

**01\_GSM850\_GPRS (1 Tx slot)\_Left Cheek\_Ch189**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: HSL\_850\_180618 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.896$  S/m;  $\epsilon_r = 41.447$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3976; ConvF(10.19, 10.19, 10.19) @ 836.4 MHz; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.406 W/kg

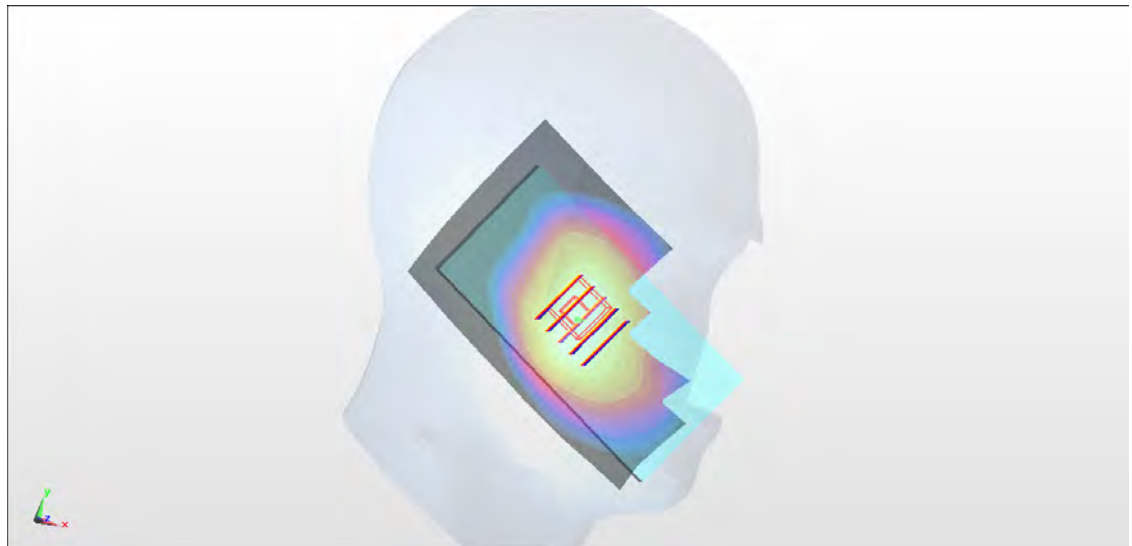
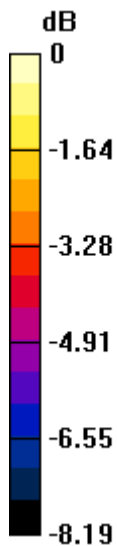
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.66 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.442 W/kg

**SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.264 W/kg**

Maximum value of SAR (measured) = 0.402 W/kg



0 dB = 0.402 W/kg = -3.96 dBW/kg

## 02\_GSM1900\_GPRS (1 Tx slot)\_Right Cheek\_Ch512

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_180615 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.366$  S/m;  $\epsilon_r = 39.614$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.27, 5.27, 5.27) @ 1850.2 MHz; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0685 W/kg

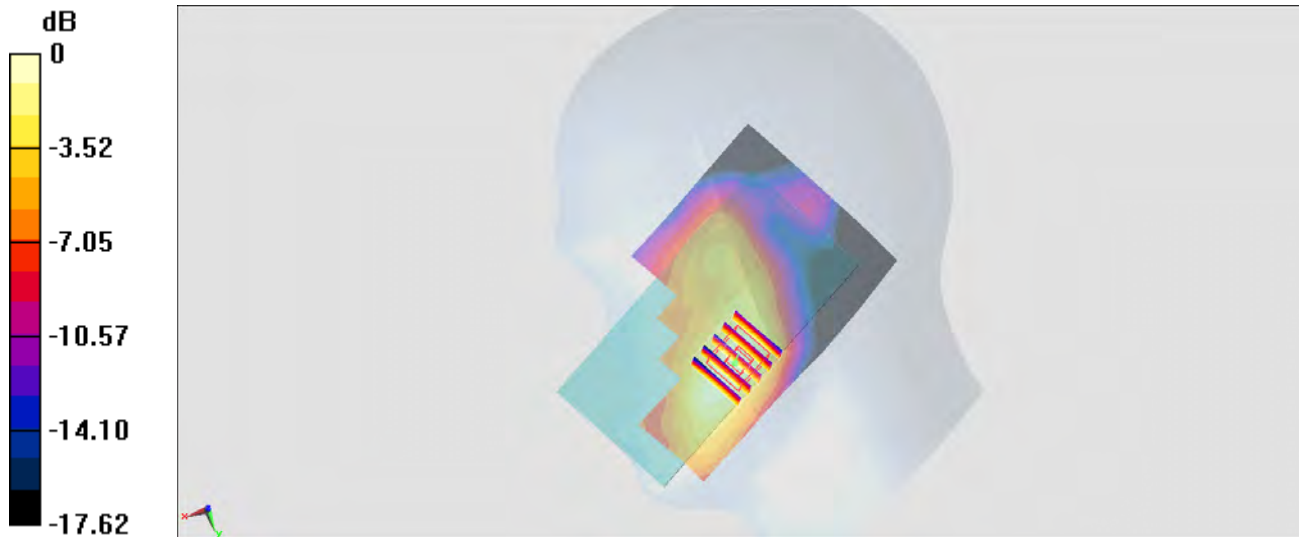
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.758 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.0960 W/kg

**SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.0695 W/kg



0 dB = 0.0695 W/kg = -11.58 dBW/kg

**03\_WCDMA II\_RMC12.2Kbps\_Right Cheek\_0mm\_Ch9262**

Communication System: UMTS ; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: HSL\_1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.377$  S/m;  $\epsilon_r = 41.314$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.41, 8.41, 8.41); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2018.5.28
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.177 W/kg

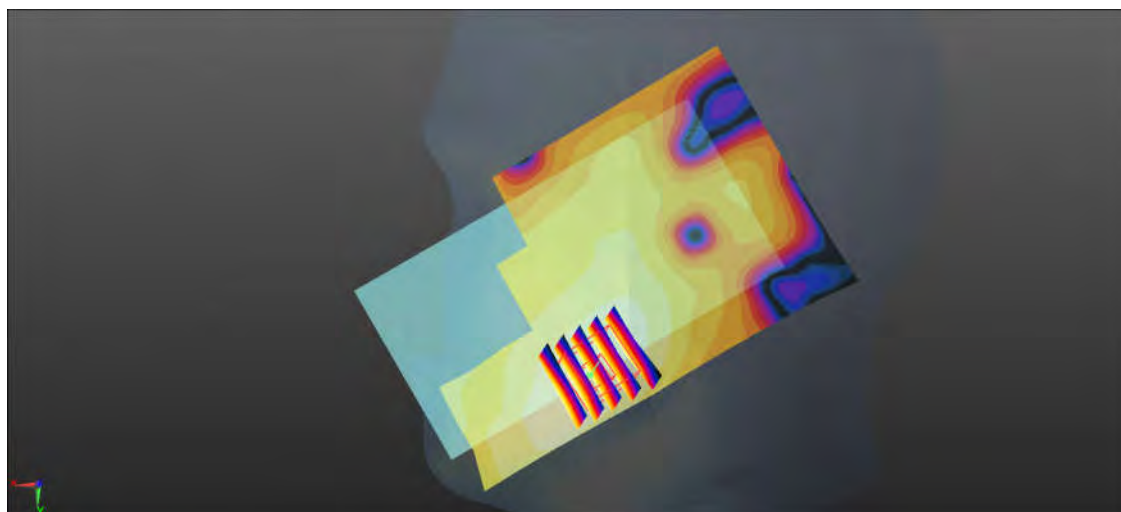
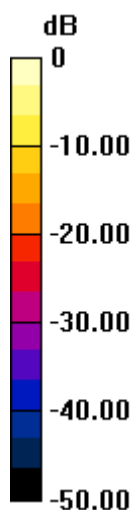
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.799 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.208 W/kg

**SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.076 W/kg**

Maximum value of SAR (measured) = 0.171 W/kg



0 dB = 0.177 W/kg = -7.52 dBW/kg

**04\_WCDMA IV\_RMC12.2Kbps\_Right Cheek\_0mm\_Ch1513**

Communication System: UMTS ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL\_1750 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.356$  S/m;  $\epsilon_r = 40.64$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.65, 8.65, 8.65); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.564 W/kg

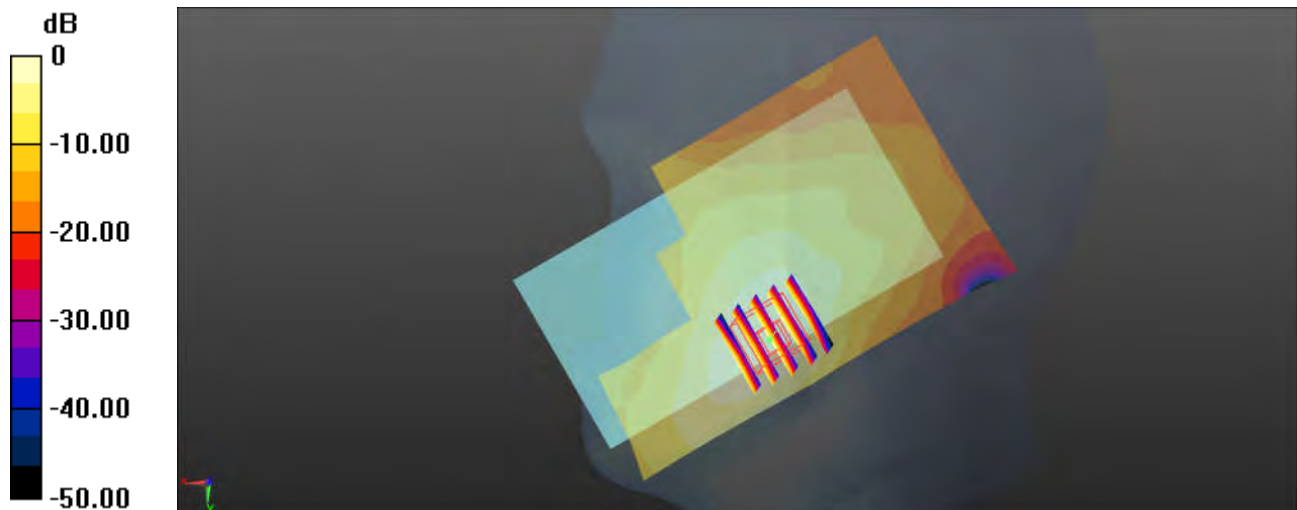
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.137 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.630 W/kg

**SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.243 W/kg**

Maximum value of SAR (measured) = 0.522 W/kg



0 dB = 0.564 W/kg = -2.49 dBW/kg

## 05\_WCDMA V\_RMC12.2Kbps\_Left Cheek\_0mm\_Ch4233

Communication System: UMTS ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL\_835 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.926$  S/m;  $\epsilon_r = 42.625$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.2, 10.2, 10.2); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2018.5.28
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.04 W/kg

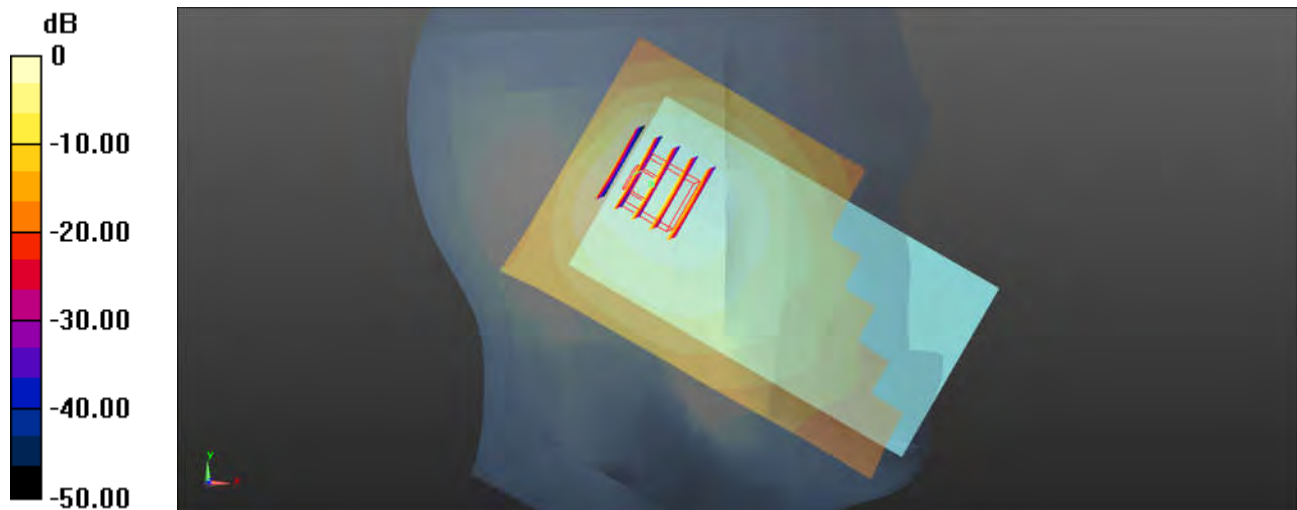
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 32.97 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.32 W/kg

**SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.577 W/kg**

Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

# **06\_LTE Band 2\_20M\_QPSK\_1RB\_49Offset\_Right Cheek\_0mm\_Ch18700**

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

Medium: HSL\_1900 Medium parameters used:  $f = 1860 \text{ MHz}$ ;  $\sigma = 1.386 \text{ S/m}$ ;  $\epsilon_r = 41.292$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.3 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.41, 8.41, 8.41); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2018.5.28
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch18700/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.176 \text{ W/kg}$

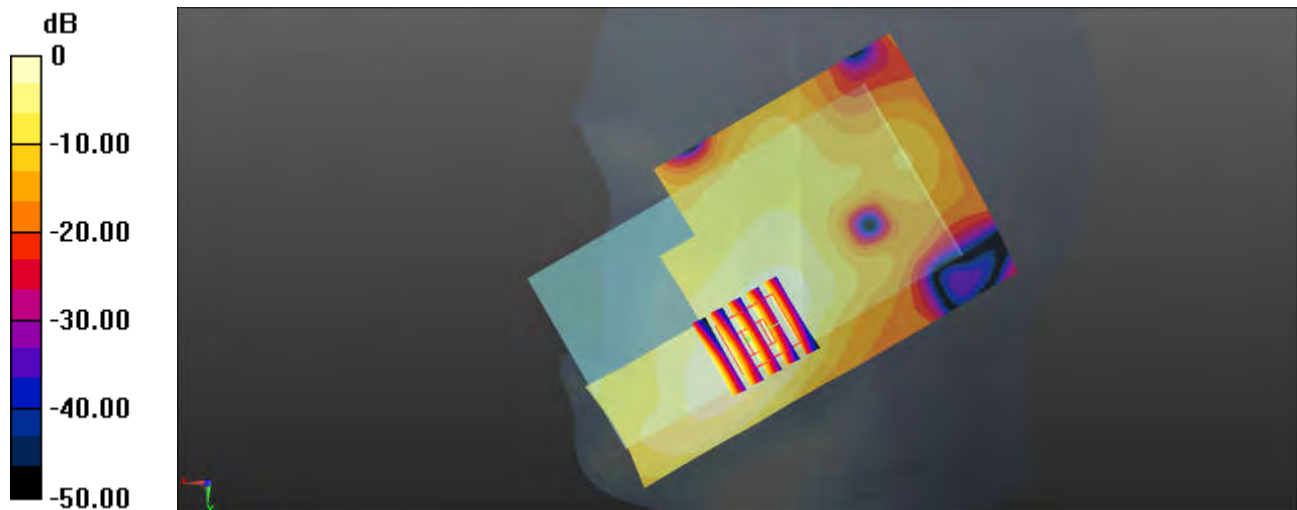
**Ch18700/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $3.017 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $0.195 \text{ W/kg}$

