

### 30\_GSM850\_GPRS(3 Tx slots)\_Left Side\_10mm\_Ch189

Communication System: GPRS; Frequency: 836.4 MHz; Duty Cycle: 1:2.77

Medium: HSL\_835\_191224 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 42.712$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.57, 9.57, 9.57); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.891 W/kg

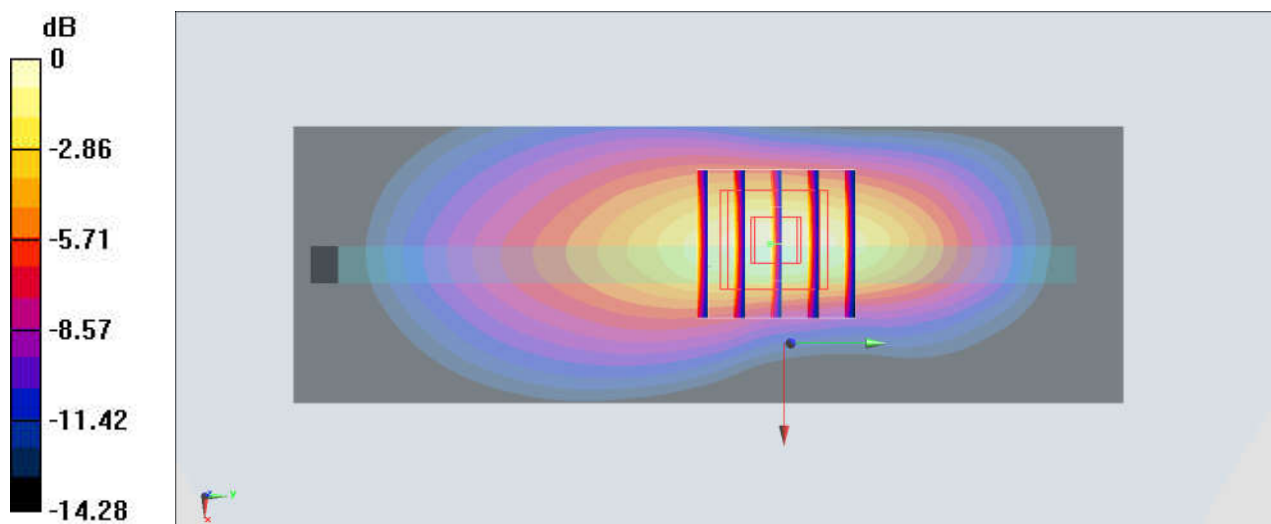
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.403 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.361 W/kg**

Maximum value of SAR (measured) = 0.911 W/kg



0 dB = 0.911 W/kg = -0.40 dBW/kg

### 31\_GSM1900\_GPRS(3 Tx slots)\_Bottom Side\_10mm\_Ch661

Communication System: GPRS; Frequency: 1880 MHz; Duty Cycle: 1:2.77

Medium: HSL\_1900\_191218 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.408$  S/m;  $\epsilon_r = 41.203$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.27, 8.27, 8.27); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.819 W/kg

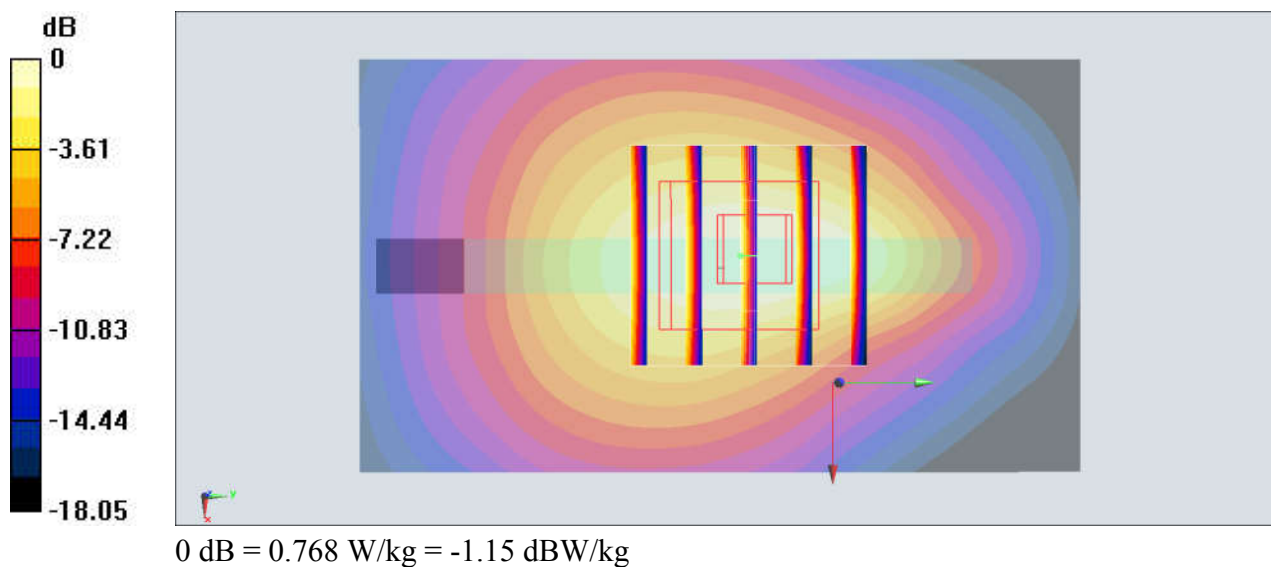
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.40 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.990 W/kg

**SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.302 W/kg**

Maximum value of SAR (measured) = 0.768 W/kg



## 32\_WCDMA V\_RMC 12.2Kbps\_Left Side\_10mm\_Ch4182

Communication System: UMTS; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: HSL\_835\_191224 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 42.712$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.57, 9.57, 9.57); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.951 W/kg

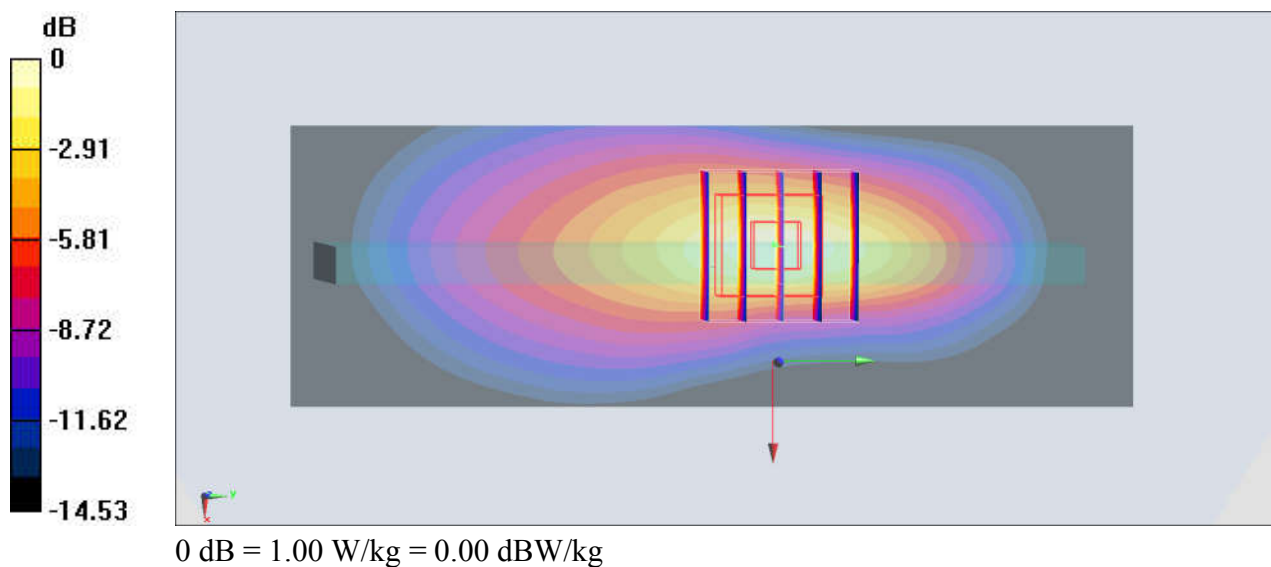
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.098 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.384 W/kg**

Maximum value of SAR (measured) = 1.00 W/kg



### 33\_WCDMA IV\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch1312

Communication System: UMTS; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_191221 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.36$  S/m;  $\epsilon_r = 39.954$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.54, 8.54, 8.54); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

