



REPORT No. : SZ20040157S01

## Annex D Plots of Maximum SAR Test Results

### WCDMA Band II\_RMC 12.2Kbps\_Front Side\_10mm\_Ch9400

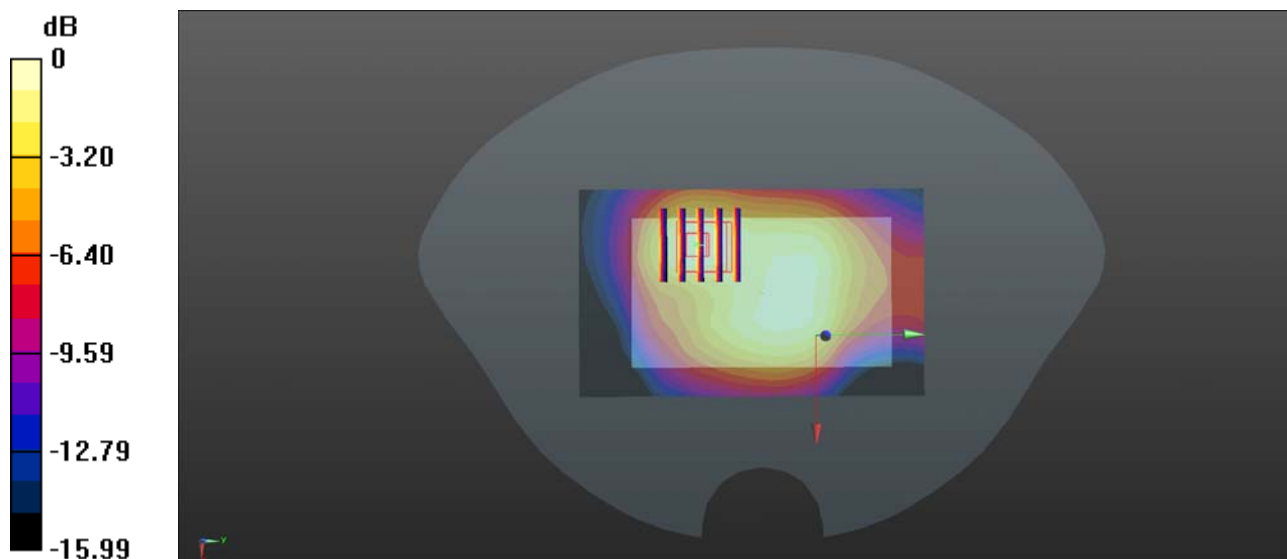
Communication System: UID 0, UMTS-FDD (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.321$  S/m;  $\epsilon_r = 41.384$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.74, 7.74, 7.74); Calibrated: 2020.01.03;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 2019.06.27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch9400/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.456 W/kg

**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 16.63 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 0.736 W/kg  
**SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.234 W/kg**  
Maximum value of SAR (measured) = 0.462 W/kg



0 dB = 0.462 W/kg

### WCDMA Band V\_RMC 12.2Kbps\_Front Side\_10mm\_Ch4183

Communication System: UID 0, UMTS-FDD (0); Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_835 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.923$  S/m;  $\epsilon_r = 43.415$ ;  $\rho = 1000$  kg/m<sup>3</sup>

