



REPORT No.: SZ21110239S01

## Annex D Plots of Maximum SAR Test Results

### GSM850\_GPRS(2 TX slots)\_Bottom Face\_0mm\_Ch128\_Sensor on

Communication System: UID 0, GSM850(class 10) (0); Frequency: 824.2 MHz;Duty Cycle: 1:4.15

Medium: HSL\_900 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.924$  S/m;  $\epsilon_r = 42.769$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(9.31, 9.31, 9.31) @ 824.2 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch128/Area Scan (81x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.25 W/kg

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

Reference Value = 5.742 V/m; Power Drift = -0.15 dB

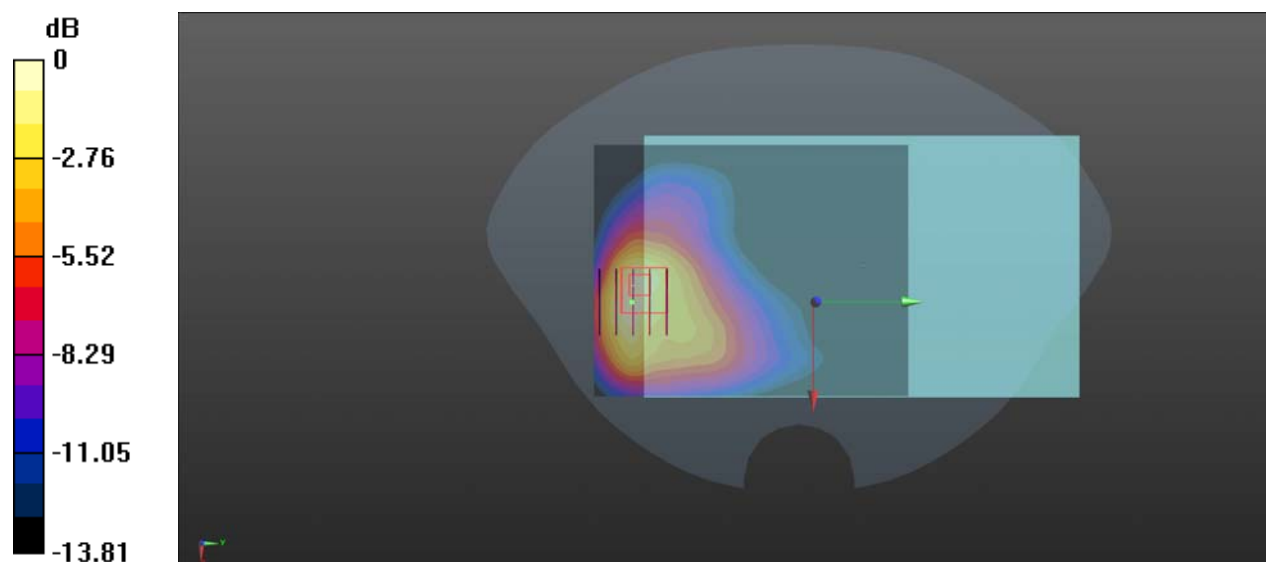
Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 0.868 W/kg; SAR(10 g) = 0.460 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 48.3%

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



0 dB = 1.25 W/kg

### GSM1900\_GPRS(3 TX slots)\_Bottom Face\_8mm\_Ch661\_Sensor off

Communication System: UID 0, GSM1900(class 11) (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77  
Medium: HSL\_2000 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.366$  S/m;  $\epsilon_r = 40.167$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.7, 7.7, 7.7) @ 1880 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch661/Area Scan (81x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.912 W/kg