**SAR(1 g) =  $0.135 \text{ W/kg}$ ; SAR(10 g) =  $0.087 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.167 \text{ W/kg}$



$0 \text{ dB} = 0.176 \text{ W/kg} = -7.54 \text{ dBW/kg}$

**07\_LTE Band 5\_10M\_QPSK\_1RB\_25Offset\_Right Cheek\_0mm\_Ch20525**

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

Medium: HSL\_835 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.916$  S/m;  $\epsilon_r = 42.751$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(10.2, 10.2, 10.2); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2018.5.28
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

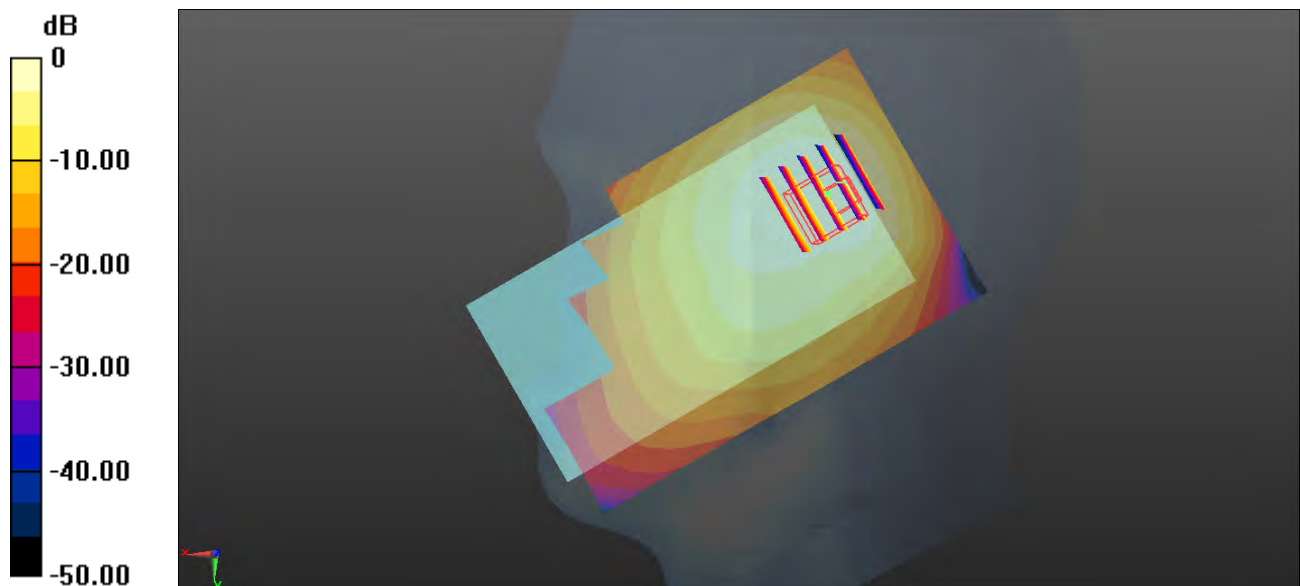
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 33.35 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.79 W/kg

**SAR(1 g) = 0.676 W/kg; SAR(10 g) = 0.413 W/kg**

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



0 dB = 0.932 W/kg = -0.31 dBW/kg



**08\_LTE Band 7\_20M\_QPSK\_1RB\_49Offset\_Left Cheek\_0mm\_Ch21350**

Communication System: LTE ; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL\_2600 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.973$  S/m;  $\epsilon_r = 38.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(7.31, 7.31, 7.31); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (81x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm Maximum value of SAR (interpolated) = 0.434 W/kg

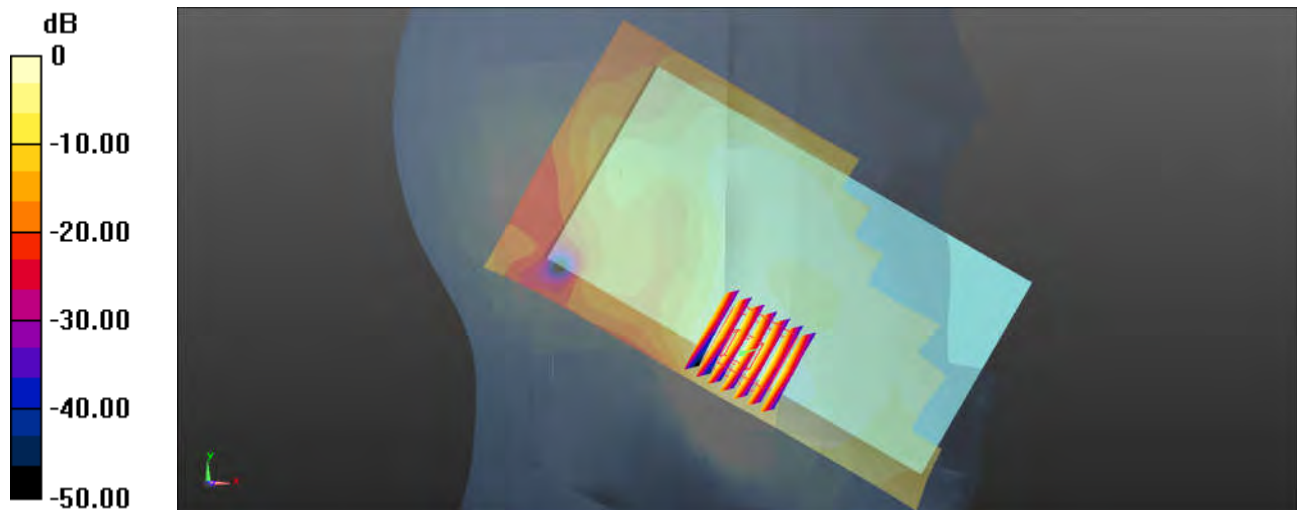
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.407 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.504 W/kg

**SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.150 W/kg**

Maximum value of SAR (measured) = 0.402 W/kg



0 dB = 0.434 W/kg = -3.63 dBW/kg



**09\_LTE Band 12\_10M\_QPSK\_1RB\_25Offset\_Right Cheek\_0mm\_Ch23095**

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

Medium: HSL\_750 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.864$  S/m;  $\epsilon_r = 43.016$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.47, 6.47, 6.47); Calibrated: 2017.9.25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.414 W/kg

