

### #11\_GSM850\_GPRS(4 Tx slots)\_Right Side\_10mm\_Ch128

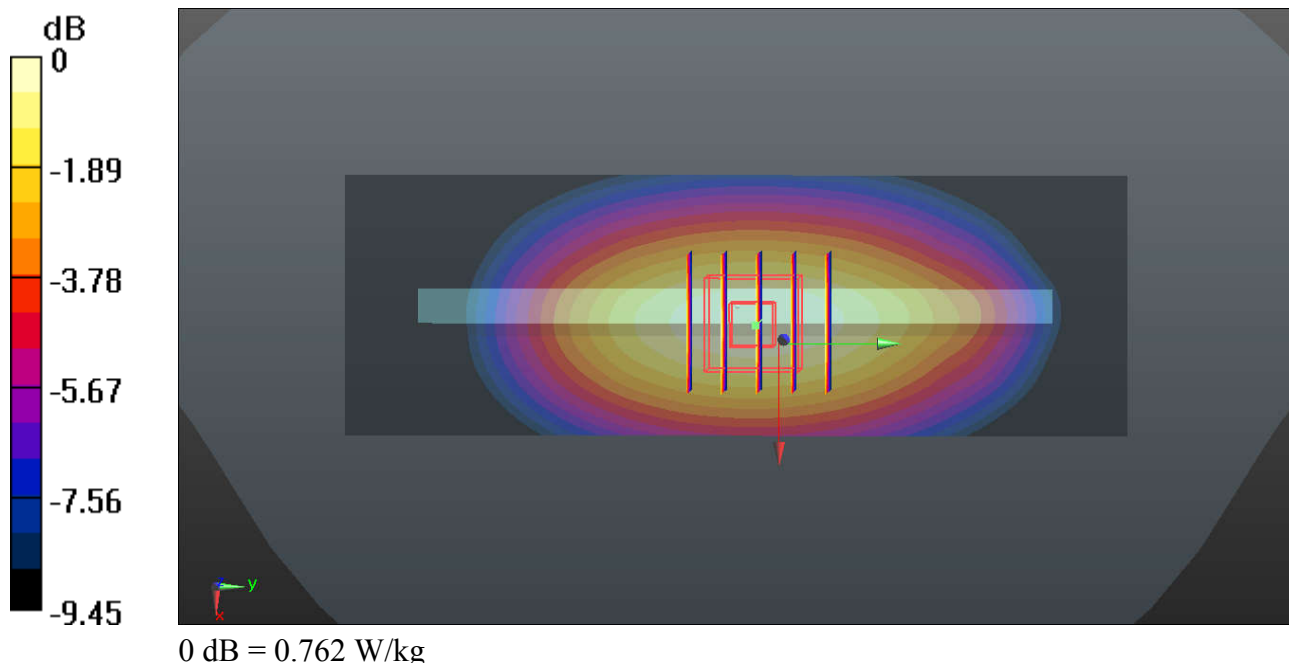
Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.08  
Medium: MSL\_835\_160518 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.965$  S/m;  $\epsilon_r = 54.584$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.47, 9.47, 9.47); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.02.16
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch128/Area Scan (41x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.762 W/kg

**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.431 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 0.894 W/kg  
**SAR(1 g) = 0.621 W/kg; SAR(10 g) = 0.426 W/kg**  
Maximum value of SAR (measured) = 0.772 W/kg



### #12\_GSM1900\_GPRS(4 Tx slots)\_Front\_10mm\_Ch661

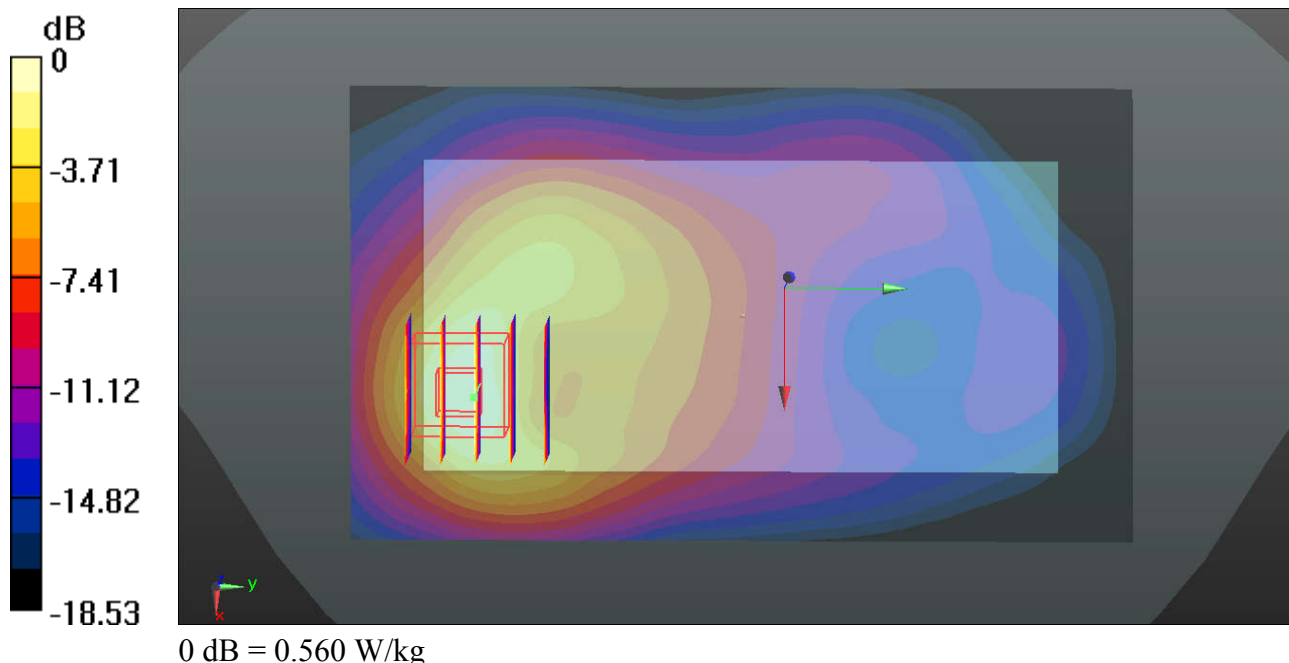
Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.08  
Medium: MSL\_1900\_160512 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 54.609$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.39, 7.39, 7.39); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch661/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.560 W/kg