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

Reference Value = 6.129 V/m; Power Drift = -0.11 dB

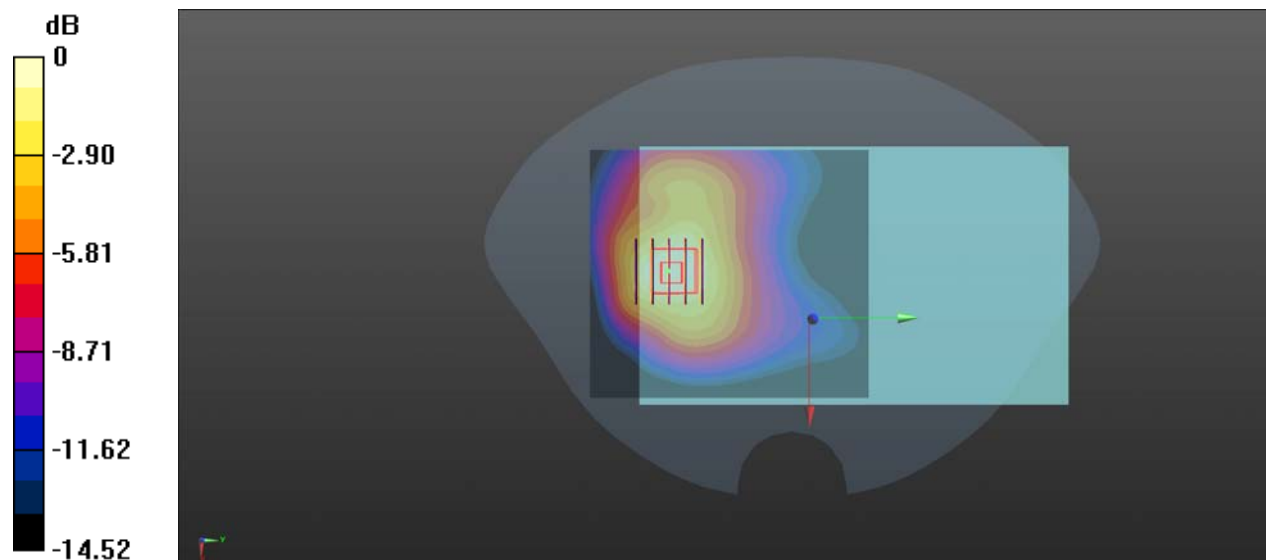
Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.390 W/kg**

Smallest distance from peaks to all points 3 dB below = 18.2 mm

Ratio of SAR at M2 to SAR at M1 = 65.4%

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



0 dB = 0.842 W/kg

### WCDMA Band II\_RMC 12.2Kbps\_Bottom Face\_8mm\_Ch9262\_Sensor on

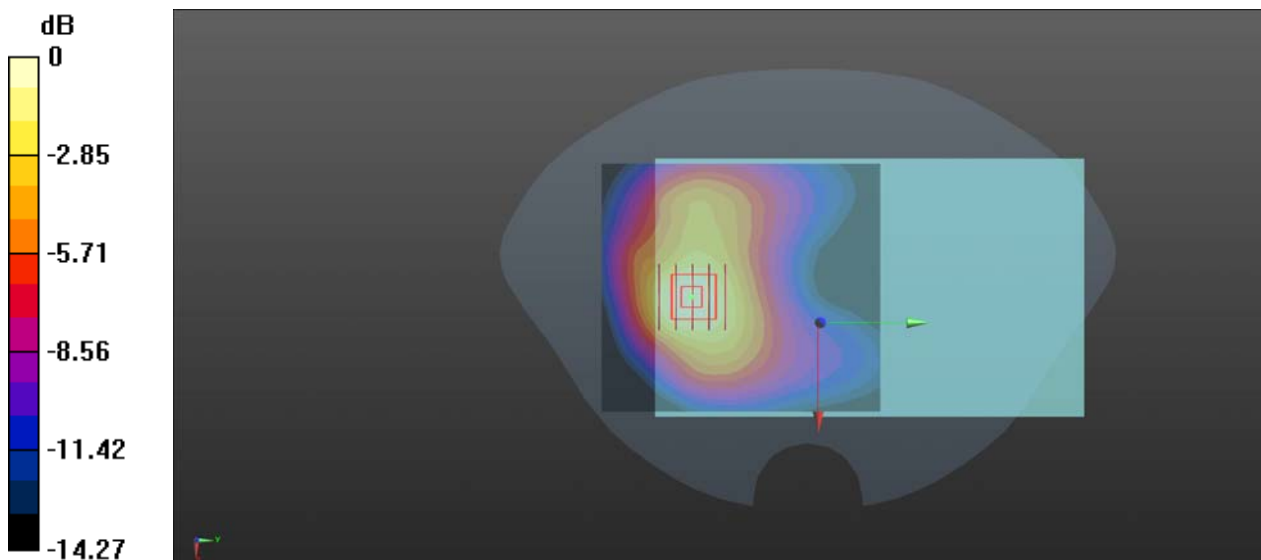
Communication System: UID 0, UMTS-FDD (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_2000 Medium parameters used:  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.33 \text{ S/m}$ ;  $\epsilon_r = 40.069$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.7, 7.7, 7.7) @ 1852.4 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch9262/Area Scan (81x91x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) = 0.951 W/kg