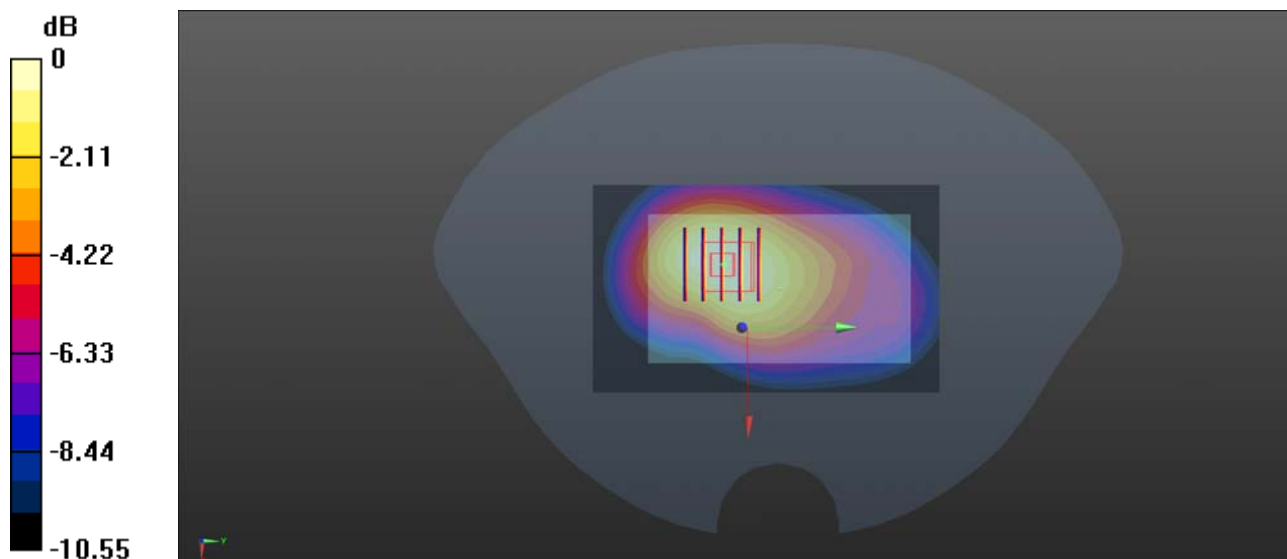
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(9.3, 9.3, 9.3); Calibrated: 2020.01.03;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 2019.06.27
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch4183/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.559 W/kg

**Ch4183/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 20.39 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 0.723 W/kg  
**SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.361 W/kg**  
Maximum value of SAR (measured) = 0.558 W/kg



0 dB = 0.559 W/kg

### LTE Band 2\_20MHz\_QPSK\_1RB\_0Offset\_Back Side\_10mm\_Ch18700

Communication System: UID 0, LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL\_1900 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.297$  S/m;  $\epsilon_r = 41.33$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.74, 7.74, 7.74); Calibrated: 2020.01.03;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 2019.06.27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch18700/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.880 W/kg

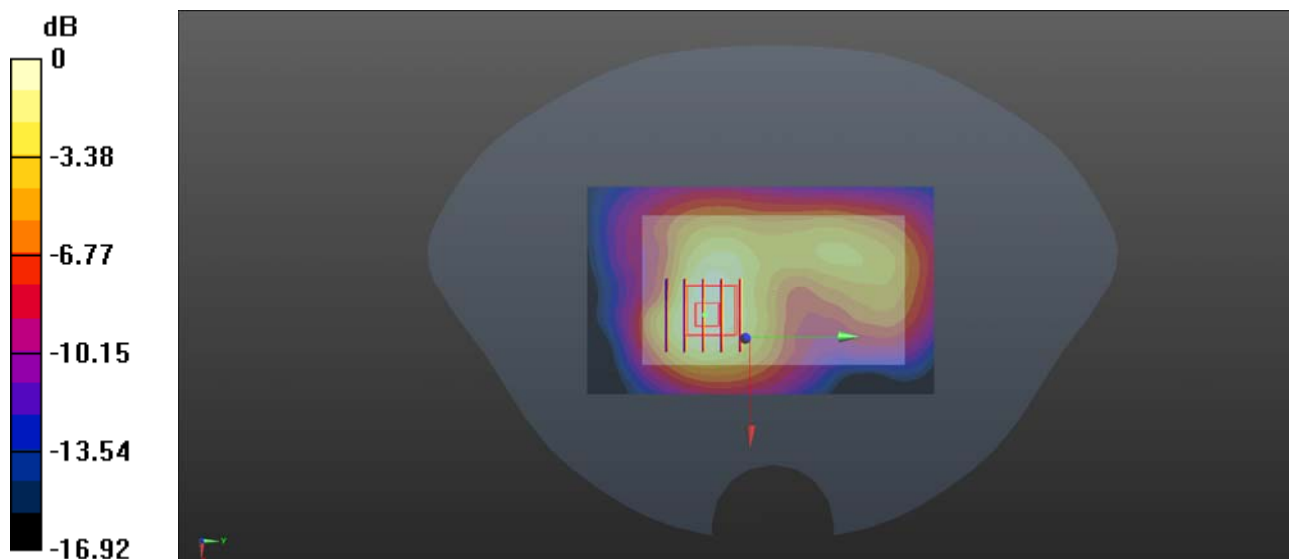
**Ch18700/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.69 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.828 W/kg; SAR(10 g) = 0.452 W/kg**