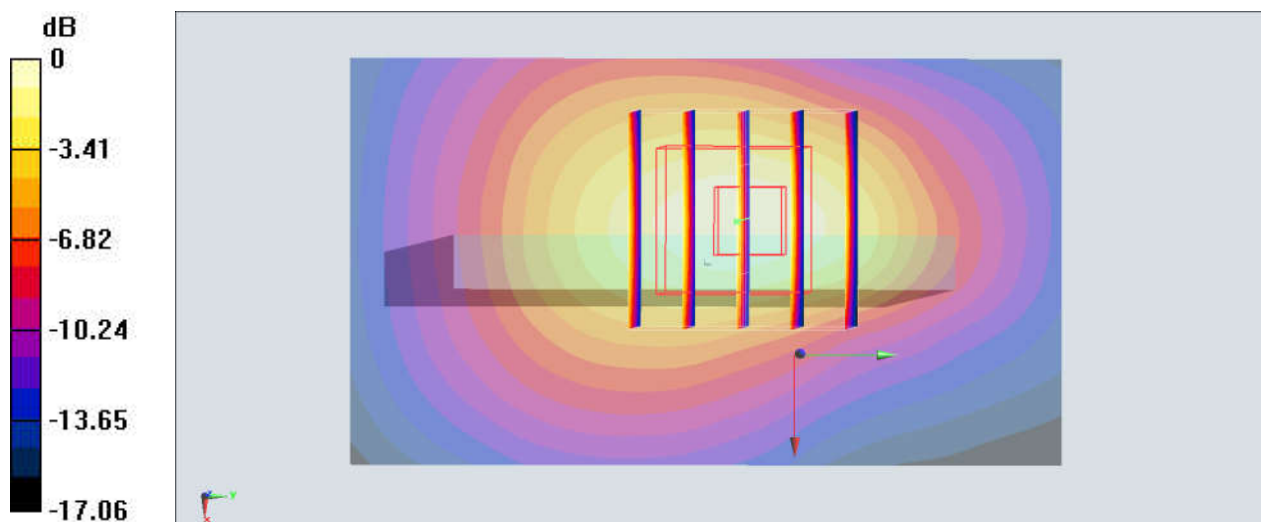
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.51 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.403 W/kg**

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

### 34\_WCDMA II\_RMC 12.2Kbps\_Top Side\_10mm\_Ch9538

Communication System: UMTS; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_191218 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.467$  S/m;  $\epsilon_r = 39.203$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.27, 8.27, 8.27); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 1.07 W/kg

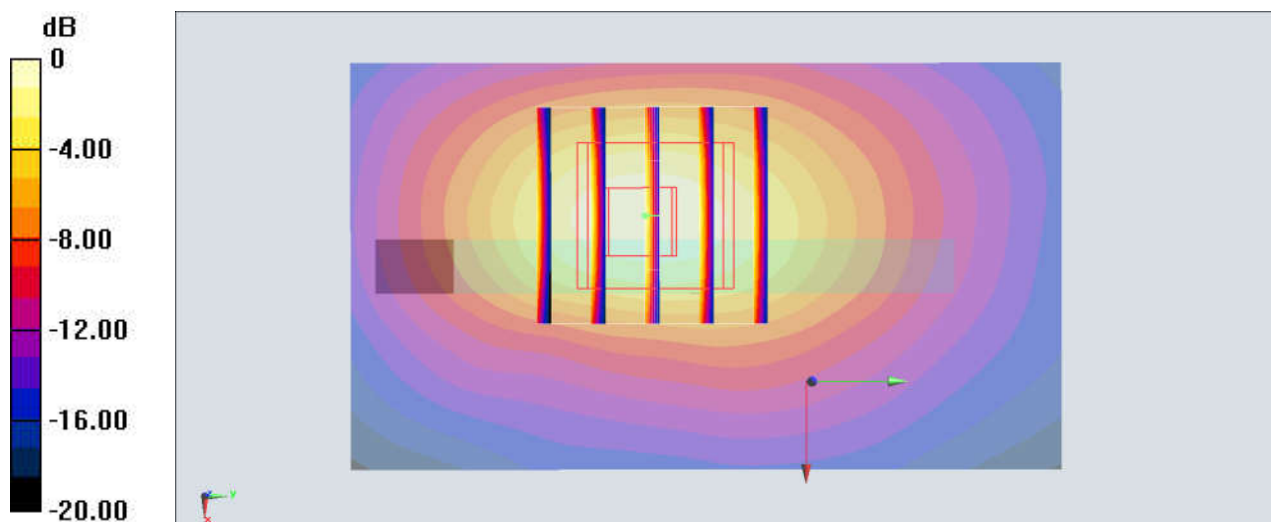
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.10 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.716 W/kg; SAR(10 g) = 0.370 W/kg**

Maximum value of SAR (measured) = 1.07 W/kg



**35\_CDMA2000 BC0\_RTAP 153.6Kbps\_Left Side\_10mm\_Ch777**

Communication System: CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: HSL\_835\_191224 Medium parameters used :  $f = 848.31$  MHz;  $\sigma = 0.941$  S/m;  $\epsilon_r = 42.565$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.57, 9.57, 9.57); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.728 W/kg

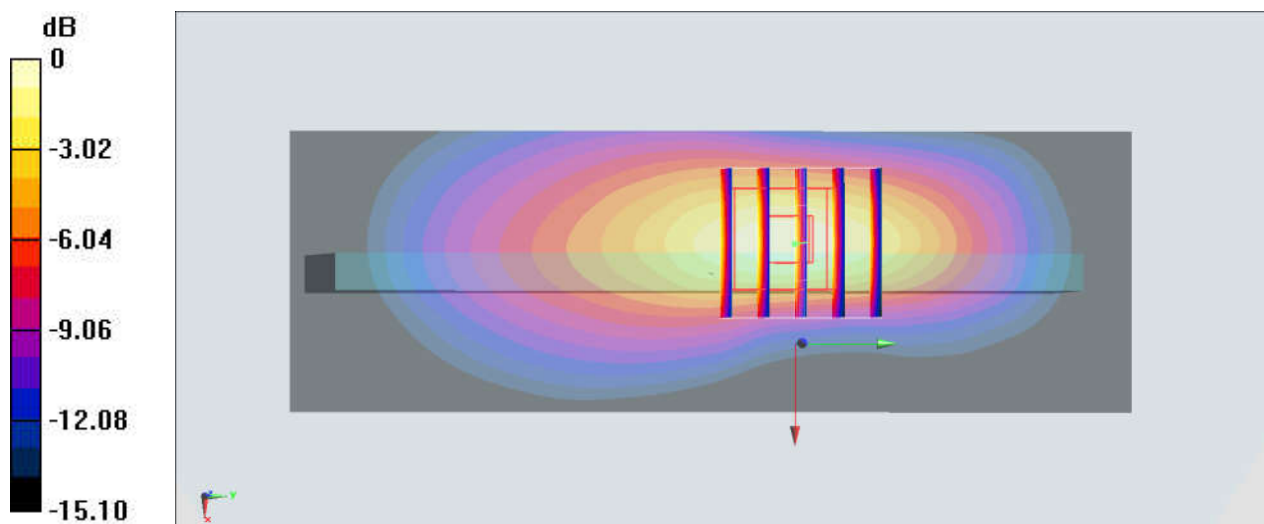
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 22.66 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.977 W/kg

**SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.296 W/kg**

Maximum value of SAR (measured) = 0.772 W/kg



0 dB = 0.772 W/kg = -1.12 dBW/kg

**36\_CDMA2000 BC10\_RTAP 153.6Kbps\_Left Side\_10mm\_Ch476**

Communication System: CDMA; Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: HSL\_835\_191224 Medium parameters used :  $f = 817.9$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 42.951$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.57, 9.57, 9.57); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.753 W/kg

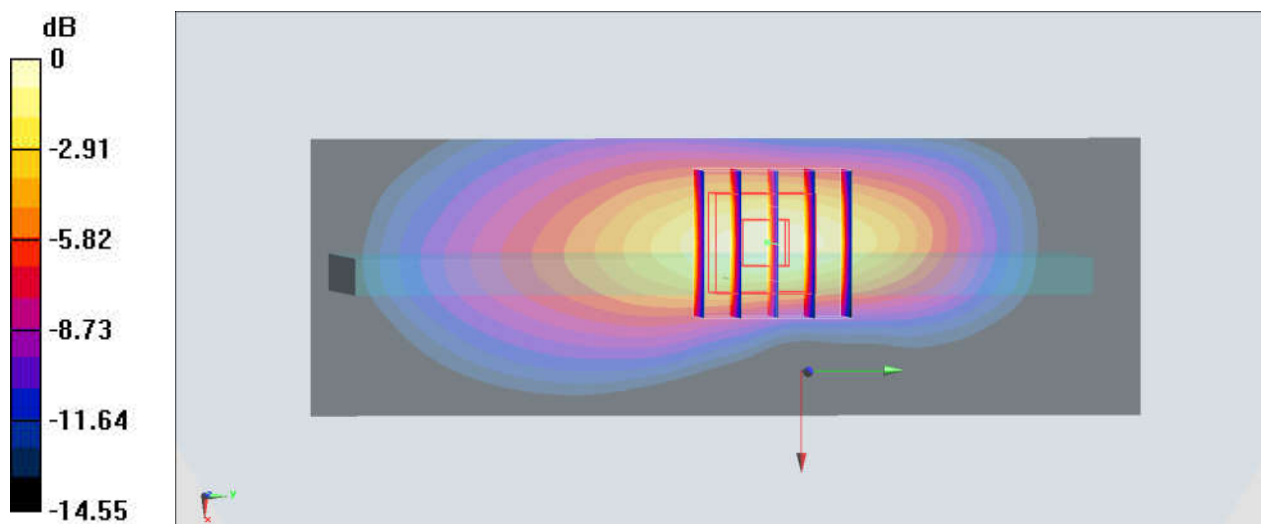
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 23.65 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.977 W/kg

**SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.300 W/kg**

Maximum value of SAR (measured) = 0.779 W/kg



**37\_CDMA2000 BC1\_RTAP 153.6Kbps\_Bottom Side\_10mm\_Ch1175**

Communication System: CDMA2000 ; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_191218 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.426$  S/m;  $\epsilon_r = 41.109$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.27, 8.27, 8.27); Calibrated: 2019.03.01;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.911 W/kg