**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 5.887 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 1.11 W/kg  
**SAR(1 g) = 0.762 W/kg; SAR(10 g) = 0.472 W/kg**  
Smallest distance from peaks to all points 3 dB below = 18.7 mm  
Ratio of SAR at M2 to SAR at M1 = 69.7%  
Maximum value of SAR (measured) = 0.957 W/kg



0 dB = 0.957 W/kg

### WCDMA Band IV\_RMC 12.2Kbps\_Bottom Face\_8mm\_Ch1513\_Sensor off

Communication System: UID 0, UMTS-FDD (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_1800 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.392$  S/m;  $\epsilon_r = 41.122$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.98, 7.98, 7.98) @ 1752.6 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch1513/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 4.581 V/m; Power Drift = -0.08 dB

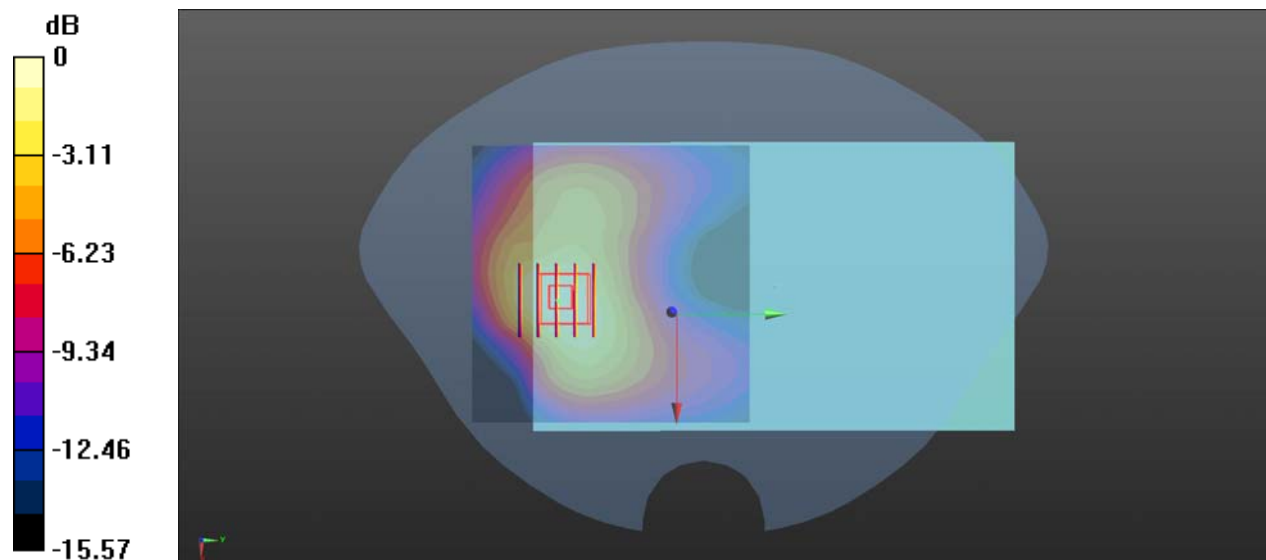
Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.994 W/kg; SAR(10 g) = 0.616 W/kg**

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 68.1%

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



0 dB = 1.26 W/kg

### WCDMA Band V\_RMC 12.2Kbps\_Bottom Face\_8mm\_Ch4233\_Sensor off

Communication System: UID 0, UMTS-FDD (0); Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_900 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.959$  S/m;  $\epsilon_r = 43.168$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(9.31, 9.31, 9.31) @ 846.6 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch4233/Area Scan (91x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.932 W/kg

