

**#01\_LTE Band 2\_20M\_QPSK\_1\_0\_Front\_10mm\_Ch18700**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_190904 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.38$  S/m;  $\epsilon_r = 40.645$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.14, 5.14, 5.14) @ 1860 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2018/10/29
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1446
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.20 W/kg

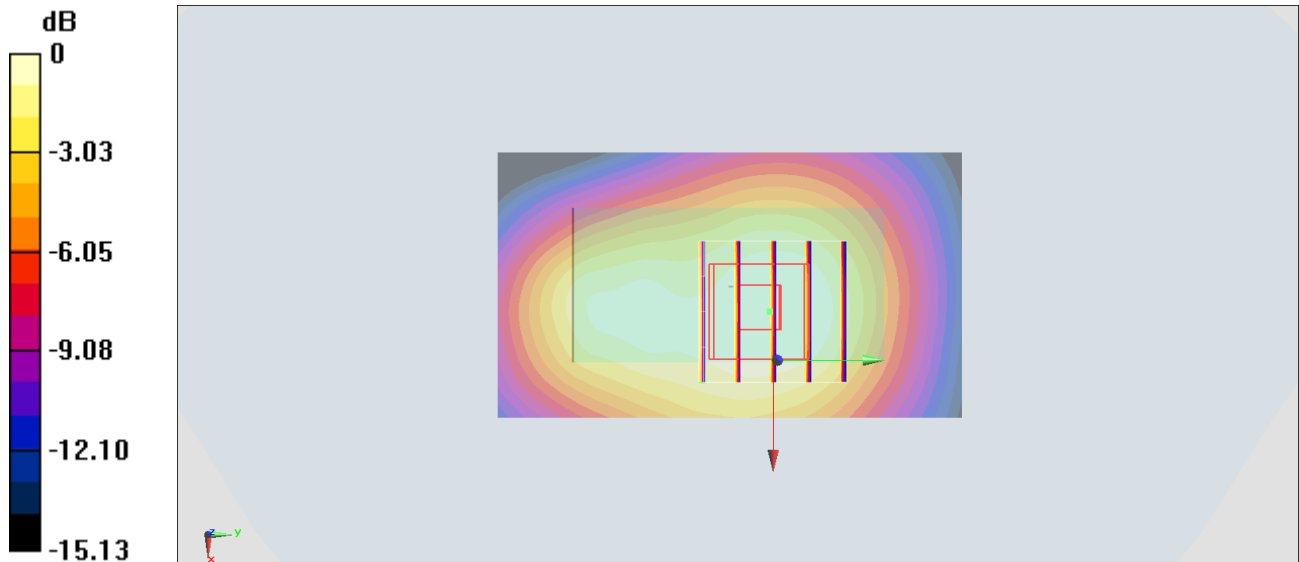
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.70 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.952 W/kg; SAR(10 g) = 0.605 W/kg**

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



0 dB = 1.10 W/kg = 0.41 dBW/kg

**#02\_LTE Band 4\_20M\_QPSK\_1\_0\_Front\_10mm\_Ch20175**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_190906 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 40.908$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3642; ConvF(8.18, 8.18, 8.18) @ 1732.5 MHz; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2019/5/21
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (31x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.88 W/kg

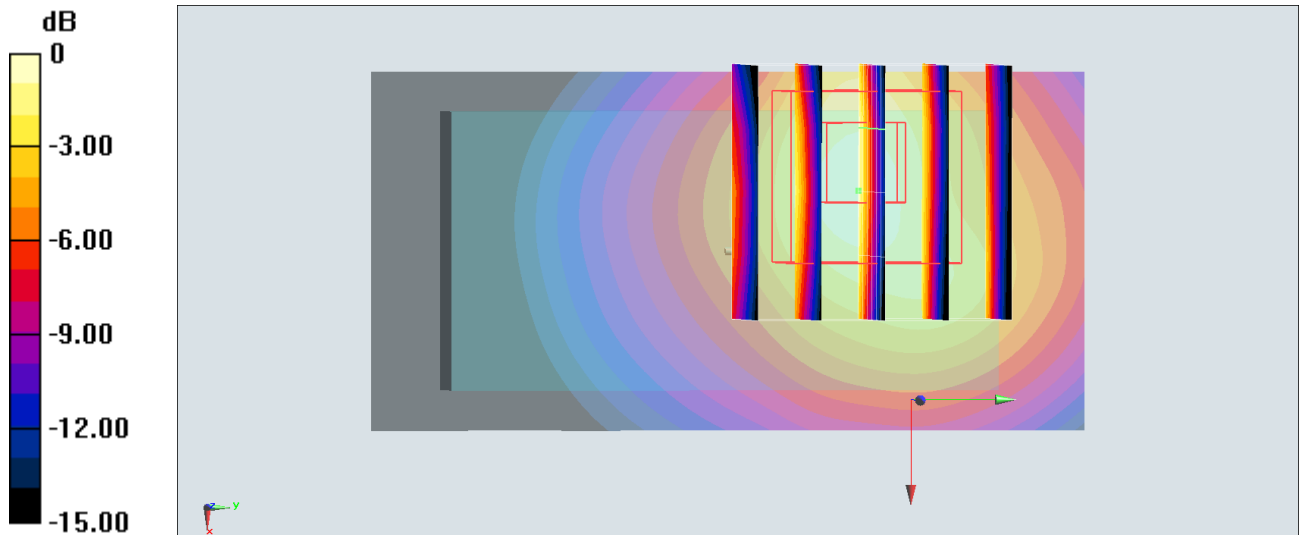
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.59 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.35 W/kg

**SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.702 W/kg**

Maximum value of SAR (measured) = 1.95 W/kg



0 dB = 1.95 W/kg = 2.90 dBW/kg

### #03\_LTE Band 12\_10M\_QPSK\_1\_0\_Front\_10mm\_Ch23095

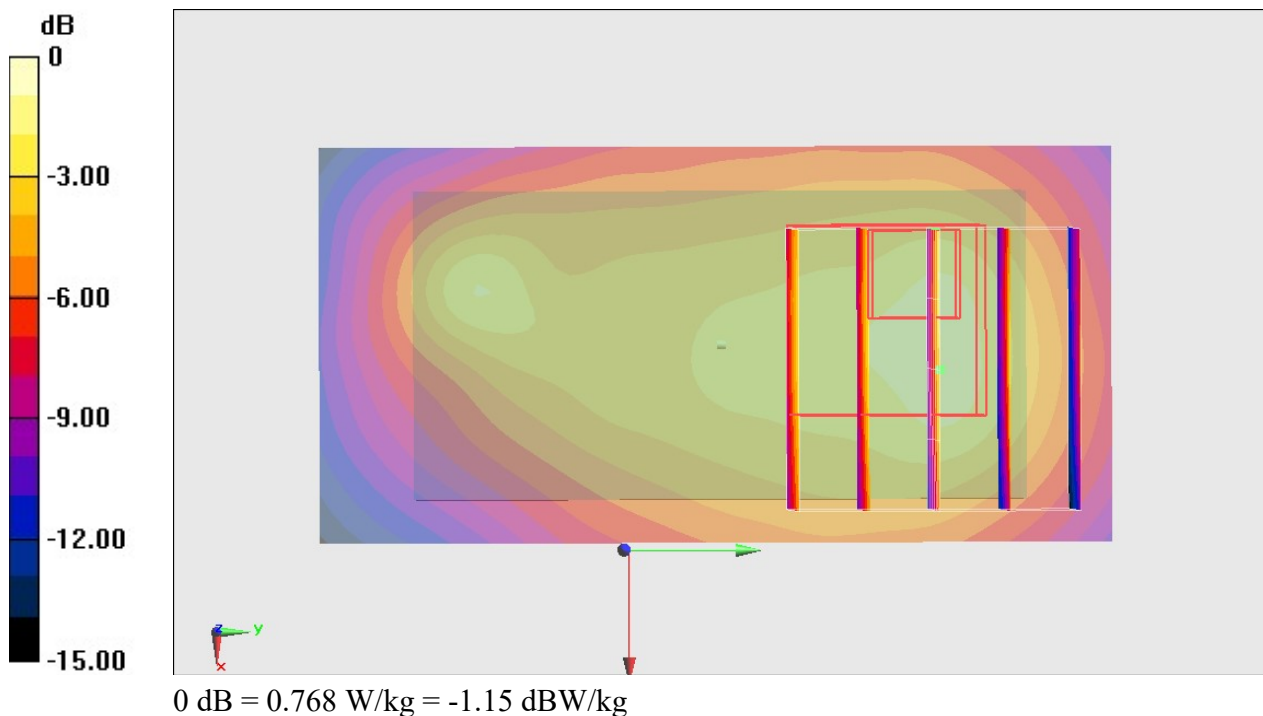
Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_750\_190906 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.85$  S/m;  $\epsilon_r = 43.143$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

#### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(10.54, 10.54, 10.54) @ 707.5 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (31x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.451 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 33.29 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 1.029 W/kg  
**SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.134 W/kg**  
Maximum value of SAR (measured) = 0.768 W/kg



### #04\_LTE Band 2\_20M\_QPSK\_1\_0\_Front\_0mm\_Ch19100

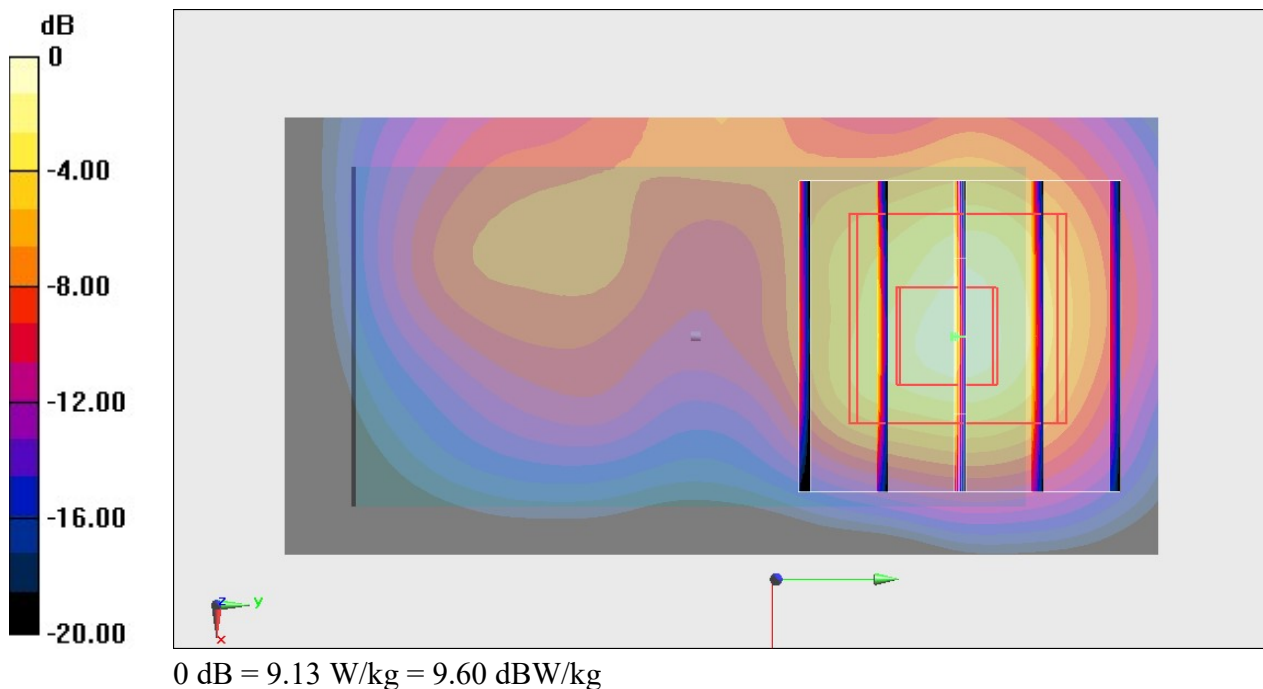
Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1  
 Medium: MSL\_1900\_190904 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.551$  S/m;  $\epsilon_r = 52.056$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.6°C; Liquid Temperature : 22.6 °C

#### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(8, 8, 8) @ 1900 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (31x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 8.11 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 28.91 V/m; Power Drift = -0.06 dB  
 Peak SAR (extrapolated) = 11.5 W/kg  
**SAR(1 g) = 5.77 W/kg; SAR(10 g) = 2.47 W/kg**  
 Maximum value of SAR (measured) = 9.13 W/kg



### #05\_LTE Band 4\_20M\_QPSK\_1\_0\_Front\_0mm\_Ch20175

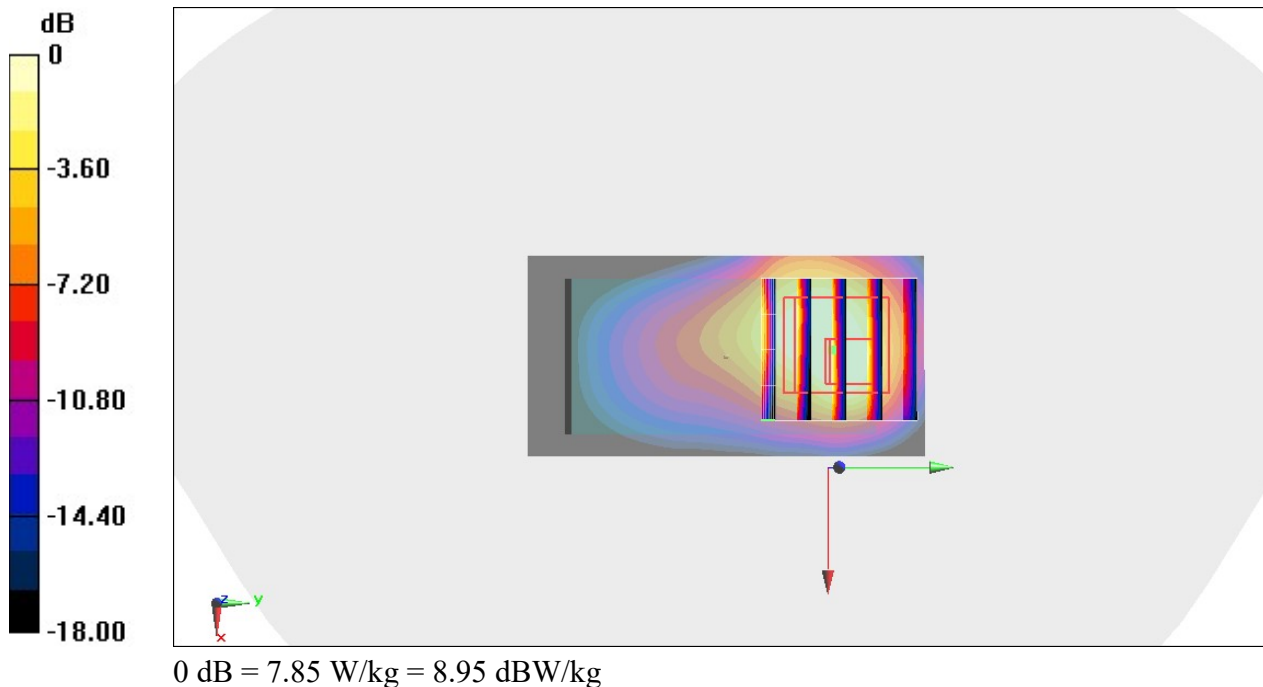
Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium: MSL1750\_190904 Medium parameters used:  $f = 1733 \text{ MHz}$ ;  $\sigma = 1.472 \text{ S/m}$ ;  $\epsilon_r = 54.711$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.6^\circ\text{C}$ ; Liquid Temperature :  $22.6^\circ\text{C}$

#### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(8.4, 8.4, 8.4) @ 1732.5 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (31x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $10.2 \text{ W/kg}$

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $64.71 \text{ V/m}$ ; Power Drift =  $0.13 \text{ dB}$   
Peak SAR (extrapolated) =  $11.5 \text{ W/kg}$   
**SAR(1 g) =  $5.03 \text{ W/kg}$ ; SAR(10 g) =  $2.33 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $7.85 \text{ W/kg}$



### #06\_LTE Band 12\_10M\_QPSK\_1\_0\_Back\_0mm\_Ch23095

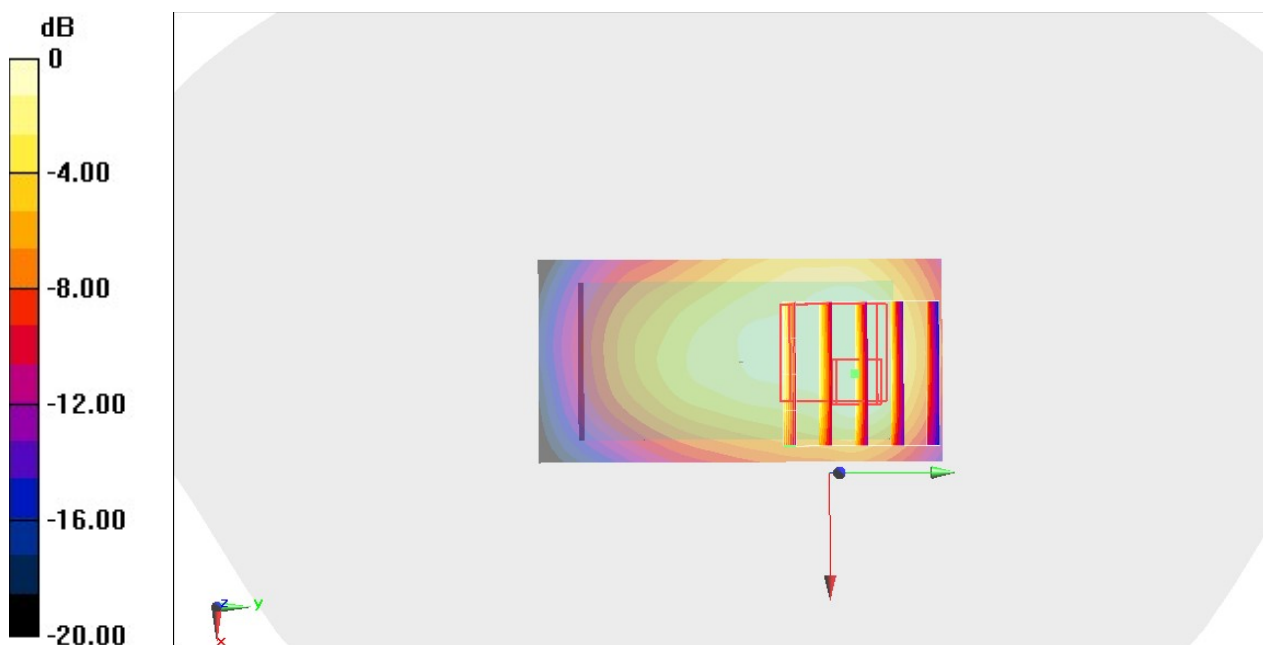
Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_190905 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 55.609$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

#### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(10.17, 10.17, 10.17) @ 707.5 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (31x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 2.11 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 38.46 V/m; Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 2.03 W/kg  
**SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.634 W/kg**  
Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg

### #07\_LTE Band 2\_20M\_QPSK\_1\_0\_Front\_0mm\_Ch18700

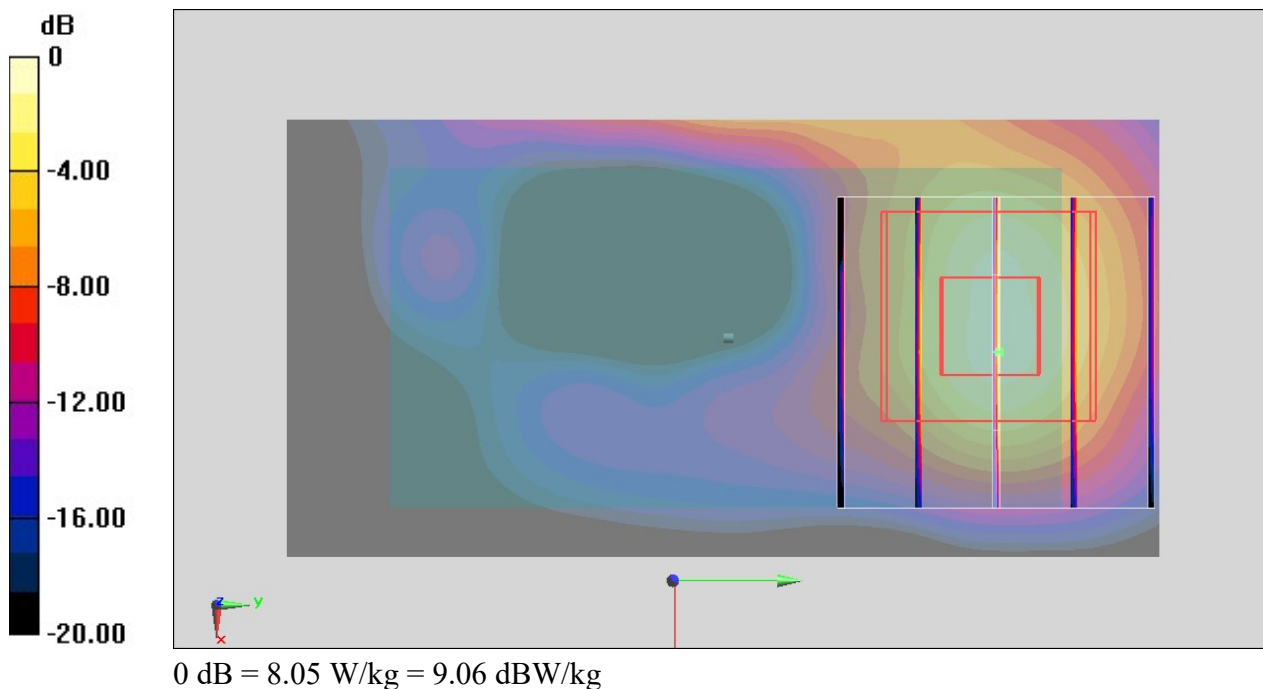
Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_190904 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.521$  S/m;  $\epsilon_r = 52.181$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6°C ; Liquid Temperature : 22.6 °C

#### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(8, 8, 8) @ 1860 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (31x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 6.81 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 29.28 V/m; Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 10.3 W/kg  
**SAR(1 g) = 5.15 W/kg; SAR(10 g) = 2.27 W/kg**  
Maximum value of SAR (measured) = 8.05 W/kg



### #08\_LTE Band 4\_20M\_QPSK\_1\_0\_Front\_0mm\_Ch20175

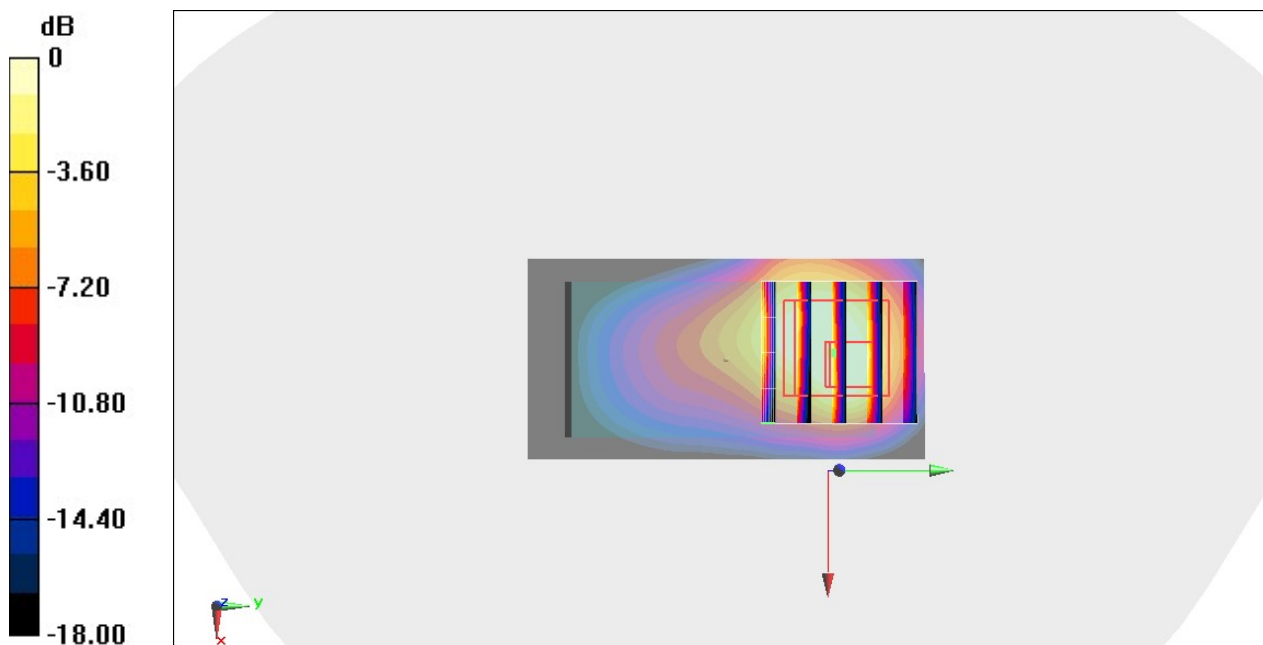
Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium: MSL1750\_190904 Medium parameters used:  $f = 1733 \text{ MHz}$ ;  $\sigma = 1.472 \text{ S/m}$ ;  $\epsilon_r = 54.711$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.6^\circ\text{C}$ ; Liquid Temperature :  $22.6^\circ\text{C}$

#### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(8.4, 8.4, 8.4) @ 1732.5 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (31x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $10.2 \text{ W/kg}$

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $64.71 \text{ V/m}$ ; Power Drift =  $0.13 \text{ dB}$   
Peak SAR (extrapolated) =  $11.5 \text{ W/kg}$   
**SAR(1 g) =  $5.03 \text{ W/kg}$ ; SAR(10 g) =  $2.33 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $7.85 \text{ W/kg}$



0 dB =  $7.85 \text{ W/kg}$  =  $8.95 \text{ dBW/kg}$



### #09\_LTE Band 12\_10M\_QPSK\_1\_0\_Back\_0mm\_Ch23095

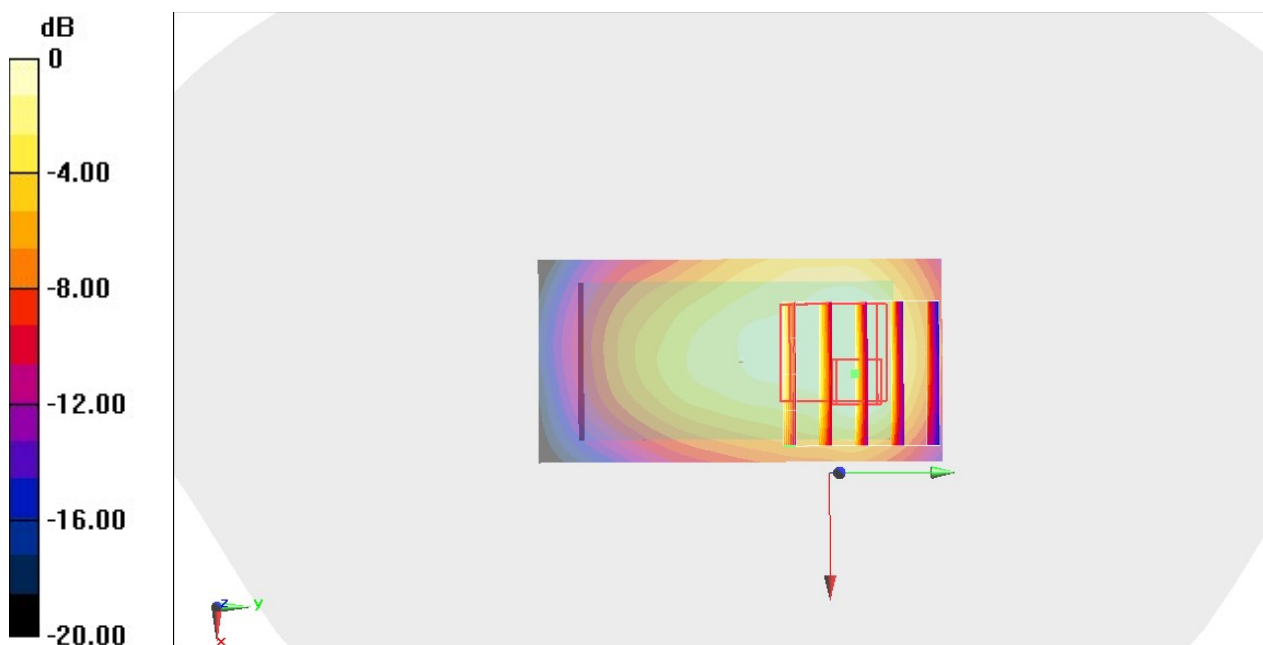
Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_190905 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 55.609$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

#### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(10.17, 10.17, 10.17) @ 707.5 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (31x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 2.11 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 38.46 V/m; Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 2.03 W/kg  
**SAR(1 g) = 0.982 W/kg; SAR(10 g) = 0.634 W/kg**  
Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg