

**System Check\_Body\_2300MHz****DUT: D2300V2 - SN:1055**

Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: MSL\_2300 Medium parameters used:  $f = 2300 \text{ MHz}$ ;  $\sigma = 1.774 \text{ S/m}$ ;  $\epsilon_r = 53.544$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.87, 7.87, 7.87); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM2; Type: SAM; Serial: TP-1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=250mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 19.1 W/kg

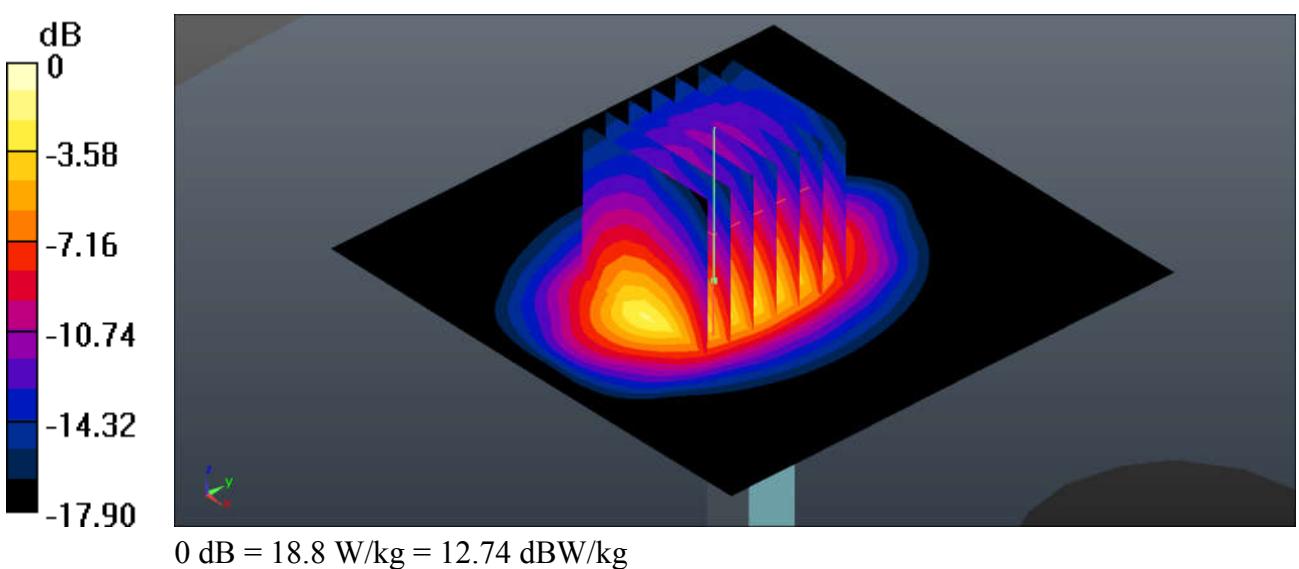
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.34 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 23.6 W/kg

**SAR(1 g) = 13 W/kg; SAR(10 g) = 6.11 W/kg**

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



**System Check\_Body\_2450MHz****DUT: D2450V2 - SN:840**

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

Medium: MSL\_2450 Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 2.003 \text{ S/m}$ ;  $\epsilon_r = 53.104$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.7, 7.7, 7.7); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=250mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 20.1 W/kg

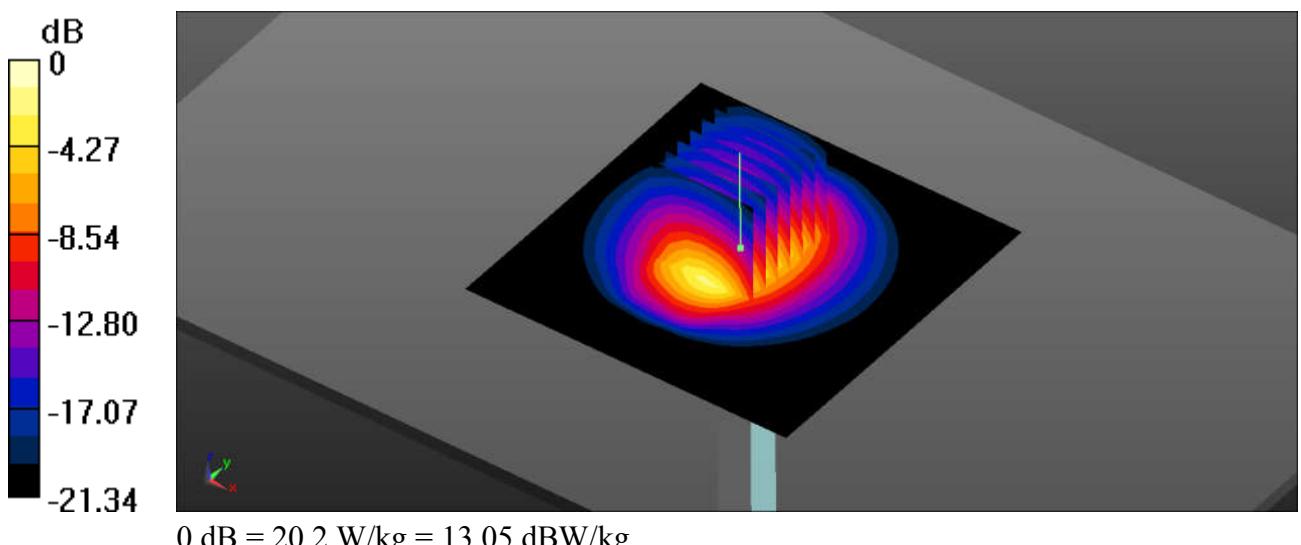
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 72.08 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 27.0 W/kg

**SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.29 W/kg**

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



**System Check\_Body\_2600MHz****DUT: D2600V2 - SN:1061**

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

Medium: MSL\_2600 Medium parameters used:  $f = 2600 \text{ MHz}$ ;  $\sigma = 2.198 \text{ S/m}$ ;  $\epsilon_r = 52.452$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.59, 7.59, 7.59); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Pin=250mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

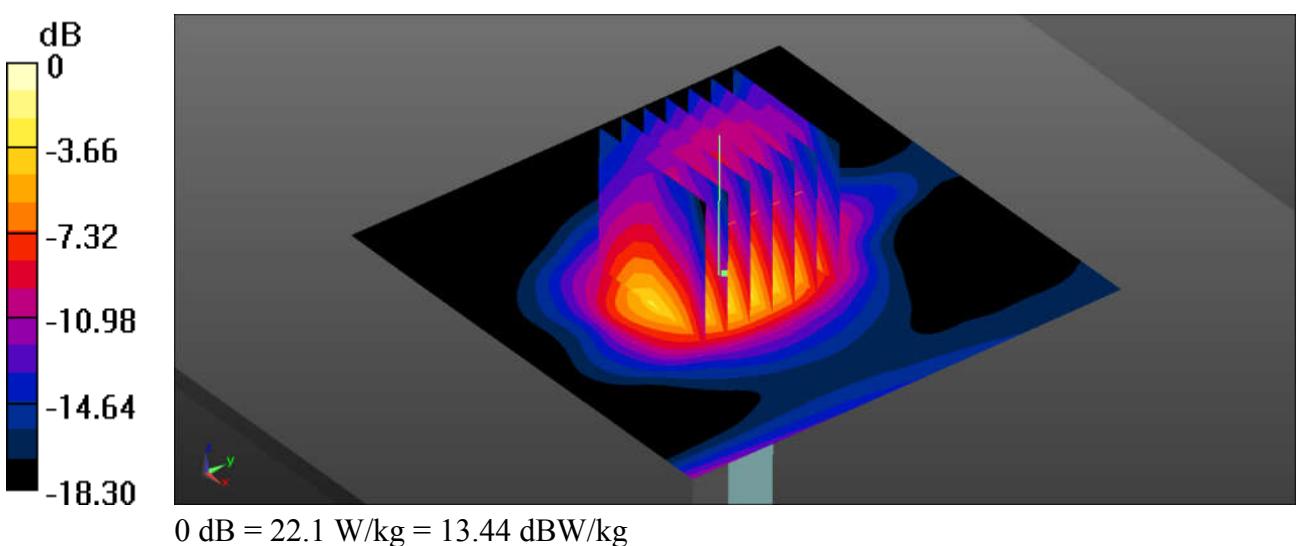
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 78.38 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 22.3 W/kg

**SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.44W/kg**

Maximum value of SAR (measured) = 22.1 W/kg



**System Check\_Body\_5250MHz****DUT: D5GHzV2-SN:1113**

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

Medium: MSL\_5000 Medium parameters used:  $f = 5250 \text{ MHz}$ ;  $\sigma = 5.379 \text{ S/m}$ ;  $\epsilon_r = 49.115$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.72, 4.72, 4.72); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 17.4 W/kg

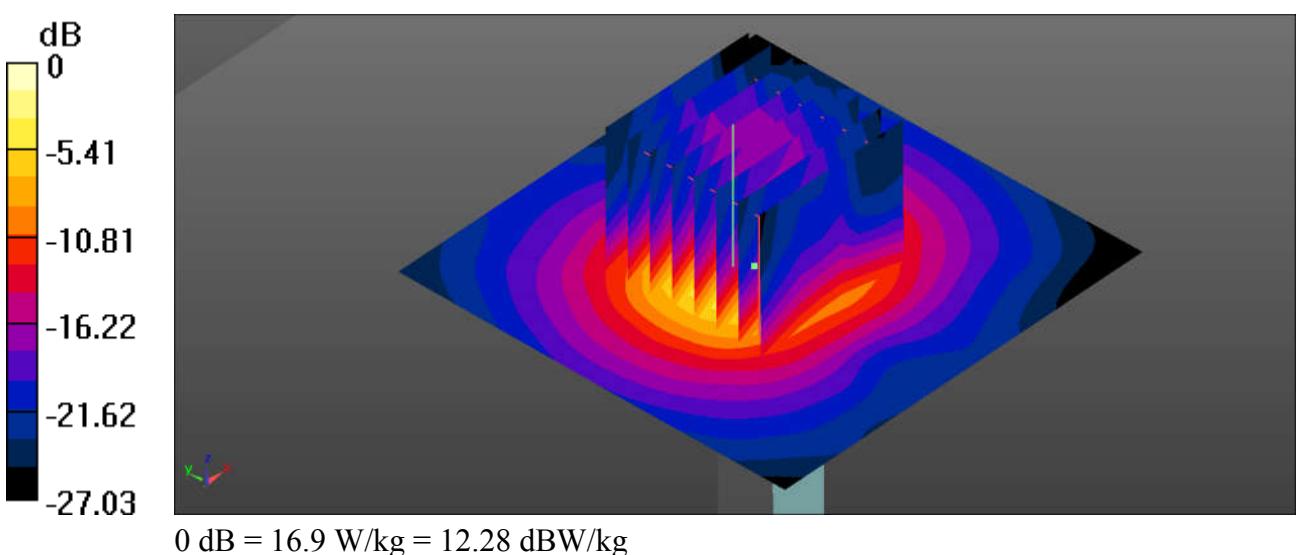
**CW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 39.64 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 28.4 W/kg

**SAR(1 g) = 7.69 W/kg; SAR(10 g) = 2.22 W/kg**

Maximum value of SAR (measured) = 16.9 W/kg



**System Check\_Body\_5600MHz****DUT: D5GHzV2-SN:1113**

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

Medium: MSL\_5000 Medium parameters used:  $f = 5600 \text{ MHz}$ ;  $\sigma = 5.872 \text{ S/m}$ ;  $\epsilon_r = 48.306$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.01, 4.01, 4.01); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 21.0 W/kg

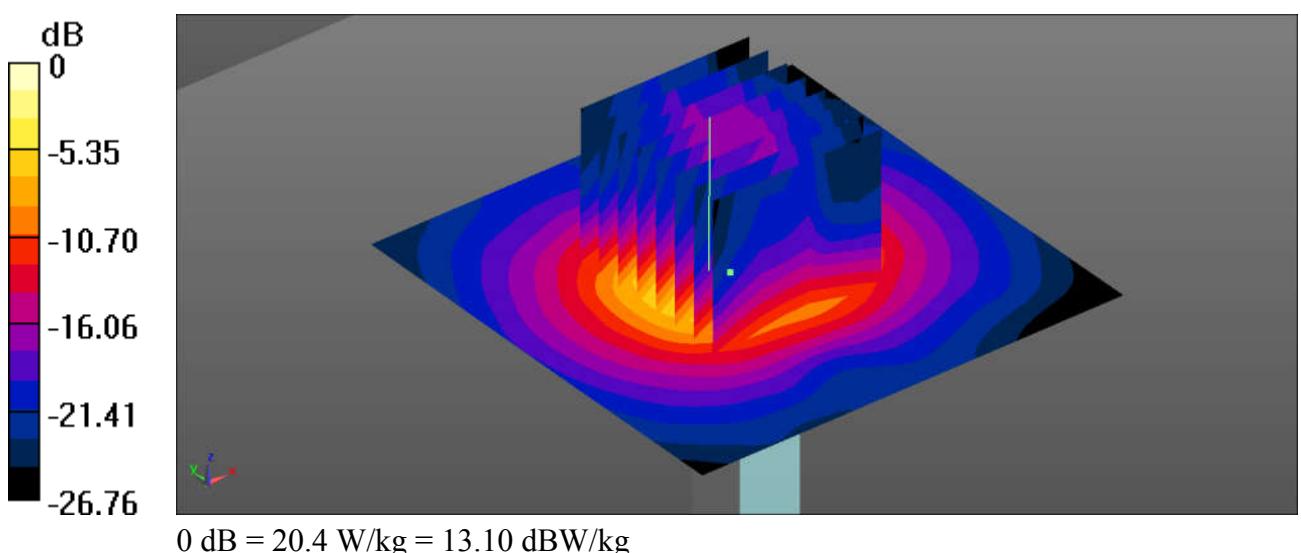
**CW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.01 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 32.3 W/kg

**SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.37 W/kg**

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



**System Check\_Body\_5750MHz****DUT: D5GHzV2-SN:1113**

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

Medium: MSL\_5000 Medium parameters used:  $f = 5750 \text{ MHz}$ ;  $\sigma = 6.07 \text{ S/m}$ ;  $\epsilon_r = 47.985$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.31, 4.31, 4.31); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM2; Type: SAM; Serial: TP-1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**CW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.1 W/kg

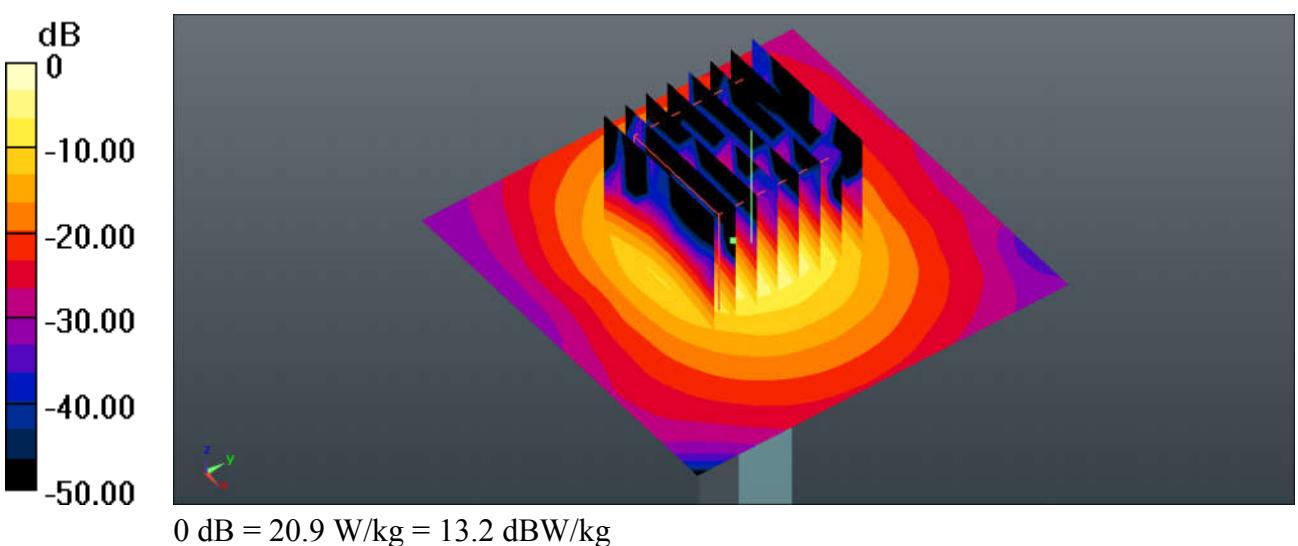
**CW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.97 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 31.4 W/kg

**SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.19 W/kg**

Maximum value of SAR (measured) = 20.9 W/kg





## Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

**01\_GSM850\_GPRS 2 Tx slots\_Left Cheek\_0mm\_Ch128**

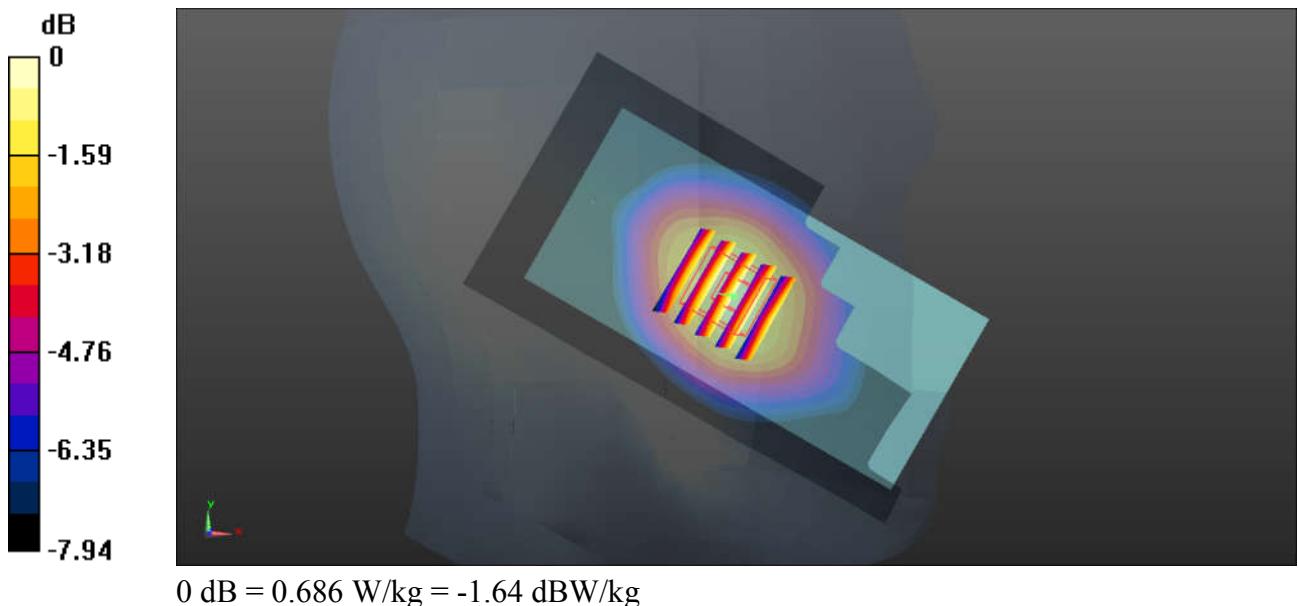
Communication System: UID 0, GPRS/EDGE (2 Tx slots) (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.15  
Medium: HSL\_850 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.897 \text{ S/m}$ ;  $\epsilon_r = 42.282$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.52, 10.52, 10.52); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch128/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.573 W/kg