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

Reference Value = 7.958 V/m; Power Drift = 0.09 dB

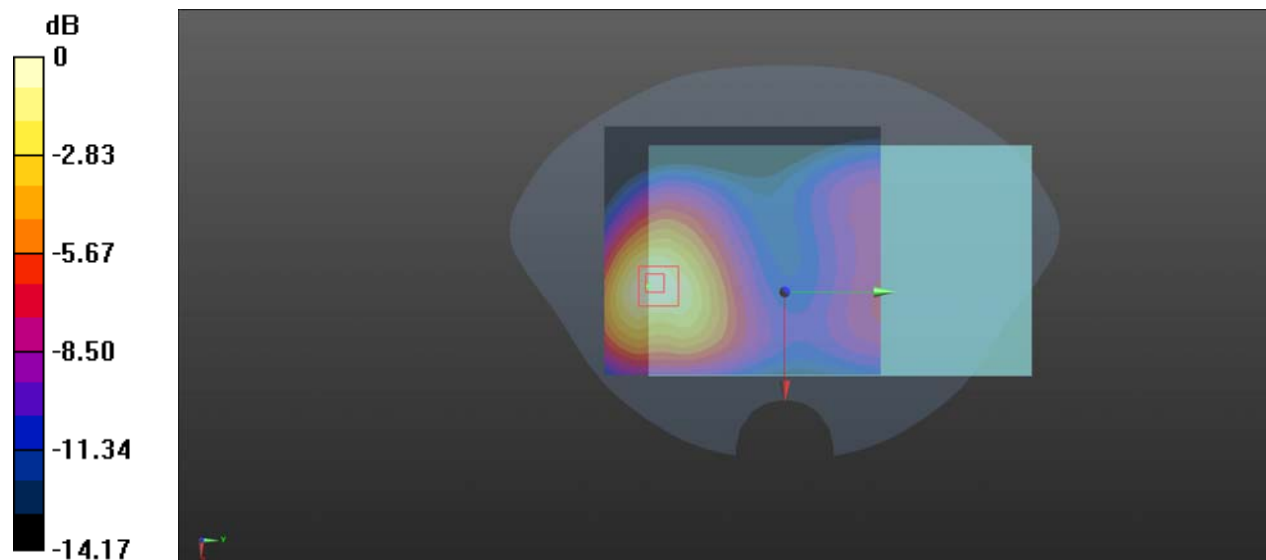
Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.459 W/kg**

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 60.3%

Maximum value of SAR (measured) = 0.959 W/kg



0 dB = 0.959 W/kg

### LTE Band 2\_20MHz\_QPSK\_1RB\_0Offset\_Bottom Face\_8mm\_Ch18700

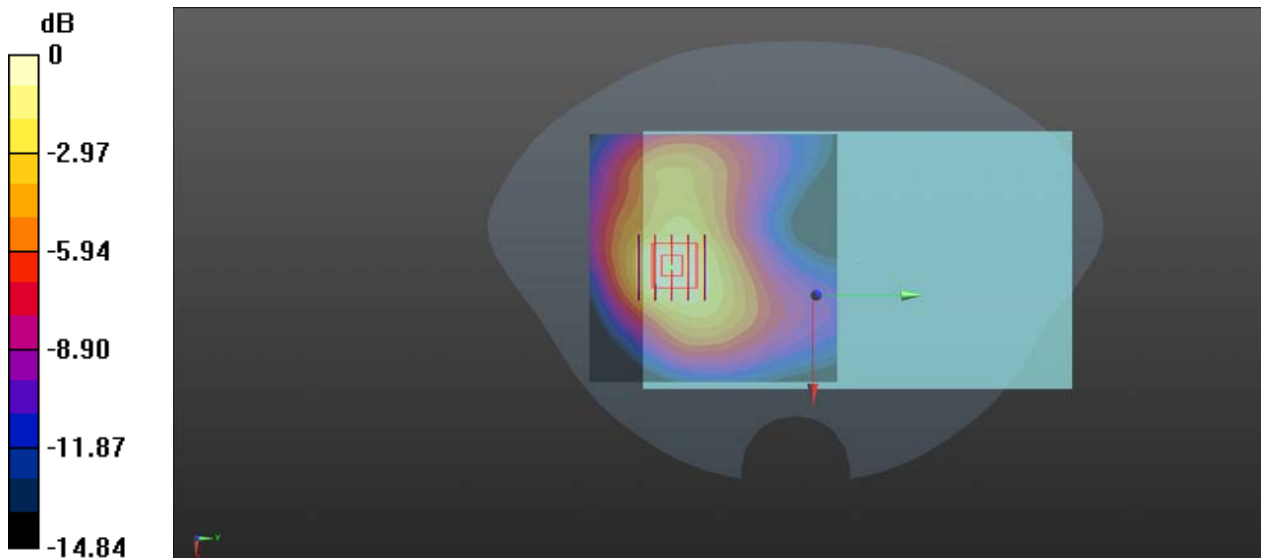
Communication System: UID 0, LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
Medium: HSL\_2000 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.341$  S/m;  $\epsilon_r = 40.084$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.7, 7.7, 7.7) @ 1860 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch18700/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.13 W/kg