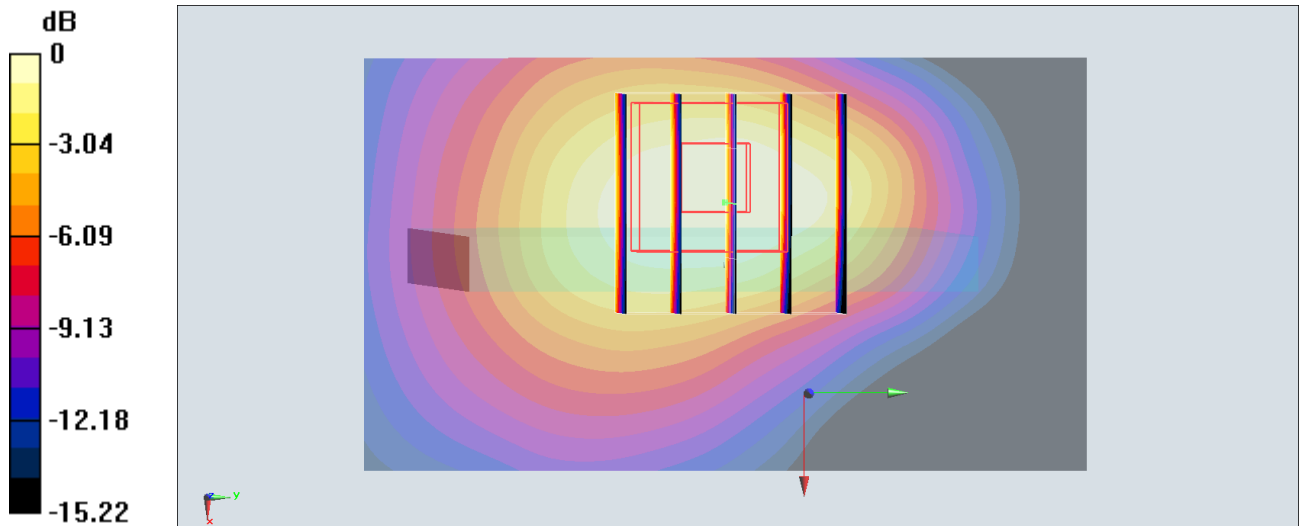
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.200 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.600 W/kg; SAR(10 g) = 0.332 W/kg**

Maximum value of SAR (measured) = 0.779 W/kg



0 dB = 0.779 W/kg = -1.08 dBW/kg



**38\_LTE Band 71\_20M\_QPSK\_1RB\_0Offset\_Left Side\_10mm\_Ch133322**

Communication System: LTE; Frequency: 673 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_191227 Medium parameters used :  $f = 673$  MHz;  $\sigma = 0.838$  S/m;  $\epsilon_r = 43.022$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(10, 10, 10); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.755 W/kg

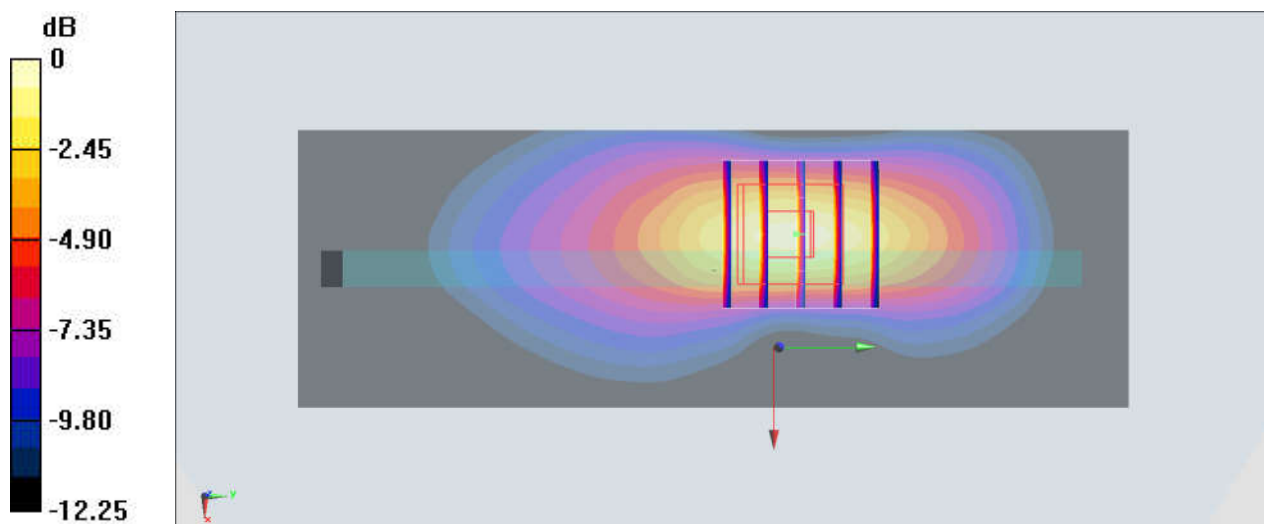
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.59 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.355 W/kg**

Maximum value of SAR (measured) = 0.840 W/kg



0 dB = 0.840 W/kg = -0.76 dBW/kg

**39\_LTE Band 12\_10M\_QPSK\_1RB\_25Offset\_Left Side\_10mm\_Ch23095**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_191227 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.864$  S/m;  $\epsilon_r = 42.44$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(10, 10, 10); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.986 W/kg

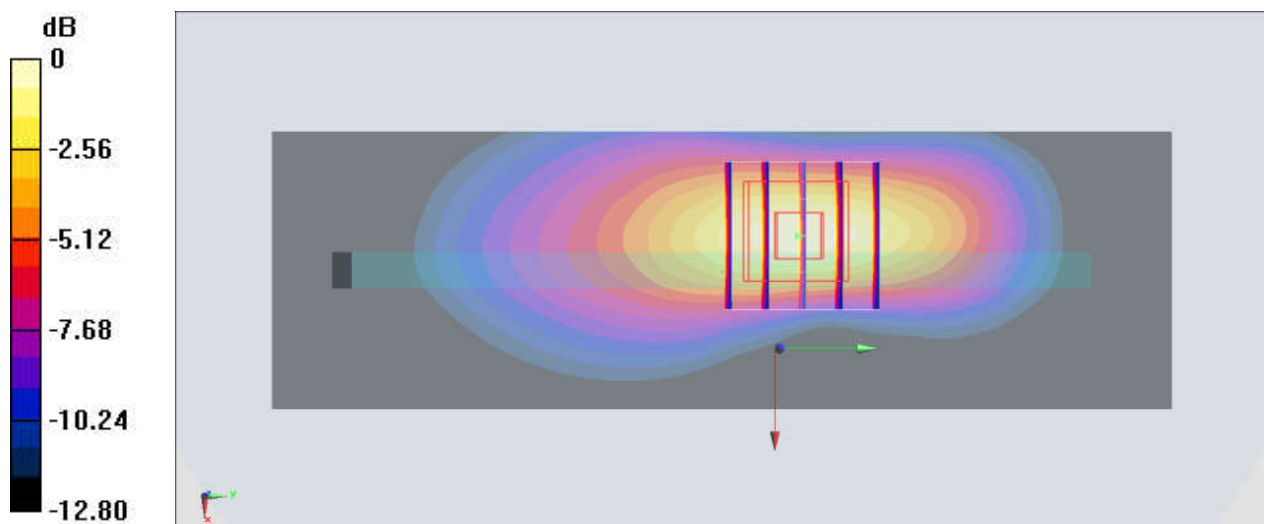
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 25.56 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.737 W/kg; SAR(10 g) = 0.423 W/kg**

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

**40\_LTE Band 13\_10M\_QPSK\_25RB\_12Offset\_Left Side\_10mm\_Ch23230**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_191227 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r = 40.826$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(10, 10, 10); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.790 W/kg

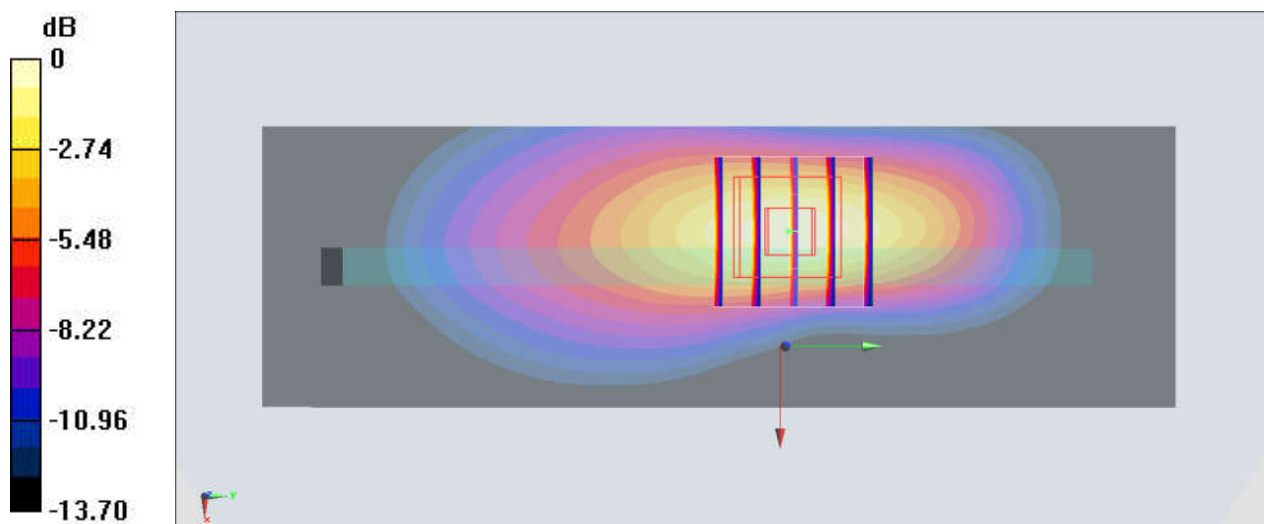
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 23.03 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.330 W/kg**

