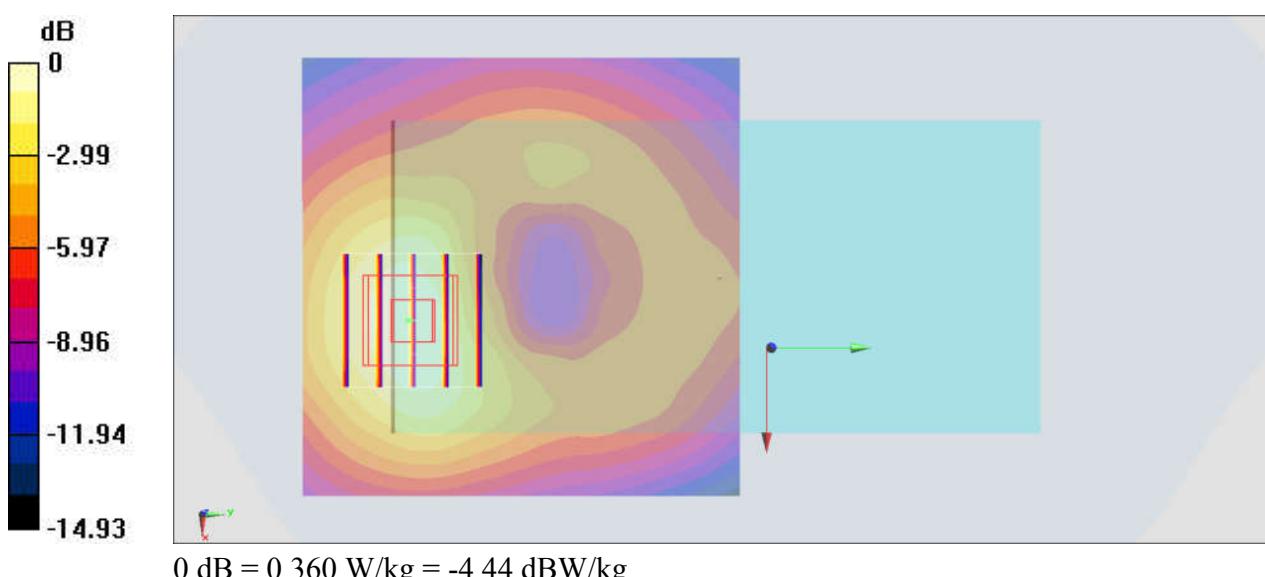
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.82 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.460 W/kg

**SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.194 W/kg**

Maximum value of SAR (measured) = 0.360 W/kg



**#49\_LTE Band 38\_20M\_QPSK\_1\_0\_Front\_0mm\_Ch37850**

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

Medium: MSL\_2600\_180908 Medium parameters used:  $f = 2580$  MHz;  $\sigma = 2.197$  S/m;  $\epsilon_r = 52.83$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(4.19, 4.19, 4.19); Calibrated: 2017/9/25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (61x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.630 W/kg

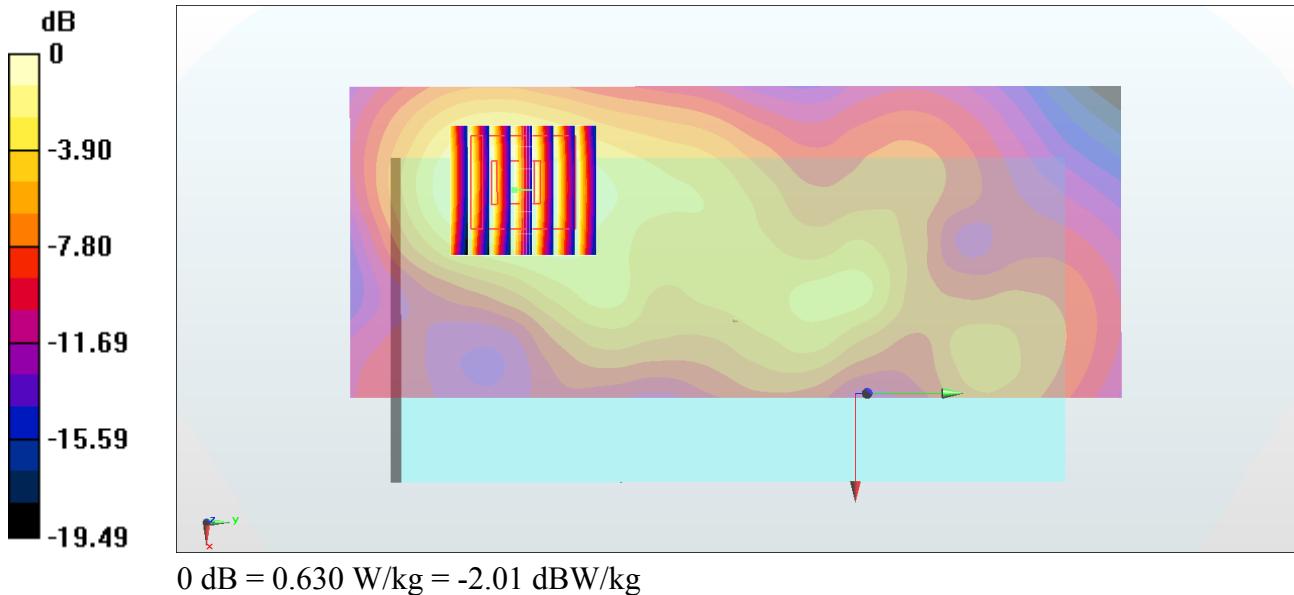
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.01 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.356 W/kg