**Ch18700/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.343 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 1.37 W/kg  
**SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.574 W/kg**  
Smallest distance from peaks to all points 3 dB below = 17.9 mm  
Ratio of SAR at M2 to SAR at M1 = 68.3%  
Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg

### LTE Band 5\_10MHz\_QPSK\_1RB\_0Offset\_Bottom Face\_8mm\_Ch20525\_Sensor off

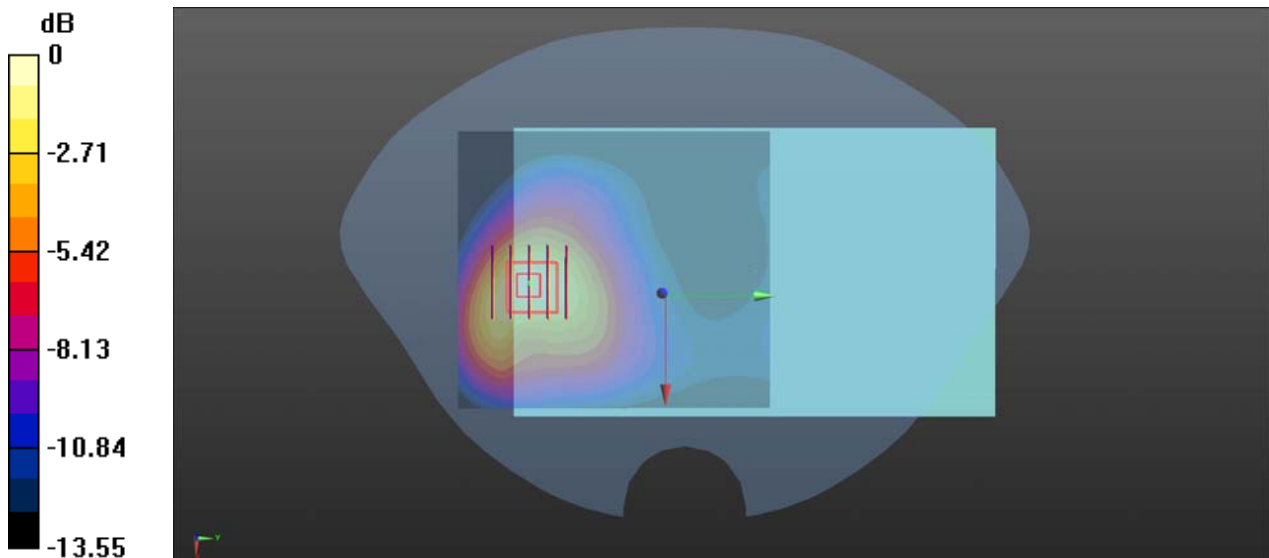
Communication System: UID 0, LTE (0); Frequency: 836.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_900 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.943$  S/m;  $\epsilon_r = 42.967$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(9.31, 9.31, 9.31) @ 836.5 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch20525/Area Scan (81x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.22 W/kg