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 1.950 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 0.793 W/kg  
**SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.223 W/kg**  
Maximum value of SAR (measured) = 0.605 W/kg



### #13\_WCDMA Band V\_RMC 12.2Kbps\_Right Side\_10mm\_Ch4132

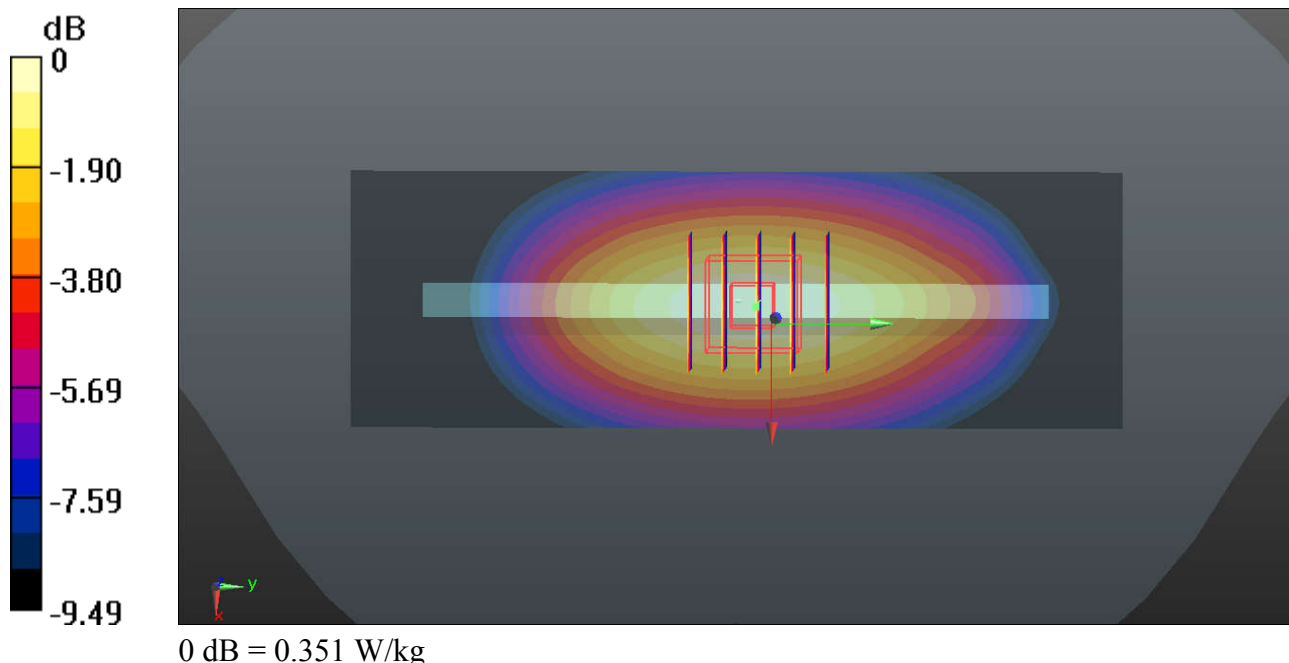
Communication System: UID 0, UMTS (0); Frequency: 826.4 MHz; Duty Cycle: 1:1  
 Medium: MSL\_835\_160518 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 54.561$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.47, 9.47, 9.47); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.02.16
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4132/Area Scan (41x121x1):** Interpolated grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.351 W/kg

**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 2.456 V/m; Power Drift = 0.01 dB  
 Peak SAR (extrapolated) = 0.407 W/kg  
**SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.194 W/kg**  
 Maximum value of SAR (measured) = 0.351 W/kg