Maximum value of SAR (measured) = 0.826 W/kg



**#50\_LTE Band 41\_20M\_QPSK\_1\_0\_Front\_0mm\_Ch41490**

Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1.59

Medium: MSL\_2600\_180917 Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.308$  S/m;  $\epsilon_r = 52.153$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7324; ConvF(7.3, 7.3, 7.3); Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

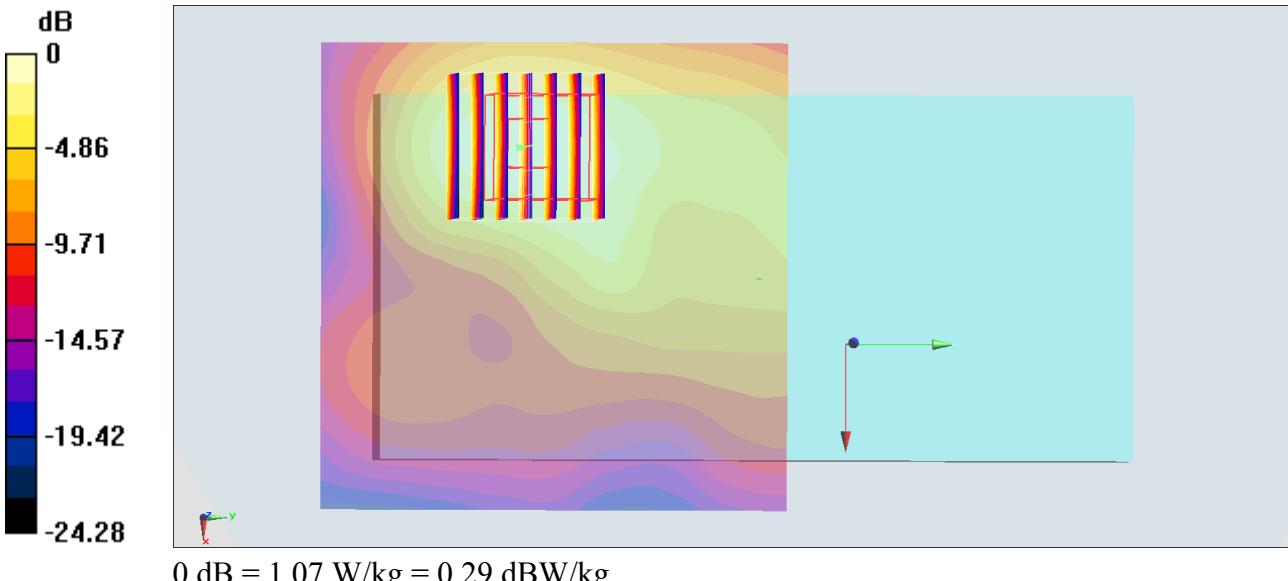
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.87 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.336 W/kg**

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



**#51\_WLAN2.4GHz\_802.11b 1Mbps\_Front\_0mm\_Ch6;Ant 1+2**

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1.01  
 Medium: MSL\_2450\_180927 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 1.956$  S/m;  $\epsilon_r = 51.217$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169;ConvF(4.4, 4.4, 4.4) ;Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

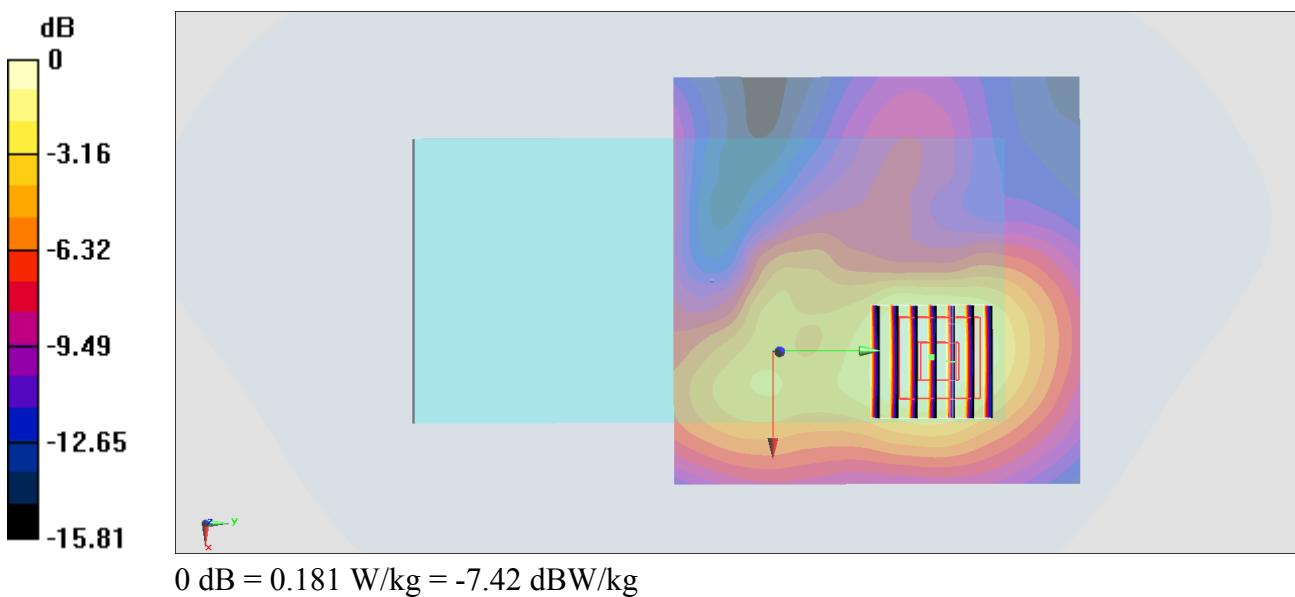
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.885 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.181 W/kg



**#52\_WLAN5GHz\_802.11n-HT40 MCS0\_Front\_0mm\_Ch54;Ant 1+2**

Communication System: 802.11n ; Frequency: 5270 MHz; Duty Cycle: 1:1.124

Medium: MSL\_5G\_181003 Medium parameters used:  $f = 5270 \text{ MHz}$ ;  $\sigma = 5.182 \text{ S/m}$ ;  $\epsilon_r = 49.972$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3642; ConvF(3.87, 3.87, 3.87); Calibrated: 2018/4/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (121x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.306 W/kg

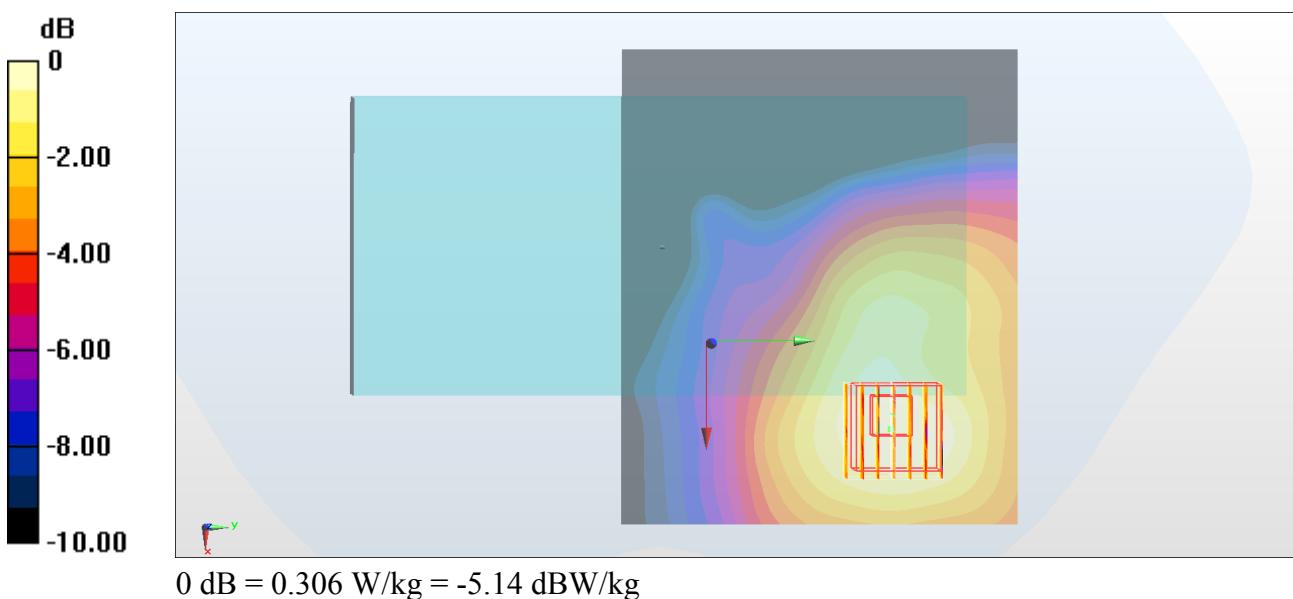
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.550 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.604 W/kg

**SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.364 W/kg



**#53\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Front\_0mm\_Ch122;Ant 1+2**

Communication System: 802.11ac ; Frequency: 5610 MHz; Duty Cycle: 1:1.154

Medium: MSL\_5G\_181003 Medium parameters used :  $f = 5610 \text{ MHz}$ ;  $\sigma = 5.647 \text{ S/m}$ ;  $\epsilon_r = 49.407$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3642; ConvF(3.38, 3.38, 3.38); Calibrated: 2018/4/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (121x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.292 W/kg

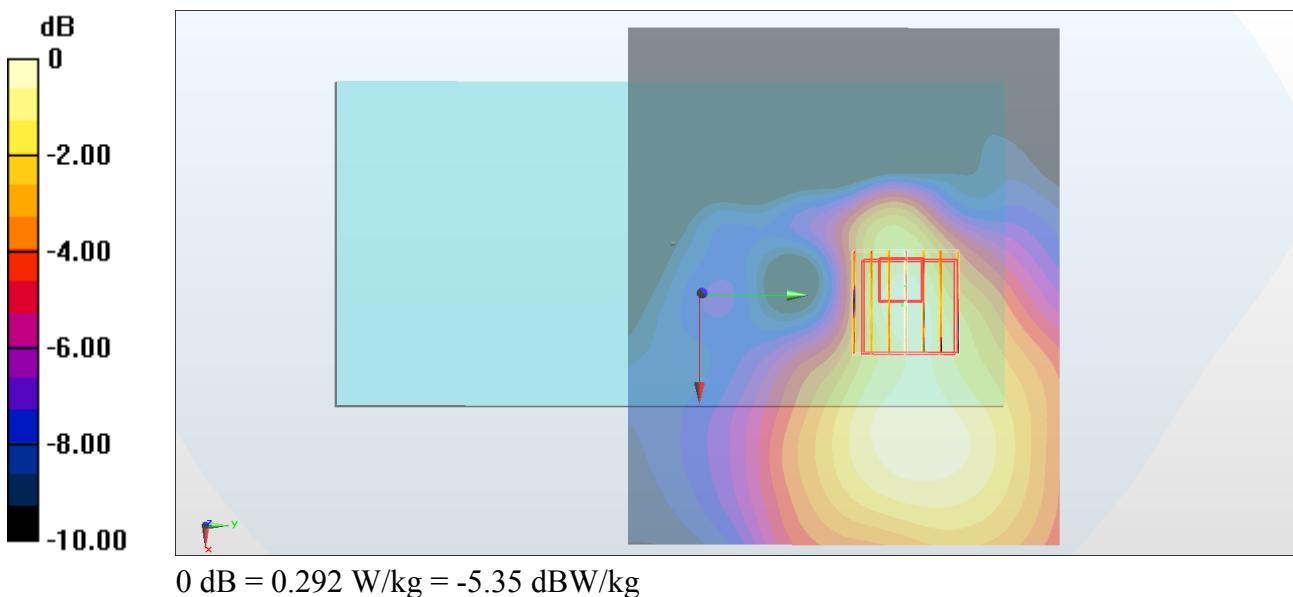
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.528 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.489 W/kg

**SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.041 W/kg**

Maximum value of SAR (measured) = 0.262 W/kg



**#54\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Front\_0mm\_Ch155;Ant 1+2**

Communication System: 802.11ac ; Frequency: 5775 MHz; Duty Cycle: 1:1.154

Medium: MSL\_5G\_181003 Medium parameters used:  $f = 5775 \text{ MHz}$ ;  $\sigma = 5.882 \text{ S/m}$ ;  $\epsilon_r = 49.147$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

## DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(3.73, 3.73, 3.73); Calibrated: 2018/4/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**Area Scan (121x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.243 W/kg

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

Reference Value = 4.667 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.456 W/kg

**SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.045 W/kg**

Maximum value of SAR (measured) = 0.242 W/kg