**Ch20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.779 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 1.65 W/kg  
**SAR(1 g) = 0.966 W/kg; SAR(10 g) = 0.578 W/kg**  
Smallest distance from peaks to all points 3 dB below = 16.5 mm  
Ratio of SAR at M2 to SAR at M1 = 60%  
Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg



### LTE Band 7\_20MHz\_QPSK\_1RB\_0Offset\_Bottom Face\_8mm\_Ch21350\_Sensor off

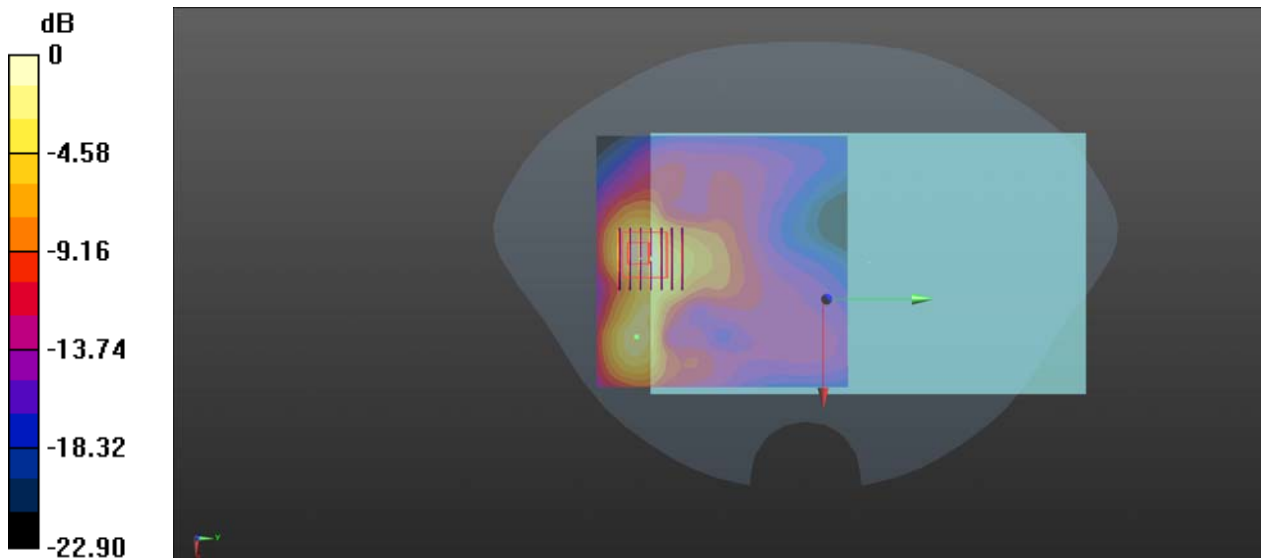
Communication System: UID 0, LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1  
Medium: HSL\_2600 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.941$  S/m;  $\epsilon_r = 38.282$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(6.99, 6.99, 6.99) @ 2560 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch21350/Area Scan (101x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 1.56 W/kg

**Ch21350/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 4.133 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 2.67 W/kg  
**SAR(1 g) = 0.870 W/kg; SAR(10 g) = 0.419 W/kg**  
Smallest distance from peaks to all points 3 dB below = 8.9 mm  
Ratio of SAR at M2 to SAR at M1 = 42.6%  
Maximum value of SAR (measured) = 1.82 W/kg