### #14\_WCDMA Band IV\_RMC 12.2Kbps\_Front\_10mm\_Ch1513

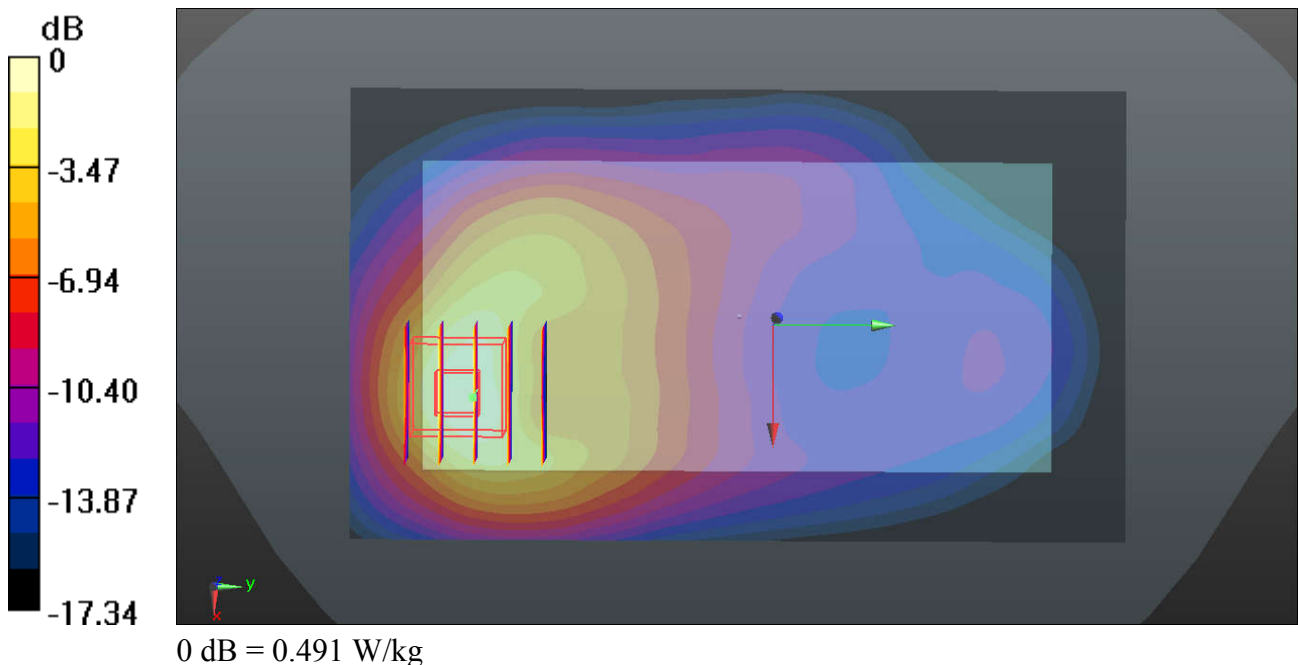
Communication System: UID 0, UMTS (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1800\_160512 Medium parameters used:  $f = 1752.6$  MHz;  $\sigma = 1.531$  S/m;  $\epsilon_r = 52.014$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch1513/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.491 W/kg

**Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 1.554 V/m; Power Drift = 0.06 dB  
 Peak SAR (extrapolated) = 0.697 W/kg  
**SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.206 W/kg**  
 Maximum value of SAR (measured) = 0.534 W/kg



### #15\_WCDMA Band II\_RMC 12.2Kbps\_Front\_10mm\_Ch9538

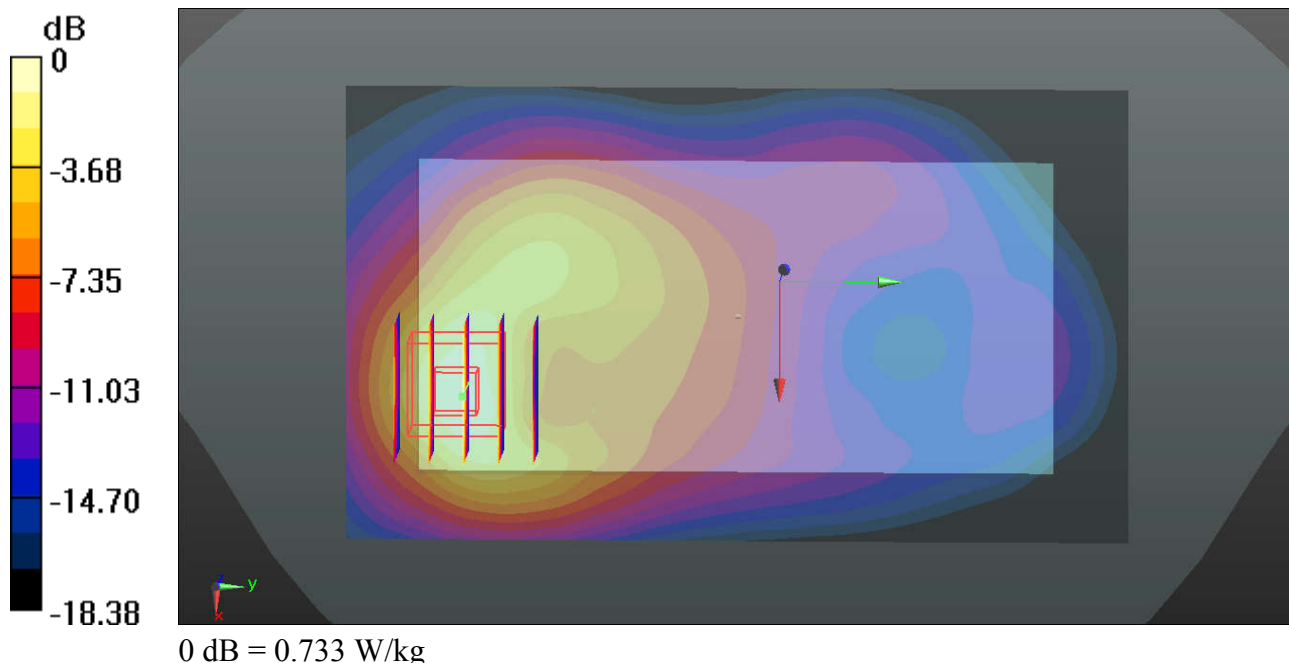
Communication System: UID 0, UMTS (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1900\_160512 Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.542$  S/m;  $\epsilon_r = 54.565$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.39, 7.39, 7.39); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9538/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.733 W/kg

**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 2.446 V/m; Power Drift = -0.08 dB  
 Peak SAR (extrapolated) = 1.05 W/kg  
**SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.287 W/kg**  
 Maximum value of SAR (measured) = 0.828 W/kg



### #16\_LTE Band 12\_10M\_QPSK\_1RB\_25Offset\_Back\_10mm\_Ch23095

Communication System: UID 0, LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_160518 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 55.257$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.69, 9.69, 9.69); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.02.16
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

#### Ch23095/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.328 W/kg

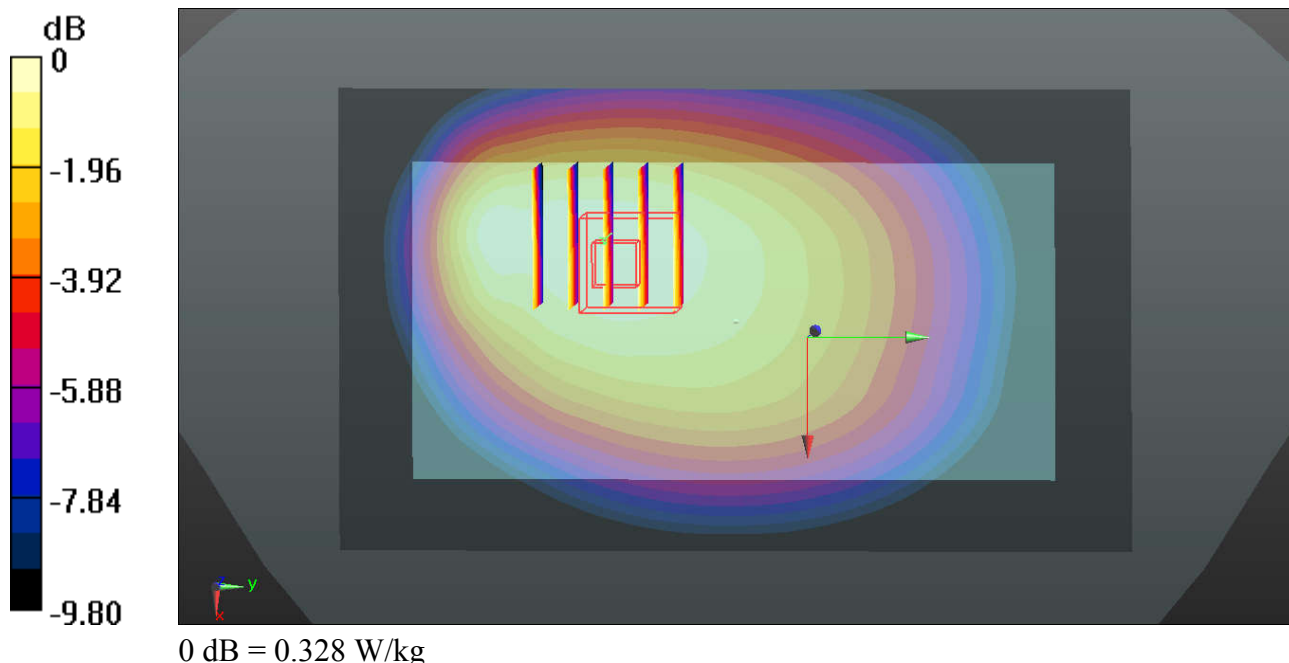
#### Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.296 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.358 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.215 W/kg

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



### #17\_LTE Band 4\_20M\_QPSK\_1RB\_0Offset\_Bottom Side\_10mm\_Ch20175

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_160513 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.484$  S/m;  $\epsilon_r = 52.178$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20175/Area Scan (41x71x1):** Interpolated grid: dx=15mm, dy=15mm

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

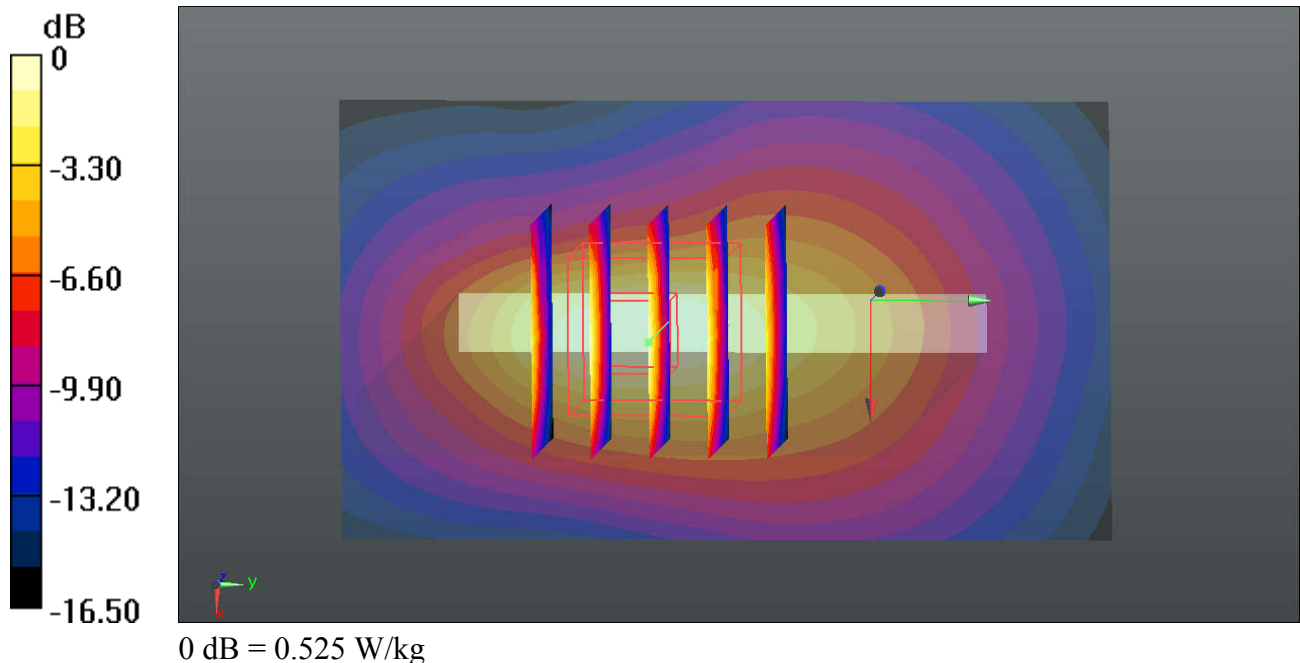
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.948 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.677 W/kg

**SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.207 W/kg**

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



**#18\_LTE Band 2\_20M\_QPSK\_1RB\_0Offset\_Front\_10mm\_Ch19100**

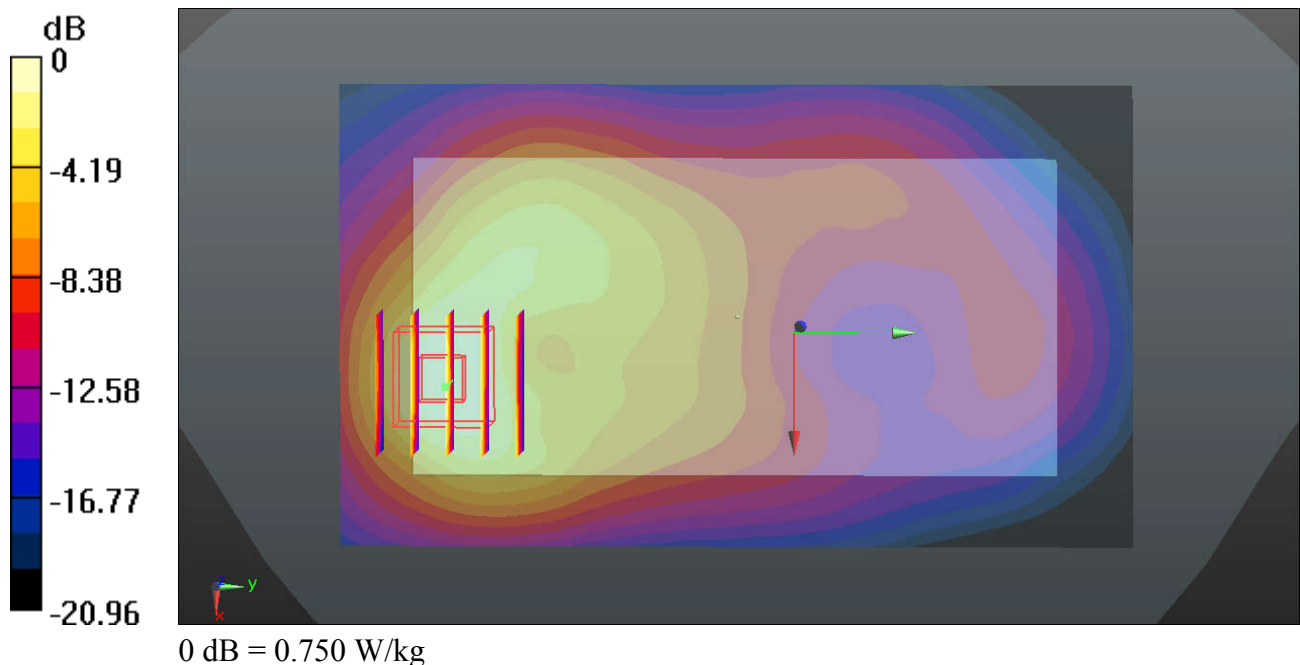
Communication System: UID 0, LTE (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1900\_160513 Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.5 \text{ S/m}$ ;  $\epsilon_r = 52.655$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.9 \text{ }^\circ\text{C}$

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.39, 7.39, 7.39); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch19100/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
 Maximum value of SAR (interpolated) =  $0.750 \text{ W/kg}$

**Ch19100/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value =  $2.594 \text{ V/m}$ ; Power Drift =  $0.08 \text{ dB}$   
 Peak SAR (extrapolated) =  $1.13 \text{ W/kg}$   
**SAR(1 g) =  $0.619 \text{ W/kg}$ ; SAR(10 g) =  $0.313 \text{ W/kg}$**   
 Maximum value of SAR (measured) =  $0.902 \text{ W/kg}$





### #19\_LTE Band 7\_20M\_QPSK\_1RB\_99Offset\_Back\_10mm\_Ch21350

Communication System: UID 0, LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_160519 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.192$  S/m;  $\epsilon_r = 51.055$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.79, 6.79, 6.79); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.02.16
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch21350/Area Scan (81x151x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.818 W/kg