Maximum value of SAR (measured) = 0.821 W/kg



0 dB = 0.821 W/kg = -0.86 dBW/kg

**41\_LTE Band 5\_10M\_QPSK\_50RB\_0Offset\_Left Side\_10mm\_Ch20525**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL\_835\_191224 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 42.711$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.57, 9.57, 9.57); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.820 W/kg

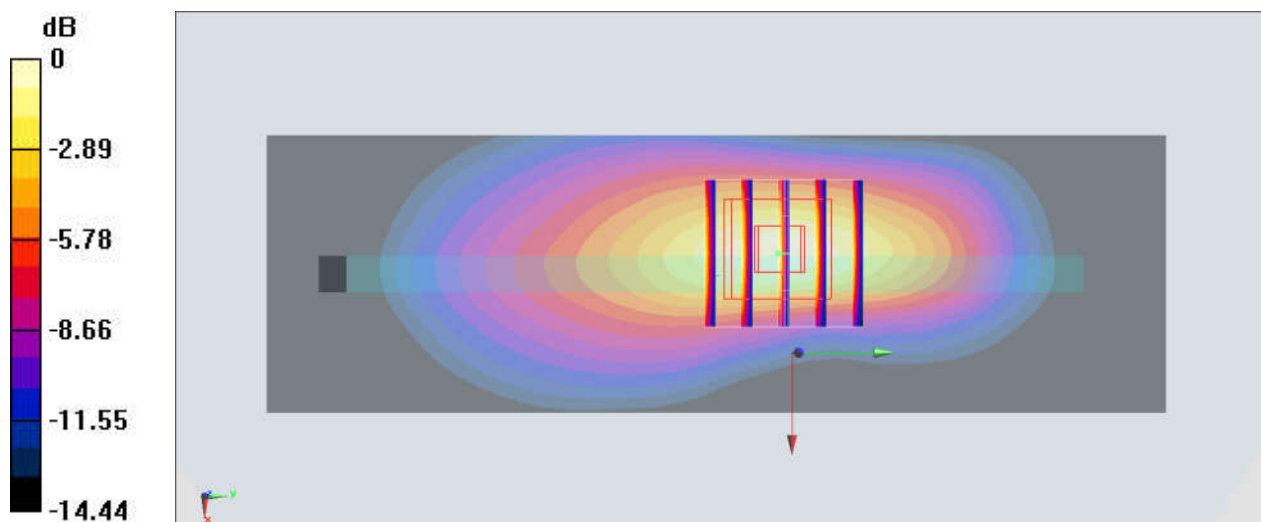
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.876 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.327 W/kg**

Maximum value of SAR (measured) = 0.850 W/kg



0 dB = 0.850 W/kg = -0.71 dBW/kg

**42\_LTE Band 26\_15M\_QPSK\_36RB\_20Offset\_Left Side\_10mm\_Ch26965**

Communication System: LTE; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium: HSL\_835\_191224 Medium parameters used :  $f = 841.5$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 42.711$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.57, 9.57, 9.57); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.899 W/kg

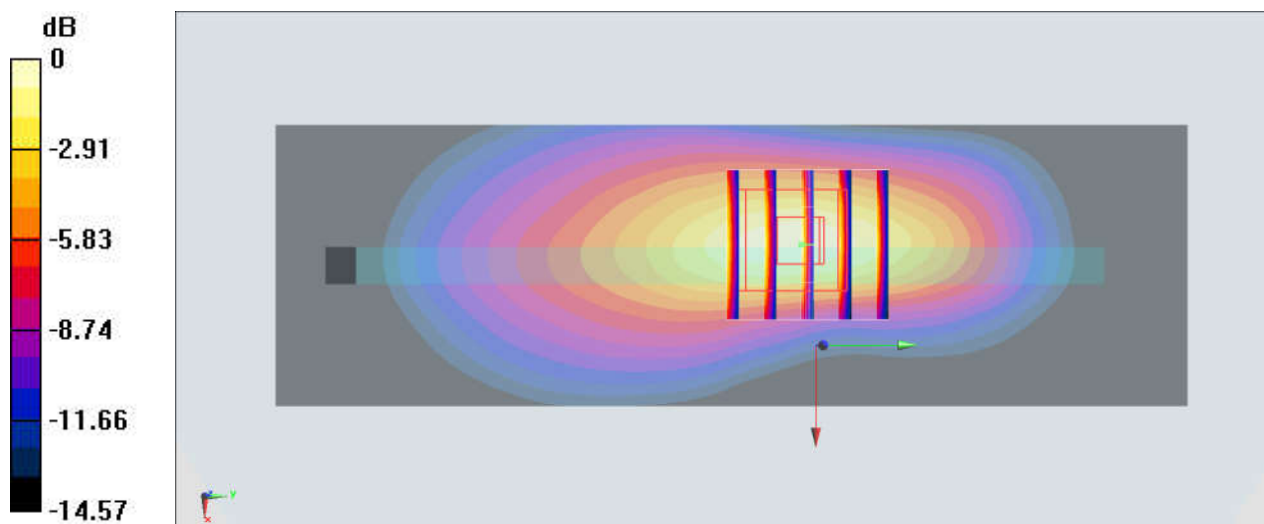
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.859 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.362 W/kg**

Maximum value of SAR (measured) = 0.928 W/kg



0 dB = 0.928 W/kg = -0.32 dBW/kg

**43\_LTE Band 66\_20M\_QPSK\_1RB\_0Offset\_Top Side\_10mm\_Ch132572**

Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_191221 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 39.765$ ;

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.54, 8.54, 8.54); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.961 W/kg

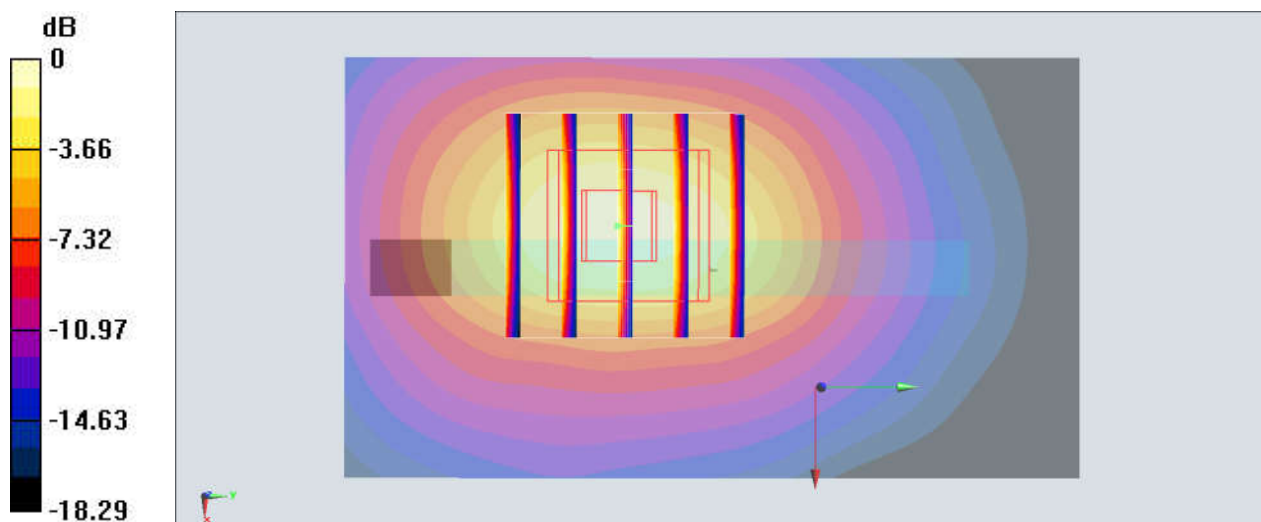
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.71 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.375 W/kg**

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

**44\_LTE Band 25\_20M\_QPSK\_50RB\_24Offset\_Top Side\_10mm\_Ch26590**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_191218 Medium parameters used :  $f = 1905$  MHz;  $\sigma = 1.424$  S/m;  $\epsilon_r = 41.122$ ;

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(8.27, 8.27, 8.27); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.774 W/kg