0 dB = 1.82 W/kg

### LTE Band 12\_10MHz\_QPSK\_1RB\_0Offset\_Bottom Face\_0mm\_Ch23095\_Sensor on

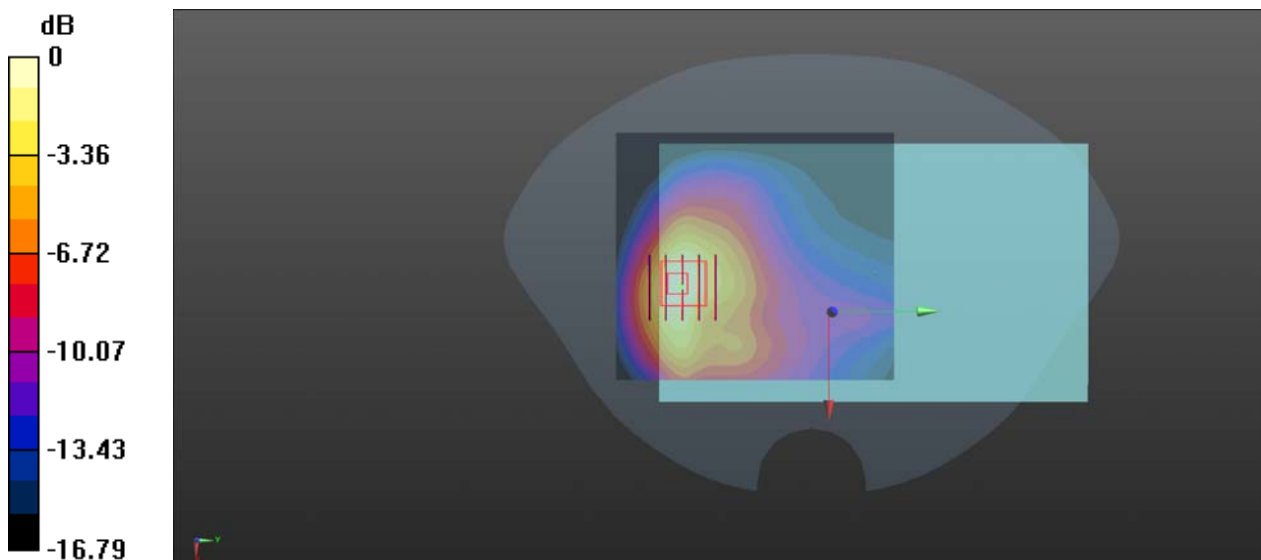
Communication System: UID 0, LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used (interpolated):  $f = 707.5$  MHz;  $\sigma = 0.919$  S/m;  $\epsilon_r = 42.233$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(9.76, 9.76, 9.76) @ 707.5 MHz; Calibrated: 2020.11.27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch23095/Area Scan (81x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.33 W/kg

**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.820 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 1.70 W/kg  
**SAR(1 g) = 0.835 W/kg; SAR(10 g) = 0.440 W/kg**  
Smallest distance from peaks to all points 3 dB below = 9.7 mm  
Ratio of SAR at M2 to SAR at M1 = 52.8%  
Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg

### LTE Band 66\_20MHz\_QPSK\_1RB\_0Offset\_Bottom Face\_8mm\_Ch132572\_Sensor off

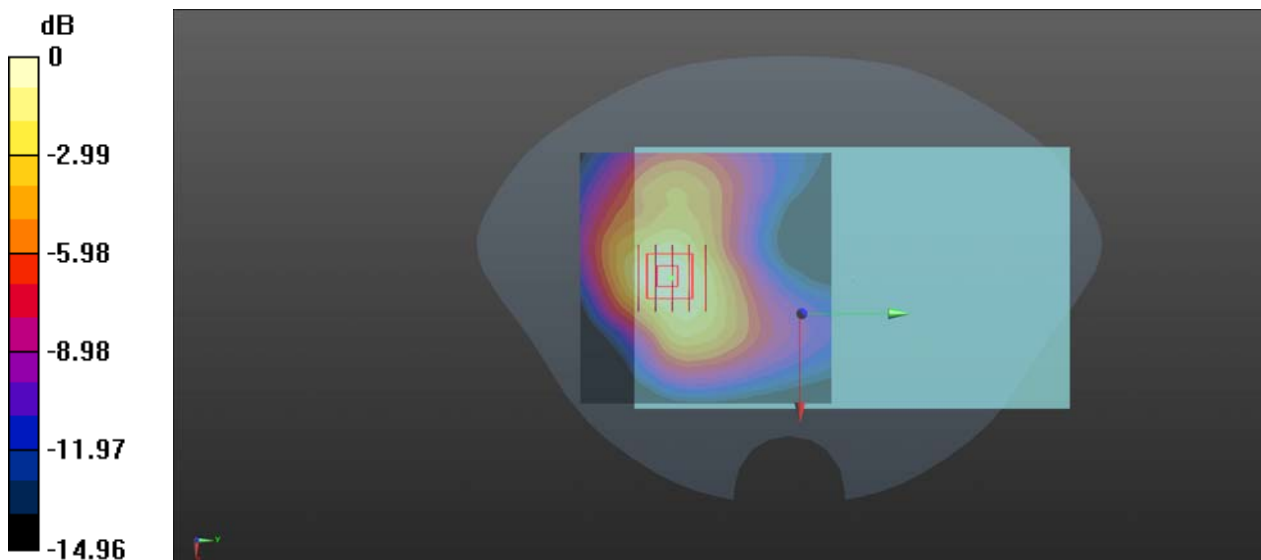
Communication System: UID 0, LTE (0); Frequency: 1770 MHz; Duty Cycle: 1:1  
Medium: HSL\_1800 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.487$  S/m;  $\epsilon_r = 39.48$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.98, 7.98, 7.98) @ 1770 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch132572/Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.19 W/kg