**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.774 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 0.727 W/kg  
**SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.485 W/kg**  
Maximum value of SAR (measured) = 0.686 W/kg



**02\_GSM1900\_GPRS 2 Tx slots\_Right Cheek\_0mm\_Ch661**

Communication System: UID 0, GPRS/EDGE (2 Tx slots) (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15  
Medium: HSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.412$  S/m;  $\epsilon_r = 39.502$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.32, 8.32, 8.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

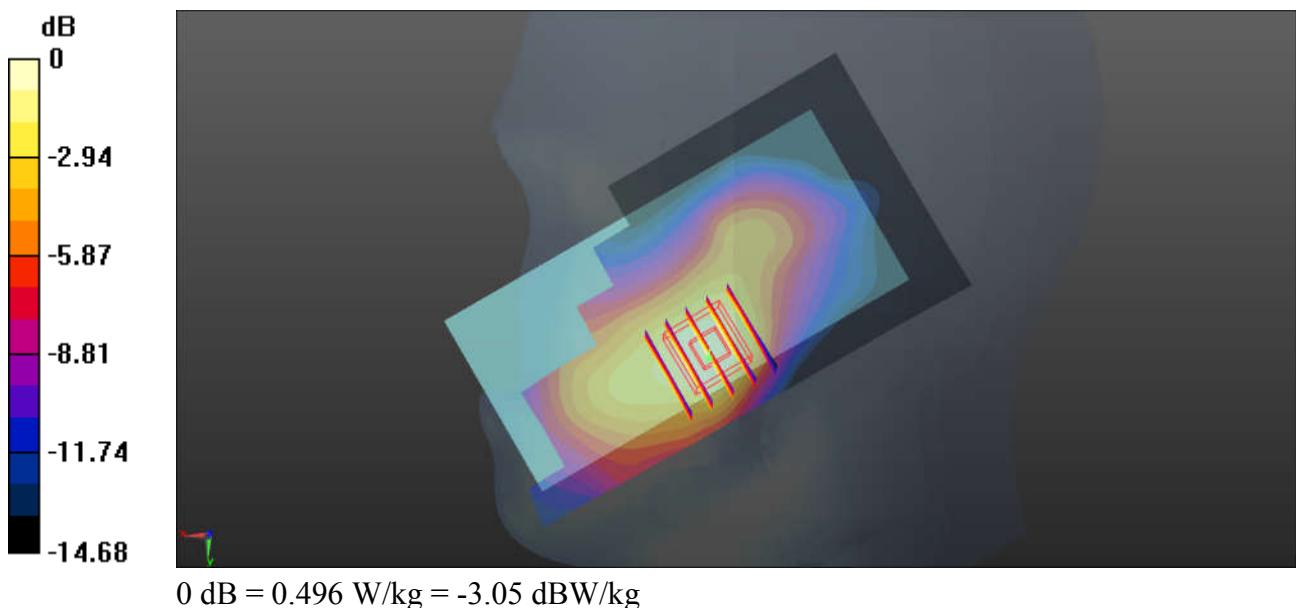
**Ch661/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.539 W/kg

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 5.255 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.543 W/kg

**SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.264 W/kg**

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



**03\_WCDMA Band V\_RMC 12.2Kbps\_Left Cheek\_0mm\_Ch4233**

Communication System: UID 0, UMTS (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL\_850 Medium parameters used:  $f = 846.6 \text{ MHz}$ ;  $\sigma = 0.918 \text{ S/m}$ ;  $\epsilon_r = 41.983$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.52, 10.52, 10.52); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

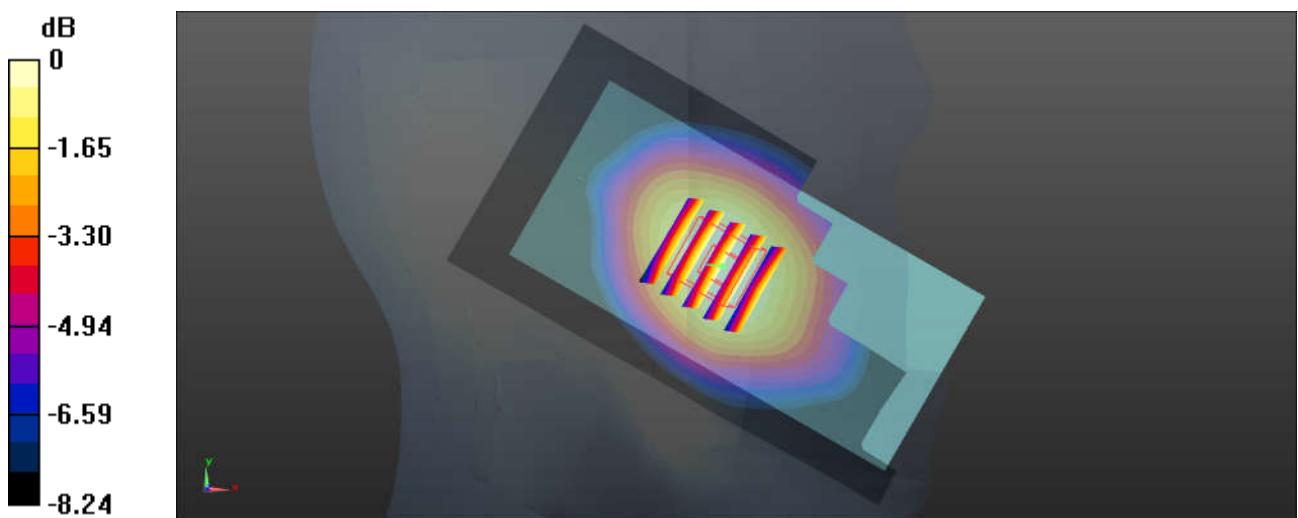
**Ch4233/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.782 W/kg**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.43 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.835 W/kg

**SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.537 W/kg**

Maximum value of SAR (measured) = 0.787 W/kg



$$0 \text{ dB} = 0.787 \text{ W/kg} = -1.04 \text{ dBW/kg}$$

**04\_WCDMA Band IV\_RMC 12.2Kbps\_Right Cheek\_0mm\_Ch1513**

Communication System: UID 0, UMTS (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750 Medium parameters used:  $f = 1752.6$  MHz;  $\sigma = 1.348$  S/m;  $\epsilon_r = 41.132$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.58, 8.58, 8.58); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch1513/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.808 W/kg

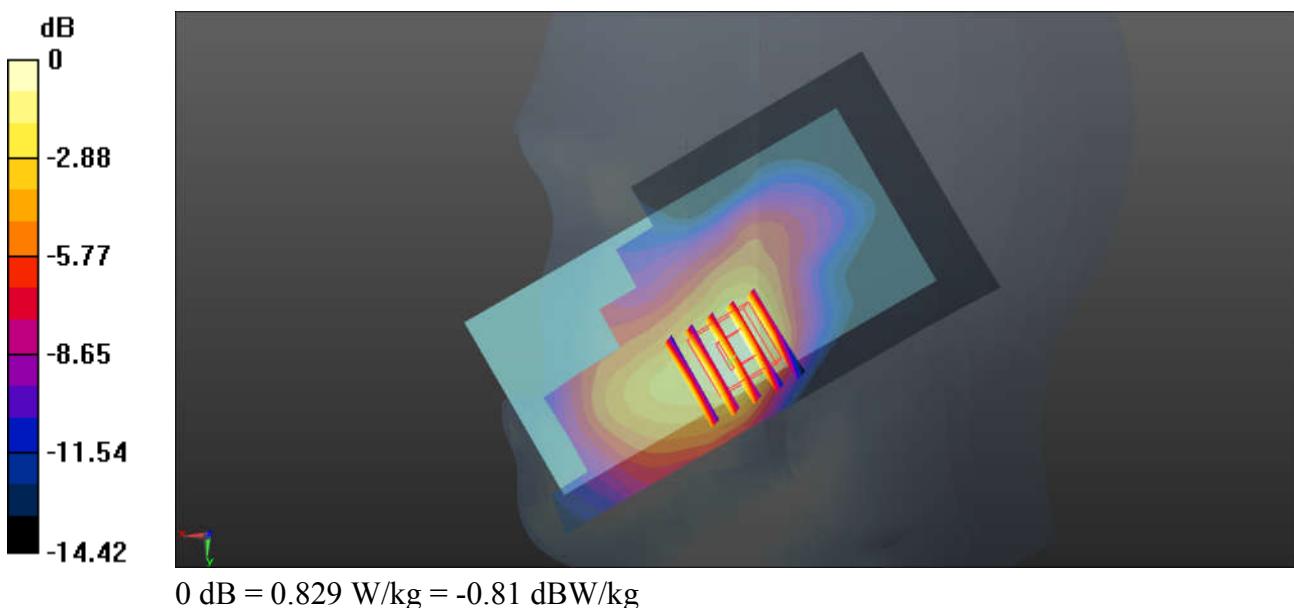
**Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.872 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.945 W/kg

**SAR(1 g) = 0.722 W/kg; SAR(10 g) = 0.470 W/kg**

Maximum value of SAR (measured) = 0.829 W/kg



**05\_WCDMA Band II\_RMC 12.2Kbps\_Right Cheek\_0mm\_Ch9538**

Communication System: UID 0, UMTS (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1907.6 \text{ MHz}$ ;  $\sigma = 1.443 \text{ S/m}$ ;  $\epsilon_r = 39.361$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.32, 8.32, 8.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9538/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.965 W/kg

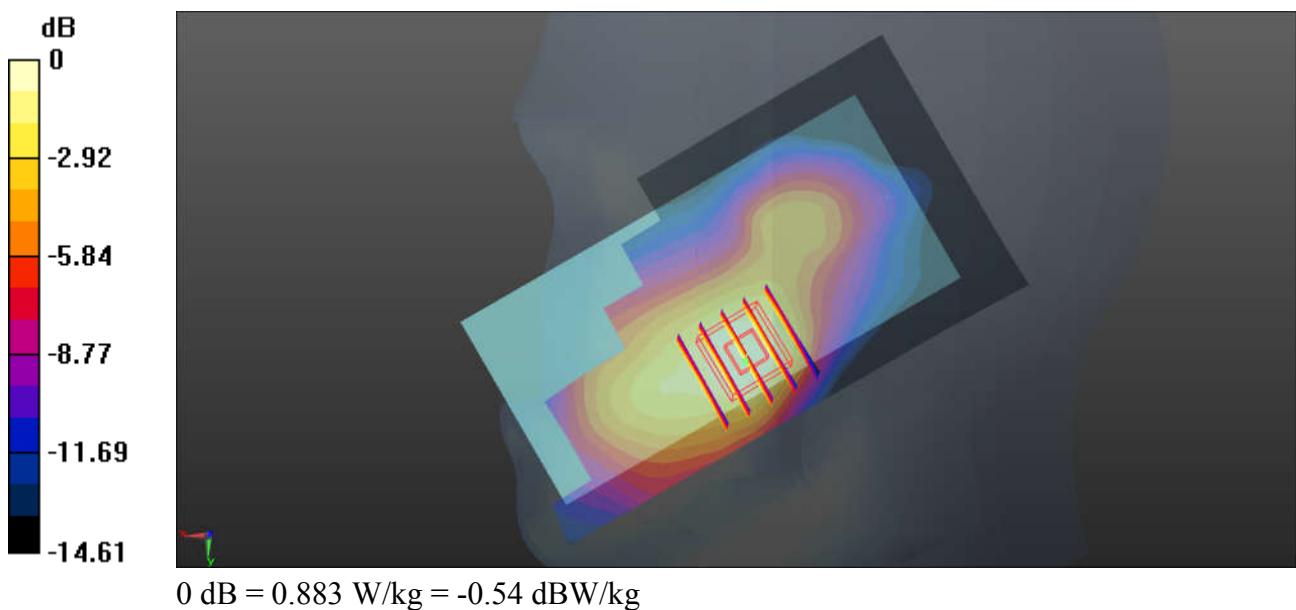
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.331 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.966 W/kg

**SAR(1 g) = 0.746 W/kg; SAR(10 g) = 0.477 W/kg**

Maximum value of SAR (measured) = 0.883 W/kg



**06\_CDMA2000 BC10\_RC3 SO55 \_Left Cheek\_0mm\_Ch684**

Communication System: UID 0, CDMA2000 (0); Frequency: 823.1 MHz; Duty Cycle: 1:1

Medium: HSL\_850 Medium parameters used:  $f = 823.1 \text{ MHz}$ ;  $\sigma = 0.896 \text{ S/m}$ ;  $\epsilon_r = 42.291$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.52, 10.52, 10.52); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch684/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.925 W/kg

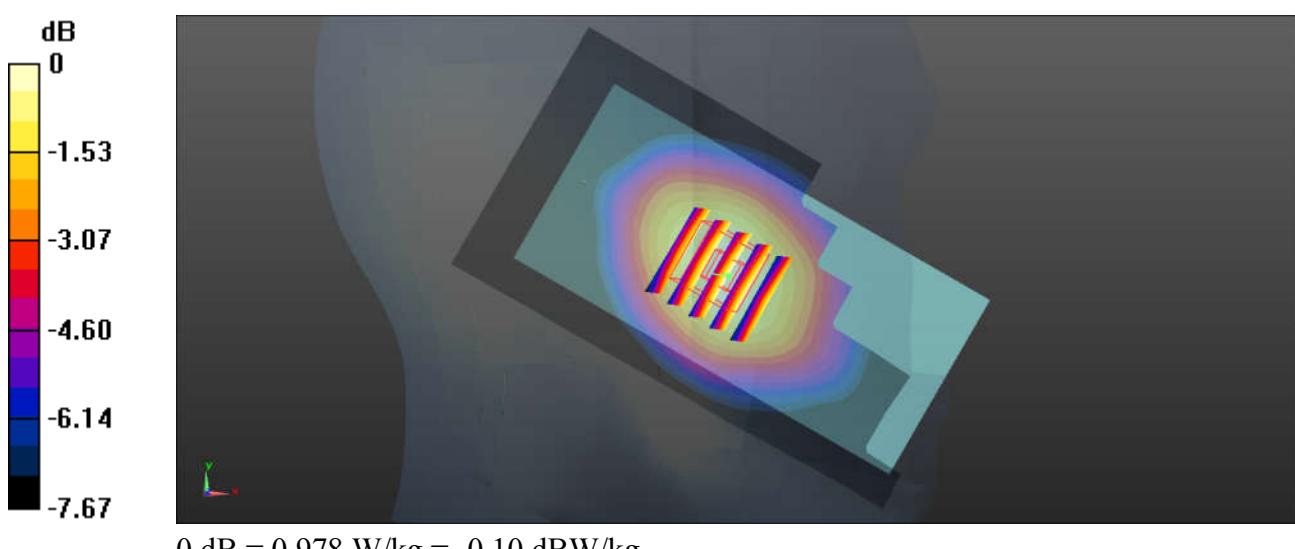
**Ch684/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.13 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.85 W/kg; SAR(10 g) = 0.660 W/kg**

Maximum value of SAR (measured) = 0.978 W/kg



**07\_CDMA2000 BC0\_RC3 SO55 \_Left Cheek\_0mm\_Ch777**

Communication System: UID 0, CDMA2000 (0); Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: HSL\_850 Medium parameters used:  $f = 848.31 \text{ MHz}$ ;  $\sigma = 0.919 \text{ S/m}$ ;  $\epsilon_r = 41.973$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.52, 10.52, 10.52); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch777/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.08 W/kg

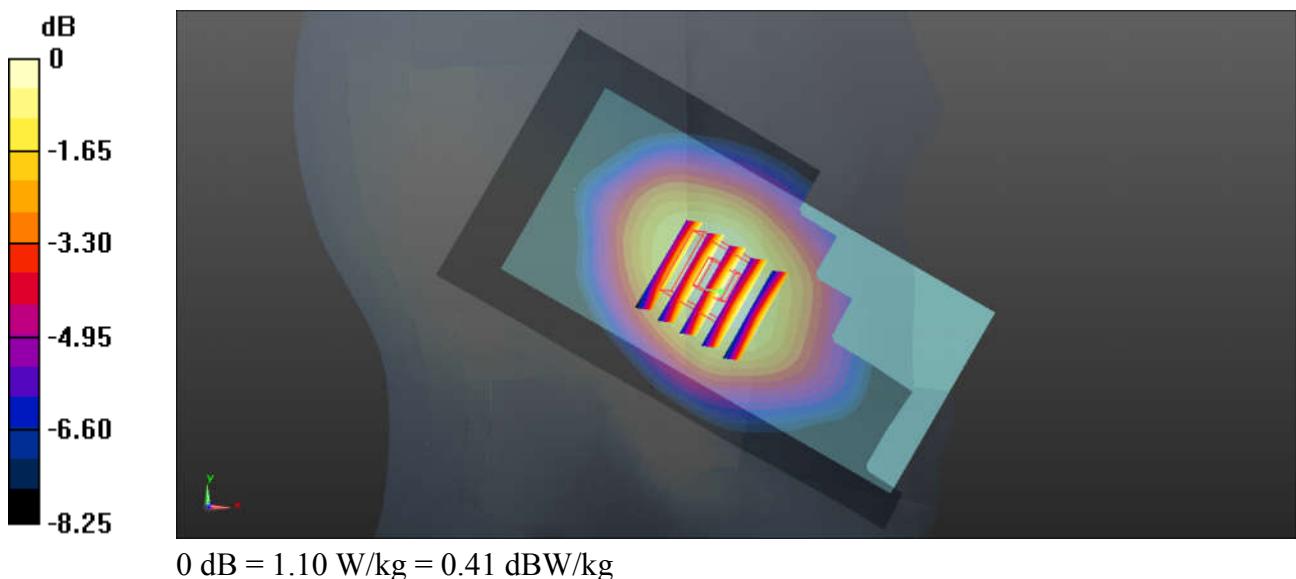
**Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.29 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.83W/kg; SAR(10 g) = 0.680 W/kg**

Maximum value of SAR (measured) = 1.10 W/kg



**08\_CDMA2000 BC1\_RC3 SO55 \_Right Cheek\_0mm\_Ch600**

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL\_1900 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.412 \text{ S/m}$ ;  $\epsilon_r = 39.502$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.32, 8.32, 8.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch600/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.18 W/kg

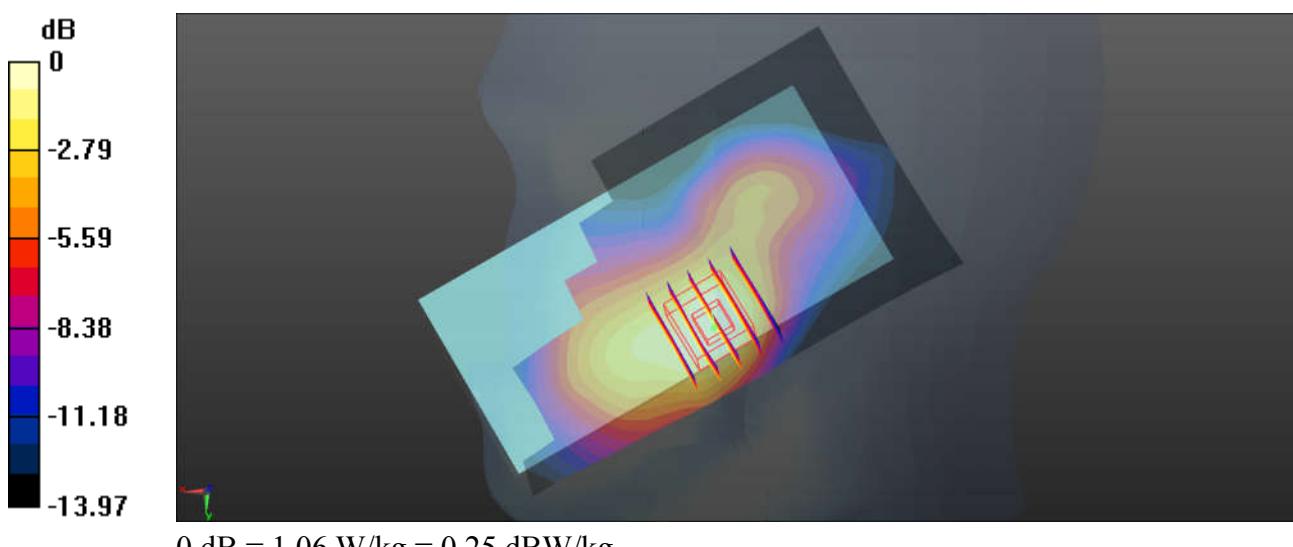
**Ch600/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.70 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.559 W/kg**