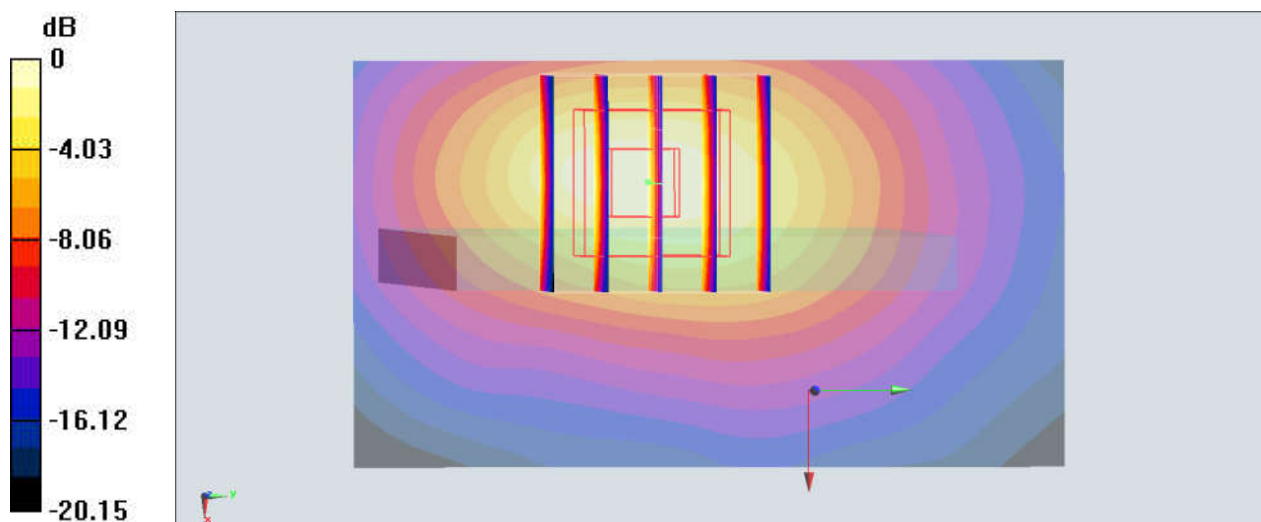
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.329 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.284 W/kg**

Maximum value of SAR (measured) = 0.806 W/kg





**45\_LTE Band 30\_10M\_QPSK\_1RB\_0Offset\_Top Side\_10mm\_Ch27710**

Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: HSL\_2300\_191230 Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.682$  S/m;  $\epsilon_r = 38.704$ ;

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

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.64, 7.64, 7.64); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

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

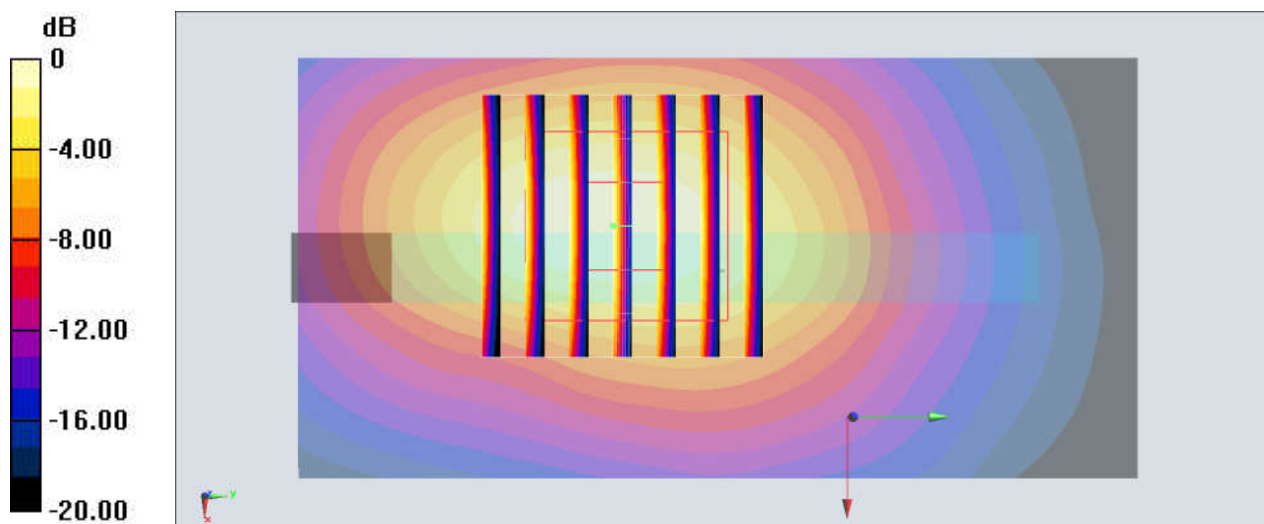
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 22.98 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.66 W/kg

**SAR(1 g) = 0.793 W/kg; SAR(10 g) = 0.387 W/kg**

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg



**46\_LTE Band 7\_20M\_QPSK\_100RB\_0Offset\_Top Side\_10mm\_Ch20850**

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: HSL\_2600\_200105 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.953$  S/m;  $\epsilon_r = 37.916$ ;

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.06, 7.06, 7.06); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.28 W/kg

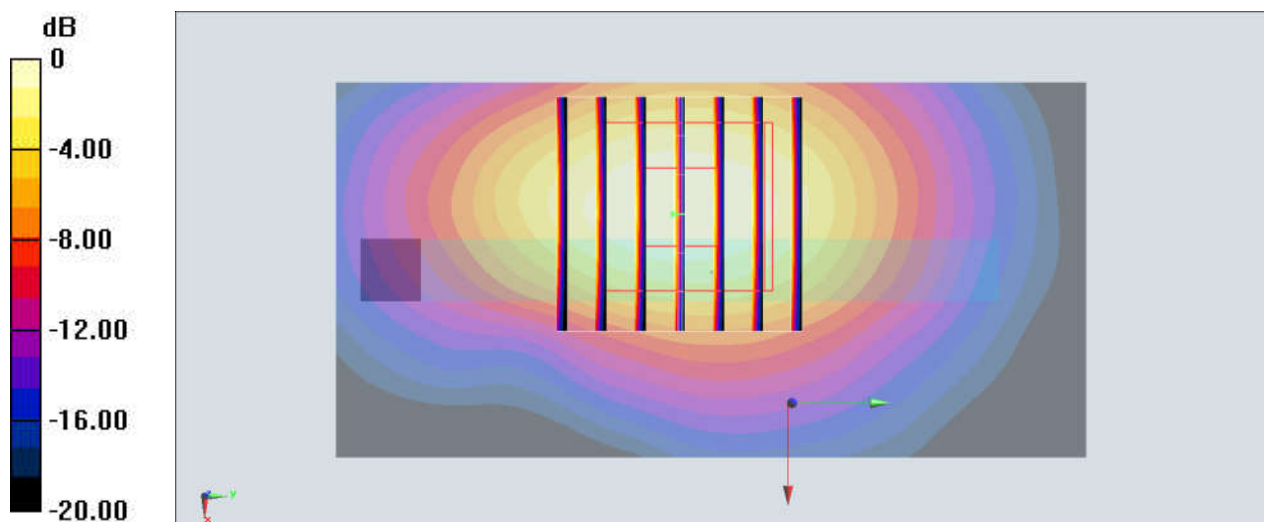
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.51 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.68 W/kg

**SAR(1 g) = 0.800 W/kg; SAR(10 g) = 0.376 W/kg**

Maximum value of SAR (measured) = 1.22 W/kg



**47\_LTE Band 41\_20M\_QPSK\_50RB\_24Offset\_Top Side\_10mm\_Ch39750**

Communication System: LTE; Frequency: 2506 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_200105 Medium parameters used:  $f = 2506$  MHz;  $\sigma = 1.948$  S/m;  $\epsilon_r = 37.931$ ;

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.06, 7.06, 7.06); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.38 W/kg

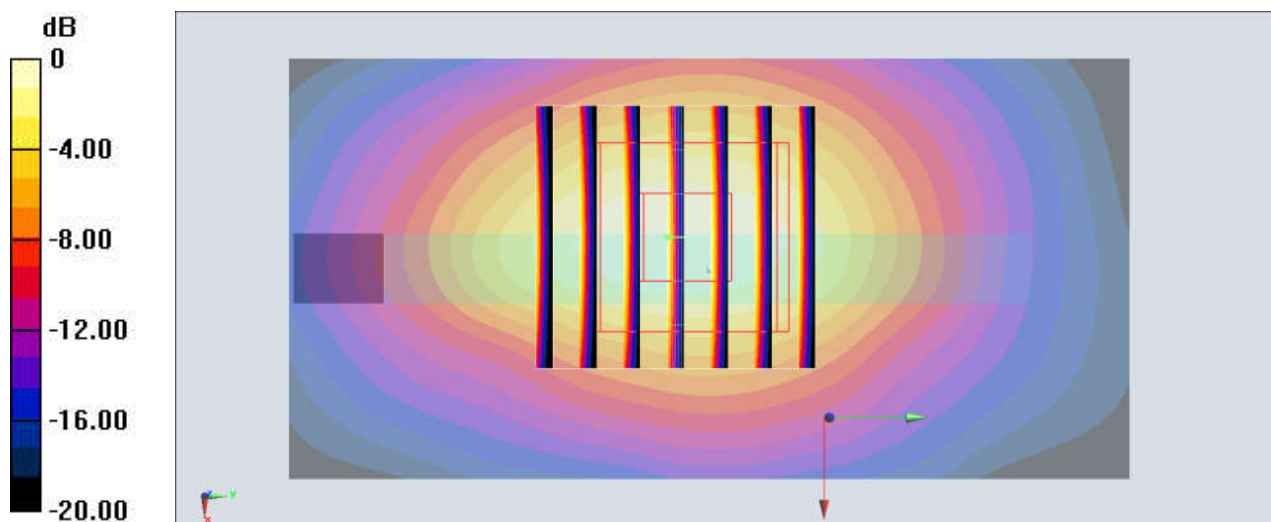
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.38 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.86 W/kg

**SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.393 W/kg**

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

**48\_LTE Band 48\_20M\_QPSK\_1RB\_49Offset\_Top Side\_10mm\_Ch56640**

Communication System: LTE; Frequency: 3690 MHz; Duty Cycle: 1:1.59

Medium: HSL\_3700\_200109 Medium parameters used :  $f = 3690$  MHz;  $\sigma = 3.046$  S/m;  $\epsilon_r = 38.387$ ;

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.67, 6.67, 6.67); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

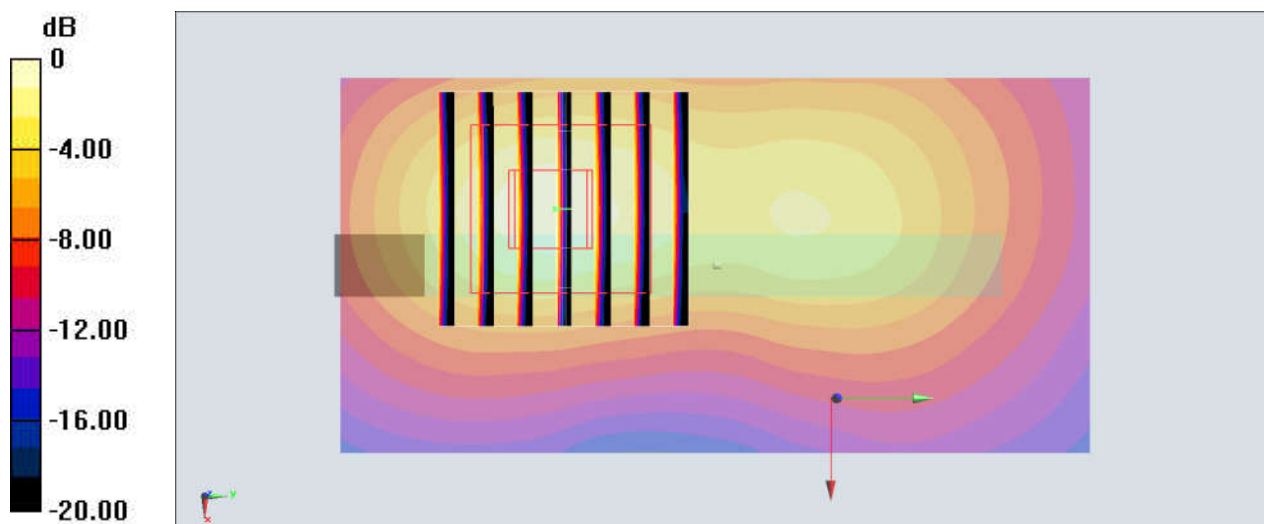
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=1.4mm

Reference Value = 13.23 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.91 W/kg

**SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.250 W/kg**

Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg

**49\_N2\_20M\_PI/2 BPSK\_50\_0\_Bottom Side\_10mm\_Ch376000**

Communication System: NR; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_200206 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.419$  S/m;  $\epsilon_r = 40.407$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(8.07, 8.07, 8.07) @ 1880 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.884 W/kg

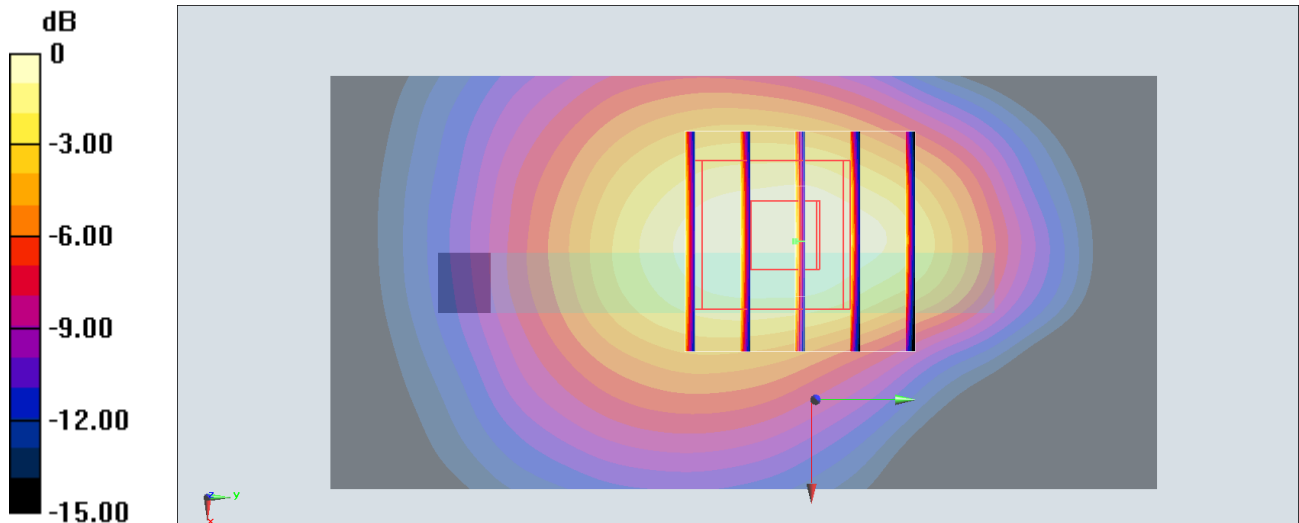
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.73 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.936 W/kg

**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.326 W/kg**

Maximum value of SAR (measured) = 0.805 W/kg



0 dB = 0.805 W/kg = -0.94 dBW/kg

**50\_N5\_20M\_PI/2 BPSK\_50\_0\_Left Side\_10mm\_Ch167800**

Communication System: NR; Frequency: 839 MHz; Duty Cycle: 1:1

Medium: HSL\_850\_200207 Medium parameters used:  $f = 839$  MHz;  $\sigma = 0.9$  S/m;  $\epsilon_r = 40.774$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C ; Liquid Temperature : 22.1 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.41, 6.41, 6.41) @ 839 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.329 W/kg

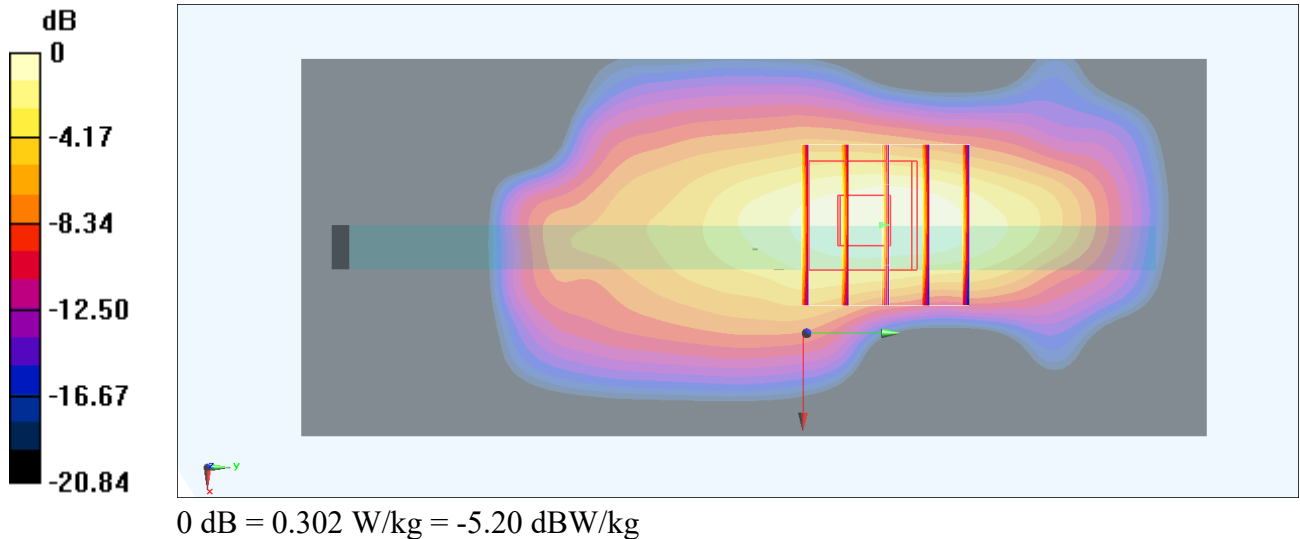
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.09 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.382 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.139 W/kg**

Maximum value of SAR (measured) = 0.302 W/kg



**51\_N41\_100M\_PI/2 BPSK\_135\_0\_Top Side\_10mm\_Ch528000**

Communication System: NR; Frequency: 2640 MHz; Duty Cycle: 1:4

Medium: HSL\_2600\_200213 Medium parameters used:  $f = 2640$  MHz;  $\sigma = 2.009$  S/m;  $\epsilon_r = 38.685$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(4.49, 4.49, 4.49) @ 2640 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.921 W/kg

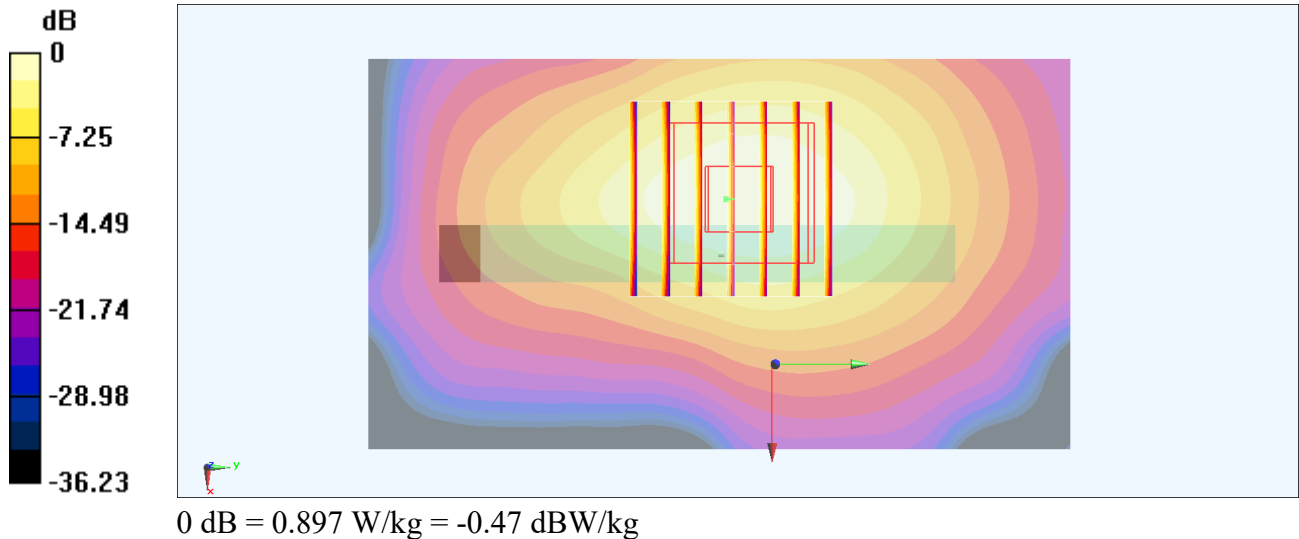
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.16 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.225 W/kg

**SAR(1 g) = 0.687 W/kg; SAR(10 g) = 0.326 W/kg**

Maximum value of SAR (measured) = 0.897 W/kg



**52\_N66\_20M\_PI/2 BPSK\_1\_1\_Bottom Side\_10mm\_Ch354000**

Communication System: NR; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_200207 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 39.529$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7346; ConvF(8.5, 8.5, 8.5) @ 1770 MHz; Calibrated: 2019/4/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2019/7/18
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

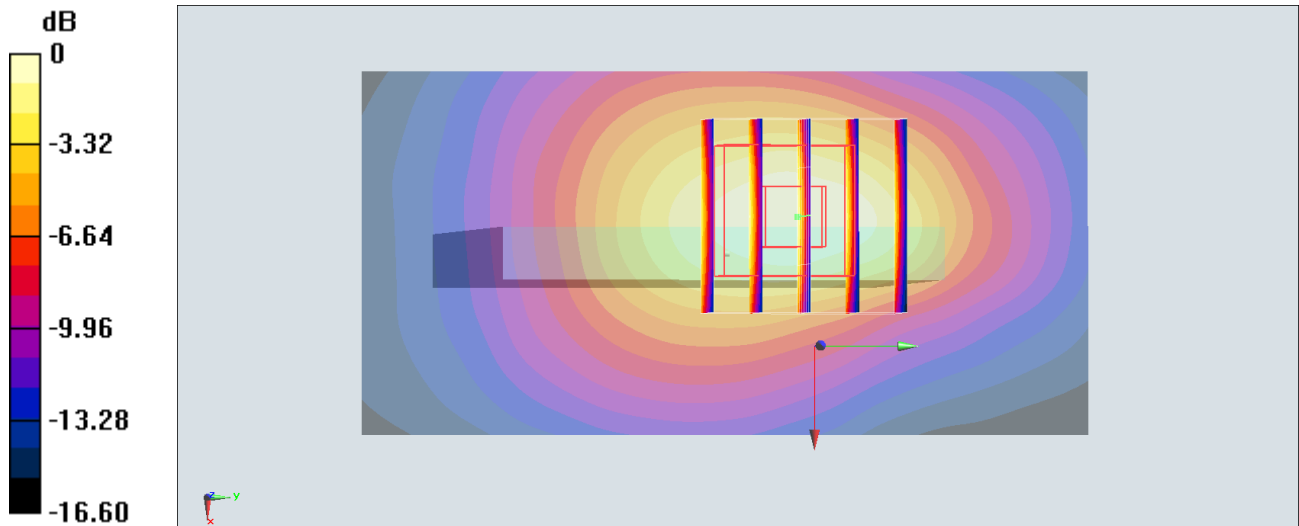
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.984 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.381 W/kg**

Maximum value of SAR (measured) = 0.964 W/kg



0 dB = 0.964 W/kg = -0.16 dBW/kg

**53\_N71\_20M\_PI/2 BPSK\_1\_1\_Left Side\_10mm\_Ch134600**

Communication System: NR; Frequency: 673 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_200208 Medium parameters used:  $f = 673$  MHz;  $\sigma = 0.82$  S/m;  $\epsilon_r = 42.382$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3184; ConvF(6.61, 6.61, 6.61) @ 673 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2019/4/30
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1683
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (41x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.251 W/kg

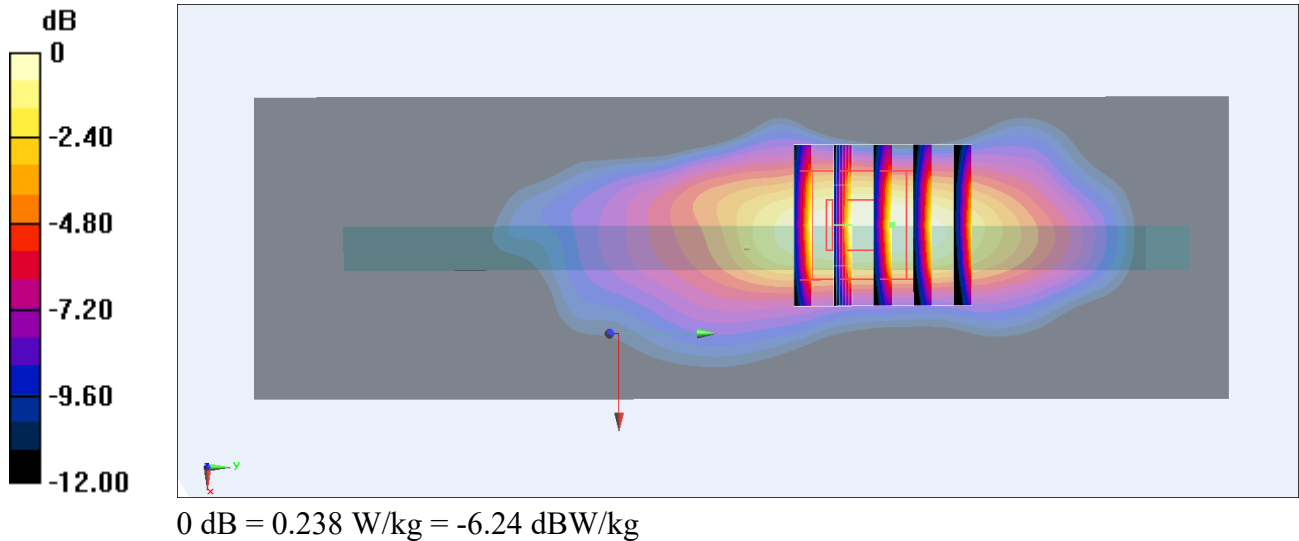
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.085 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.290 W/kg

**SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.112 W/kg**

Maximum value of SAR (measured) = 0.238 W/kg





**54\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_10mm\_Ch11**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: HSL\_2450\_200102 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.87$  S/m;  $\epsilon_r = 37.627$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.921 W/kg

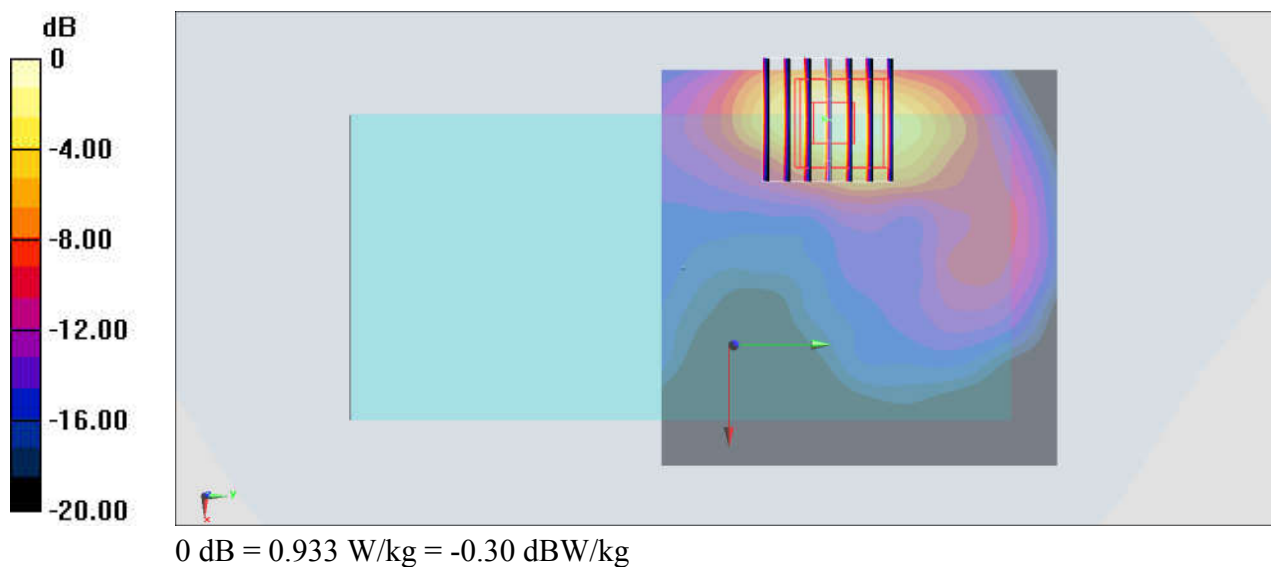
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.964 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.684 W/kg; SAR(10 g) = 0.287 W/kg**

Maximum value of SAR (measured) = 0.933 W/kg



**55\_WLAN5GHz\_802.11n-HT40 MCS0\_Back\_10mm\_Ch46**

Communication System: WIFI; Frequency: 5230 MHz; Duty Cycle: 1:1.02

Medium: HSL\_5250\_200114 Medium parameters used:  $f = 5230$  MHz;  $\sigma = 4.617$  S/m;  $\epsilon_r = 37.129$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(5.07, 5.07, 5.07); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.18 W/kg

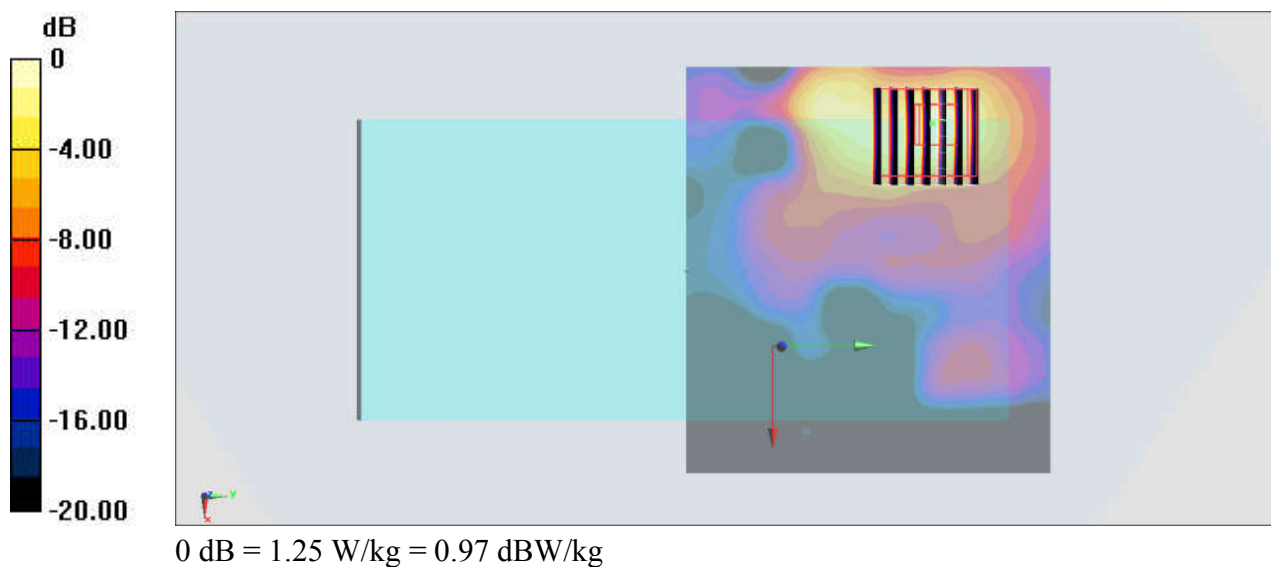
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.088 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.03 W/kg

**SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.175 W/kg**

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



**56\_WLAN5GHz\_802.11n-HT40 MCS0\_Back\_10mm\_Ch159**

Communication System: WIFI; Frequency: 5795 MHz; Duty Cycle: 1:1.02

Medium: HSL\_5750 Medium parameters used:  $f = 5795$  MHz;  $\sigma = 5.268$  S/m;  $\epsilon_r = 36.208$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(4.77, 4.77, 4.77); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.55 W/kg

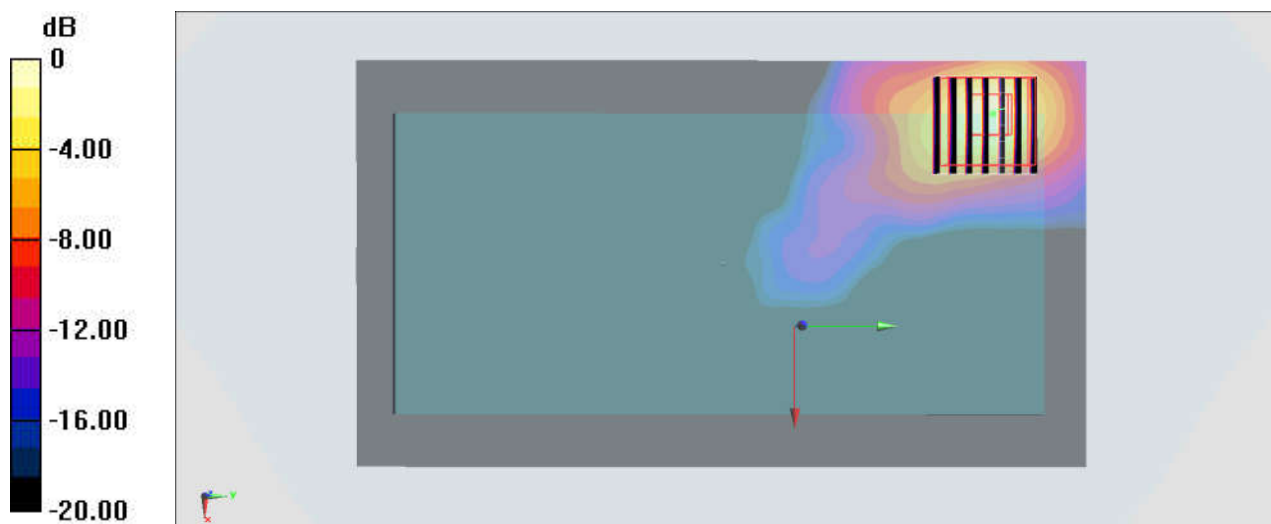
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.333 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.79 W/kg

**SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.200 W/kg**

Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

**57\_Bluetooth\_DH5 1Mbps\_Top Side\_10mm\_Ch39**

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.299

Medium: HSL\_2450\_200102 Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.847$  S/m;  $\epsilon_r = 37.702$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 2019.03.01;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn715; Calibrated: 2019.01.23
- Phantom: SAM (Front) with CRP v5.0; Type: QD000P40CD; Serial: TP:1795
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (41x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.260 W/kg

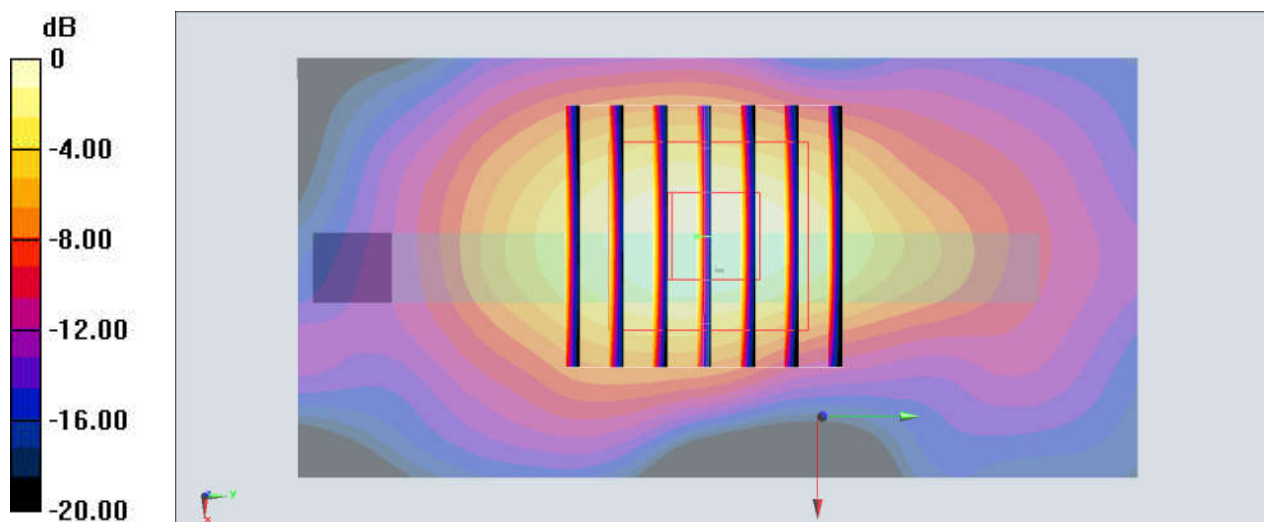
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 12.24 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.397 W/kg

**SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.245 W/kg



0 dB = 0.245 W/kg = -6.11 dBW/kg