**Ch132572/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.737 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 1.39 W/kg  
**SAR(1 g) = 0.934 W/kg; SAR(10 g) = 0.574 W/kg**  
Smallest distance from peaks to all points 3 dB below = 15.1 mm  
Ratio of SAR at M2 to SAR at M1 = 68.1%  
Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg

## WLAN 2.4GHz\_802.11b 1Mbps\_Edge 1\_Ch1

Communication System: UID 0, WLAN 2.4GHz 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1.012

Medium: HSL\_2450 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.762$  S/m;  $\epsilon_r = 38.862$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3823; ConvF(7.28, 7.28, 7.28) @ 2412 MHz; Calibrated: 2021.01.22
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Ch1/Area Scan (51x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

**Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.420 V/m; Power Drift = -0.08 dB

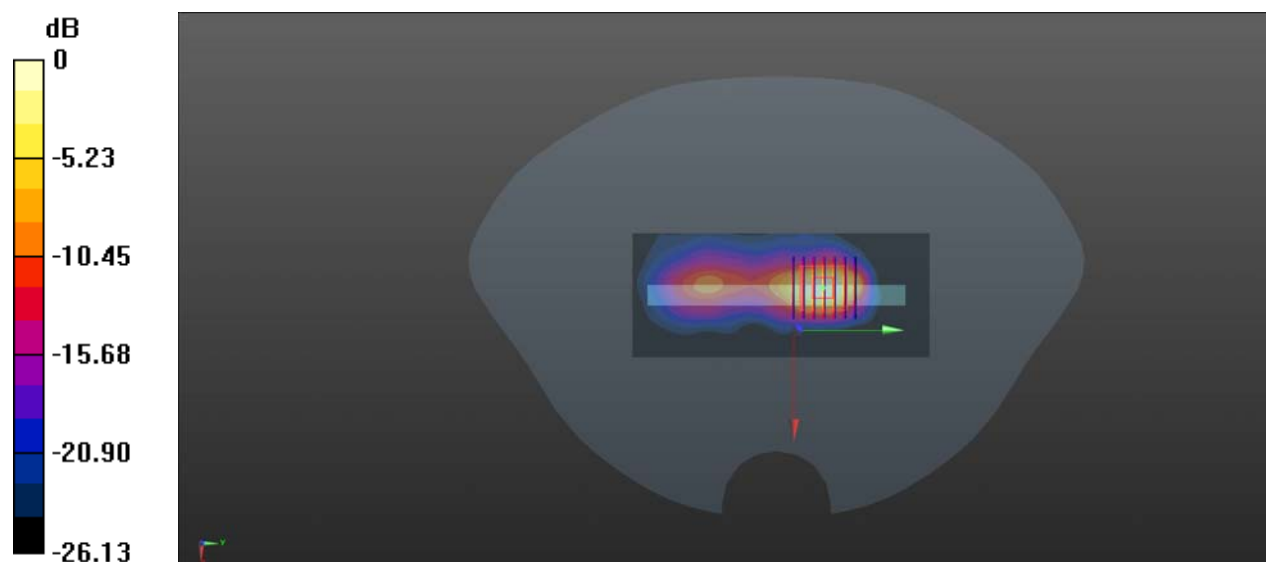
Peak SAR (extrapolated) = 1.78 W/kg

**SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.223 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 39.4%

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg