



REPORT No. : SZ19020019S01

## Annex D Plots of Maximum SAR Test Results

### GSM850\_GPRS(2 TX slots)\_Right Cheek\_Ch128

Communication System: UID 0, GSM850(class 10) (0); Frequency: 824.2 MHz;Duty Cycle: 1:4.15  
Medium: HSL\_835 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.912$  S/m;  $\epsilon_r = 42.374$ ;  $\rho$

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

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(9.32, 9.32, 9.32); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch128/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.415 W/kg

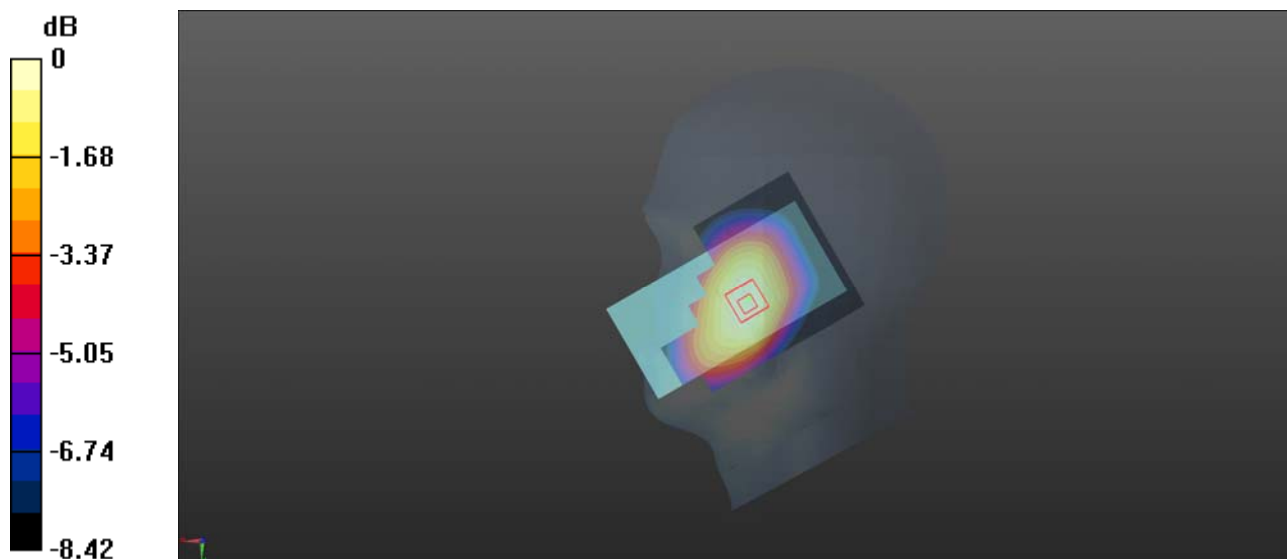
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.360 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.490 W/kg

**SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.315 W/kg**

Maximum value of SAR (measured) = 0.422 W/kg



0 dB = 0.422 W/kg

### GSM1900\_GPRS(3 TX slots)\_Right Cheek\_Ch661

Communication System: UID 0, PCS1900(class 11) (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77  
Medium: HSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.438$  S/m;  $\epsilon_r = 40.969$ ;  $\rho$

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

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.68, 7.68, 7.68); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch661/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0811 W/kg

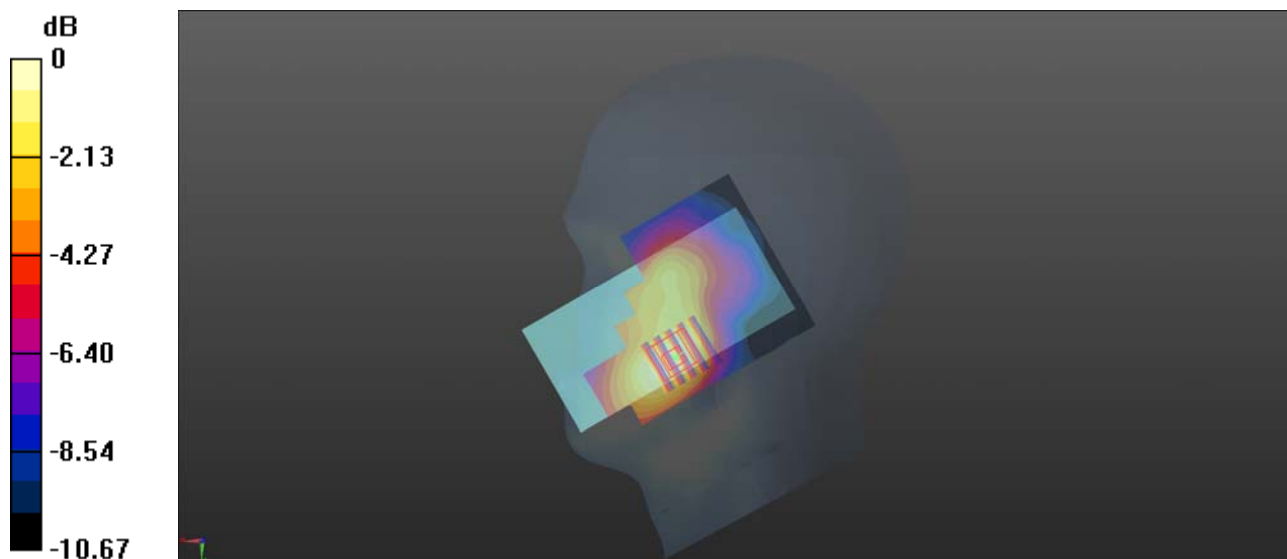
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.602 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.126 W/kg

**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.051 W/kg**

Maximum value of SAR (measured) = 0.0830 W/kg



0 dB = 0.0830 W/kg

## WCDMA Band II\_RMC 12.2Kbps\_Right Cheek\_Ch9538

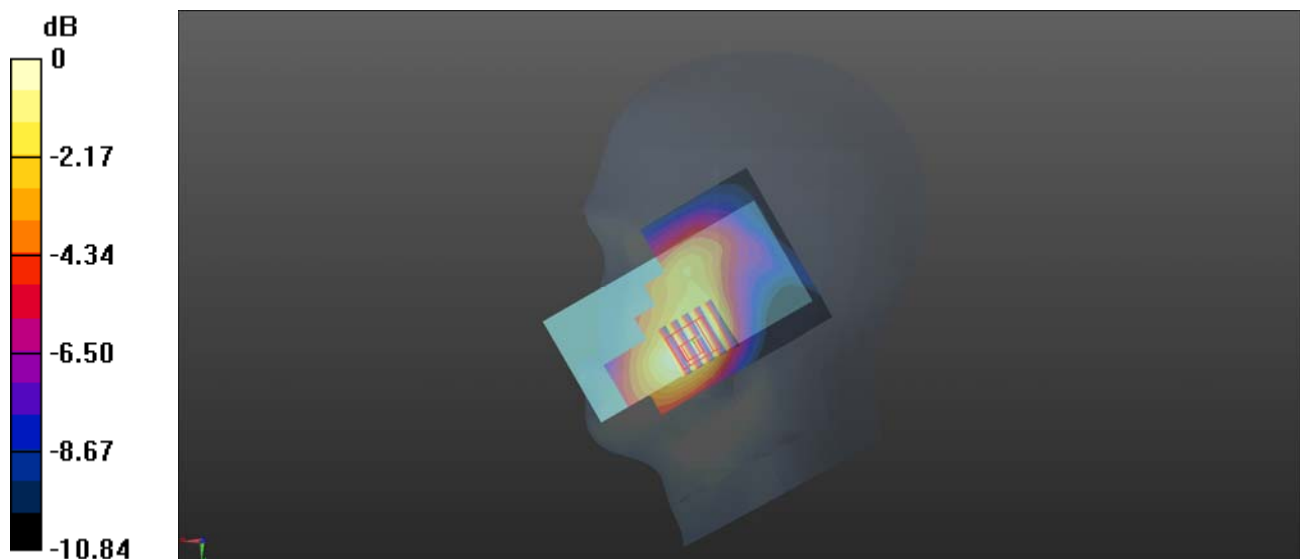
Communication System: UID 0, UMTS-FDD (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium: HSL\_1900 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.468$  S/m;  $\epsilon_r = 40.869$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.1 °C; Liquid Temperature : 22.2 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.68, 7.68, 7.68); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9538/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.177 W/kg

**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 4.550 V/m; Power Drift = -0.15 dB  
 Peak SAR (extrapolated) = 0.252 W/kg  
**SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.102 W/kg**  
 Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.165 W/kg

### WCDMA Band IV\_RMC 12.2Kbps\_Right Cheek\_Ch1413

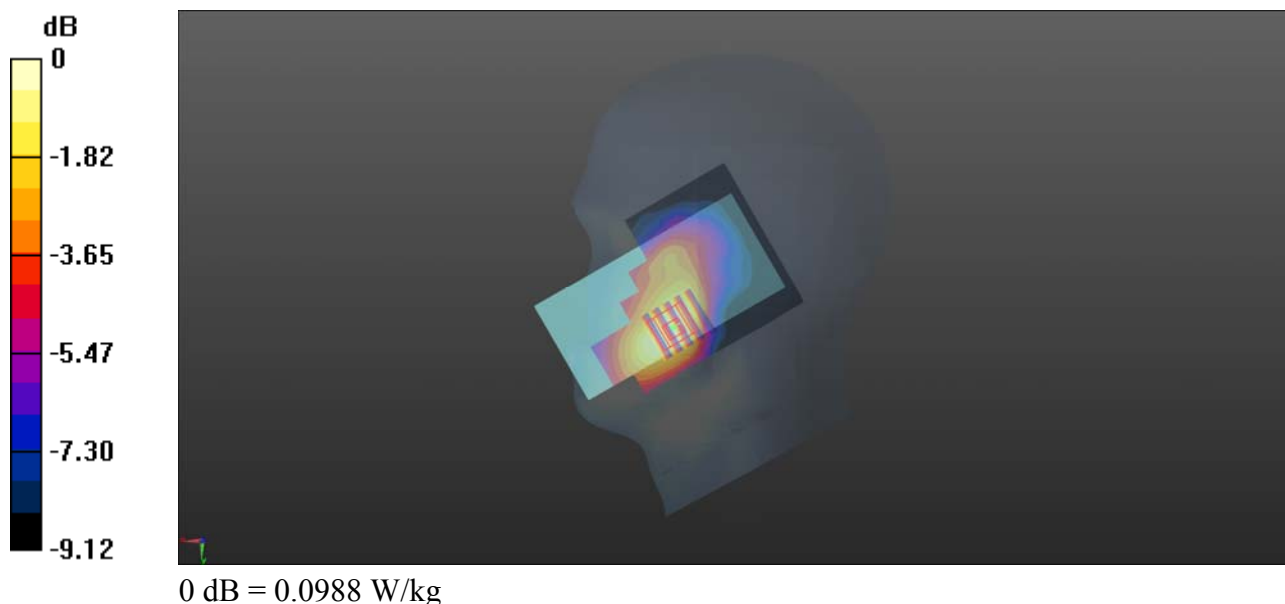
Communication System: UID 0, UMTS-FDD (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1  
 Medium: HSL\_1750 Medium parameters used:  $f = 1733 \text{ MHz}$ ;  $\sigma = 1.359 \text{ S/m}$ ;  $\epsilon_r = 41.442$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.1 °C; Liquid Temperature : 22.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3823; ConvF(7.98, 7.98, 7.98); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch1413/Area Scan (71x91x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) = 0.102 W/kg

**Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 3.023 V/m; Power Drift = -0.12 dB  
 Peak SAR (extrapolated) = 0.135 W/kg  
**SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.063 W/kg**  
 Maximum value of SAR (measured) = 0.0988 W/kg



### WCDMA Band V\_RMC 12.2Kbps\_Right Cheek\_Ch4233

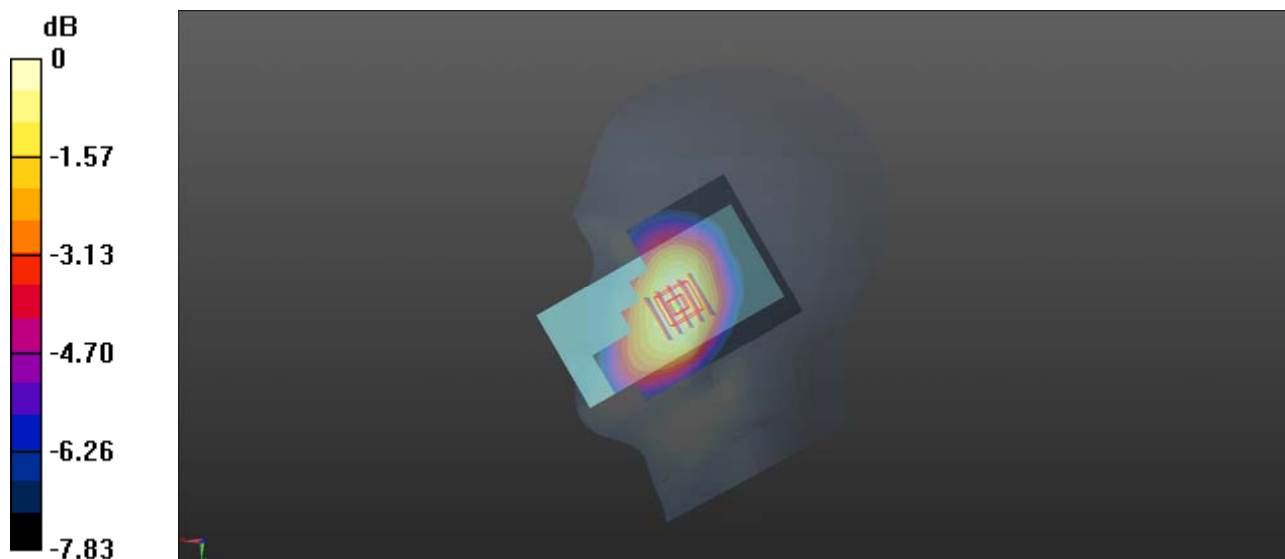
Communication System: UID 0, UMTS-FDD (0); Frequency: 846.6 MHz; Duty Cycle: 1:1  
 Medium: HSL\_835 Medium parameters used:  $f = 847 \text{ MHz}$ ;  $\sigma = 0.933 \text{ S/m}$ ;  $\epsilon_r = 42.152$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3823; ConvF(9.32, 9.32, 9.32); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4233/Area Scan (71x91x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) = 0.139 W/kg

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 4.307 V/m; Power Drift = -0.06 dB  
 Peak SAR (extrapolated) = 0.161 W/kg  
**SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.106 W/kg**  
 Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg

## LTE Band 2\_20MHz\_QPSK\_1RB\_99Offset\_Right Cheek\_Ch19100

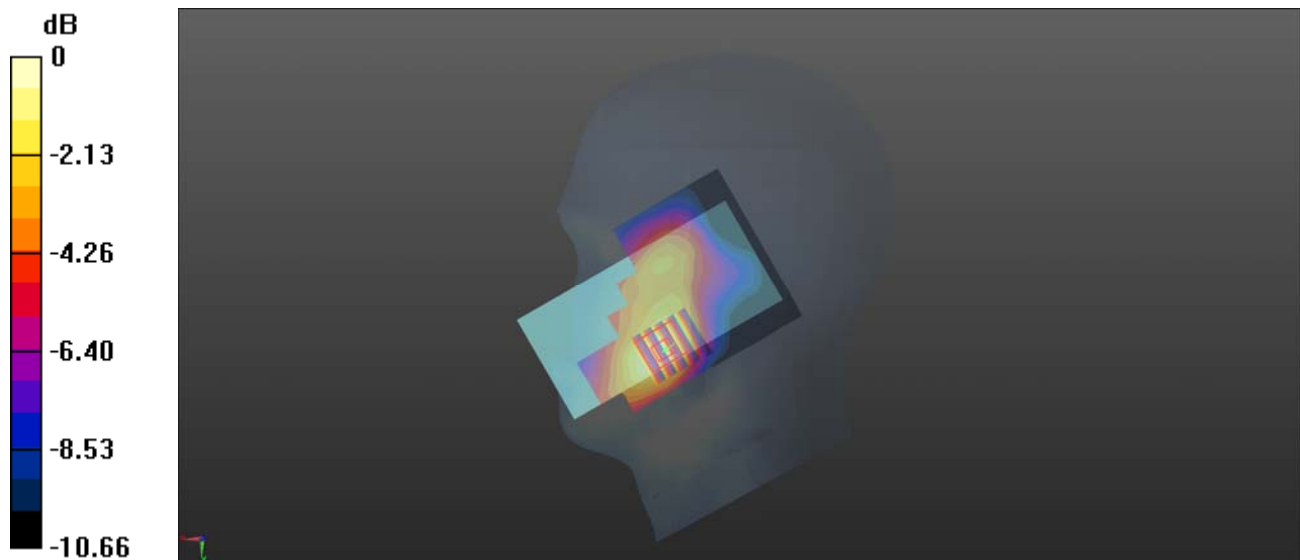
Communication System: UID 0, LTE (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.46$  S/m;  $\epsilon_r = 40.899$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.2 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.68, 7.68, 7.68); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch19100/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.171 W/kg

**Ch19100/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.492 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 0.249 W/kg  
**SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.104 W/kg**  
Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg

### LTE Band 4\_20MHz\_QPSK\_1RB\_0Offset\_Right Cheek\_Ch20175

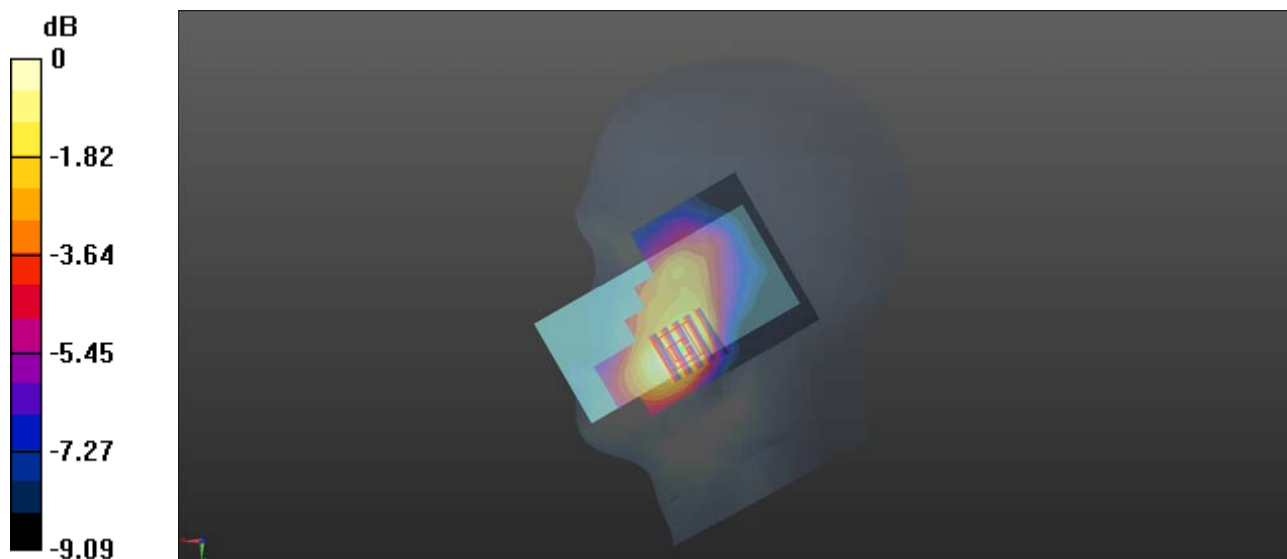
Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1  
Medium: HSL\_1750 Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.358$  S/m;  $\epsilon_r = 41.445$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.2 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.98, 7.98, 7.98); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20175/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.0958 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.065 V/m; Power Drift = 0.14 dB  
Peak SAR (extrapolated) = 0.122 W/kg  
**SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.059 W/kg**  
.Maximum value of SAR (measured) = 0.0921 W/kg



0 dB = 0.0921 W/kg



## LTE Band 5\_10MHz\_QPSK\_1RB\_49Offset\_Right Cheek\_Ch20450

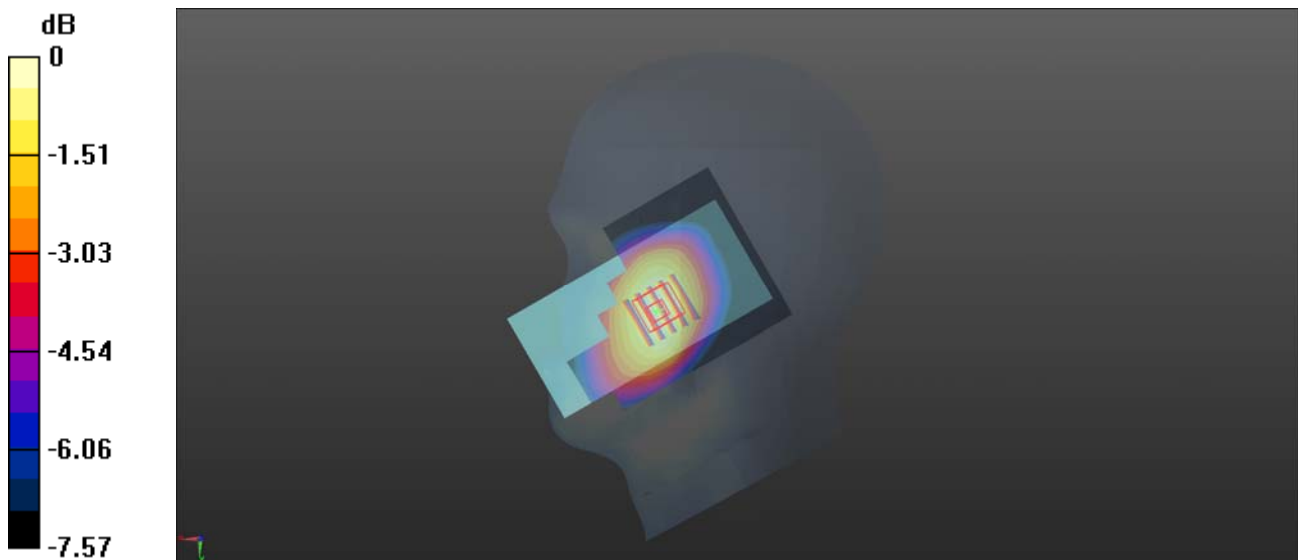
Communication System: UID 0, LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1  
Medium: HSL\_835 Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.917 \text{ S/m}$ ;  $\epsilon_r = 42.33$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.5 \text{ }^\circ\text{C}$

### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(9.32, 9.32, 9.32); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20450/Area Scan (71x91x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $0.273 \text{ W/kg}$

**Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $5.961 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$   
Peak SAR (extrapolated) =  $0.316 \text{ W/kg}$   
**SAR(1 g) =  $0.267 \text{ W/kg}$ ; SAR(10 g) =  $0.211 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $0.282 \text{ W/kg}$



0 dB =  $0.282 \text{ W/kg}$

### LTE Band 12\_10MHz\_QPSK\_1RB\_0Offset\_Right Cheek\_Ch23095

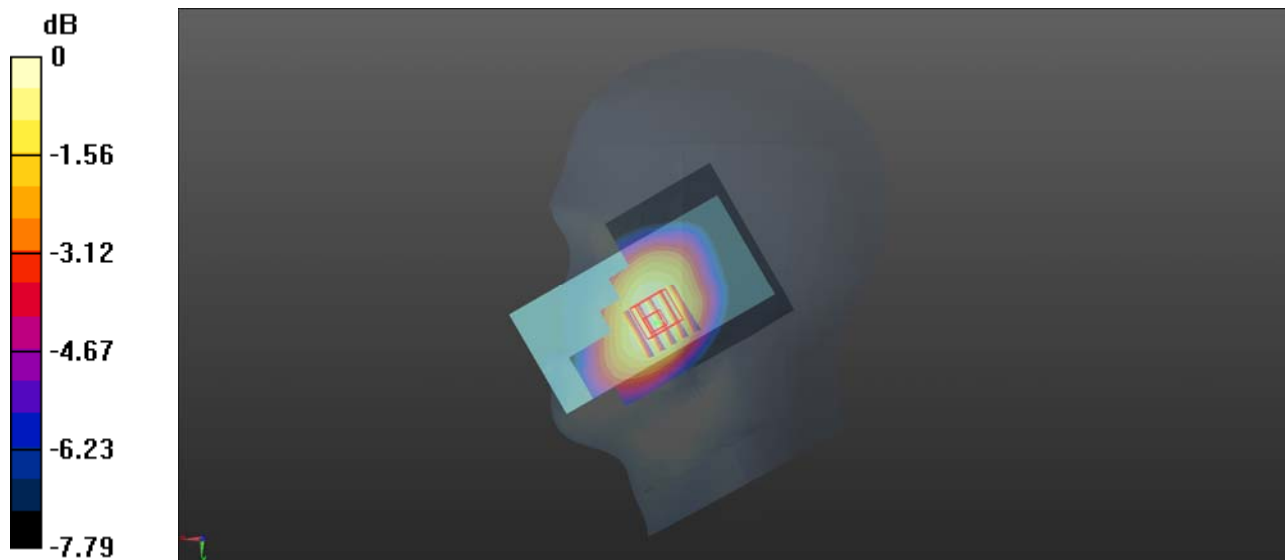
Communication System: UID 0, LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
 Medium: HSL\_750 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 41.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7445; ConvF(10.03, 10.03, 10.03); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23095/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.0467 W/kg

**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 2.198 V/m; Power Drift = 0.12 dB  
 Peak SAR (extrapolated) = 0.0550 W/kg  
**SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.036 W/kg**  
 Maximum value of SAR (measured) = 0.0474 W/kg



0 dB = 0.0474 W/kg

## WLAN 2.4GHz\_802.11b 1Mbps\_Right Cheek\_Ch6

Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium: HSL\_2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.845$  S/m;  $\epsilon_r = 37.968$ ;  $\rho$

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

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.34, 7.34, 7.34); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch6/Area Scan (71x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.211 W/kg

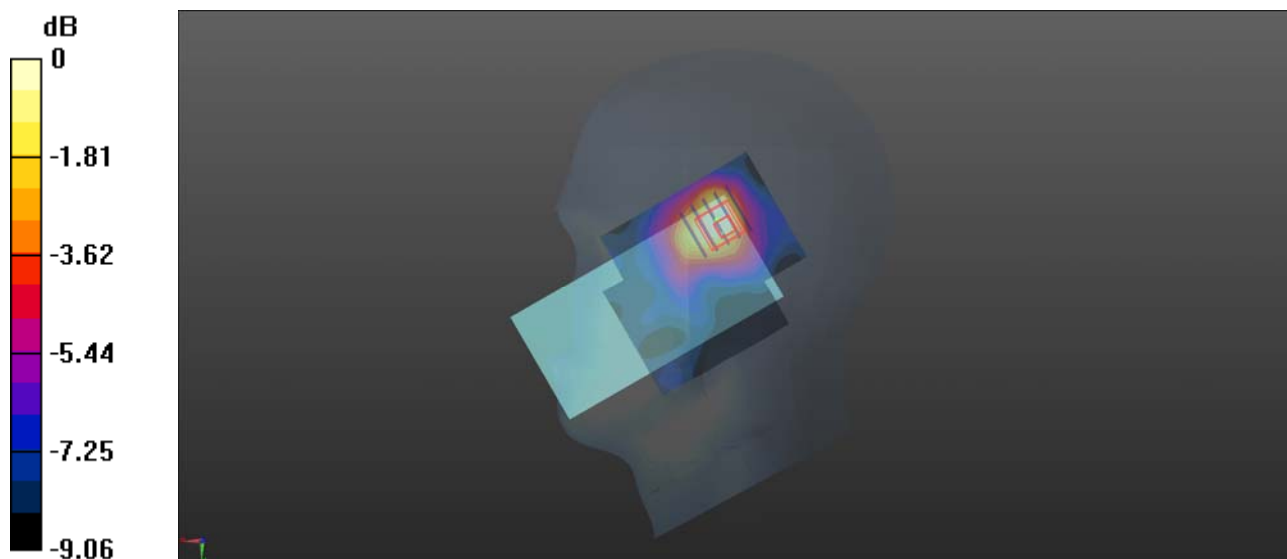
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.222 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.436 W/kg

**SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.090 W/kg**

Maximum value of SAR (measured) = 0.179 W/kg



0 dB = 0.179 W/kg

### GSM850\_GPRS(2 TX slots)\_Back Side\_10mm\_Ch128

Communication System: UID 0, GSM850(class 10) (0); Frequency: 824.2 MHz;Duty Cycle: 1:4.15  
Medium: MSL\_835 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 1.043$  S/m;  $\epsilon_r = 52.954$ ;  $\rho$

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

Ambient Temperature : 22.9 °C; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(9.24, 9.24, 9.24); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch128/Area Scan (71x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

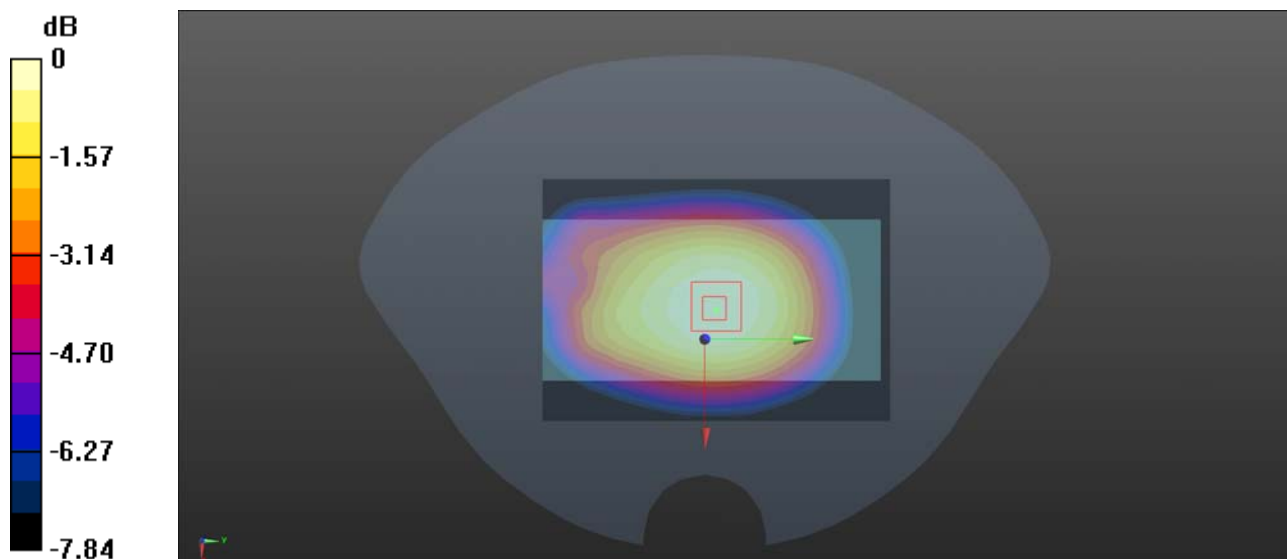
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.35 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.870 W/kg

**SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.540 W/kg**

Maximum value of SAR (measured) = 0.733 W/kg



0 dB = 0.733 W/kg

### GSM1900\_GPRS(3 TX slots)\_Bottom Side\_10mm\_Ch661

Communication System: UID 0, PCS1900(class 11) (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77  
 Medium: MSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.509$  S/m;  $\epsilon_r = 52.468$ ;  $\rho$

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

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.4, 7.4, 7.4); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch661/Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.130 W/kg

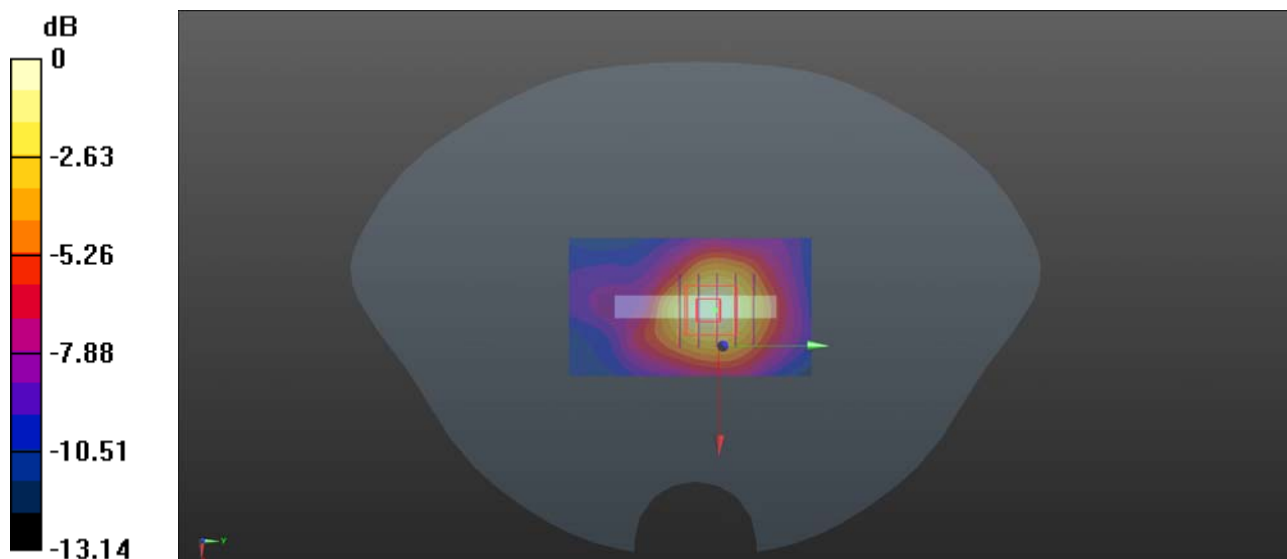
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.936 V/m; Power Drift = - 0.01 dB

Peak SAR (extrapolated) = 0.195 W/kg

**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.068 W/kg**

Maximum value of SAR (measured) = 0.127 W/kg



0 dB = 0.127 W/kg

### WCDMA Band II\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch9538

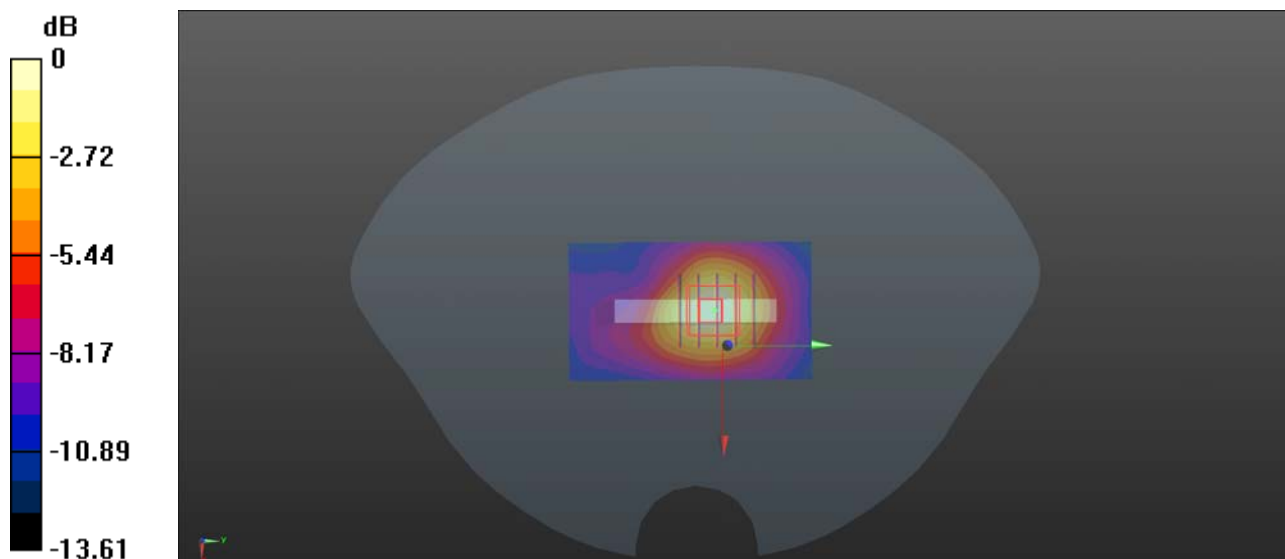
Communication System: UID 0, UMTS-FDD (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1900 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.541$  S/m;  $\epsilon_r = 52.377$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3823; ConvF(7.4, 7.4, 7.4); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9538/Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.223 W/kg

**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 11.62 V/m; Power Drift = 0.00 dB  
 Peak SAR (extrapolated) = 0.341 W/kg  
**SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.115 W/kg**  
 Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg

### WCDMA Band IV\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch1413

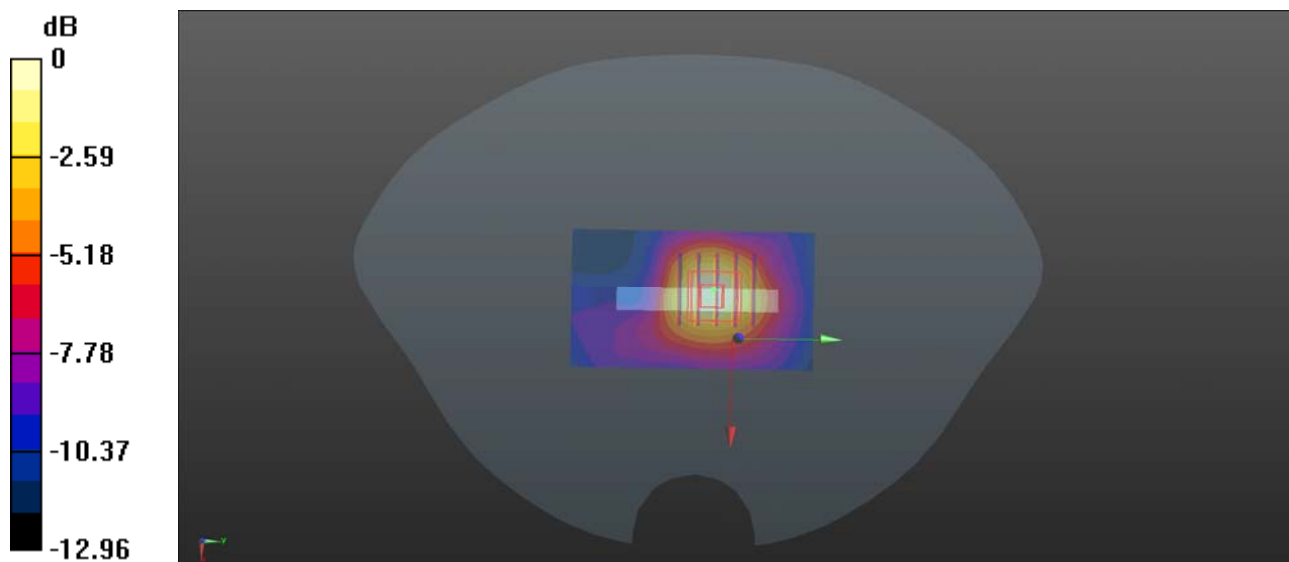
Communication System: UID 0, UMTS-FDD (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1750 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.471$  S/m;  $\epsilon_r = 54.144$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3823; ConvF(7.65, 7.65, 7.65); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch1413/Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.147 W/kg

**Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 9.546 V/m; Power Drift = -0.07 dB  
 Peak SAR (extrapolated) = 0.212 W/kg  
**SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.076 W/kg**  
 Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.140 W/kg

### WCDMA Band V\_RMC 12.2Kbps\_Back Side\_10mm\_Ch4233

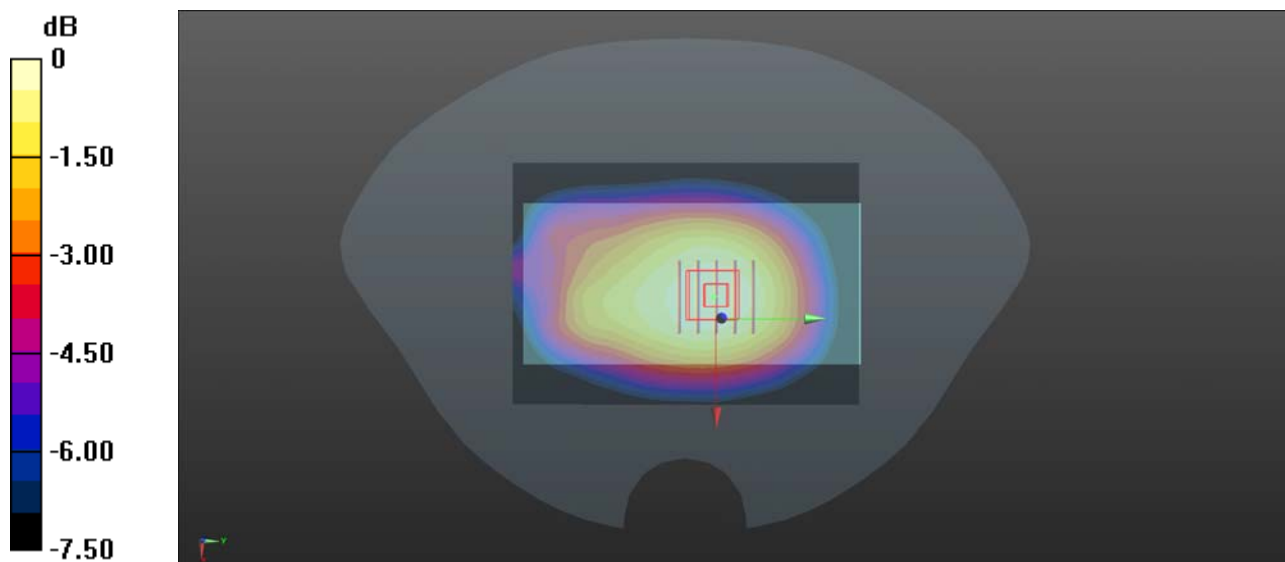
Communication System: UID 0, UMTS-FDD (0); Frequency: 846.6 MHz; Duty Cycle: 1:1  
 Medium: MSL\_835 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.945$  S/m;  $\epsilon_r = 54.02$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 22.9 °C; Liquid Temperature : 22.1 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3823; ConvF(9.24, 9.24, 9.24); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4233/Area Scan (71x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.234 W/kg

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 15.28 V/m; Power Drift = -0.05 dB  
 Peak SAR (extrapolated) = 0.273 W/kg  
**SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.172 W/kg**  
 Maximum value of SAR (measured) = 0.232 W/kg



0 dB = 0.232 W/kg



### LTE Band 2\_20MHz\_QPSK\_1RB\_99Offset\_Bottom Side\_10mm\_Ch19100

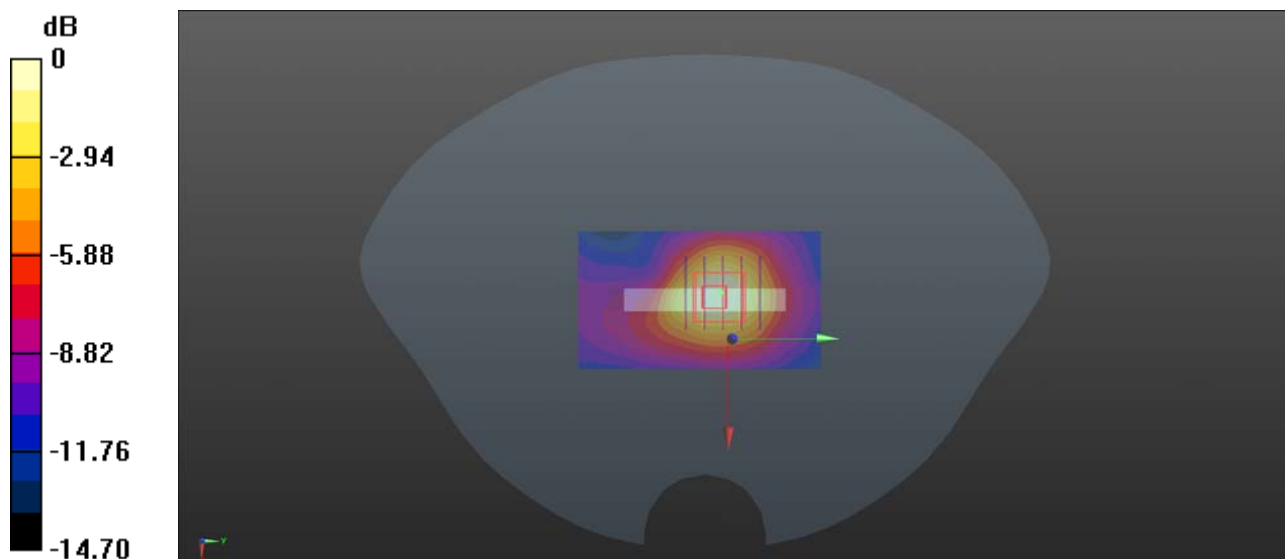
Communication System: UID 0, LTE (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1900 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.532$  S/m;  $\epsilon_r = 52.397$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3823; ConvF(7.4, 7.4, 7.4); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch19100/Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.268 W/kg

**Ch19100/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 12.76 V/m; Power Drift = -0.02 dB  
 Peak SAR (extrapolated) = 0.396 W/kg  
**SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.129 W/kg**  
 Maximum value of SAR (measured) = 0.251 W/kg



0 dB = 0.251 W/kg

### LTE Band 4\_20MHz\_QPSK\_1RB\_0Offset\_Bottom Side\_10mm\_Ch20175

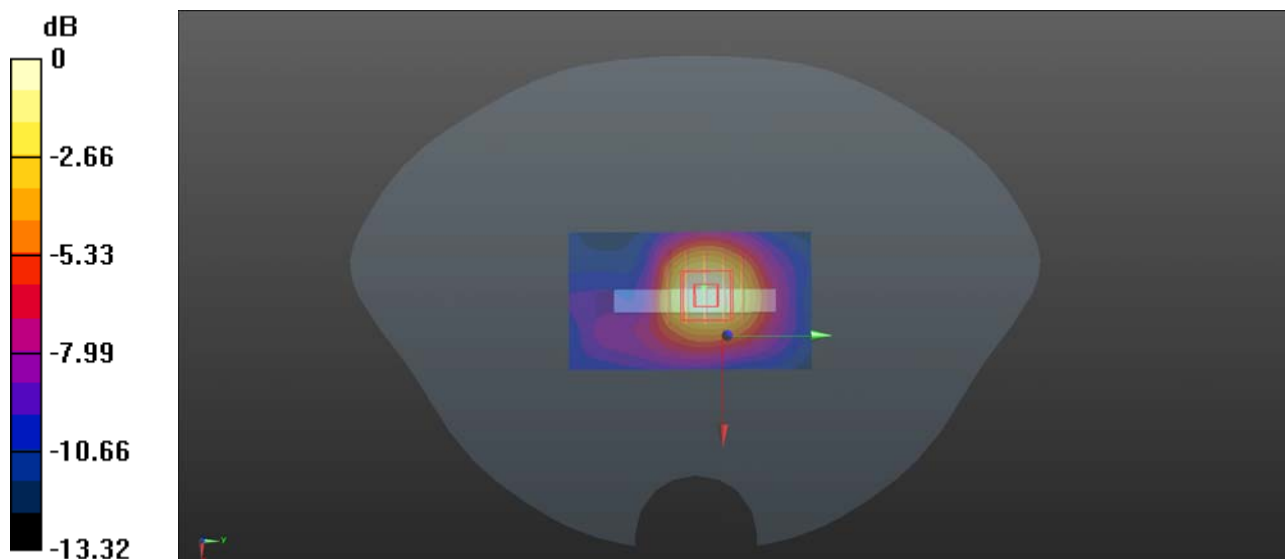
Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1  
 Medium: MSL\_1750 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.471$  S/m;  $\epsilon_r = 54.146$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3823; ConvF(7.65, 7.65, 7.65); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1465
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20175/Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.191 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 10.95 V/m; Power Drift = -0.00 dB  
 Peak SAR (extrapolated) = 0.269 W/kg  
**SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.097 W/kg**  
 Maximum value of SAR (measured) = 0.176 W/kg



### LTE Band 5\_10MHz\_QPSK\_1RB\_49Offset\_Right Side\_10mm\_Ch20450

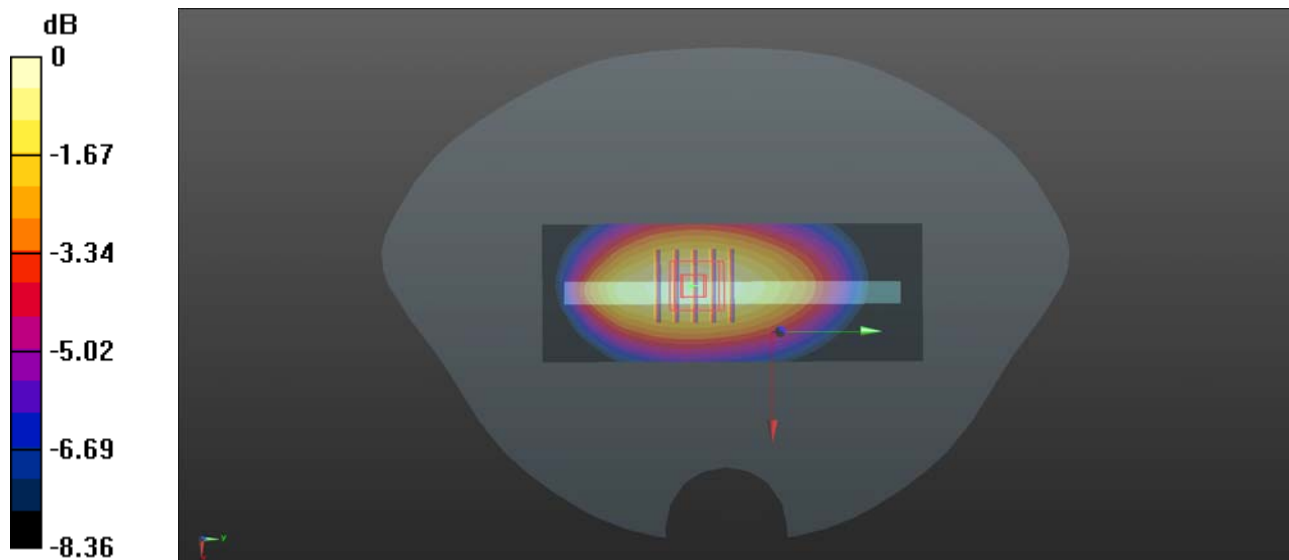
Communication System: UID 0, LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1  
Medium: MSL\_835 Medium parameters used:  $f = 829 \text{ MHz}$ ;  $\sigma = 0.947 \text{ S/m}$ ;  $\epsilon_r = 54.434$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $22.9 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.1 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(9.24, 9.24, 9.24); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20450/Area Scan (41x91x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $0.363 \text{ W/kg}$

**Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $18.50 \text{ V/m}$ ; Power Drift =  $0.07 \text{ dB}$   
Peak SAR (extrapolated) =  $0.473 \text{ W/kg}$   
**SAR(1 g) =  $0.348 \text{ W/kg}$ ; SAR(10 g) =  $0.246 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $0.369 \text{ W/kg}$



0 dB =  $0.369 \text{ W/kg}$

### LTE Band 12\_10MHz\_QPSK\_1RB\_0Offset\_Back Side\_10mm\_Ch23095

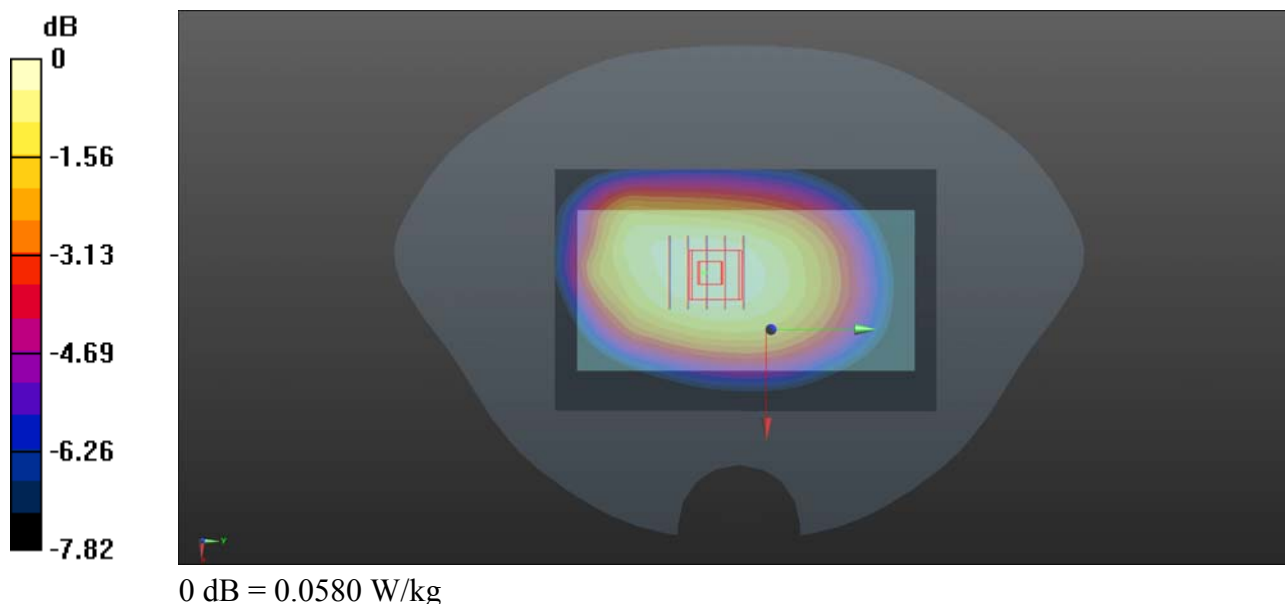
Communication System: UID 0, LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
 Medium: MSL\_750 Medium parameters used:  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.933 \text{ S/m}$ ;  $\epsilon_r = 55.171$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7445; ConvF(10.05, 10.05, 10.05); Calibrated: 2018.09.04;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23095/Area Scan (71x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) = 0.0577 W/kg

**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value = 7.691 V/m; Power Drift = 0.09 dB  
 Peak SAR (extrapolated) = 0.0680 W/kg  
**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.043 W/kg**  
 Maximum value of SAR (measured) = 0.0580 W/kg



### WLAN2.4GHz\_802.11b 1Mbps\_Back Side\_10mm\_Ch6

Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium: MSL\_2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.019$  S/m;  $\epsilon_r = 50.692$ ;  $\rho$

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

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.15, 7.15, 7.15); Calibrated: 2018.11.12;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch6/Area Scan (71x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0849 W/kg

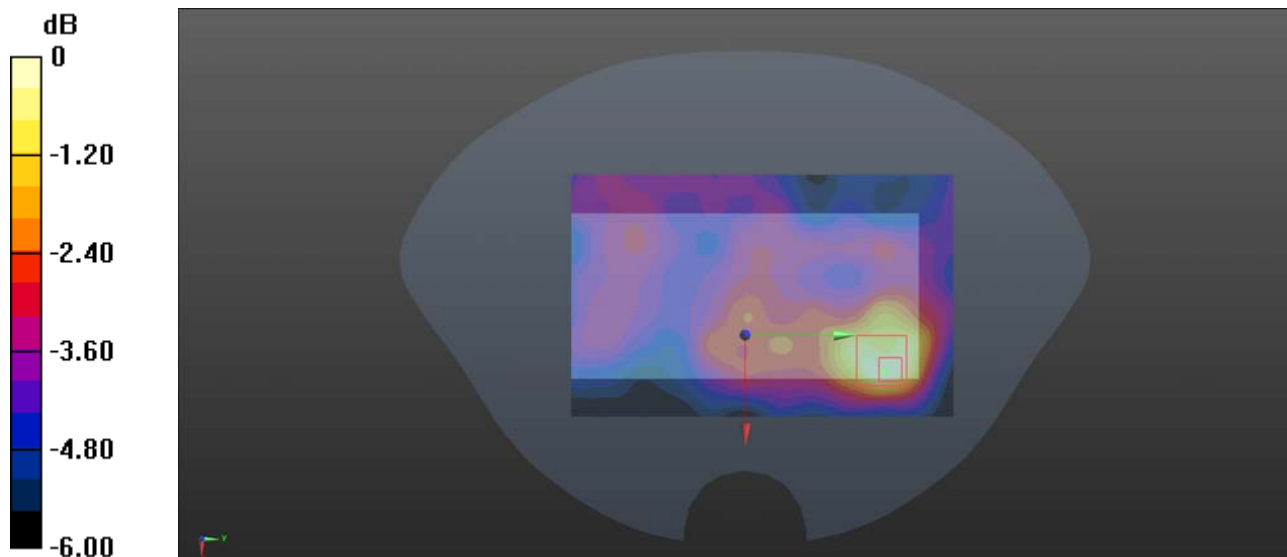
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.136 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.141 W/kg

**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.052 W/kg**

Maximum value of SAR (measured) = 0.0801 W/kg



0 dB = 0.0801 W/kg