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



**09\_LTE Band 12\_10M\_QPSK\_1RB\_0Offset\_Left Cheek\_0mm\_Ch23095**

Communication System: UID 0, FDD\_LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used:  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.868 \text{ S/m}$ ;  $\epsilon_r = 42.997$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.98, 10.98, 10.98); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23095/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.312 W/kg

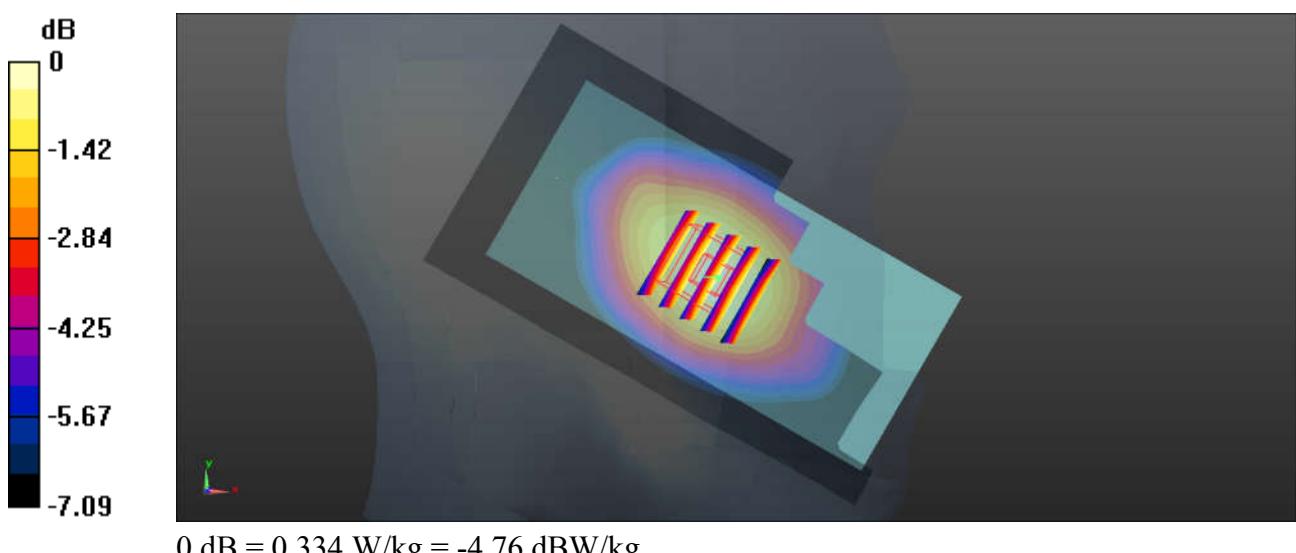
**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.068 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.353 W/kg

**SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.229 W/kg**

Maximum value of SAR (measured) = 0.334 W/kg



**10\_LTE Band 13\_10M\_QPSK\_1RB\_0Offset\_Left Cheek\_0mm\_Ch23230**

Communication System: UID 0, FDD\_LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL\_850 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.857 \text{ S/m}$ ;  $\epsilon_r = 42.816$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.98, 10.98, 10.98); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

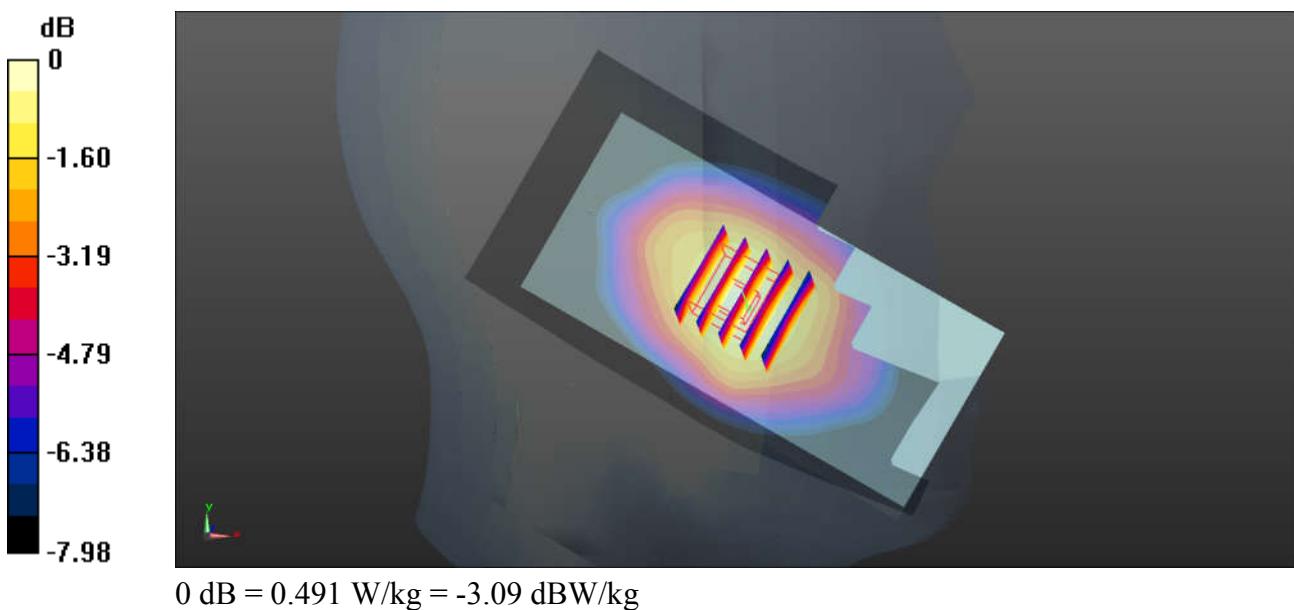
**Ch23230/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) = 0.458 W/kg**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 8.834 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.523 W/kg

**SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.323 W/kg**

Maximum value of SAR (measured) = 0.491 W/kg



**11\_LTE Band 14\_10M\_QPSK\_1RB\_0Offset\_Left Cheek\_0mm\_Ch23330**

Communication System: UID 0, FDD\_LTE (0); Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL\_850 Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 0.868 \text{ S/m}$ ;  $\epsilon_r = 42.667$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.98, 10.98, 10.98); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

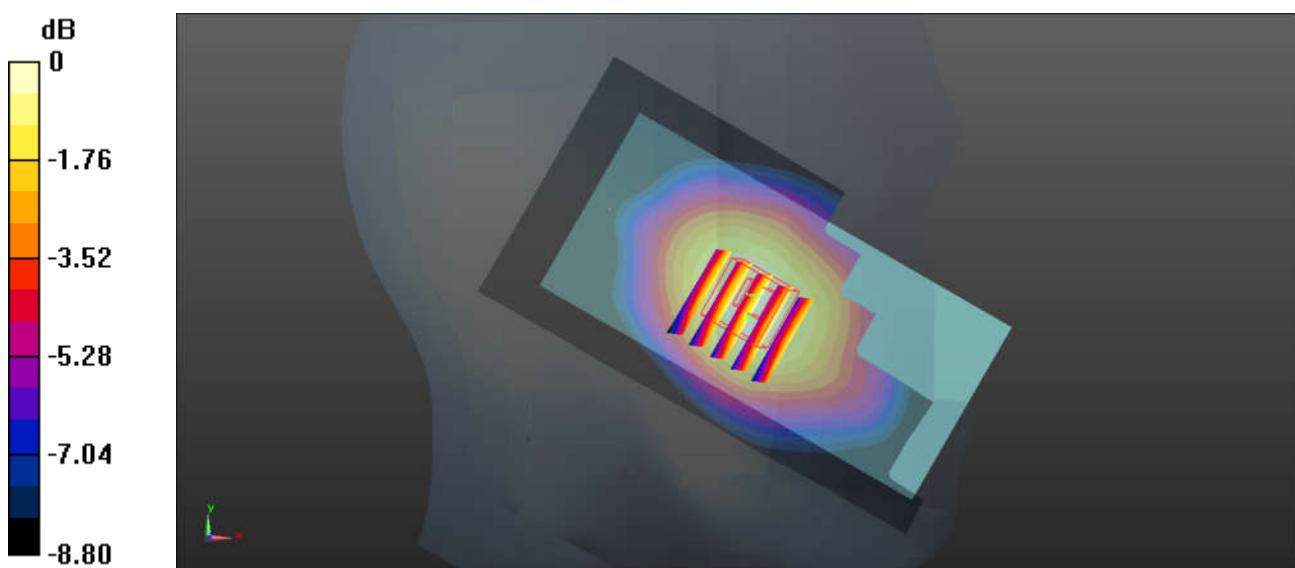
**Ch23330/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) = 0.500 W/kg**Ch23330/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 8.152 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.571 W/kg

**SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.344 W/kg**

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



$$0 \text{ dB} = 0.528 \text{ W/kg} = -2.77 \text{ dBW/kg}$$

**12\_LTE Band 26\_15M\_QPSK\_1RB\_74Offset\_Left Cheek\_0mm\_Ch26865**

Communication System: UID 0, FDD\_LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.904 \text{ S/m}$ ;  $\epsilon_r = 42.188$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.52, 10.52, 10.52); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch26865/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.862 W/kg

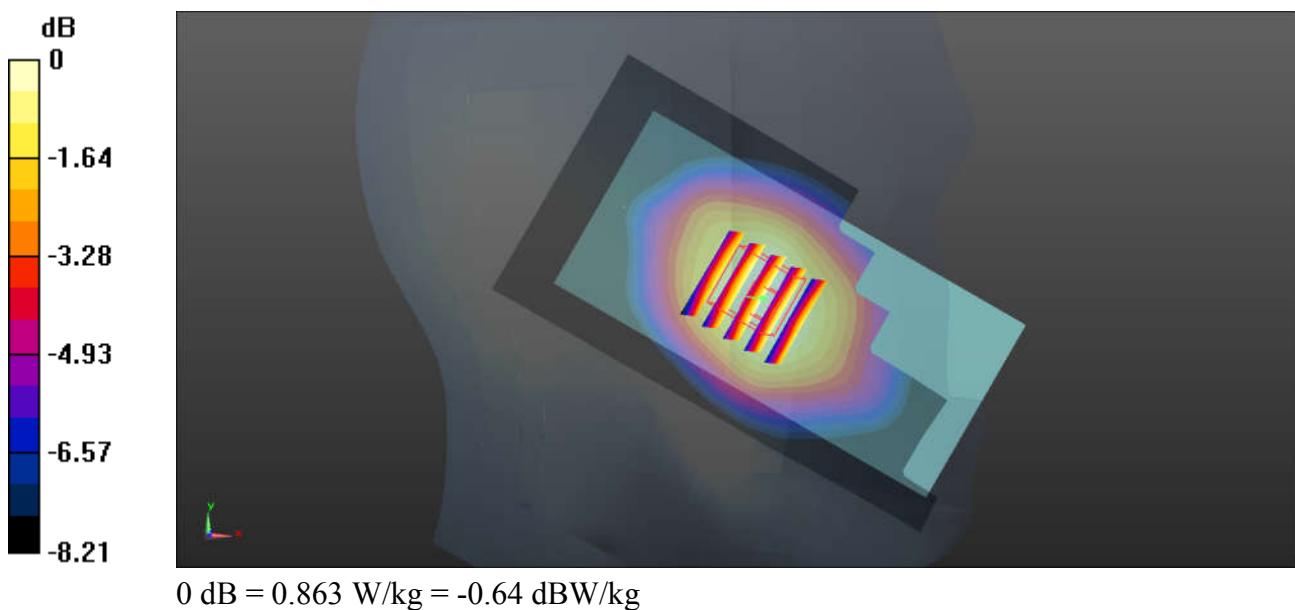
**Ch26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.73 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.903 W/kg

**SAR(1 g) = 0.762 W/kg; SAR(10 g) = 0.591 W/kg**

Maximum value of SAR (measured) = 0.863 W/kg



**13\_LTE Band 66\_20M\_QPSK\_1RB\_99Offset\_Right Cheek\_0mm\_Ch132572**

Communication System: UID 0, FDD\_LTE (0); Frequency: 1770 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750 Medium parameters used:  $f = 1770 \text{ MHz}$ ;  $\sigma = 1.363 \text{ S/m}$ ;  $\epsilon_r = 41.075$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.58, 8.58, 8.58); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

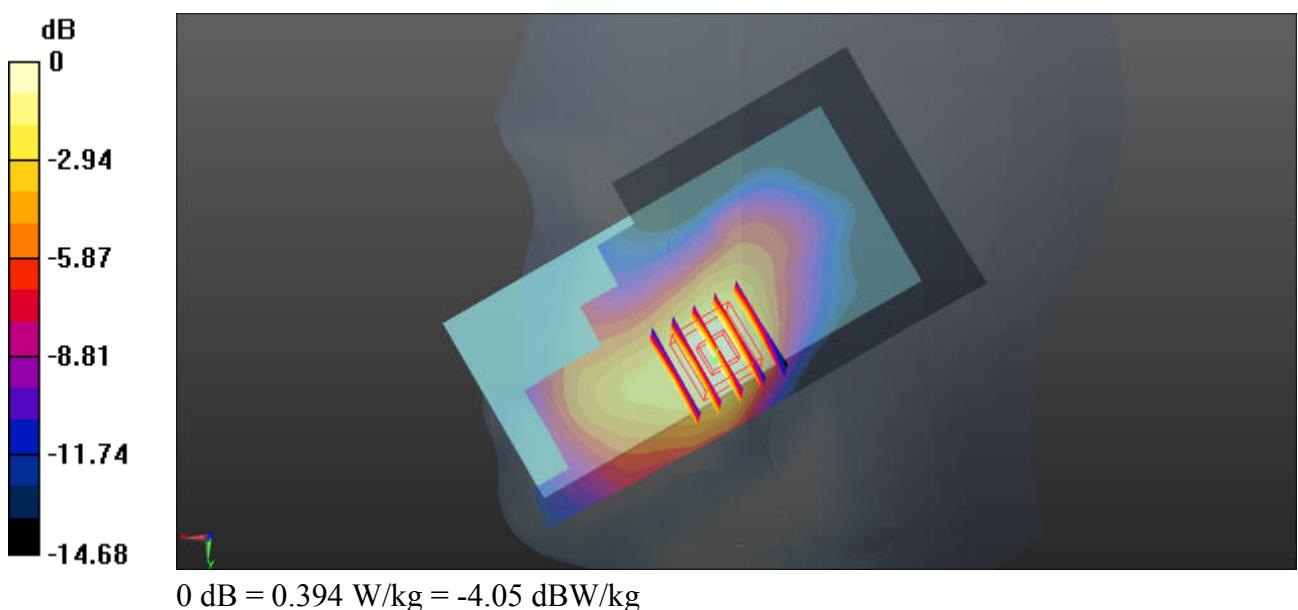
**Ch132572/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.418 W/kg

**Ch132572/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.423 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.425 W/kg

**SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.213 W/kg**

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



**14\_LTE Band 25\_20M\_QPSK\_1RB\_0Offset\_Right Cheek\_0mm\_Ch26590**

Communication System: UID 0, FDD\_LTE (0); Frequency: 1905 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1905 \text{ MHz}$ ;  $\sigma = 1.439 \text{ S/m}$ ;  $\epsilon_r = 39.376$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.32, 8.32, 8.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch26590/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.913 W/kg

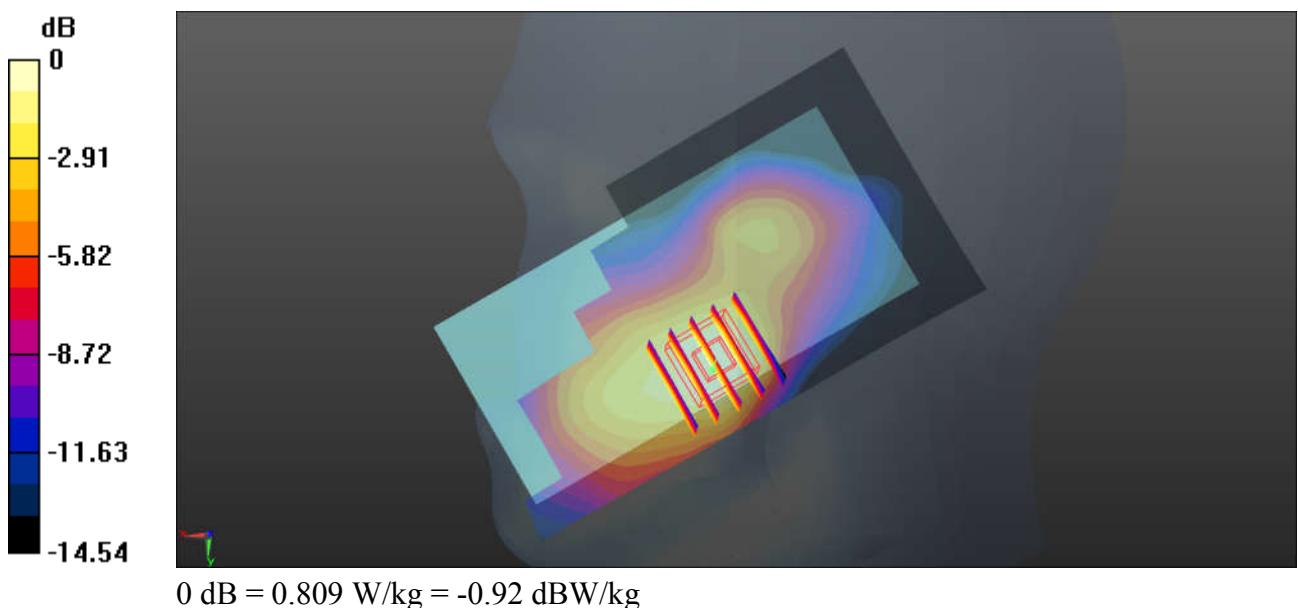
**Ch26590/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.311 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.884 W/kg

**SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.437 W/kg**

Maximum value of SAR (measured) = 0.809 W/kg



**15\_LTE Band 30\_10M\_QPSK\_1RB\_0Offset\_Right Cheek\_0mm\_Ch27710**

Communication System: UID 0, FDD\_LTE (0); Frequency: 2310 MHz; Duty Cycle: 1:1  
Medium: HSL\_2300 Medium parameters used:  $f = 2310 \text{ MHz}$ ;  $\sigma = 1.704 \text{ S/m}$ ;  $\epsilon_r = 39.002$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.95, 7.95, 7.95); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM3; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch27710/Area Scan (71x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.521 W/kg

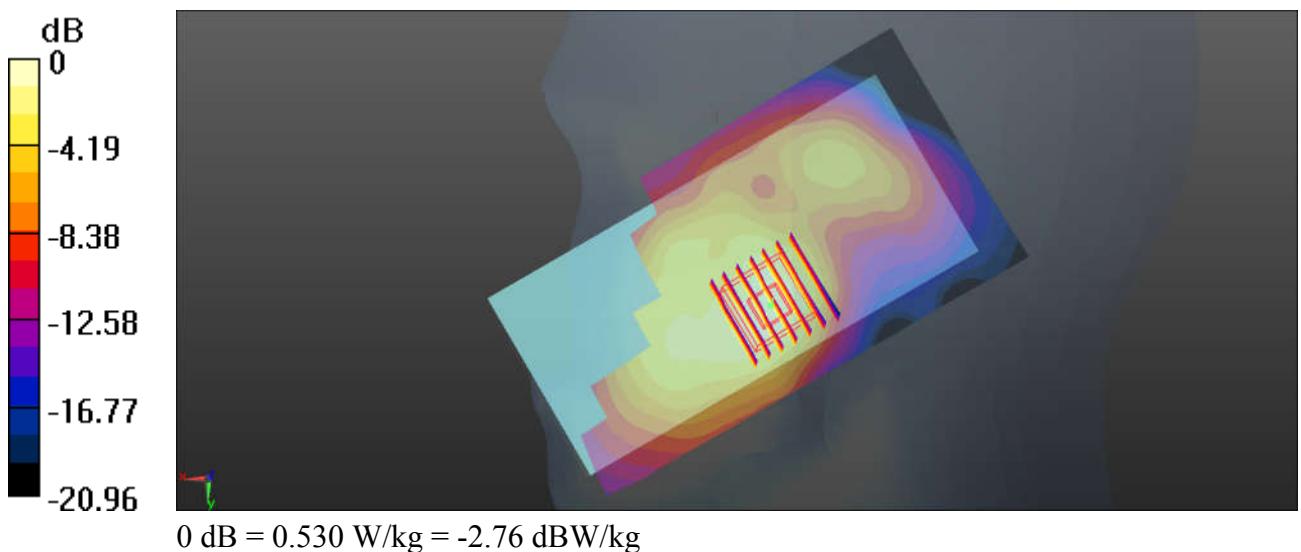
**Ch27710/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.671 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.641 W/kg

**SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.216 W/kg**

Maximum value of SAR (measured) = 0.530 W/kg



**16\_LTE Band 7\_20M\_QPSK\_1RB\_99Offset\_Left Cheek\_0mm\_Ch20850**

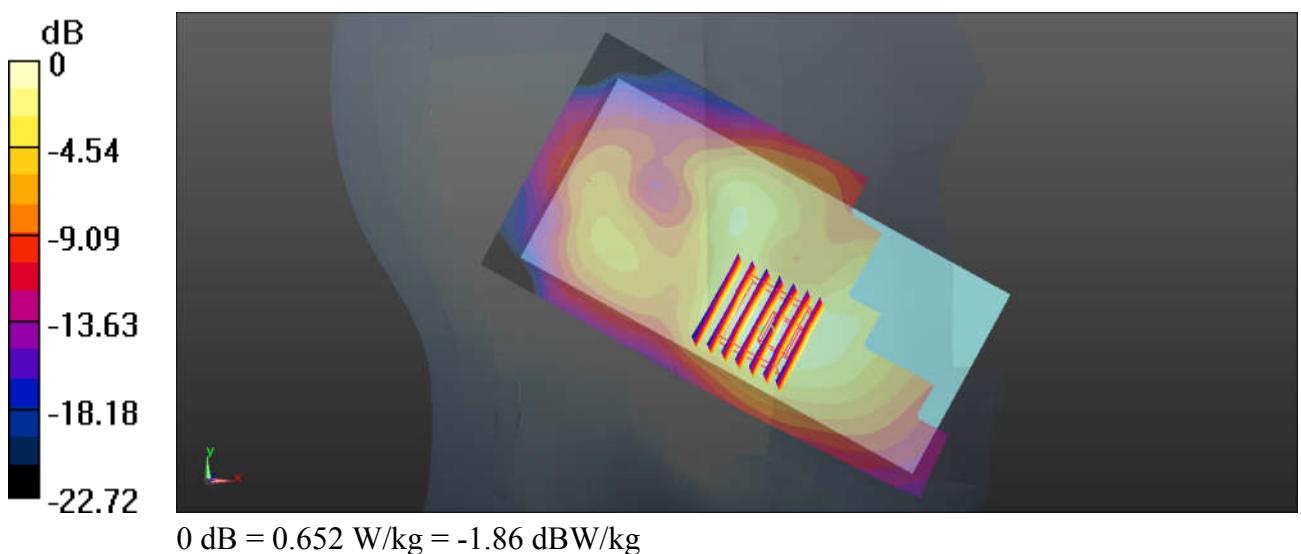
Communication System: UID 0, FDD\_LTE (0); Frequency: 2510 MHz; Duty Cycle: 1:1  
Medium: HSL\_2600 Medium parameters used:  $f = 2510 \text{ MHz}$ ;  $\sigma = 1.932 \text{ S/m}$ ;  $\epsilon_r = 38.24$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.71, 7.71, 7.71); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM3; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20850/Area Scan (71x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.625 W/kg

**Ch20850/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 8.457 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.815 W/kg  
**SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.230 W/kg**  
Maximum value of SAR (measured) = 0.652 W/kg



**17\_LTE Band 41\_20M\_QPSK\_1RB\_99Offset\_Right Cheek\_0mm\_Ch40185**

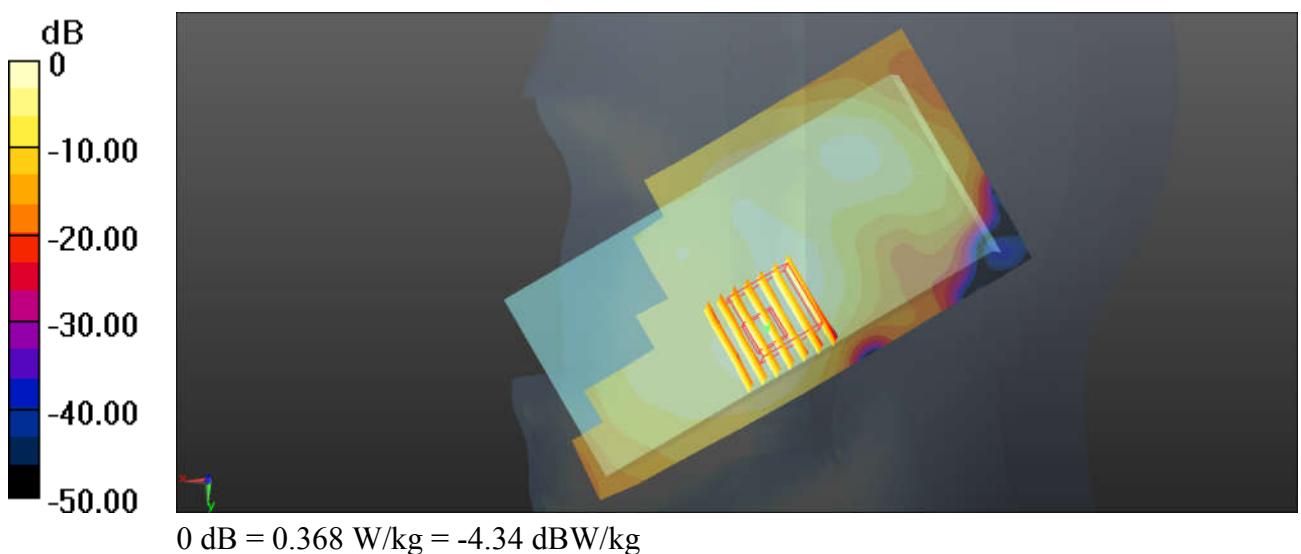
Communication System: UID 0, TDD\_LTE (0); Frequency: 2549.5 MHz; Duty Cycle: 1:1.59  
Medium: HSL\_2600 Medium parameters used:  $f = 2549.5$  MHz;  $\sigma = 1.98$  S/m;  $\epsilon_r = 38.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.62, 7.62, 7.62); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM3; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch40185/Area Scan (71x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.341 W/kg

**Ch40185/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 6.524 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 0.496 W/kg  
**SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.124 W/kg**  
Maximum value of SAR (measured) = 0.368 W/kg



**18\_WLAN2.4GHz\_802.11b 1Mbps\_Left Cheek\_0mm\_Ch6**

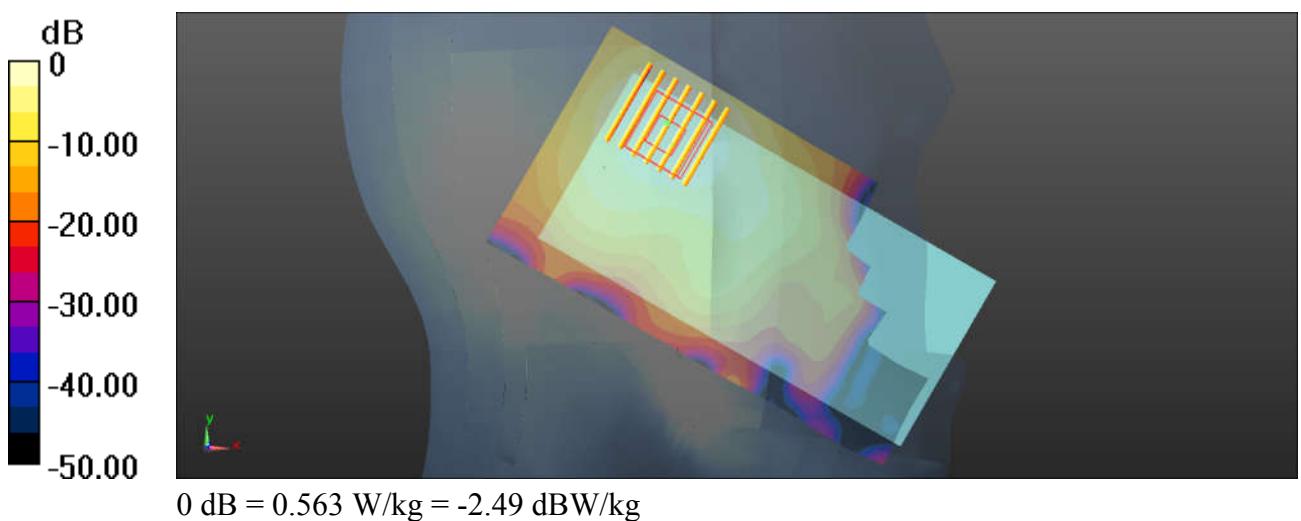
Communication System: UID 0, WIFI (0); Frequency: 2437 MHz; Duty Cycle: 1:1.025  
Medium: HSL\_2450 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.829 \text{ S/m}$ ;  $\epsilon_r = 39.544$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.71, 7.71, 7.71); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM3; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch6/Area Scan (71x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.603 W/kg

**Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 10.85 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.768 W/kg  
**SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.202 W/kg**  
Maximum value of SAR (measured) = 0.563 W/kg



**19\_WLAN5.3GHz\_802.11a 6Mbps\_Left Cheek\_0mm\_Ch64**

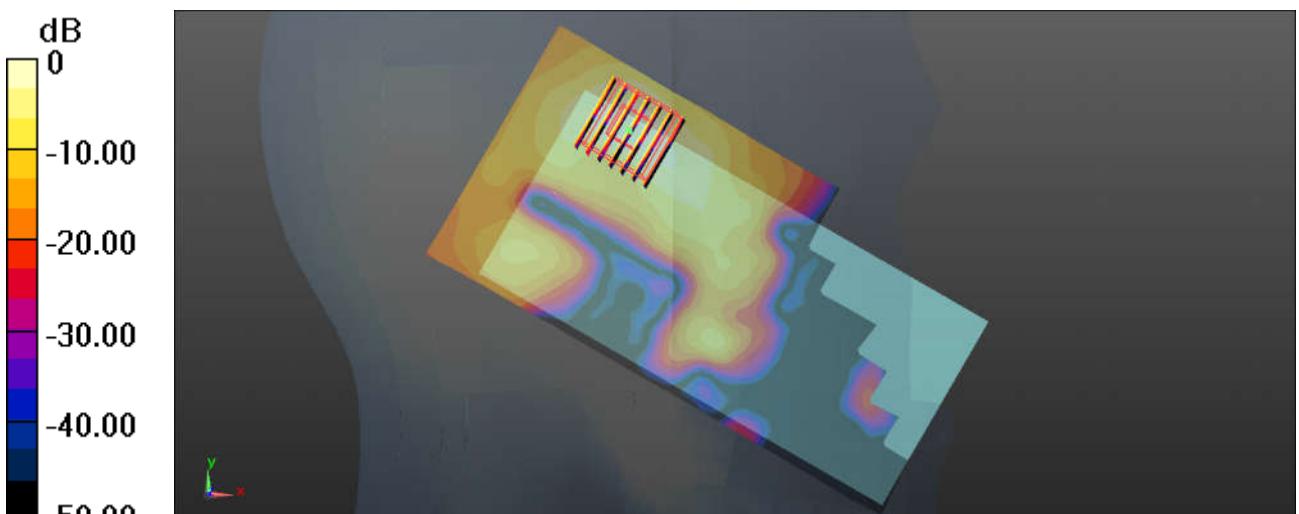
Communication System: UID 0, WIFI (0); Frequency: 5320 MHz; Duty Cycle: 1:1.143  
Medium: HSL\_5000 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.972$  S/m;  $\epsilon_r = 37.264$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.39, 5.39, 5.39); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM3; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch64/Area Scan (81x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.59 W/kg

**Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 2.705 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 2.72 W/kg  
**SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.202 W/kg**  
Maximum value of SAR (measured) = 1.63 W/kg



**20\_WLAN5.5GHz\_802.11a 6Mbps\_Left Cheek\_0mm\_Ch116**

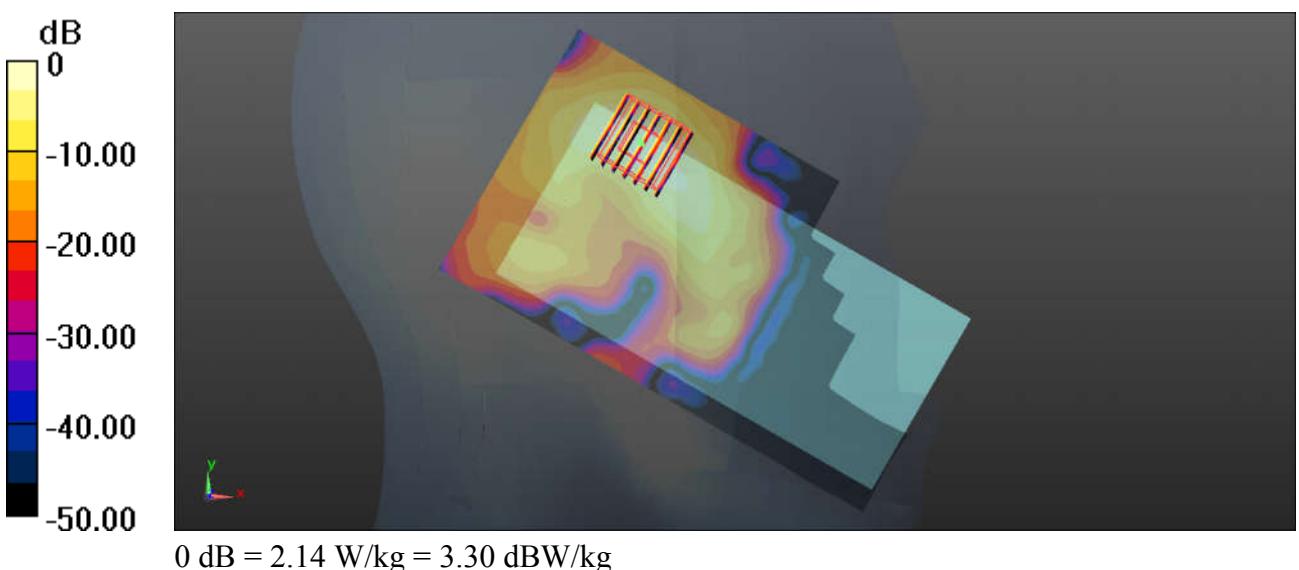
Communication System: UID 0, WIFI (0); Frequency: 5580 MHz; Duty Cycle: 1:1.143  
Medium: HSL\_5000 Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.248 \text{ S/m}$ ;  $\epsilon_r = 36.89$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.04, 5.04, 5.04); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM3; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch116/Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 2.01 W/kg

**Ch116/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 4.705 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 3.59 W/kg  
**SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.251 W/kg**  
Maximum value of SAR (measured) = 2.14 W/kg



**21\_WLAN5.8GHz\_802.11a 6Mbps\_Left Cheek\_0mm\_Ch149**

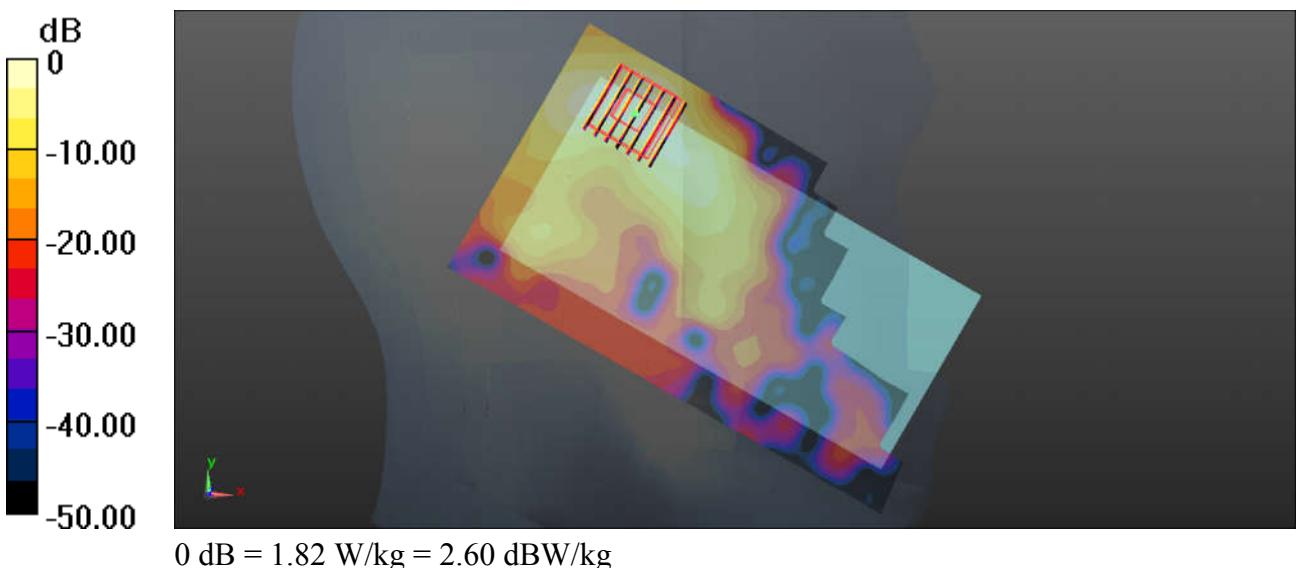
Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1.143  
Medium: HSL\_5000 Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.384 \text{ S/m}$ ;  $\epsilon_r = 34.463$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.34, 5.34, 5.34); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM3; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch149/Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.90 W/kg

**Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 4.698 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 3.20 W/kg  
**SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.240 W/kg**  
Maximum value of SAR (measured) = 1.82 W/kg



**22\_GSM850\_GPRS 2 Tx slots\_Back\_10mm\_Ch251**

Communication System: UID 0, GPRS/EDGE (2 Tx slots) (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.15  
Medium: MSL\_850 Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.985$  S/m;  $\epsilon_r = 56.767$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.32, 10.32, 10.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

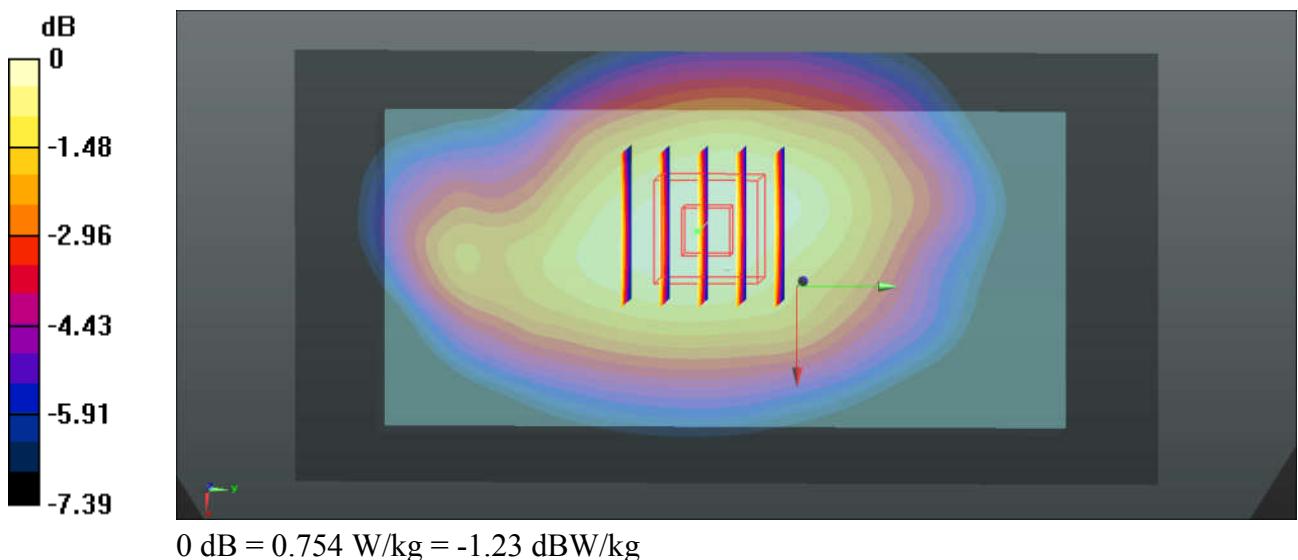
**Ch251/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.744 W/kg

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 26.49 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.806 W/kg

**SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.511 W/kg**

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



**23\_GSM1900\_GPRS 2 Tx slots\_Back\_10mm\_Ch512**

Communication System: UID 0, GPRS/EDGE (2 Tx slots) (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
Medium: MSL\_1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.456$  S/m;  $\epsilon_r = 53.345$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.01, 8.01, 8.01); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch512/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.25 W/kg

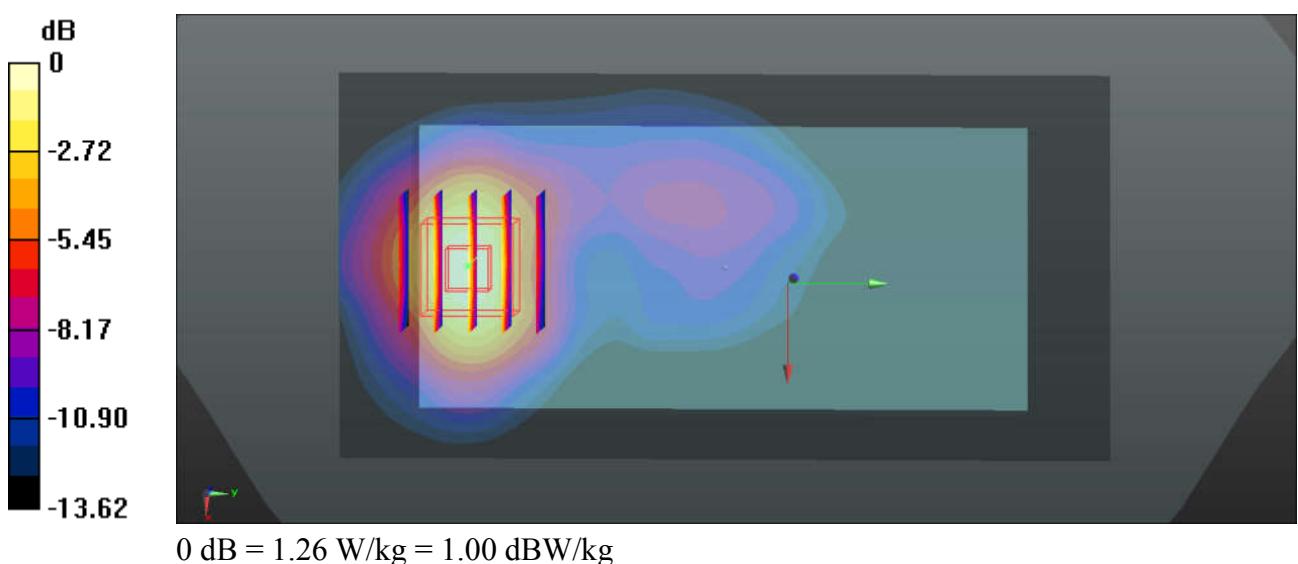
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.35 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.987 W/kg; SAR(10 g) = 0.592 W/kg**

Maximum value of SAR (measured) = 1.26 W/kg



**24\_WCDMA Band V\_RMC 12.2Kbps\_Front\_10mm\_Ch4233**

Communication System: UID 0, UMTS (0); Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_850 Medium parameters used:  $f = 846.6$  MHz;  $\sigma = 0.983$  S/m;  $\epsilon_r = 56.776$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.32, 10.32, 10.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4233/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.758 W/kg

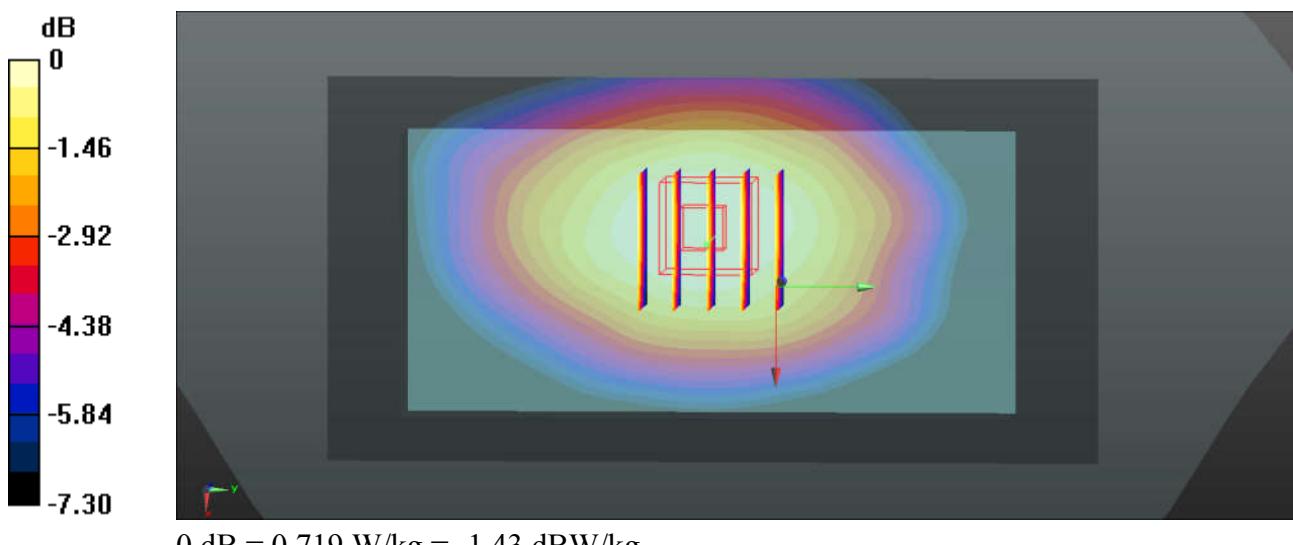
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.24 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.766 W/kg

**SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.509 W/kg**

Maximum value of SAR (measured) = 0.719 W/kg



$$0 \text{ dB} = 0.719 \text{ W/kg} = -1.43 \text{ dBW/kg}$$

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

Communication System: UID 0, UMTS (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750 Medium parameters used:  $f = 1752.6$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 53.311$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.32, 8.32, 8.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch1513/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.23 W/kg

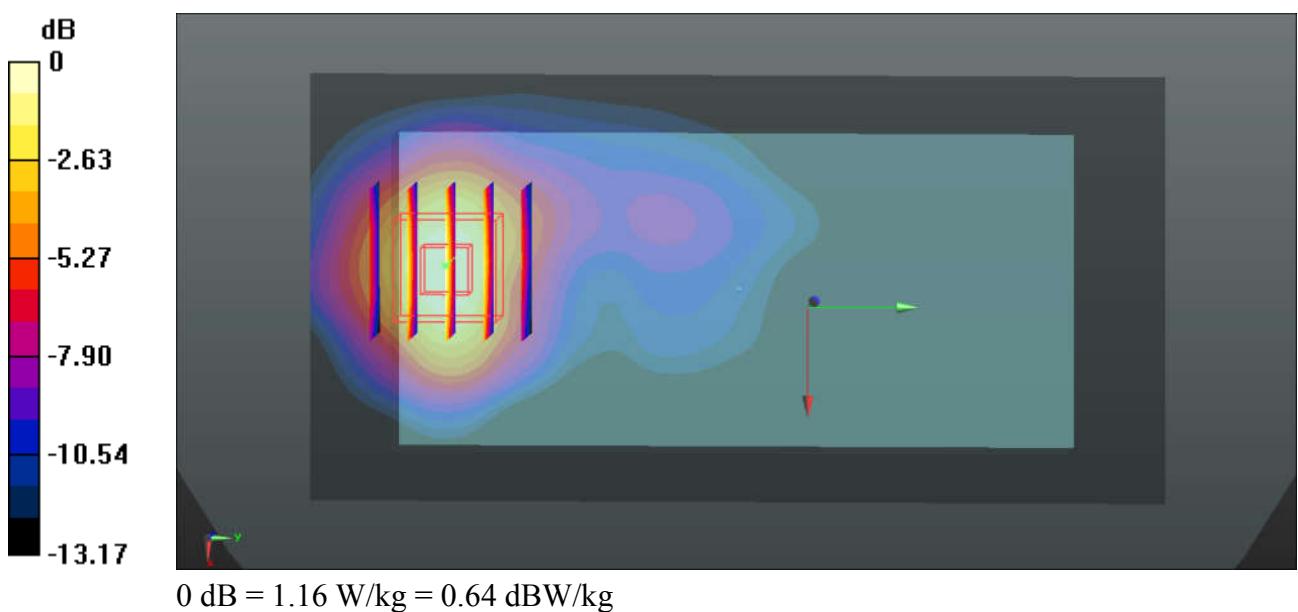
**Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.407 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.560 W/kg**

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



**26\_WCDMA Band II\_RMC 12.2Kbps\_Back\_10mm\_Ch9262**

Communication System: UID 0, UMTS (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 53.338$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.01, 8.01, 8.01); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9262/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.07 W/kg

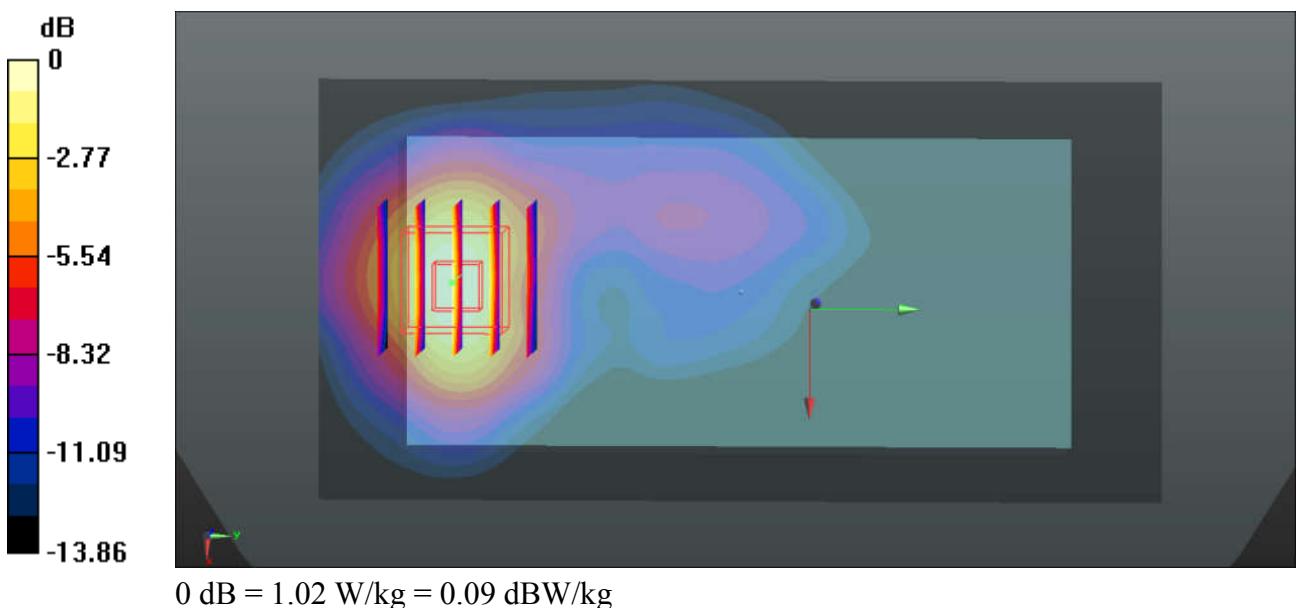
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.424 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.808 W/kg; SAR(10 g) = 0.483 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg



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

Communication System: UID 0, CDMA2000 (0); Frequency: 823.1 MHz; Duty Cycle: 1:1  
 Medium: MSL\_850 Medium parameters used:  $f = 823.1 \text{ MHz}$ ;  $\sigma = 0.961 \text{ S/m}$ ;  $\epsilon_r = 57.002$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.32, 10.32, 10.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch684/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.916 W/kg

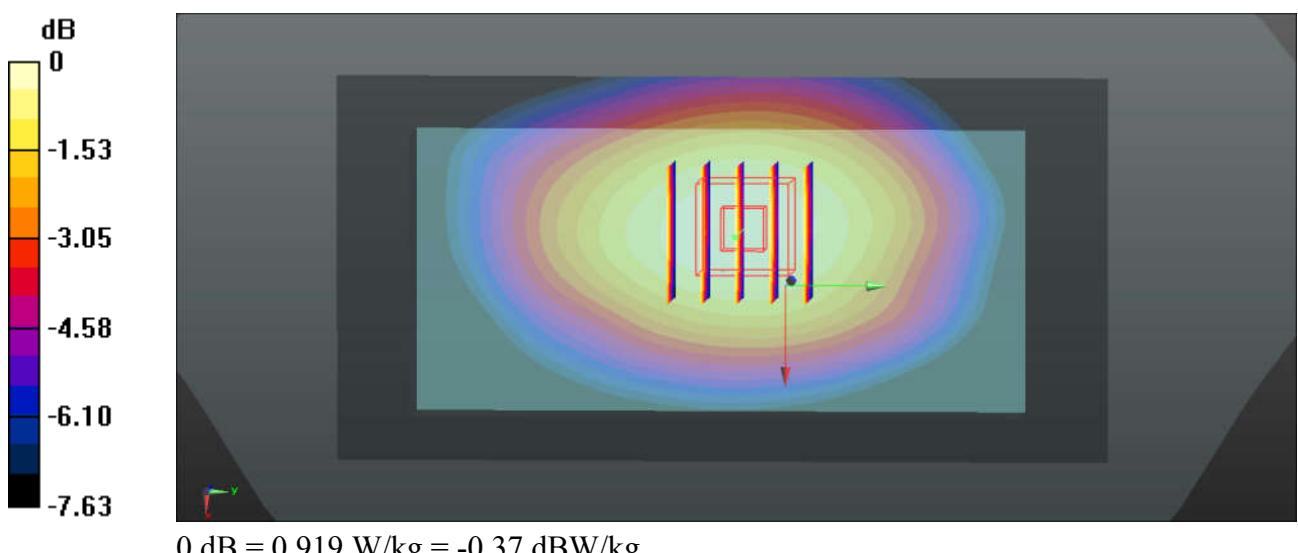
**Ch684/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.05 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.993 W/kg

**SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.624 W/kg**

Maximum value of SAR (measured) = 0.919 W/kg



**28\_CDMA2000 BC0\_RTAP 153.6Kbps\_Front\_10mm\_Ch1013**

Communication System: UID 0, CDMA2000 (0); Frequency: 824.7 MHz; Duty Cycle: 1:1  
Medium: MSL\_850 Medium parameters used:  $f = 824.7 \text{ MHz}$ ;  $\sigma = 0.963 \text{ S/m}$ ;  $\epsilon_r = 56.984$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.32, 10.32, 10.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch1013/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.867 W/kg

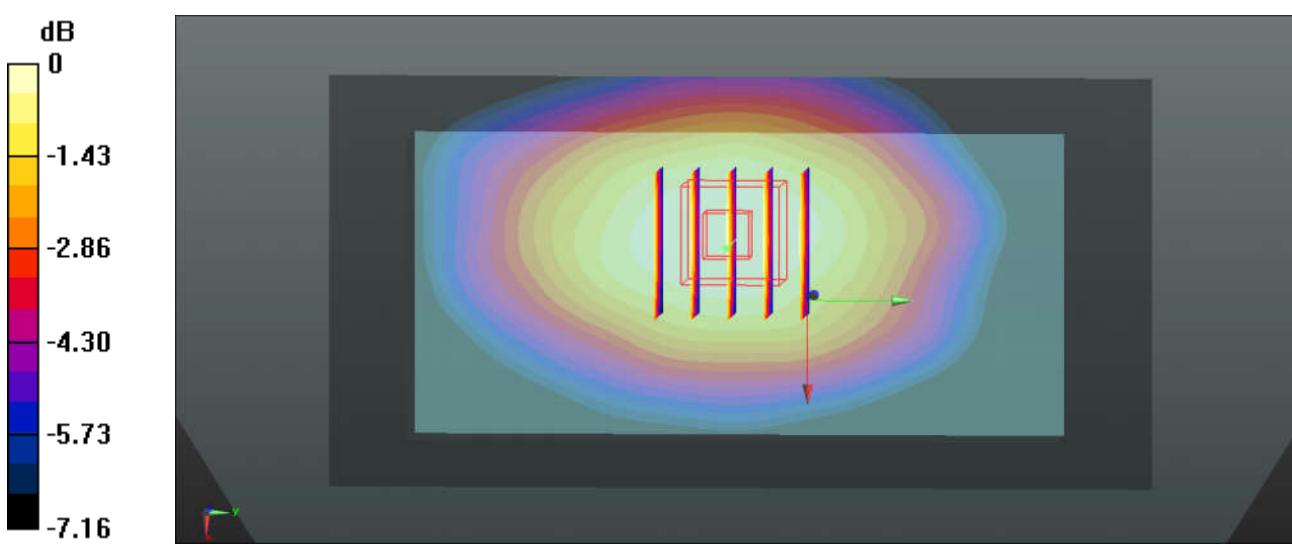
**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.47 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.891 W/kg

**SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.598 W/kg**

Maximum value of SAR (measured) = 0.842 W/kg



$$0 \text{ dB} = 0.842 \text{ W/kg} = -0.75 \text{ dBW/kg}$$

**29\_CDMA2000 BC1\_RTAP 153.6Kbps\_Back\_10mm\_Ch25**

Communication System: UID 0, CDMA2000 (0); Frequency: 1851.25 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.457$  S/m;  $\epsilon_r = 53.344$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.01, 8.01, 8.01); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

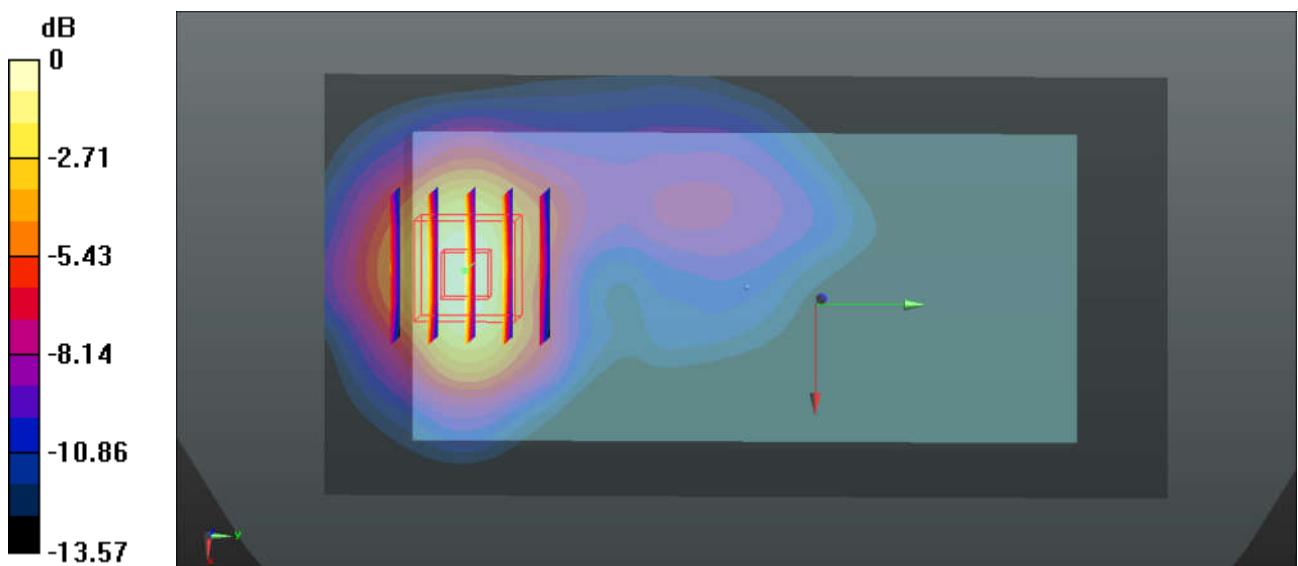
**Ch25/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.38 W/kg

**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.660 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.624 W/kg**

Maximum value of SAR (measured) = 1.32 W/kg



**30\_LTE Band 12\_10M\_QPSK\_1RB\_0Offset\_Back\_10mm\_Ch23095**

Communication System: UID 0, FDD\_LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_750 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 56.978$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.54, 10.54, 10.54); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23095/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.573 W/kg

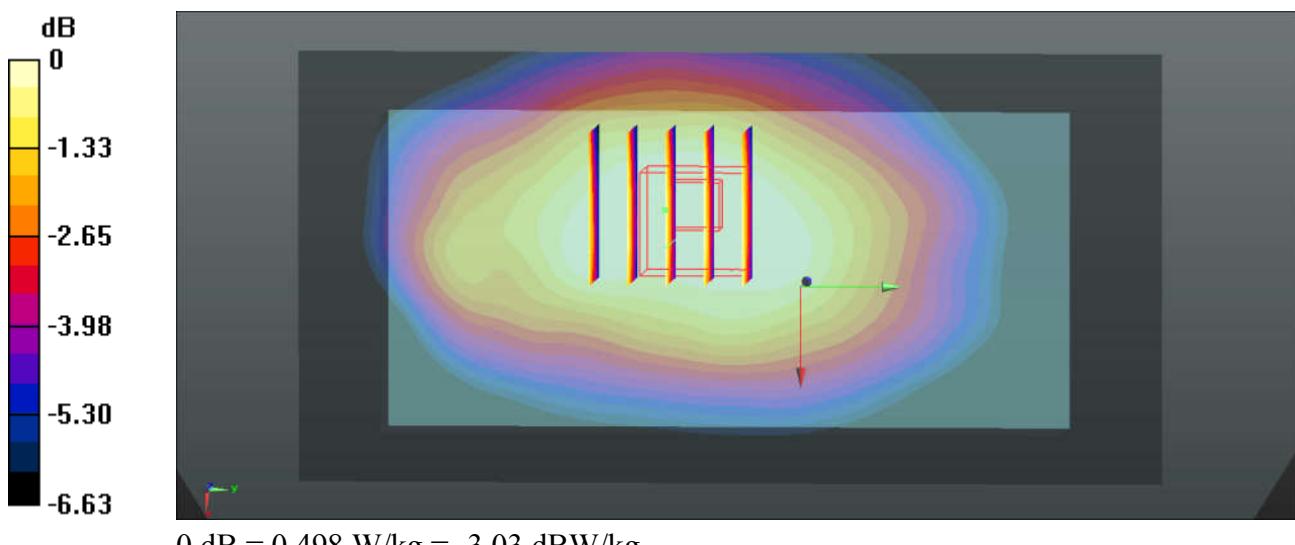
**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.47 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.551 W/kg

**SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.367 W/kg**

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



**31\_LTE Band 13\_10M\_QPSK\_1RB\_0Offset\_Front\_10mm\_Ch23230**

Communication System: UID 0, FDD\_LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium: MSL\_850 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.923 \text{ S/m}$ ;  $\epsilon_r = 57.33$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.54, 10.54, 10.54); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23230/Area Scan (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.424 W/kg

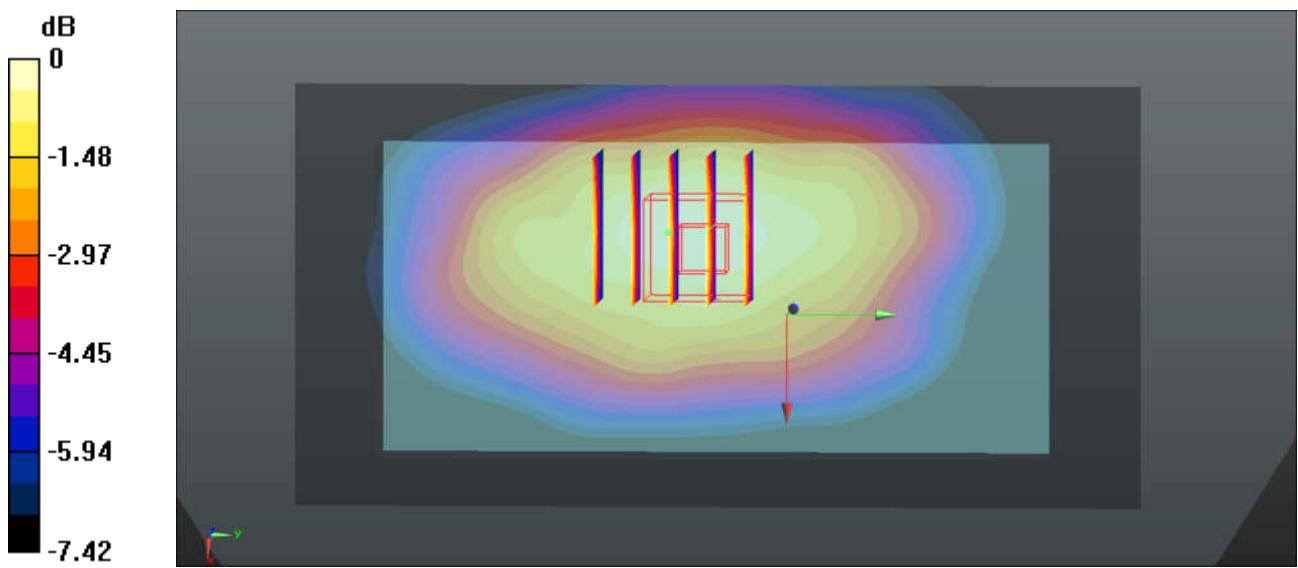
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 19.14 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.459 W/kg

**SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.279 W/kg**

Maximum value of SAR (measured) = 0.425 W/kg



**32\_LTE Band 14\_10M\_QPSK\_1RB\_0Offset\_Back\_10mm\_Ch23330**

Communication System: UID 0, FDD\_LTE (0); Frequency: 793 MHz; Duty Cycle: 1:1

Medium: MSL\_850 Medium parameters used:  $f = 793 \text{ MHz}$ ;  $\sigma = 0.933 \text{ S/m}$ ;  $\epsilon_r = 57.238$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.54, 10.54, 10.54); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23330/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.518 W/kg

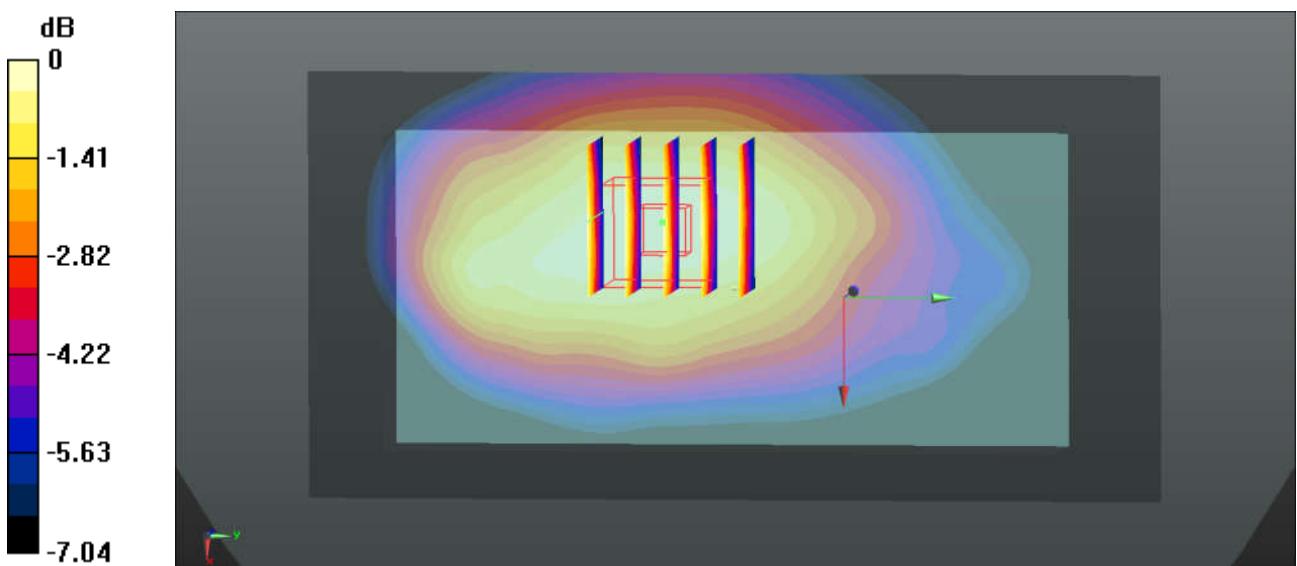
**Ch23330/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.66 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.560 W/kg

**SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.357 W/kg**

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



**33\_LTE Band 26\_15M\_QPSK\_1RB\_74Offset\_Front\_10mm\_Ch26865**

Communication System: UID 0, FDD\_LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_835 Medium parameters used:  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.968 \text{ S/m}$ ;  $\epsilon_r = 56.921$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.32, 10.32, 10.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

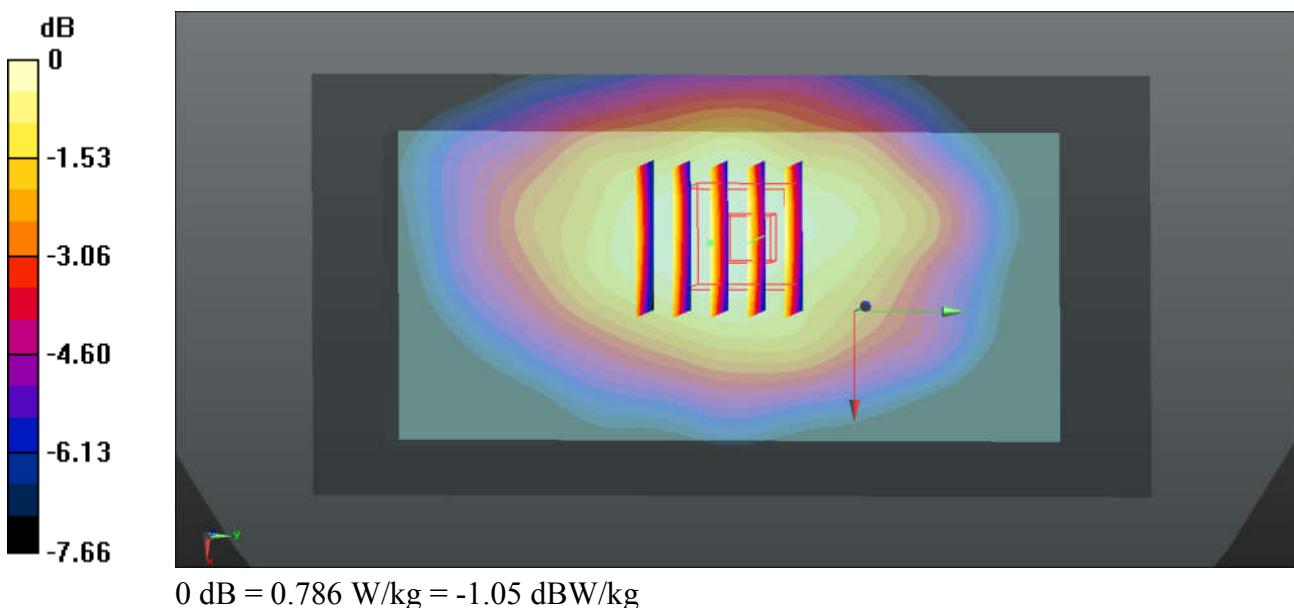
**Ch26865/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.805 W/kg

**Ch26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 26.45 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.861 W/kg

**SAR(1 g) = 0.694 W/kg; SAR(10 g) = 0.533 W/kg**

Maximum value of SAR (measured) = 0.786 W/kg



**34\_LTE Band 66\_20M\_QPSK\_1RB\_99Offset\_Back\_10mm\_Ch132572**

Communication System: UID 0, FDD\_LTE (0); Frequency: 1770 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.499$  S/m;  $\epsilon_r = 53.263$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.32, 8.32, 8.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

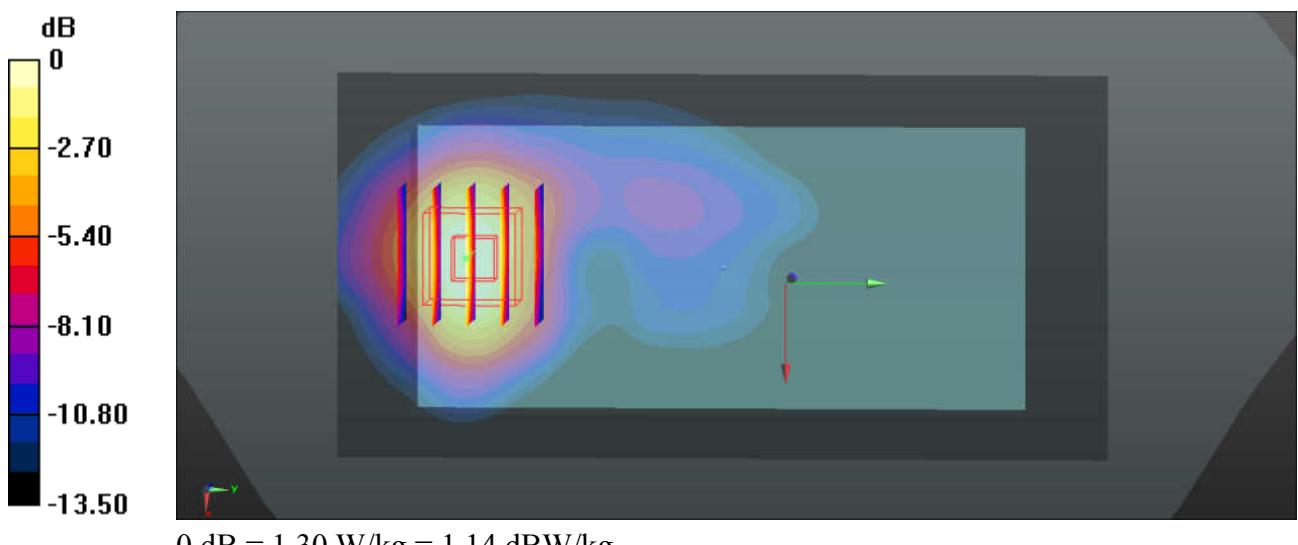
**Ch132572/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.41 W/kg

**Ch132572/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.108 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.652 W/kg**

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



**35\_LTE Band 25\_20M\_QPSK\_1RB\_0Offset\_Back\_10mm\_Ch26140**

Communication System: UID 0, FDD\_LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.467$  S/m;  $\epsilon_r = 53.329$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

## DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.01, 8.01, 8.01); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch26140/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.30 W/kg

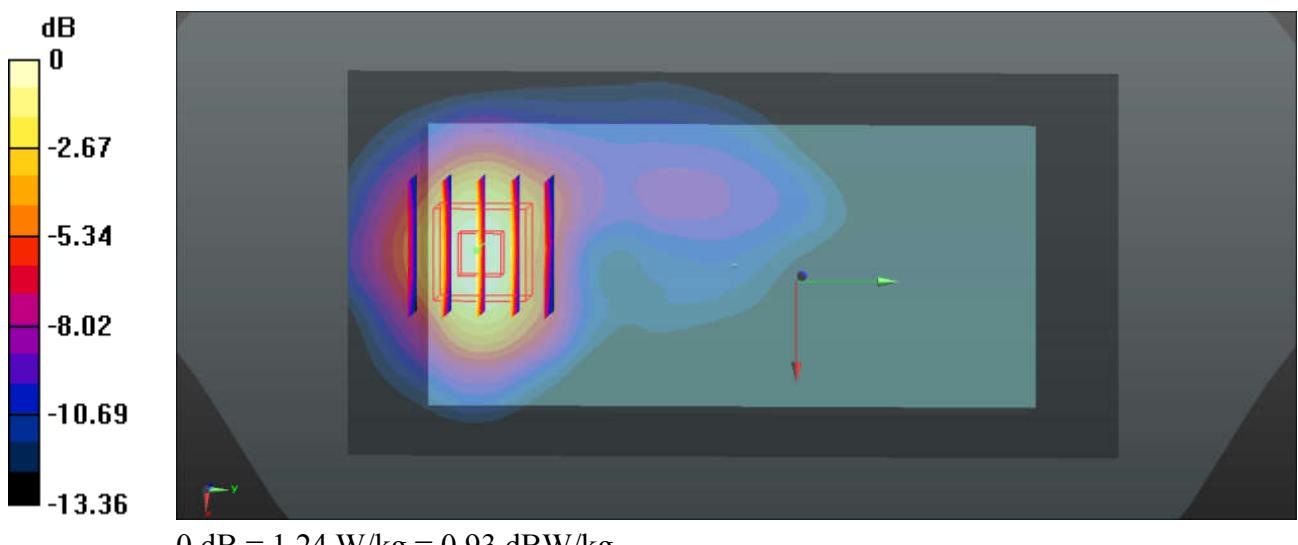
**Ch26140/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.853 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.601 W/kg**

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



**36\_LTE Band 30\_10M\_QPSK\_1RB\_0Offset\_Back\_10mm\_Ch27710**

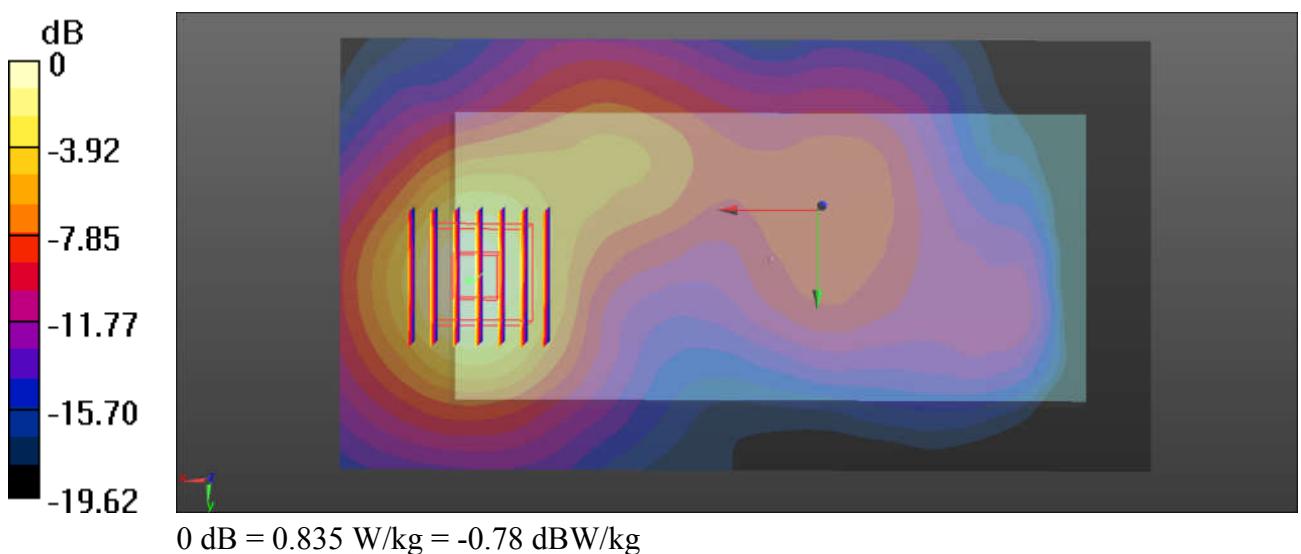
Communication System: UID 0, FDD\_LTE (0); Frequency: 2310 MHz; Duty Cycle: 1:1  
Medium: MSL\_2300 Medium parameters used:  $f = 2310 \text{ MHz}$ ;  $\sigma = 1.787 \text{ S/m}$ ;  $\epsilon_r = 53.509$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.87, 7.87, 7.87); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM2; Type: SAM; Serial: TP-1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch27710/Area Scan (151x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.863 W/kg

**Ch27710/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 7.343 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 1.06 W/kg  
**SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.314 W/kg**  
Maximum value of SAR (measured) = 0.835 W/kg



**37\_LTE Band 7\_20M\_QPSK\_1RB\_99Offset\_Back\_10mm\_Ch20850**

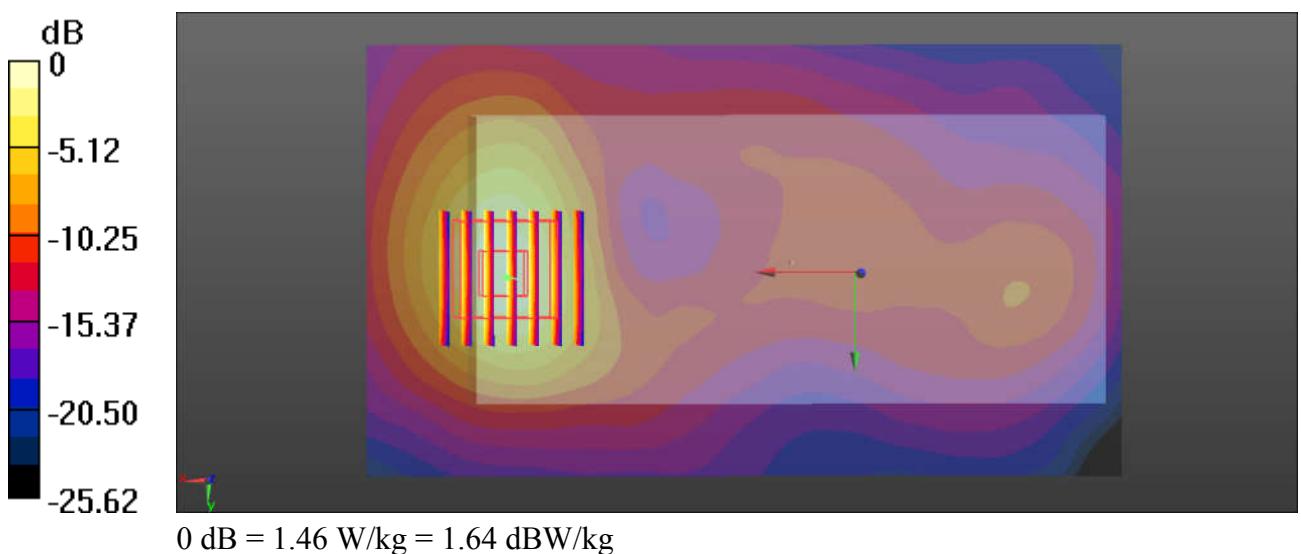
Communication System: UID 0, FDD\_LTE (0); Frequency: 2510 MHz; Duty Cycle: 1:1  
Medium: MSL\_2600 Medium parameters used:  $f = 2510 \text{ MHz}$ ;  $\sigma = 2.067 \text{ S/m}$ ;  $\epsilon_r = 52.827$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.59, 7.59, 7.59); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20850/Area Scan (141x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 1.31 W/kg

**Ch20850/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 7.204 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 1.96 W/kg  
**SAR(1 g) = 0.957 W/kg; SAR(10 g) = 0.459 W/kg**  
Maximum value of SAR (measured) = 1.46 W/kg



**38\_LTE Band 41\_20M\_QPSK\_1RB\_99Offset\_Back\_10mm\_Ch39750**

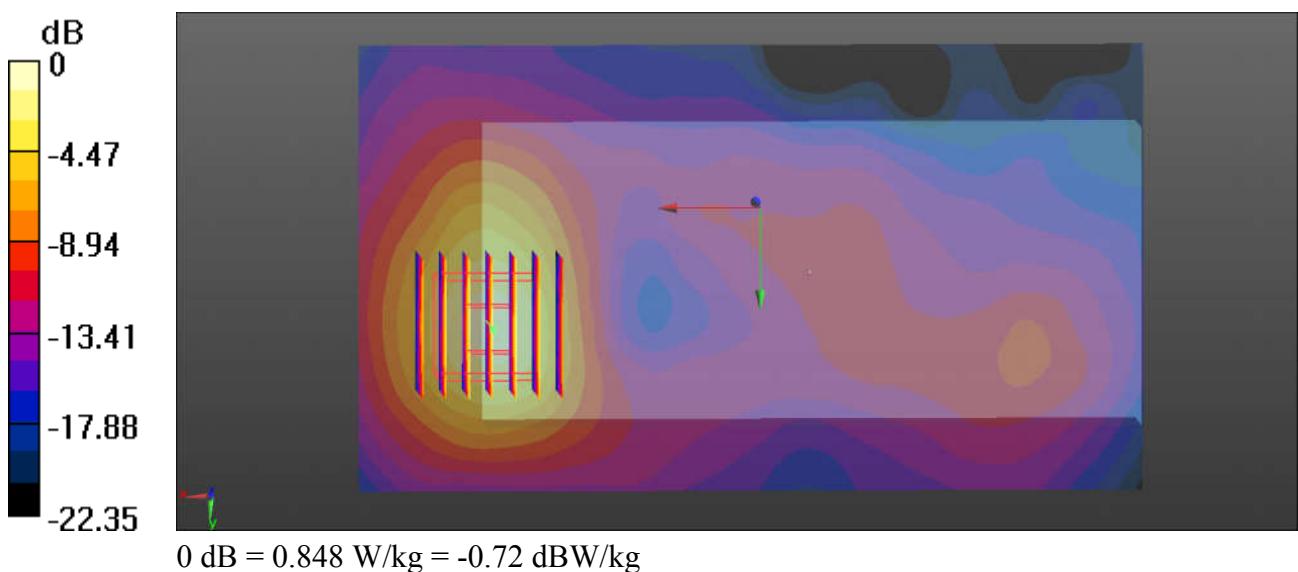
Communication System: UID 0, TDD\_LTE (0); Frequency: 2506 MHz; Duty Cycle: 1:1.59  
Medium: MSL\_2600 Medium parameters used:  $f = 2506 \text{ MHz}$ ;  $\sigma = 2.061 \text{ S/m}$ ;  $\epsilon_r = 52.841$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.7, 7.7, 7.7); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch39750/Area Scan (141x81x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$   
Maximum value of SAR (interpolated) = 0.735 W/kg

**Ch39750/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 5.706 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 1.16 W/kg  
**SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.252 W/kg**  
Maximum value of SAR (measured) = 0.848 W/kg



**39\_WLAN2.4GHz\_802.11b 1Mbps\_Right Side\_10mm\_Ch11**

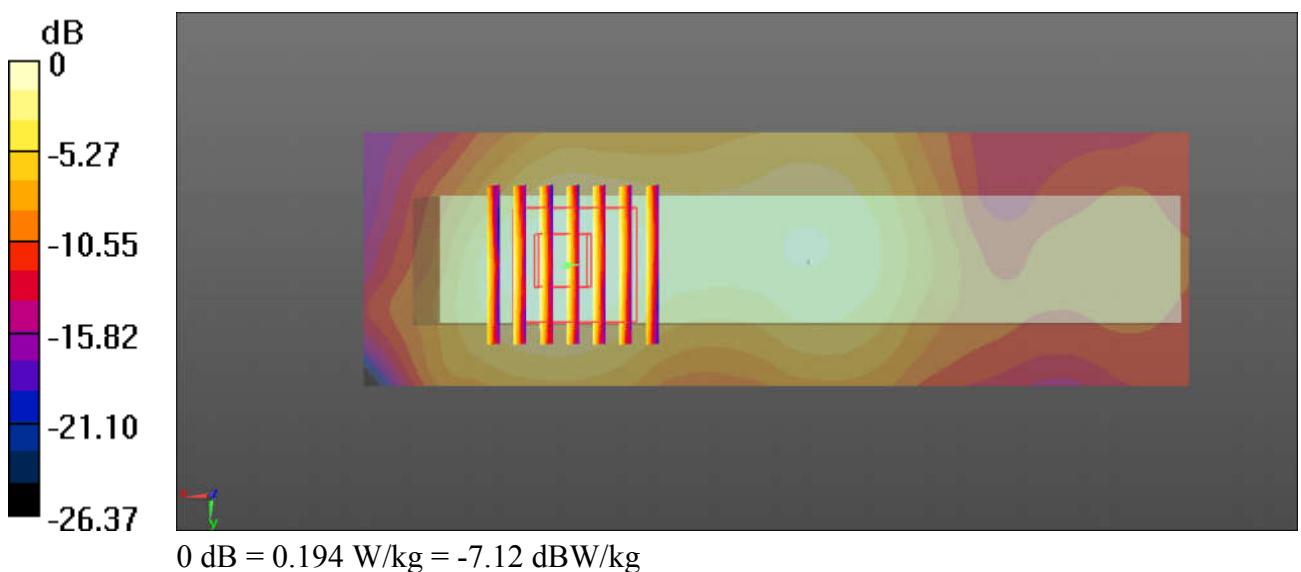
Communication System: UID 0, WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1.025  
Medium: MSL\_2450 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.02 \text{ S/m}$ ;  $\epsilon_r = 53.046$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.7, 7.7, 7.7); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch11/Area Scan (131x41x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.200 W/kg

**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 8.275 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 0.253 W/kg  
**SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.073 W/kg**  
Maximum value of SAR (measured) = 0.194 W/kg



**40\_WLAN5.2GHz\_802.11a 6Mbps\_Right Side\_10mm\_Ch48**

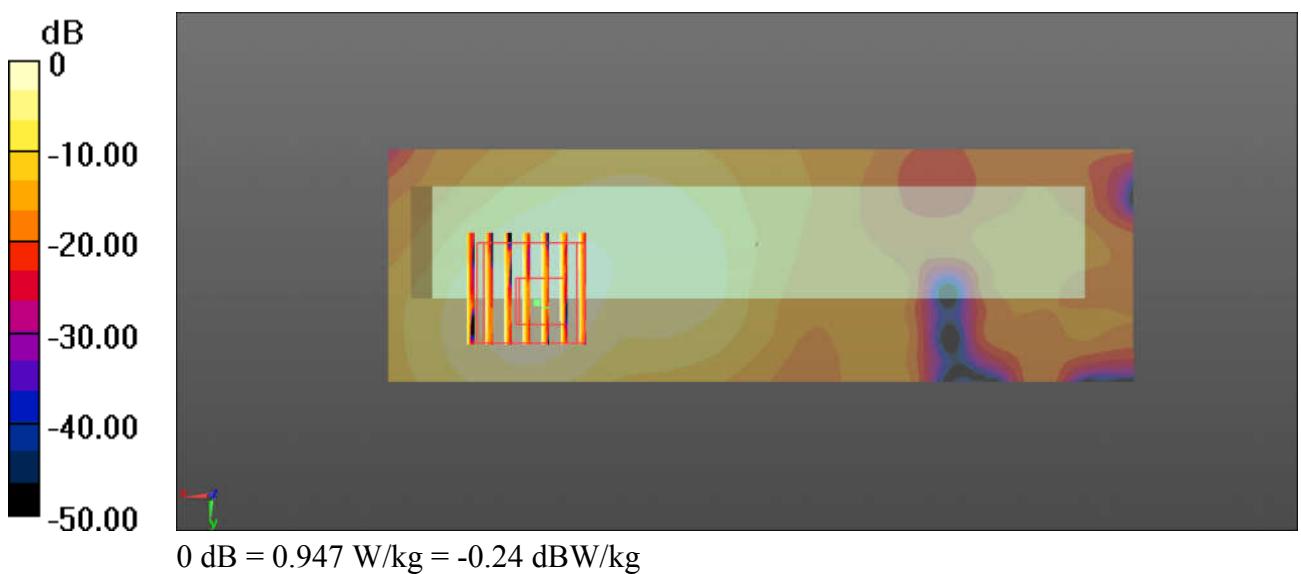
Communication System: UID 0, WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1.143  
Medium: MSL\_5000 Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.363 \text{ S/m}$ ;  $\epsilon_r = 49.129$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.72, 4.72, 4.72); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch48/Area Scan (161x51x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.945 W/kg

**Ch48/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 3.781 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 1.57 W/kg  
**SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.148 W/kg**  
Maximum value of SAR (measured) = 0.947 W/kg



**41\_WLAN5.8GHz\_802.11a 6Mbps\_Right Side\_10mm\_Ch149**

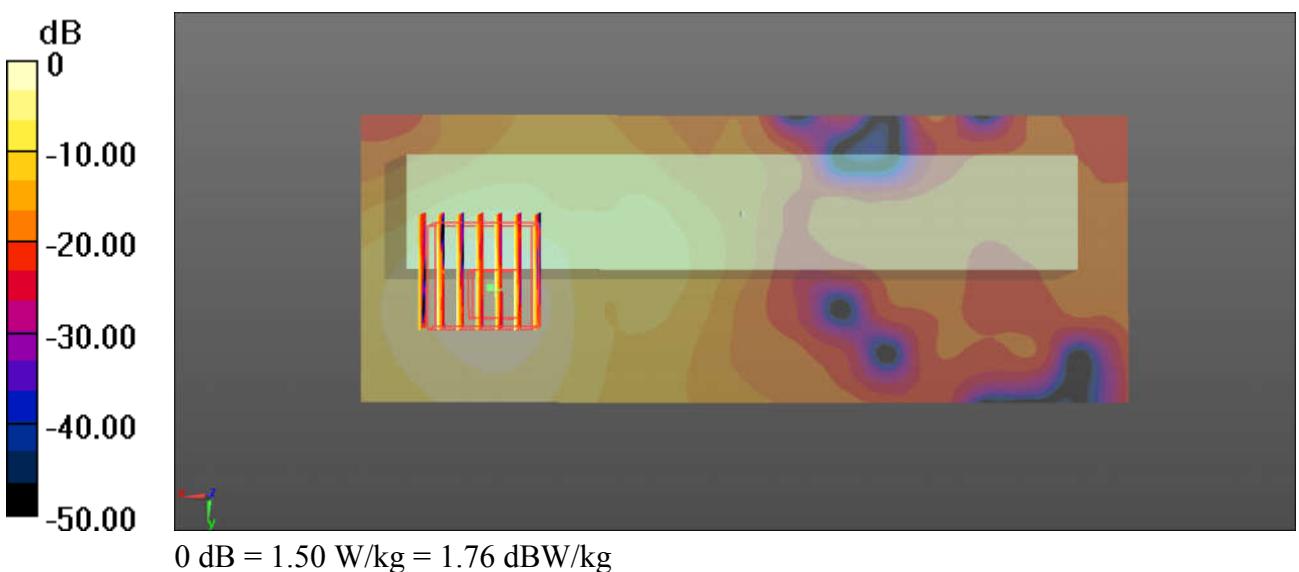
Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1.143  
Medium: MSL\_5000 Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 6.065 \text{ S/m}$ ;  $\epsilon_r = 47.996$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.31, 4.31, 4.31); Calibrated: 2017.5.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM2; Type: SAM; Serial: TP-1644
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch149/Area Scan (161x61x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 1.56 W/kg

**Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 2.671 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 2.66 W/kg  
**SAR(1 g) = 0.640 W/kg; SAR(10 g) = 0.221 W/kg**  
Maximum value of SAR (measured) = 1.50 W/kg



## 42\_Bluetooth\_1Mbps\_Back\_10mm\_Ch78

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.298

Medium: MSL\_2450 Medium parameters used:  $f = 2480 \text{ MHz}$ ;  $\sigma = 2.046 \text{ S/m}$ ;  $\epsilon_r = 52.969$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.7, 7.7, 7.7); Calibrated: 2017.5.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2017.5.25
- Phantom: SAM1; Type: SAM; Serial: TP-1164
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch78/Area Scan (141x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0302 W/kg

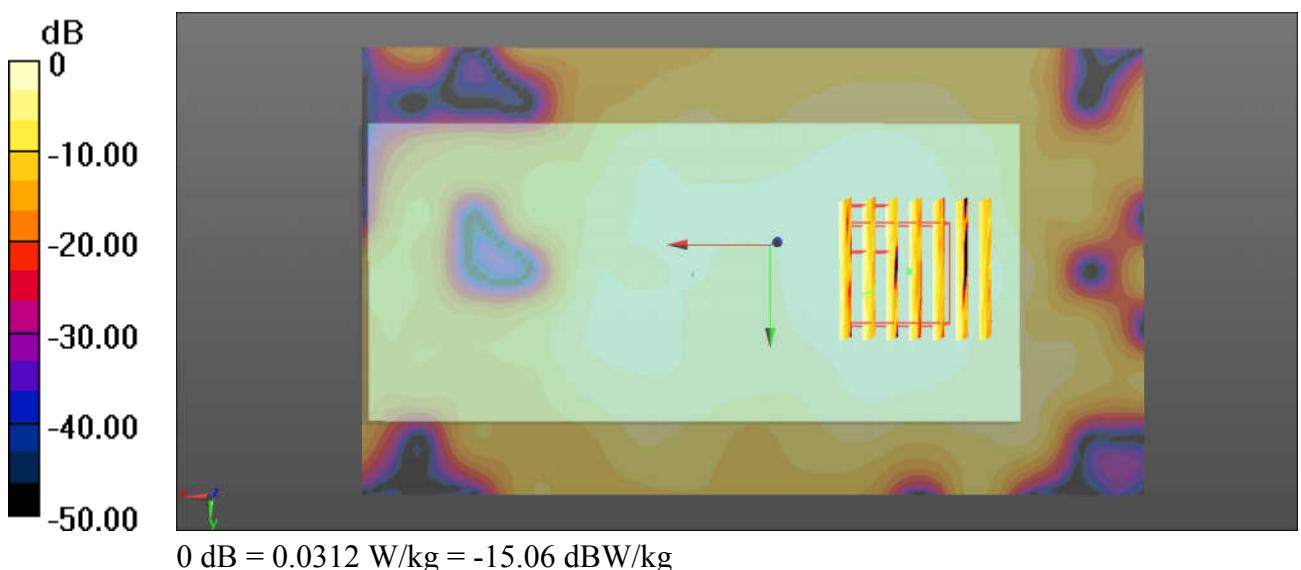
**Ch78/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.832 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.0440 W/kg

**SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.011 W/kg**

Maximum value of SAR (measured) = 0.0312 W/kg



**43\_GSM850\_GPRS 2 Tx slots\_Back\_15mm\_Ch251**

Communication System: UID 0, GPRS/EDGE (2 Tx slots) (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: MSL\_850 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.985 \text{ S/m}$ ;  $\epsilon_r = 56.767$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.32, 10.32, 10.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

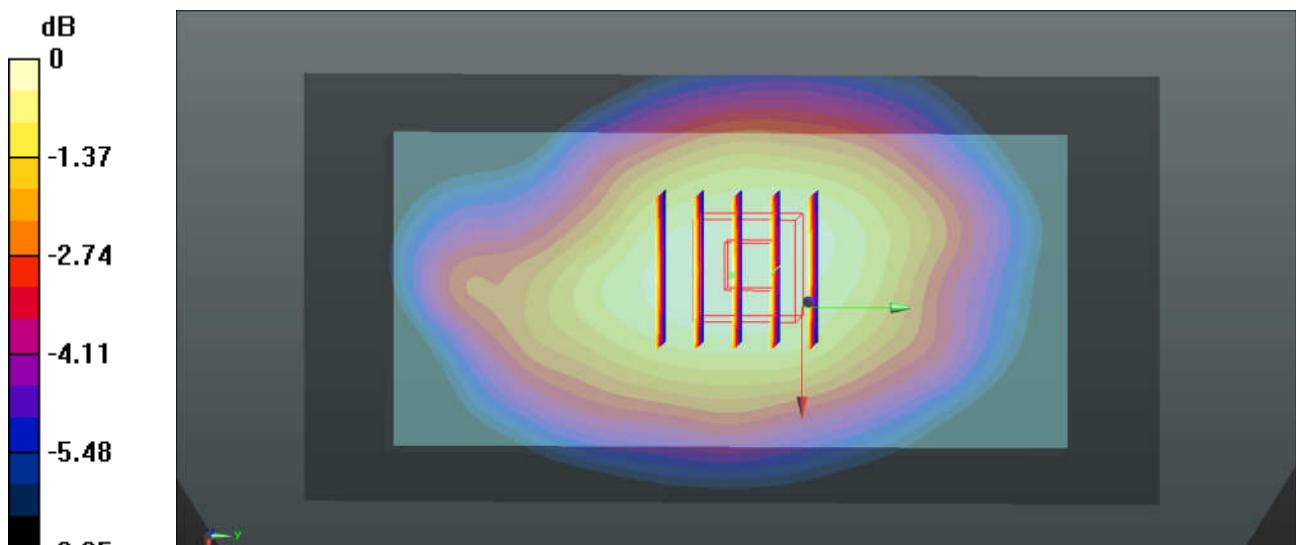
**Ch251/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.573 W/kg**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.60 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.600 W/kg

**SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.393 W/kg**

Maximum value of SAR (measured) = 0.556 W/kg



$$0 \text{ dB} = 0.556 \text{ W/kg} = -2.55 \text{ dBW/kg}$$

**44\_GSM1900\_GPRS 2 Tx slots\_Back\_15mm\_Ch512**

Communication System: UID 0, GPRS/EDGE (2 Tx slots) (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
Medium: MSL\_1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.456$  S/m;  $\epsilon_r = 53.345$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.01, 8.01, 8.01); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch512/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.690 W/kg

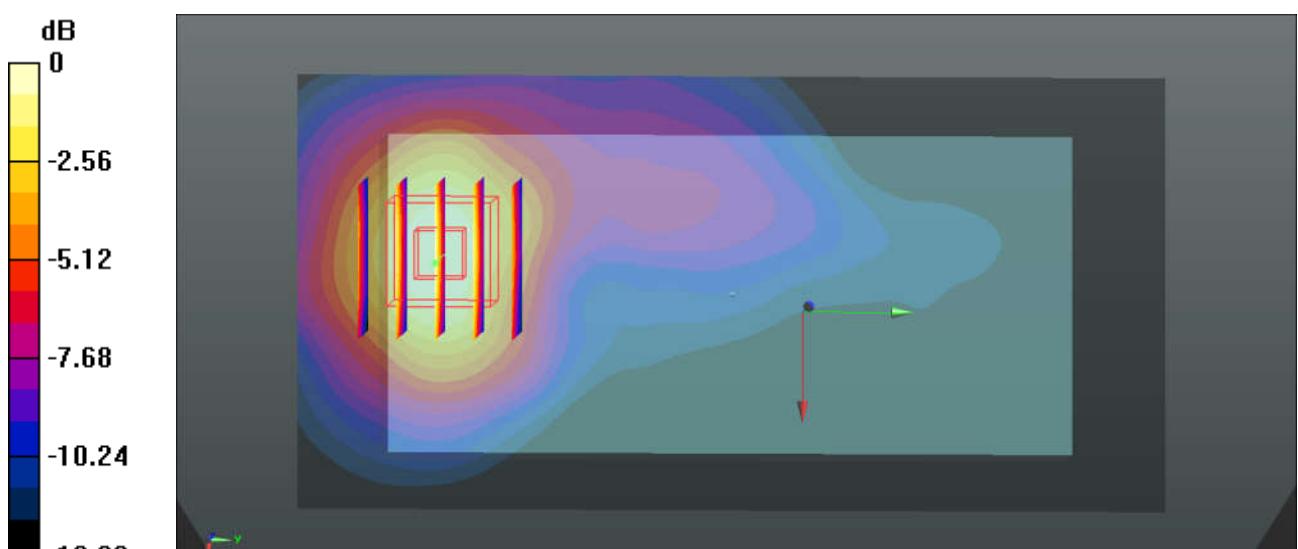
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.892 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.725 W/kg

**SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.342 W/kg**

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



**45\_WCDMA Band V\_RMC 12.2Kbps\_Front\_15mm\_Ch4233**

Communication System: UID 0, UMTS (0); Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_850 Medium parameters used:  $f = 846.6$  MHz;  $\sigma = 0.983$  S/m;  $\epsilon_r = 56.776$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.32, 10.32, 10.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4233/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.584 W/kg

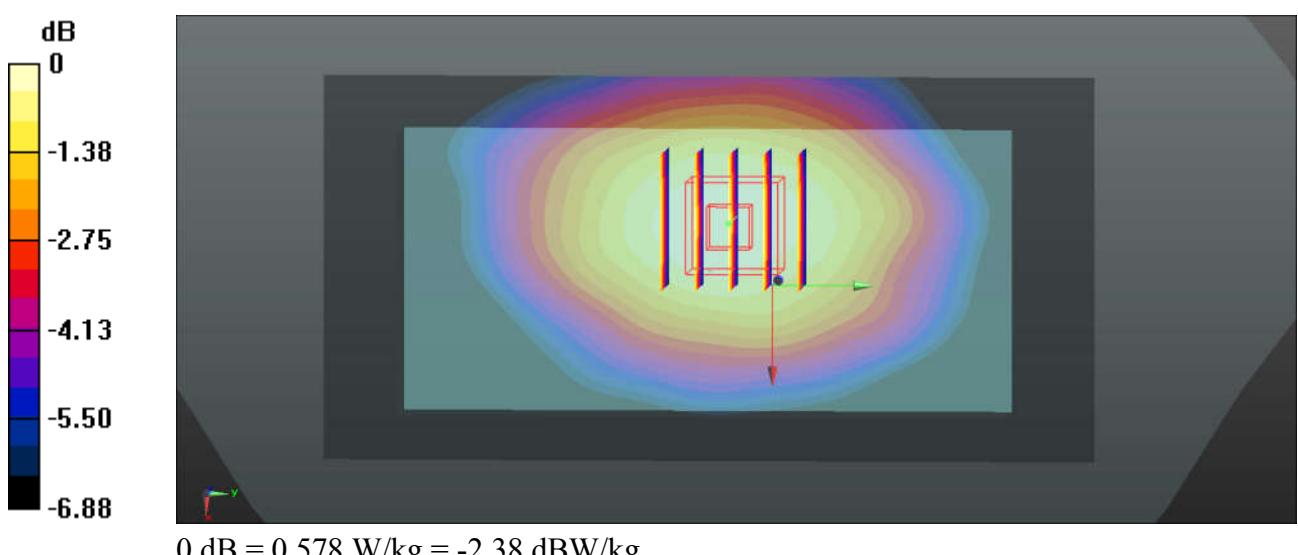
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.37 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.612 W/kg

**SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.403 W/kg**

Maximum value of SAR (measured) = 0.578 W/kg



**46\_WCDMA Band IV\_RMC 12.2Kbps\_Back\_15mm\_Ch1513**

Communication System: UID 0, UMTS (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750 Medium parameters used:  $f = 1752.6$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 53.311$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.32, 8.32, 8.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch1513/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.35 W/kg

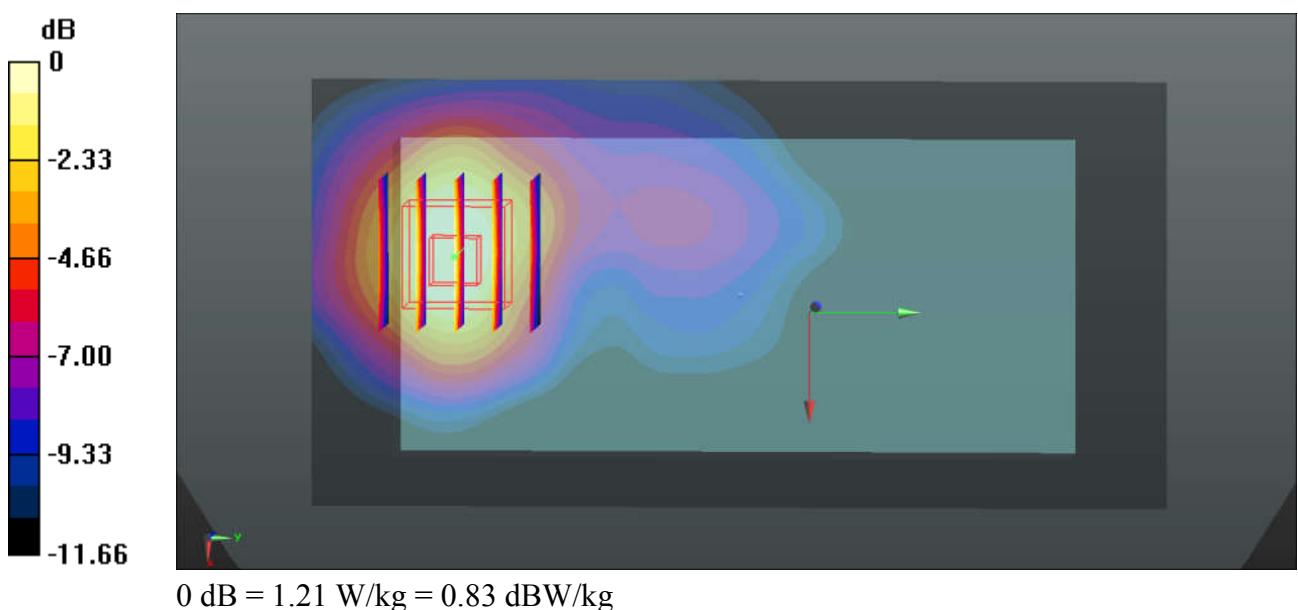
**Ch1513/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.73 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.635 W/kg**

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



**47\_WCDMA Band II\_RMC 12.2Kbps\_Back\_15mm\_Ch9262**

Communication System: UID 0, UMTS (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 53.338$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.01, 8.01, 8.01); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9262/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.18 W/kg

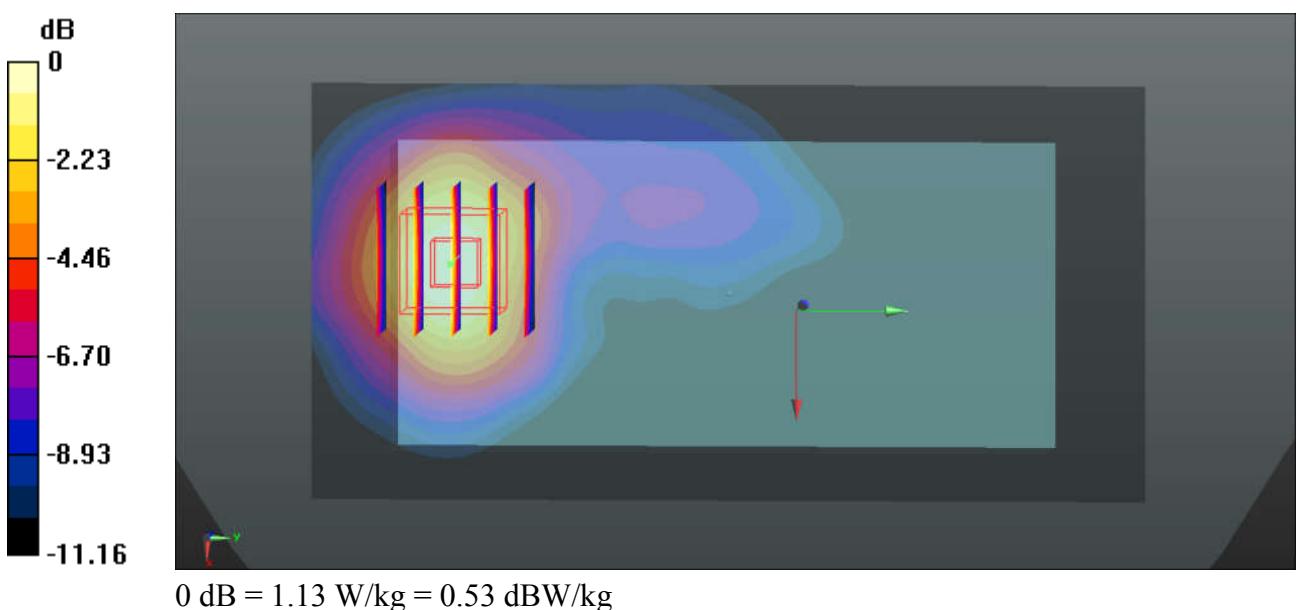
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.06 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.590 W/kg**

Maximum value of SAR (measured) = 1.13 W/kg



**48\_CDMA2000 BC10\_RC3 SO32 (F+SCH) \_Front\_15mm\_Ch476**

Communication System: UID 0, CDMA2000 (0); Frequency: 817.9 MHz; Duty Cycle: 1:1  
Medium: MSL\_835 Medium parameters used:  $f = 817.9$  MHz;  $\sigma = 0.956$  S/m;  $\epsilon_r = 57.035$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.32, 10.32, 10.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch476/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.763 W/kg

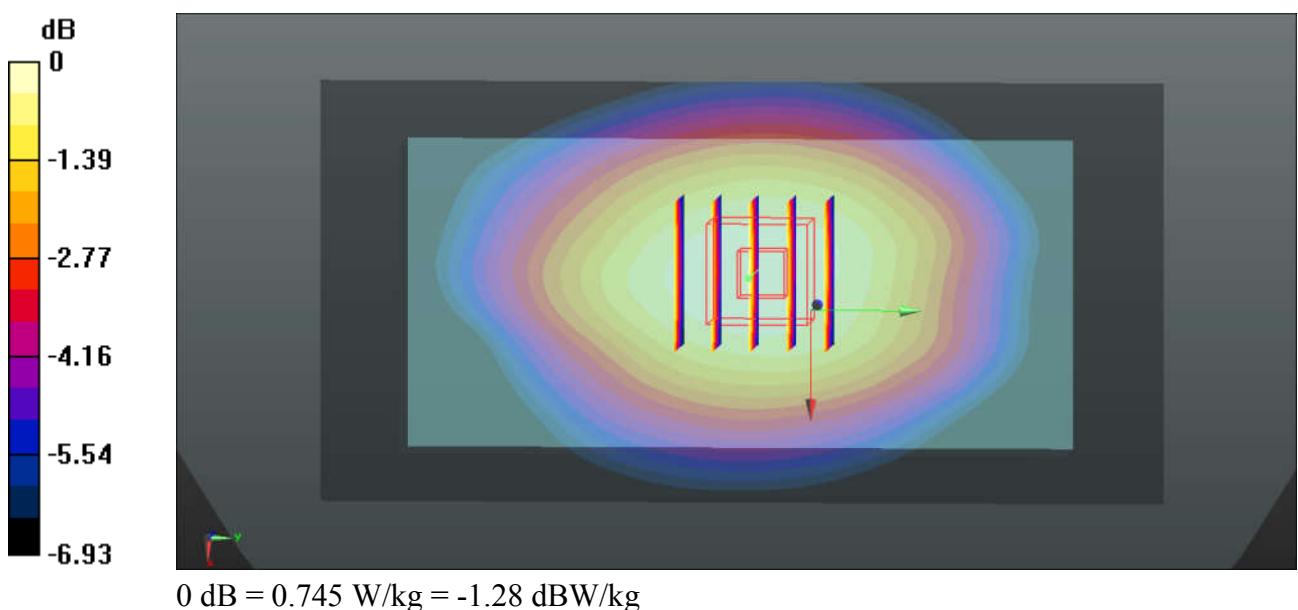
**Ch476/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.77 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.802 W/kg

**SAR(1 g) = 0.663 W/kg; SAR(10 g) = 0.519 W/kg**

Maximum value of SAR (measured) = 0.745 W/kg



**49\_CDMA2000 BC0\_RC3 SO32 (F+SCH) \_Front\_15mm\_Ch1013**

Communication System: UID 0, CDMA2000 (0); Frequency: 824.7 MHz; Duty Cycle: 1:1  
 Medium: MSL\_835 Medium parameters used:  $f = 824.7 \text{ MHz}$ ;  $\sigma = 0.963 \text{ S/m}$ ;  $\epsilon_r = 56.984$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.32, 10.32, 10.32); Calibrated: 2016.11.28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2017.5.2
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch1013/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.763 W/kg

**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.85 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.813 W/kg

**SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.525 W/kg**

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