Maximum value of SAR (measured) = 0.887 W/kg



0 dB = 0.880 W/kg

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

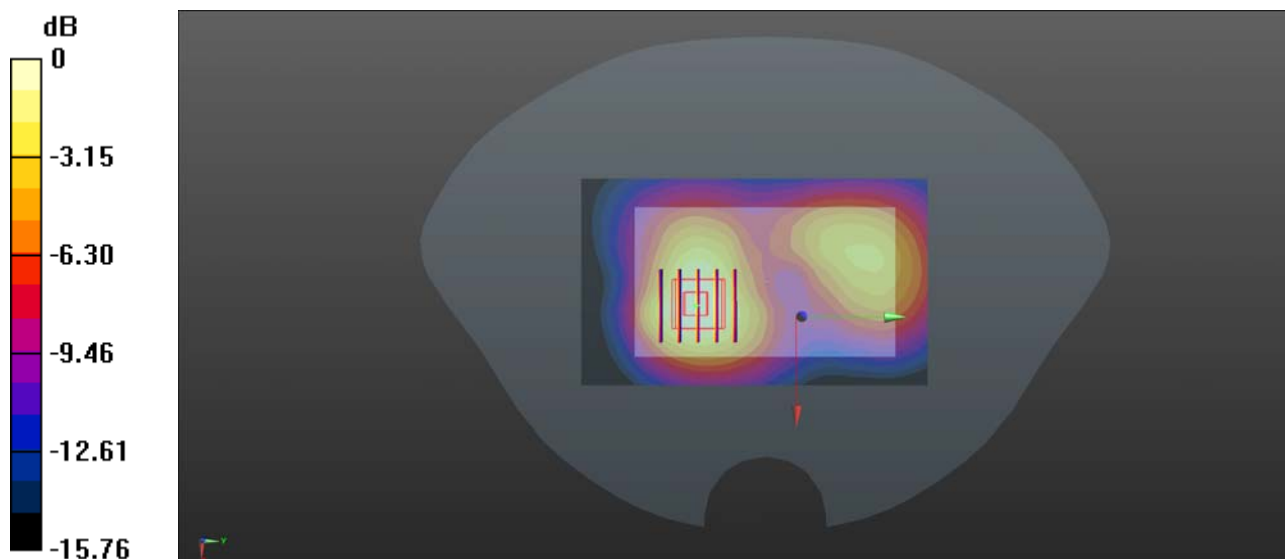
Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium: HSL\_1750 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.382$  S/m;  $\epsilon_r = 39.465$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3823; ConvF(7.99, 7.99, 7.99); Calibrated: 2020.01.03;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 2019.06.27
- 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 (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.722 W/kg

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 8.909 V/m; Power Drift = 0.09 dB  
 Peak SAR (extrapolated) = 0.987 W/kg  
**SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.352 W/kg**  
 Maximum value of SAR (measured) = 0.663 W/kg



0 dB = 0.663 W/kg

### LTE Band 5\_10MHz\_QPSK\_1RB\_0Offset\_Back Side\_10mm\_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL\_835 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r = 41.018$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(9.3, 9.3, 9.3); Calibrated: 2020.01.03;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 2019.06.27
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch20525/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

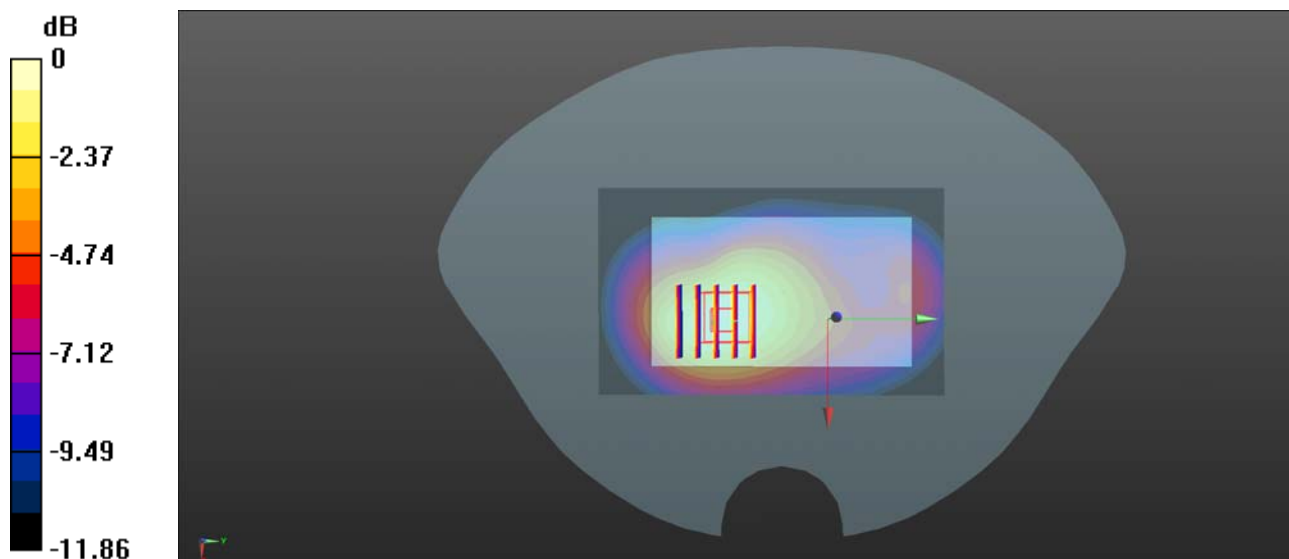
**Ch20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.32 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.851 W/kg

**SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.391 W/kg**

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



0 dB = 0.630 W/kg

### LTE Band 13\_10MHz\_QPSK\_1RB\_0Offset\_Back Side\_10mm\_Ch23230

Communication System: UID 0, LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL\_835 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.865 \text{ S/m}$ ;  $\epsilon_r = 42.43$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3154; ConvF(6.34, 6.34, 6.34); Calibrated: 2019.07.16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 2019.06.27
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch23230/Area Scan (61x101x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

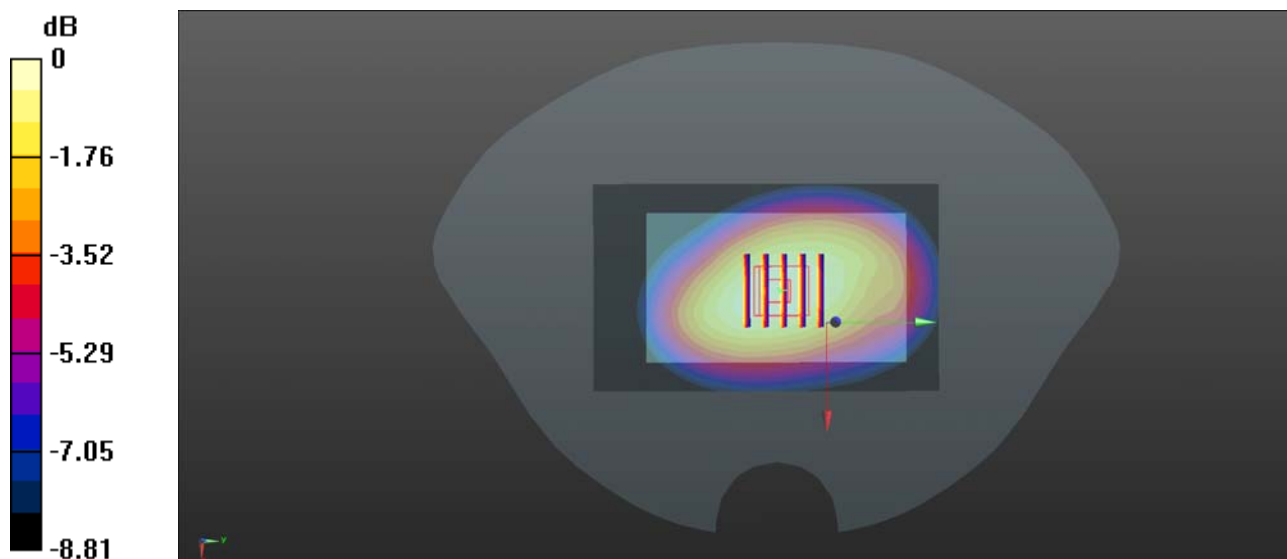
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 24.20 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.602 W/kg

**SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.345 W/kg**

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



0 dB = 0.496 W/kg

### LTE Band 66\_20MHz\_QPSK\_1RB\_0Offset\_Back Side\_10mm\_Ch132322

Communication System: UID 0, LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL\_1750 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.407$  S/m;  $\epsilon_r = 39.406$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.99, 7.99, 7.99); Calibrated: 2020.01.03;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 2019.06.27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch132322/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.597 W/kg

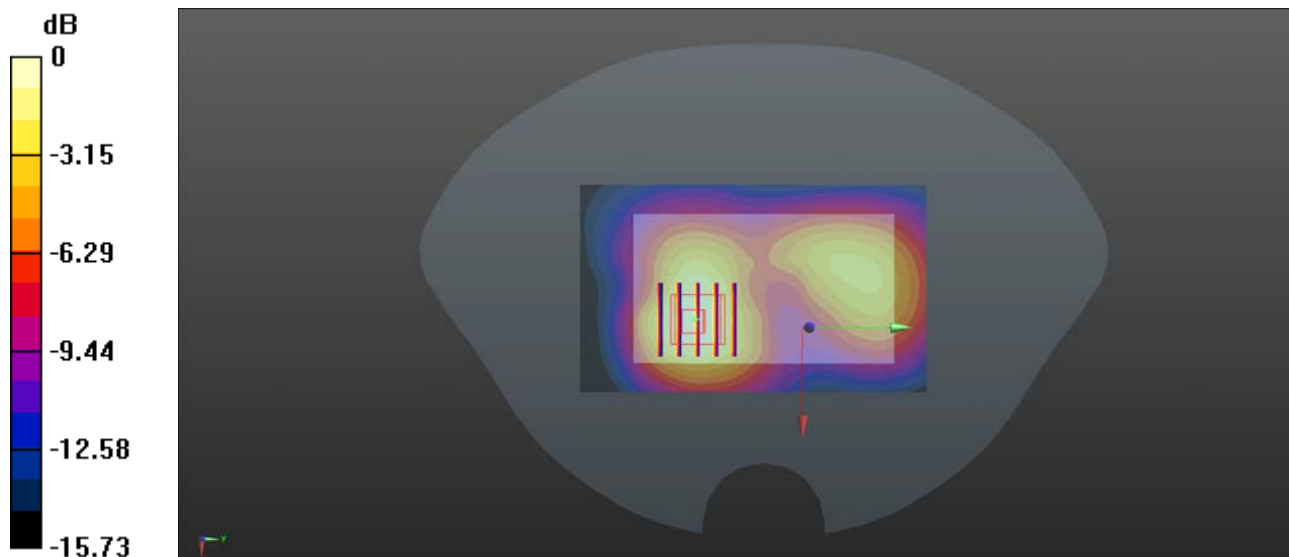
**Ch132322/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.234 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.823 W/kg

**SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.299 W/kg**

Maximum value of SAR (measured) = 0.559 W/kg



0 dB = 0.559 W/kg



### WLAN 2.4GHz\_802.11b 1Mbps\_Left Side\_10mm\_Ch11\_Ant 0

Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: HSL\_2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.88$  S/m;  $\epsilon_r = 37.925$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.3, 7.3, 7.3); Calibrated: 2020.01.03;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 2019.06.27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch11/Area Scan (51x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.201 W/kg

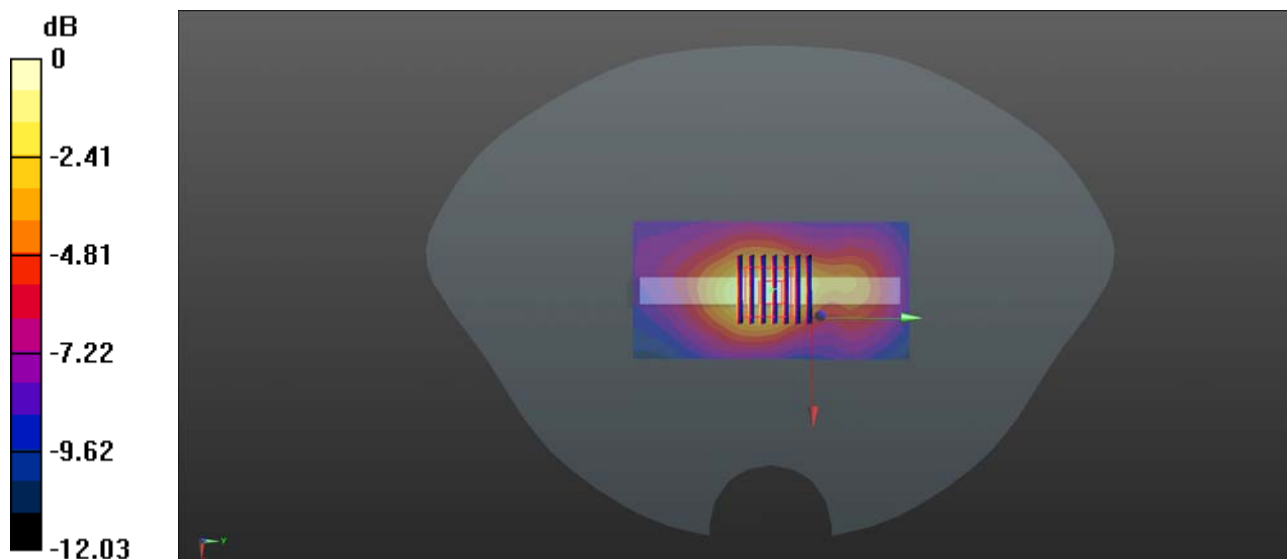
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.11 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.381 W/kg

**SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.098 W/kg**

Maximum value of SAR (measured) = 0.199 W/kg



0 dB = 0.199 W/kg

### WLAN 5GHz\_802.11n-HT20 MCS0\_Right Side\_10mm\_Ch48\_Ant 1

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5240 MHz;Duty Cycle: 1:1  
Medium: HSL\_5250 Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.522$  S/m;  $\epsilon_r = 34.978$ ;  $\rho = 1000$  kg/m<sup>3</sup>

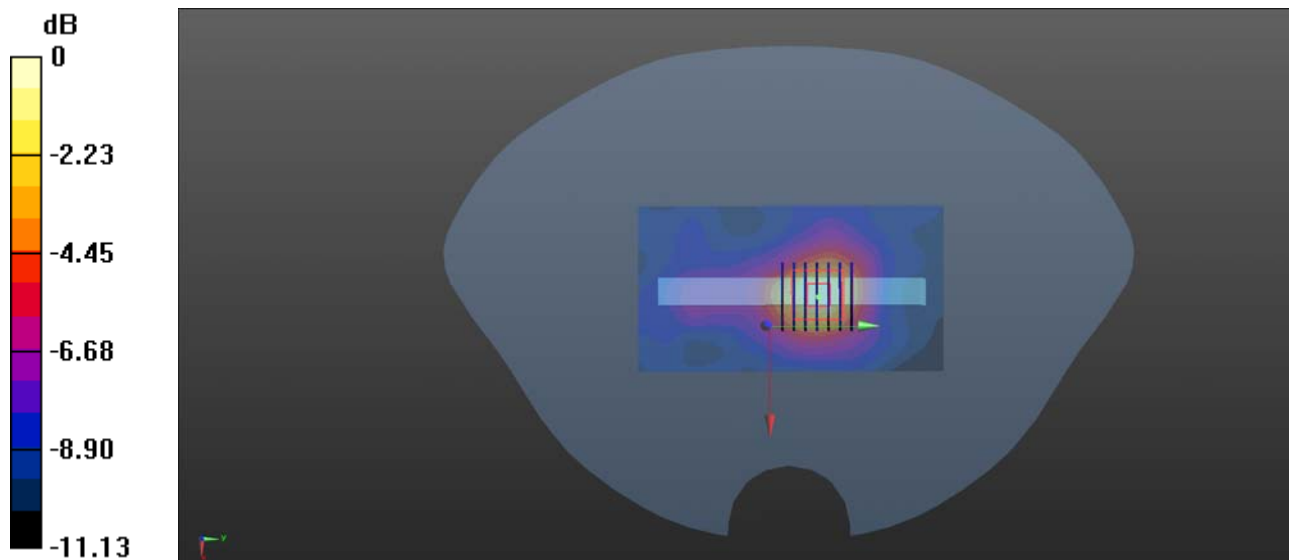
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(5.29, 5.29, 5.29); Calibrated: 2020.01.03;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 2019.06.27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch48/Area Scan (61x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.708 W/kg

**Ch48/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 9.501 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 1.79 W/kg  
**SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.277 W/kg**  
Maximum value of SAR (measured) = 0.698 W/kg



0 dB = 0.708 W/kg

### WLAN 5GHz\_802.11n-HT20 MCS0\_Left Side\_10mm\_Ch165\_Ant 0

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5825 MHz;Duty Cycle: 1:1  
Medium: HSL\_5750 Medium parameters used:  $f = 5825$  MHz;  $\sigma = 5.105$  S/m;  $\epsilon_r = 34.176$ ;  $\rho = 1000$  kg/m<sup>3</sup>

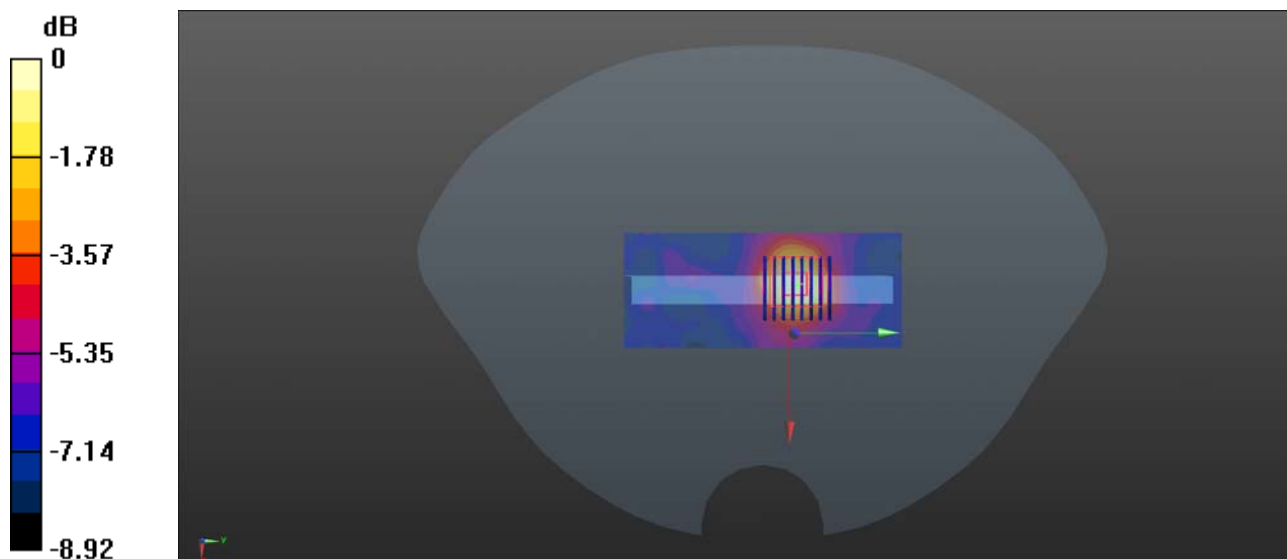
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(4.59, 4.59, 4.59); Calibrated: 2020.01.03;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 2019.06.27
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch165/Area Scan (51x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.744 W/kg

**Ch165/Zoom Scan (8x8x15)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm  
Reference Value = 7.649 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 2.03 W/kg  
**SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.324 W/kg**  
Maximum value of SAR (measured) = 0.704 W/kg



0 dB = 0.704 W/kg