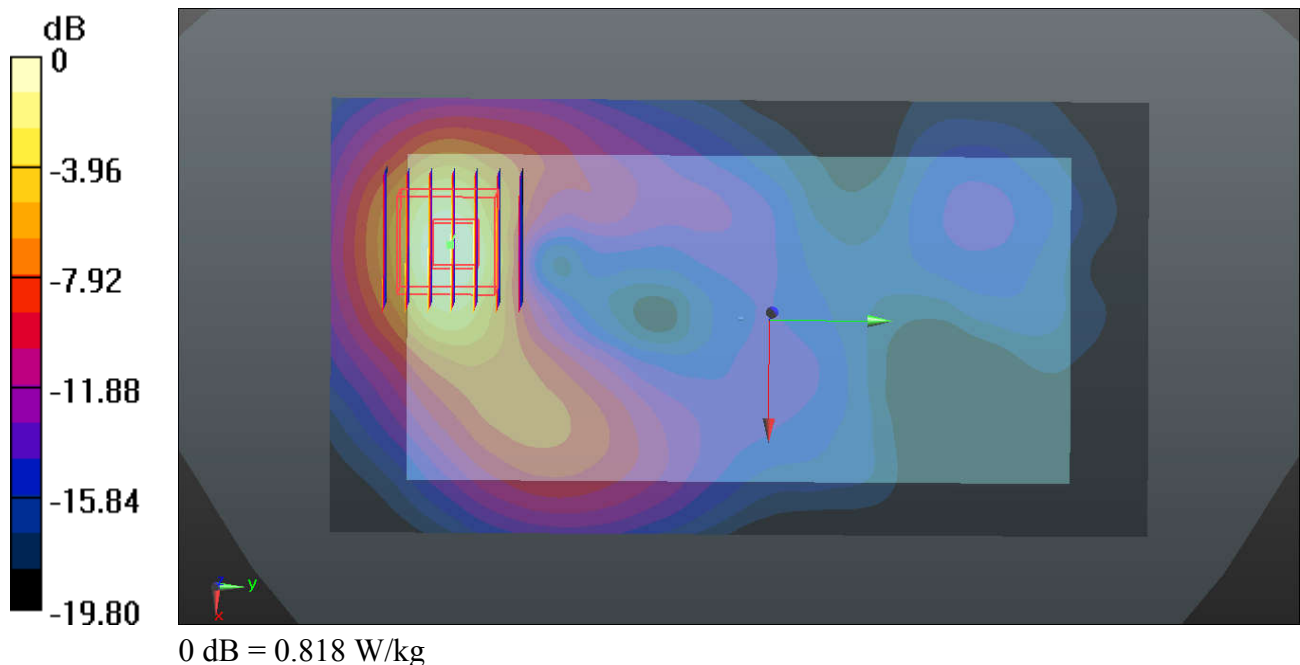
**Ch21350/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.977 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.274 W/kg**

Maximum value of SAR (measured) = 0.931 W/kg



## #20\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_10mm\_Ch6

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_160519 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.974$  S/m;  $\epsilon_r = 52.384$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.08, 7.08, 7.08); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.02.16
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch6/Area Scan (81x151x1):** Interpolated grid: dx=12mm, dy=12mm

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

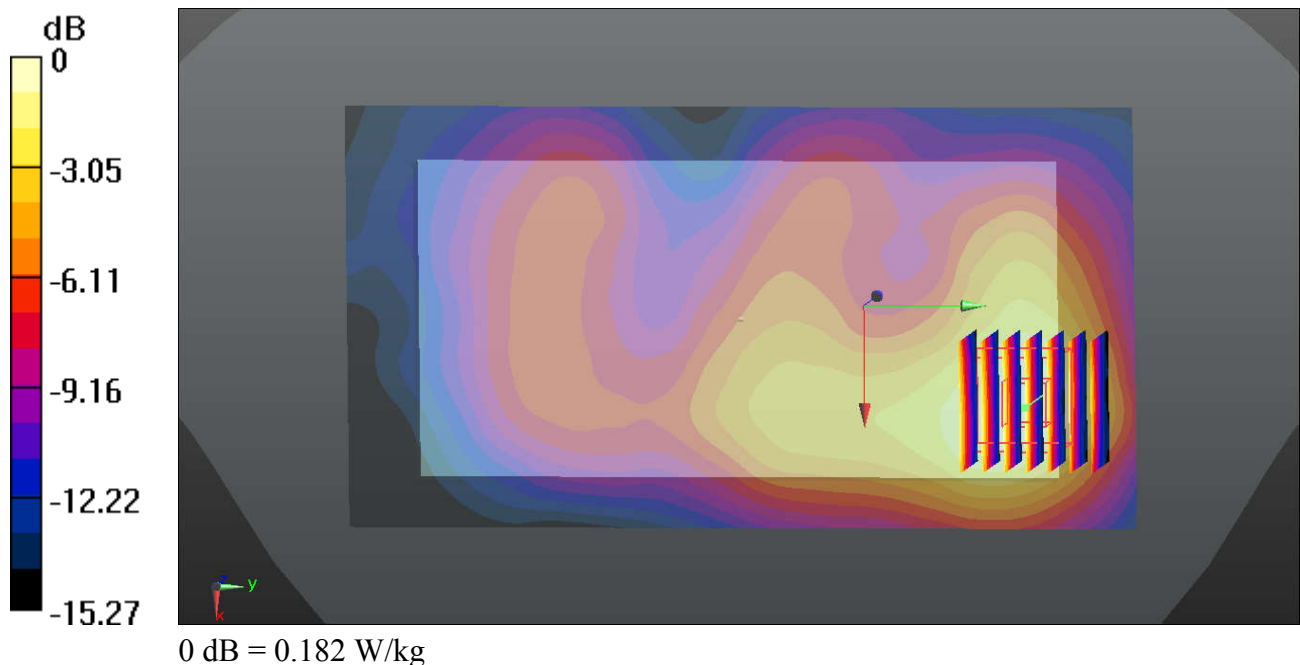
**Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.892 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.068 W/kg**

Maximum value of SAR (measured) = 0.188 W/kg



### #21\_GSM850\_GPRS(4 Tx slots)\_Front\_10mm\_Ch128

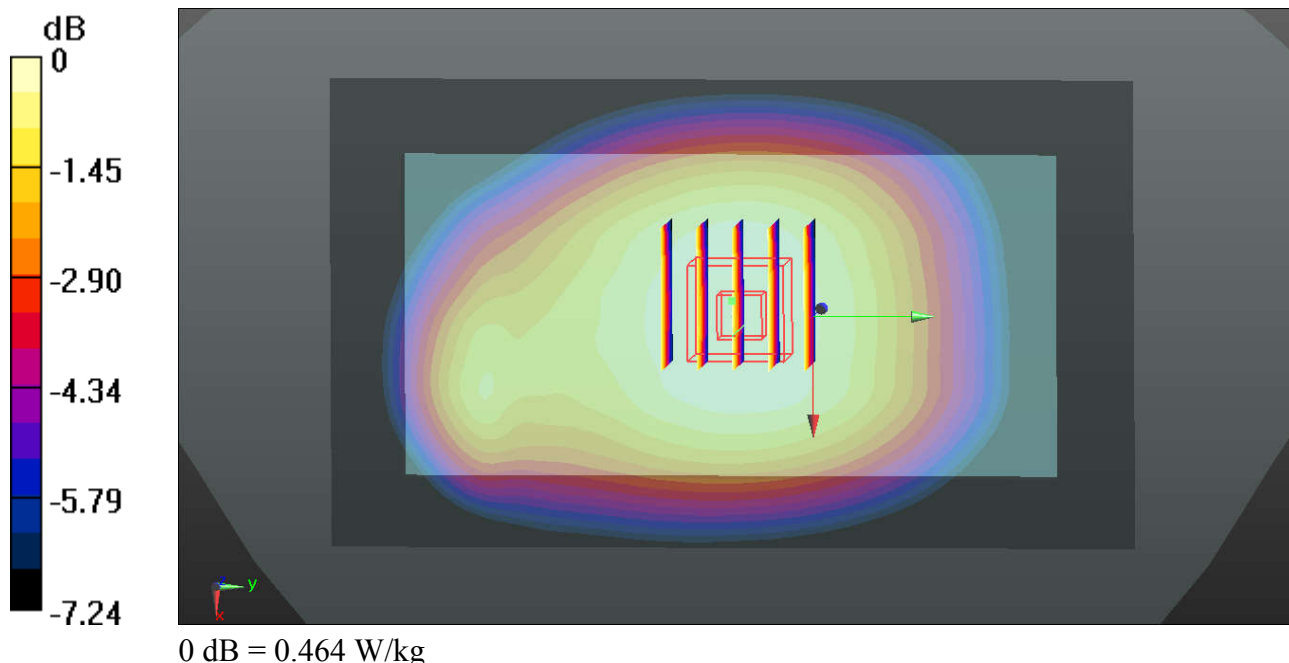
Communication System: UID 0, GPRS/EDGE12 (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.08  
Medium: MSL\_835\_160518 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.965$  S/m;  $\epsilon_r = 54.584$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.47, 9.47, 9.47); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.02.16
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch128/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.464 W/kg

**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.349 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.502 W/kg  
**SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.322 W/kg**  
Maximum value of SAR (measured) = 0.461 W/kg



## #22\_WCDMA Band V\_RMC 12.2Kbps\_Front\_10mm\_Ch4132

Communication System: UID 0, UMTS (0); Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_160518 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 54.561$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.47, 9.47, 9.47); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1386; Calibrated: 2016.02.16
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4132/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.214 W/kg

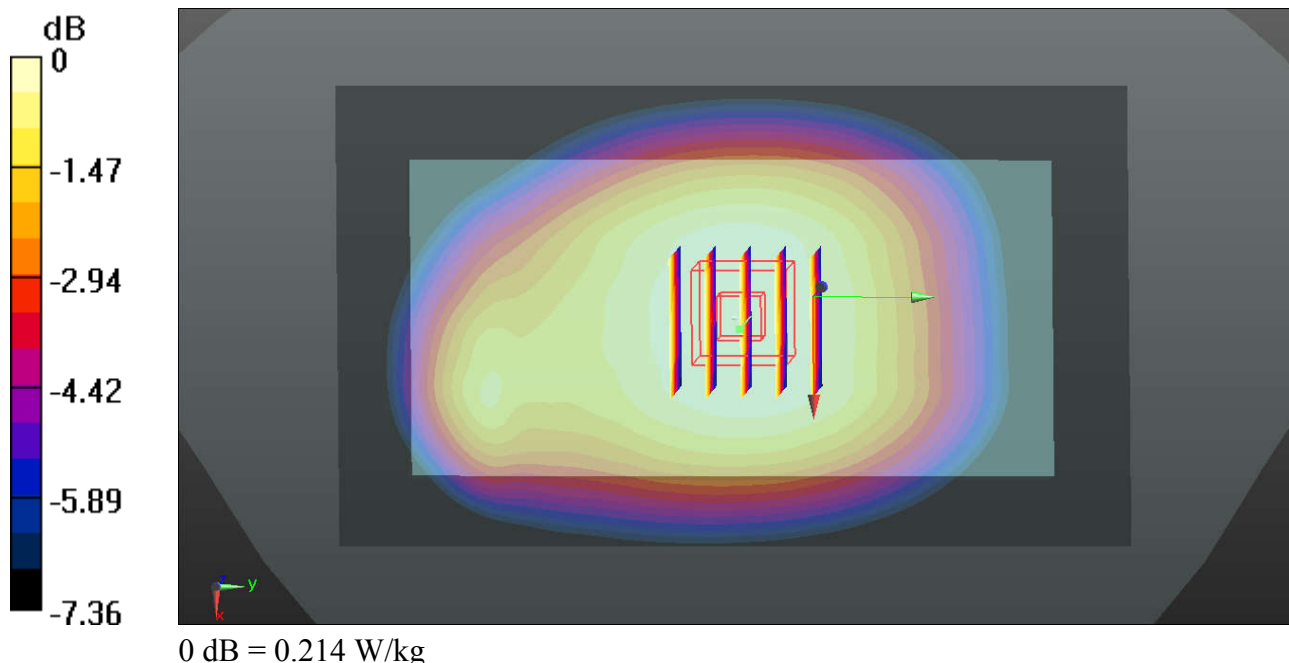
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.426 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.234 W/kg

**SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.150 W/kg**

Maximum value of SAR (measured) = 0.215 W/kg



### #23\_LTE Band 4\_20M\_QPSK\_1RB\_0Offset\_Front\_10mm\_Ch20175

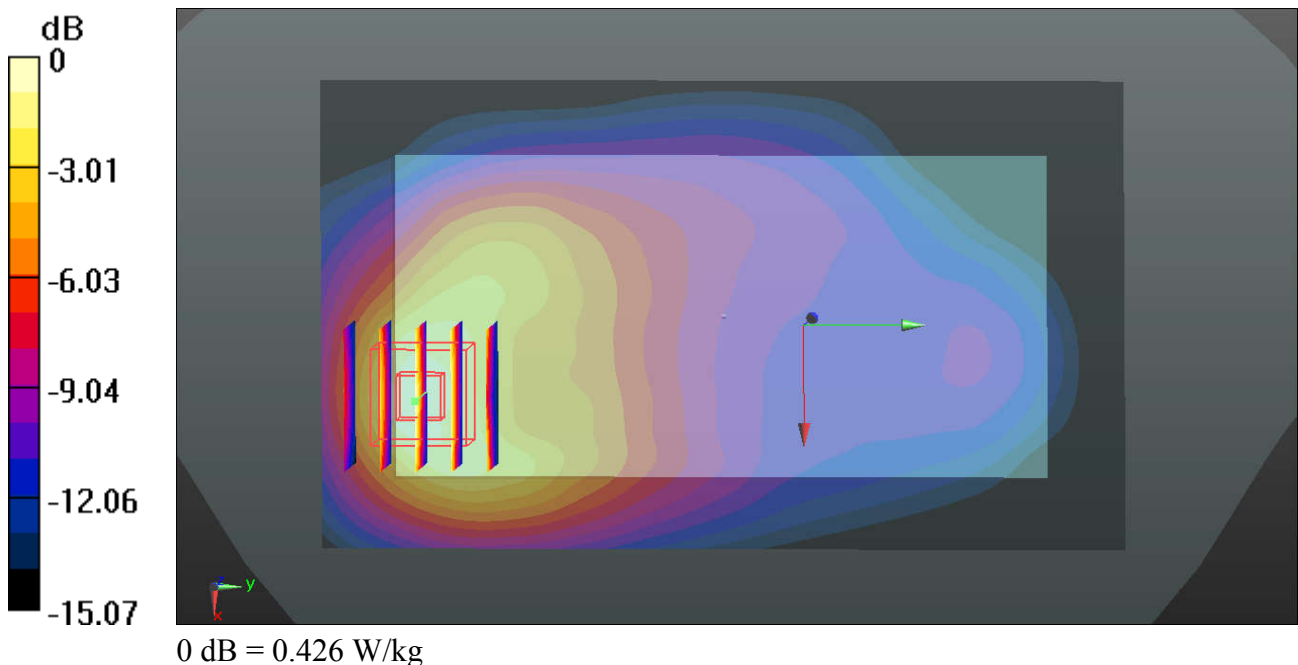
Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1800\_160513 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.484$  S/m;  $\epsilon_r = 52.178$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.4 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.71, 7.71, 7.71); Calibrated: 2015.11.27;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2015.11.24
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20175/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.426 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 2.900 V/m; Power Drift = -0.13 dB  
 Peak SAR (extrapolated) = 0.633 W/kg  
**SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.195 W/kg**  
 Maximum value of SAR (measured) = 0.509 W/kg





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**Appendix C. DASYS Calibration Certificate**

The DASYS calibration certificates are shown as follows.