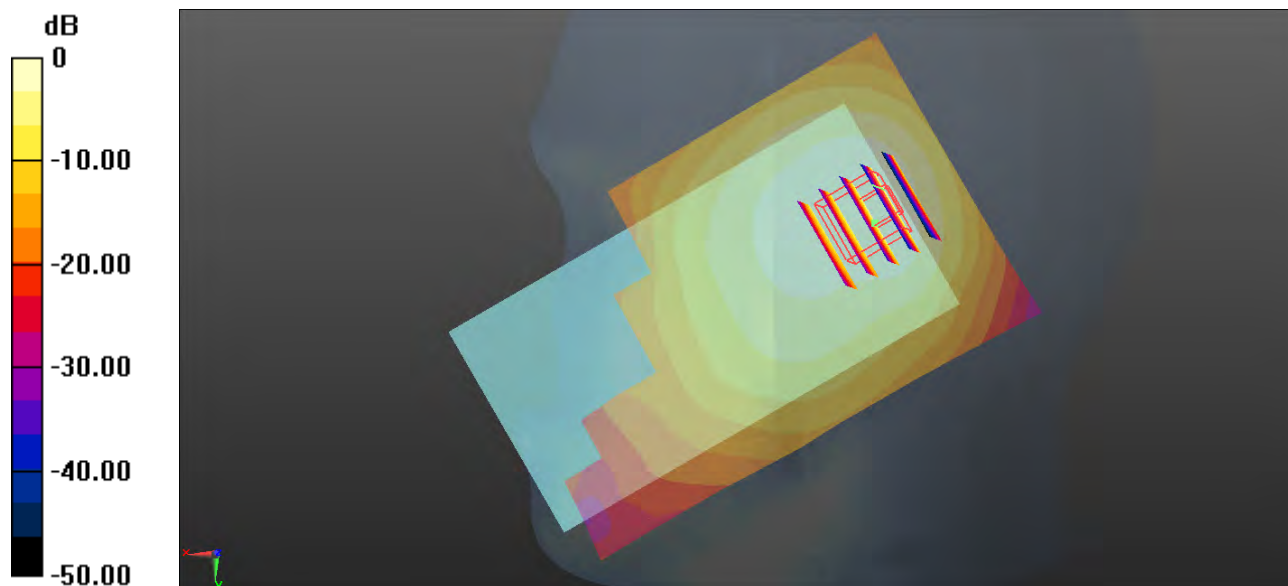
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.67 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.726 W/kg

**SAR(1 g) = 0.381 W/kg; SAR(10 g) = 0.246 W/kg**

Maximum value of SAR (measured) = 0.539 W/kg



0 dB = 0.414 W/kg = -3.83 dBW/kg

**10\_LTE Band 13\_10M\_QPSK\_1RB\_25Offset\_Right Cheek\_0mm\_Ch23230**

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

Medium: HSL\_750 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.930 \text{ S/m}$ ;  $\epsilon_r = 42.008$ ;  $\rho = 1000$

$\text{kg/m}^3$

Ambient Temperature :  $23.3^\circ\text{C}$ ; Liquid Temperature :  $22.8^\circ\text{C}$

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.47, 6.47, 6.47); Calibrated: 2017.9.25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.695 \text{ W/kg}$

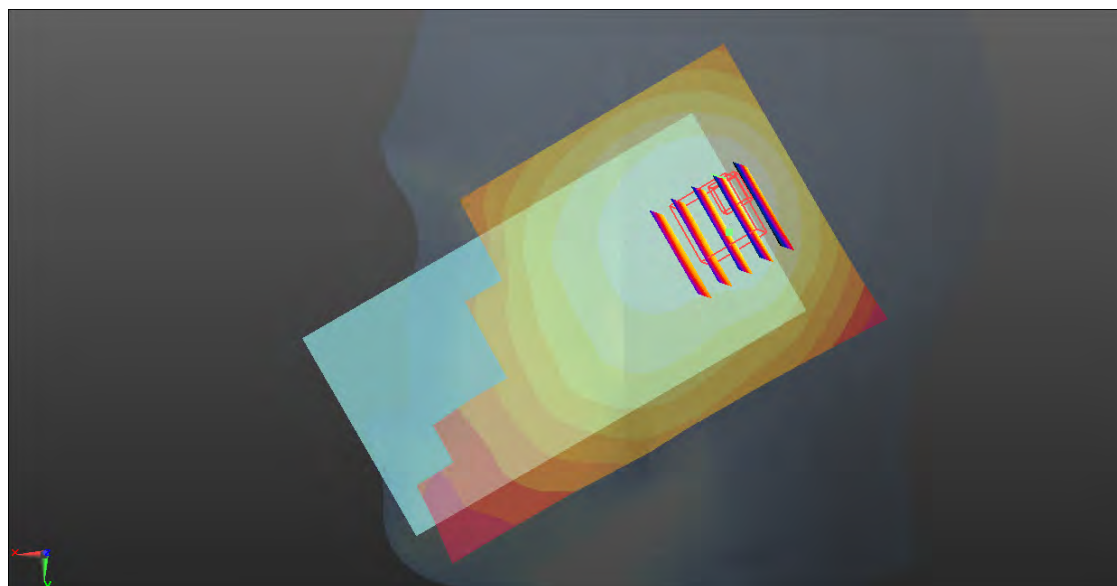
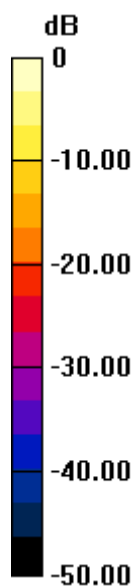
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $27.48 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $1.22 \text{ W/kg}$

**SAR(1 g) =  $0.581 \text{ W/kg}$ ; SAR(10 g) =  $0.356 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.883 \text{ W/kg}$



0 dB =  $0.695 \text{ W/kg}$  =  $-1.58 \text{ dBW/kg}$

**11\_LTE Band 66\_20M\_QPSK\_1RB\_49Offset\_Right****Cheek\_0mm\_Ch132572**

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

Medium: HSL\_1750 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 40.594$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(8.65, 8.65, 8.65); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm Maximum value of SAR (interpolated) = 0.468 W/kg

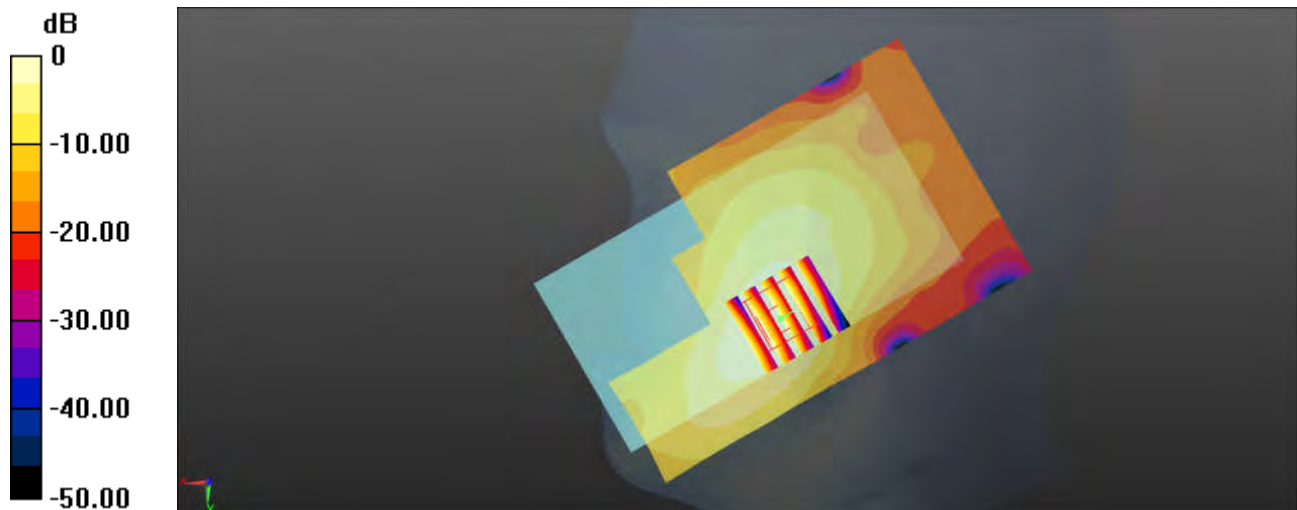
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.009 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.466 W/kg

**SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.224 W/kg**

Maximum value of SAR (measured) = 0.406 W/kg



0 dB = 0.468 W/kg = -3.30 dBW/kg

**12\_LTE Band 38\_20M\_QPSK\_1\_49\_Right Cheek\_Ch38150**

Communication System: LTE; Frequency: 2610 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_180616 Medium parameters used :  $f = 2610$  MHz;  $\sigma = 1.968$  S/m;  $\epsilon_r = 37.843$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.5, 4.5, 4.5) @ 2610 MHz; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.198 W/kg

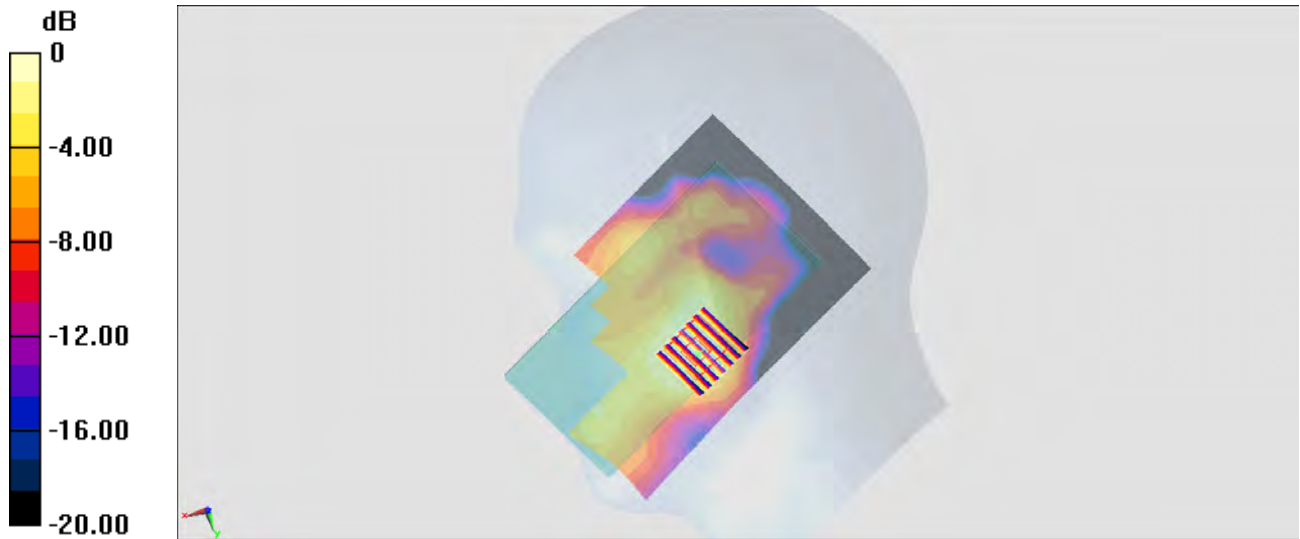
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.165 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.276 W/kg

**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.083 W/kg**

Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg = -7.35 dBW/kg

### 13\_WLAN2.4GHz\_802.11b 1Mbps\_Right Tilted\_Ch6

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL\_2450\_180612 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 1.8$  S/m;  $\epsilon_r = 40.581$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.75, 7.75, 7.75); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7437)

**Area Scan (81x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.589 W/kg

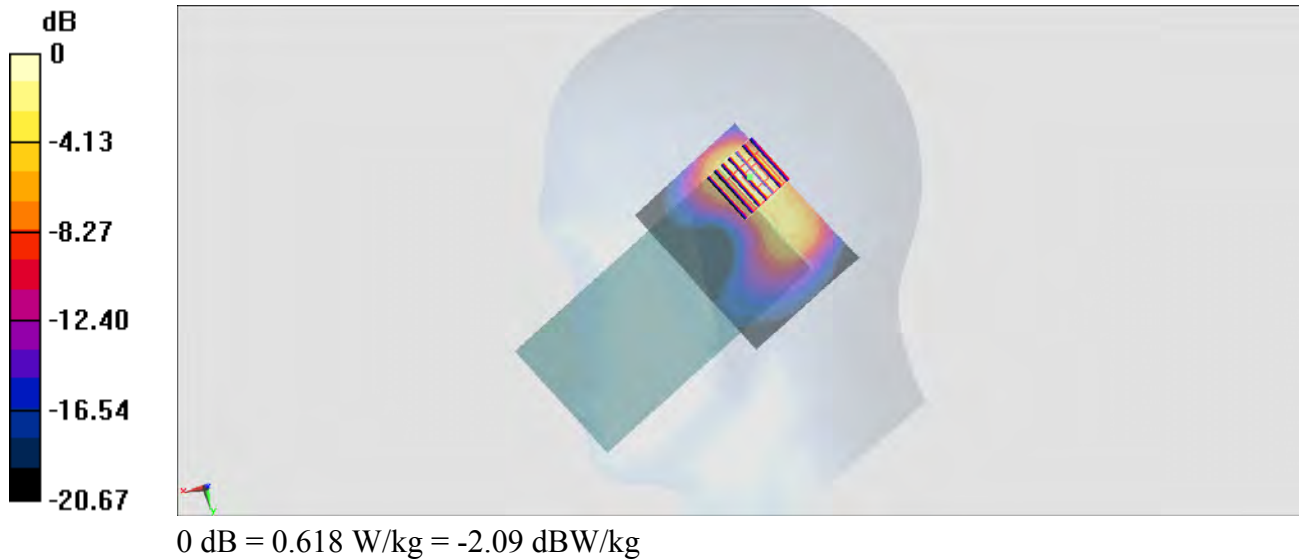
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.993 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.833 W/kg

**SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.144 W/kg**

Maximum value of SAR (measured) = 0.618 W/kg



**14\_WLAN5GHz\_802.11n-HT40 MCS0\_Right Cheek\_Ch62**

Communication System: 802.11n ; Frequency: 5310 MHz;Duty Cycle: 1:1.065

Medium: HSL\_5G\_180610 Medium parameters used:  $f = 5310$  MHz;  $\sigma = 4.608$  S/m;  $\epsilon_r = 36.705$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.56, 5.56, 5.56); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

**Area Scan (91x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.501 W/kg

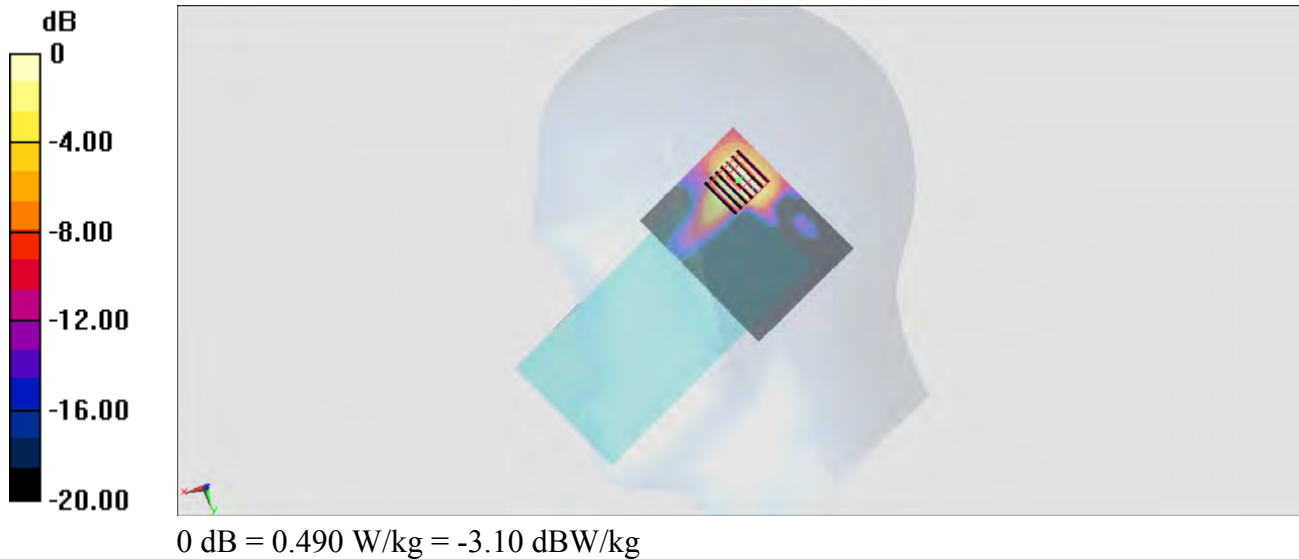
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.851 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.866 W/kg

**SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.066 W/kg**

Maximum value of SAR (measured) = 0.490 W/kg



**15\_WLAN5GHz\_802.11n-HT40 MCS0\_Right Cheek\_Ch134**

Communication System: 802.11n ; Frequency: 5670 MHz;Duty Cycle: 1:1.065

Medium: HSL\_5G\_180611 Medium parameters used:  $f = 5670$  MHz;  $\sigma = 5.006$  S/m;  $\epsilon_r = 36.362$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.97, 4.97, 4.97); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7437)

**Area Scan (91x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.266 W/kg

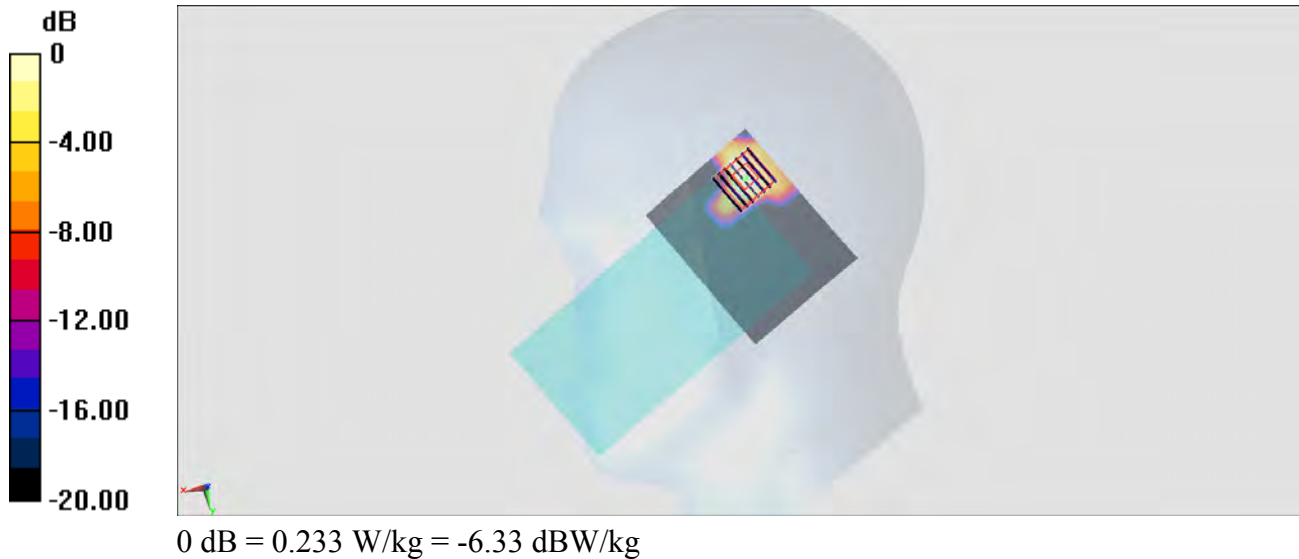
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.528 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.368 W/kg

**SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.233 W/kg





**16\_WLAN5GHz\_802.11n-HT40 MCS0\_Right Cheek\_Ch151**

Communication System: 802.11n ; Frequency: 5755 MHz; Duty Cycle: 1:1.065

Medium: HSL\_5G\_180610 Medium parameters used :  $f = 5755$  MHz;  $\sigma = 5.07$  S/m;  $\epsilon_r = 36.084$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.04, 5.04, 5.04); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7437)

**Area Scan (91x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.193 W/kg

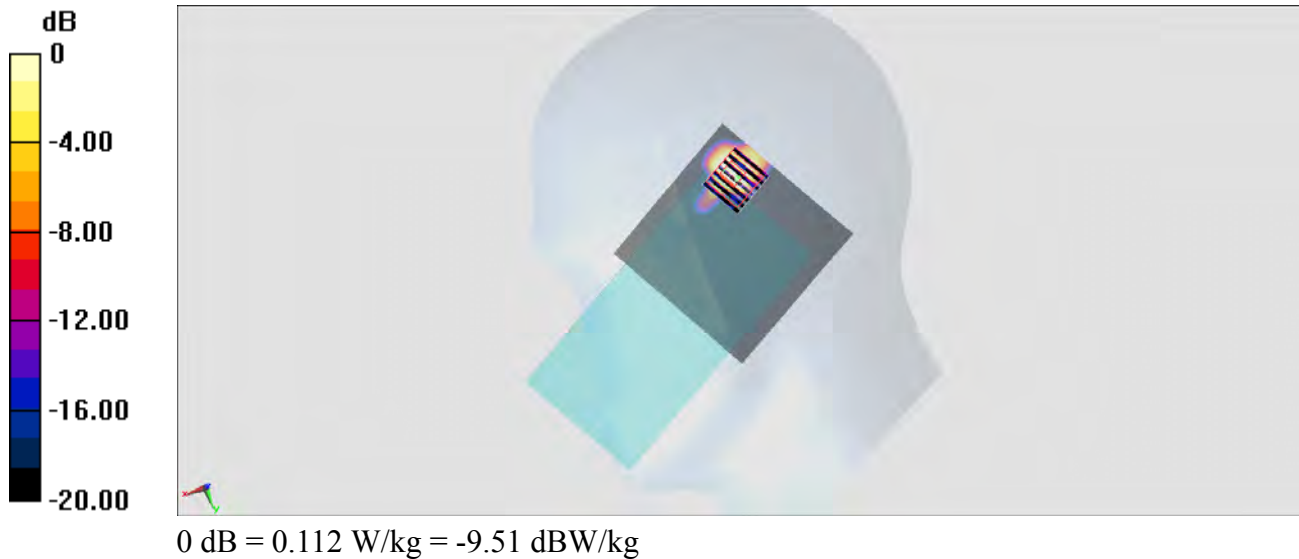
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.630 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.187 W/kg

**SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.011 W/kg**

Maximum value of SAR (measured) = 0.112 W/kg



**17\_GSM850\_GPRS (1 Tx slot)\_Left Side\_10mm\_Ch189**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: MSL\_850\_180618 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.987$  S/m;  $\epsilon_r = 55.441$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3976; ConvF(10.08, 10.08, 10.08) @ 836.4 MHz; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (41x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.614 W/kg

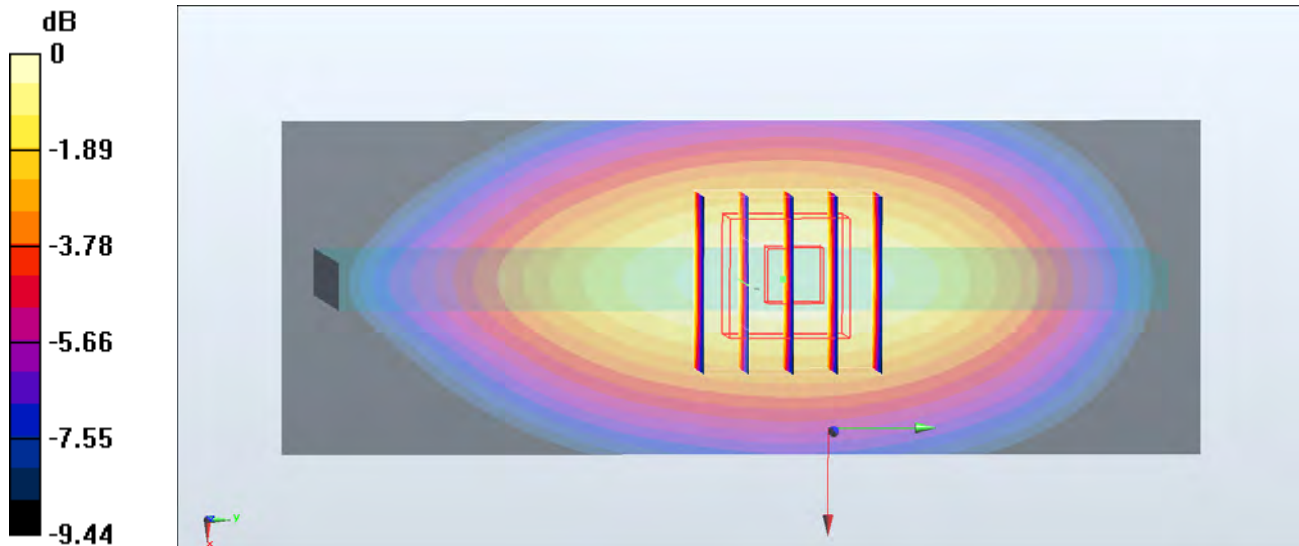
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.21 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.707 W/kg

**SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.334 W/kg**

Maximum value of SAR (measured) = 0.624 W/kg



0 dB = 0.624 W/kg = -2.05 dBW/kg

## 18\_GSM1900\_GPRS (3 Tx slots)\_Bottom Side\_10mm\_Ch810

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77

Medium: MSL\_1900\_180615 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.557$  S/m;  $\epsilon_r = 53.515$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) @ 1909.8 MHz; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 1.16 W/kg

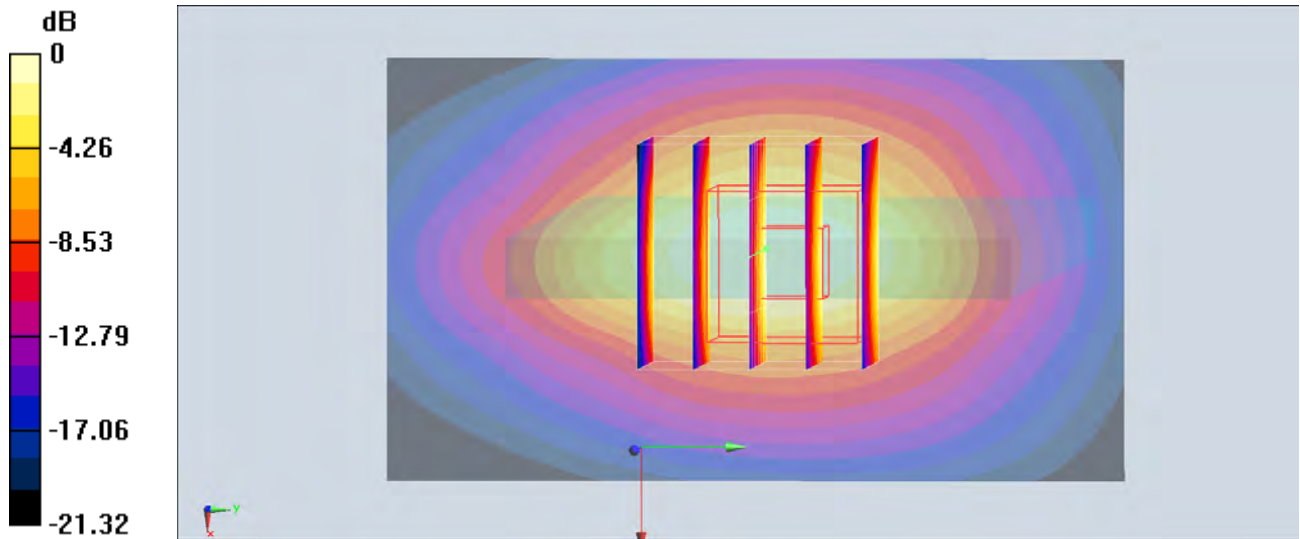
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.90 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.51 W/kg

**SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.435 W/kg**

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



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

**19\_WCDMA II\_RMC12.2Kbps\_Bottom Side\_10mm\_Ch9262**

Communication System: UMTS ; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.653$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.03, 8.03, 8.03); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (31x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.56 W/kg

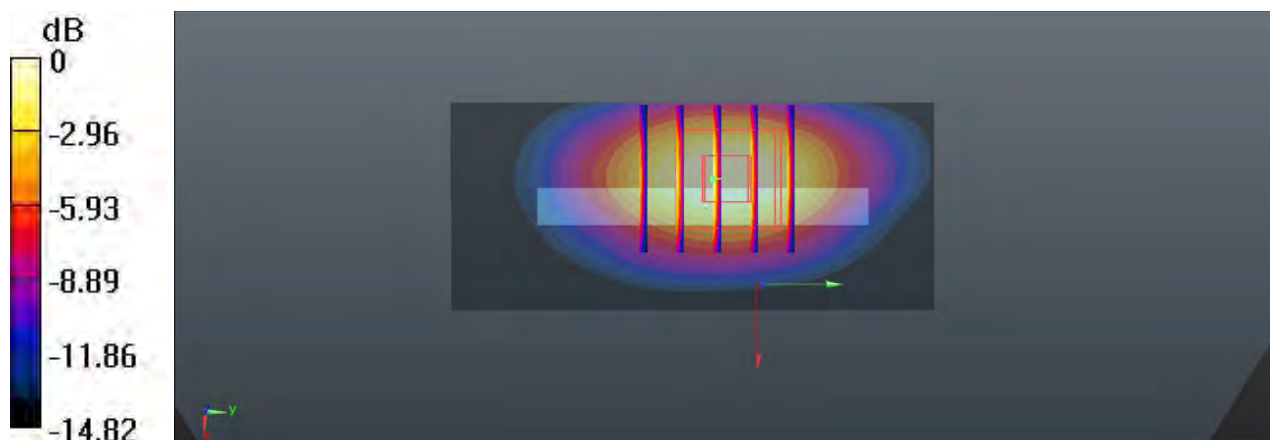
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 28.16 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.84 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.664 W/kg**

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



**20\_WCDMA IV\_RMC12.2Kbps\_Bottom Side\_10mm\_Ch1513**

Communication System: UMTS ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.493$  S/m;  $\epsilon_r = 54.732$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.65, 8.65, 8.65); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- 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) = 1.92 W/kg

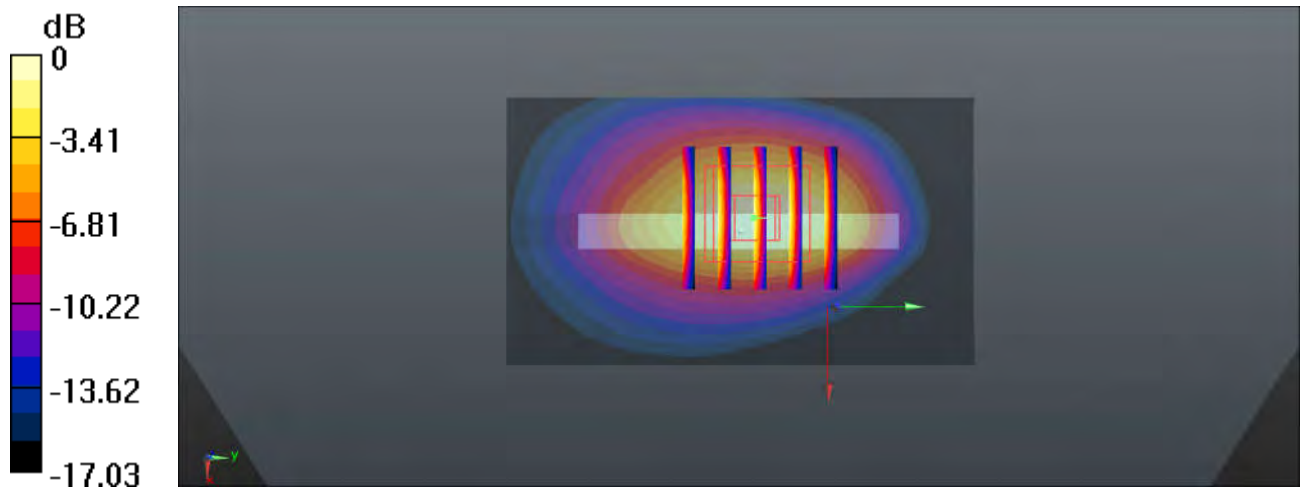
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.83 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.25 W/kg

**SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.718 W/kg**

Maximum value of SAR (measured) = 1.85 W/kg



0 dB = 1.85 W/kg = 2.67 dBW/kg

**21\_WCDMA V\_RMC12.2Kbps\_Left Side\_10mm\_Ch4132**

Communication System: UMTS ; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 56.577$ ;  $\rho = 1000$

kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.19, 6.19, 6.19); Calibrated: 2017.9.25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM2; Type: SAM ; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Area Scan (31x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.623 W/kg

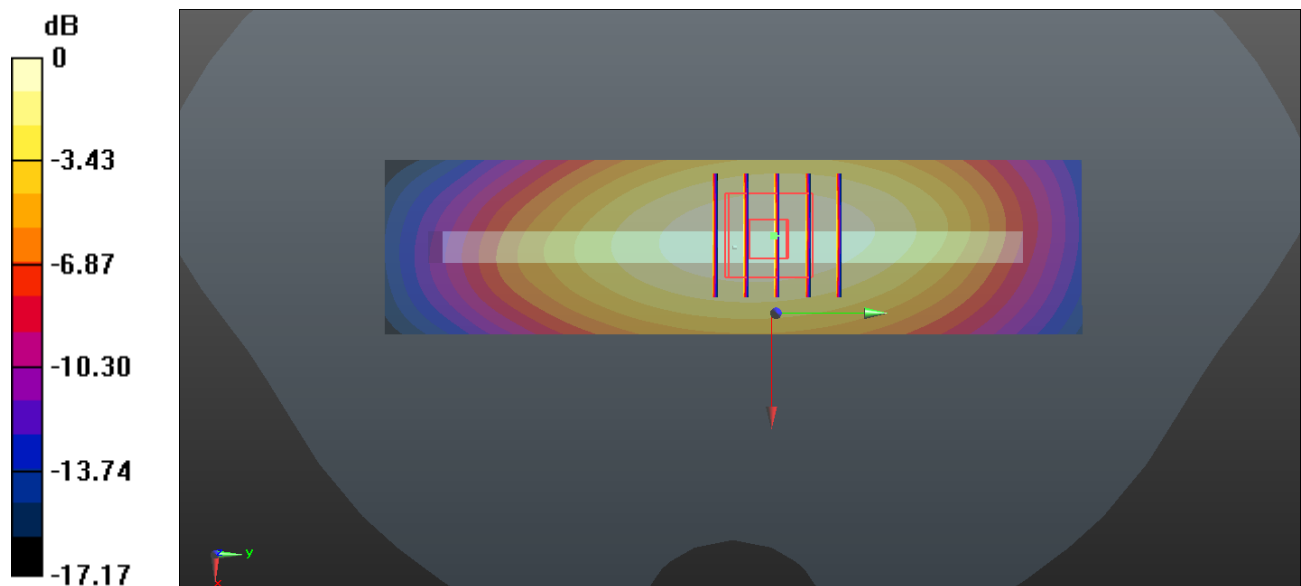
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 26.56 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.782 W/kg

**SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.333 W/kg**

Maximum value of SAR (measured) = 0.631 W/kg



0 dB = 0.623 W/kg = -2.06 dBW/kg

**22\_LTE Band 2\_20M\_QPSK\_50RB\_0Offset\_Bottom Side\_10mm\_Ch18700**

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

Medium: MSL\_1900 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.492$  S/m;  $\epsilon_r = 53.636$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.03, 8.03, 8.03); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (31x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm Maximum value of SAR (interpolated) = 1.68 W/kg

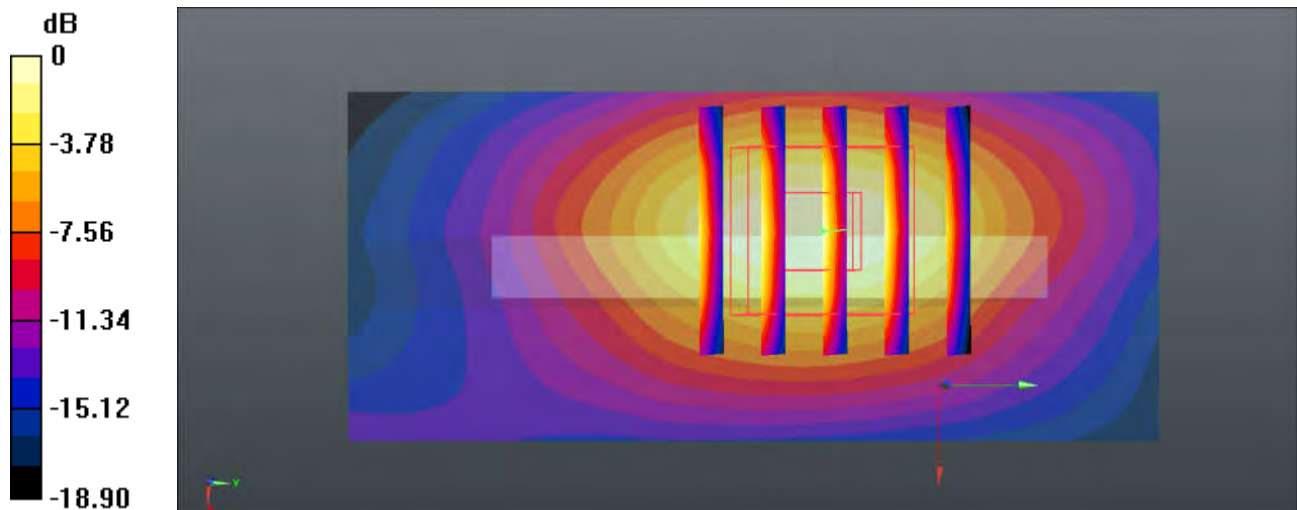
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 30.70 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.94 W/kg

**SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.706 W/kg**

Maximum value of SAR (measured) = 1.67 W/kg



0 dB = 1.68 W/kg = 2.25 dBW/kg



**23\_LTE Band 5\_10M\_QPSK\_1RB\_25Offset\_Left Side\_10mm\_Ch20525**

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

Medium: MSL\_835 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.986$  S/m;  $\epsilon_r = 56.499$ ;  $\rho = 1000$

kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.19, 6.19, 6.19); Calibrated: 2017.9.25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

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

Maximum value of SAR (interpolated) = 0.440 W/kg

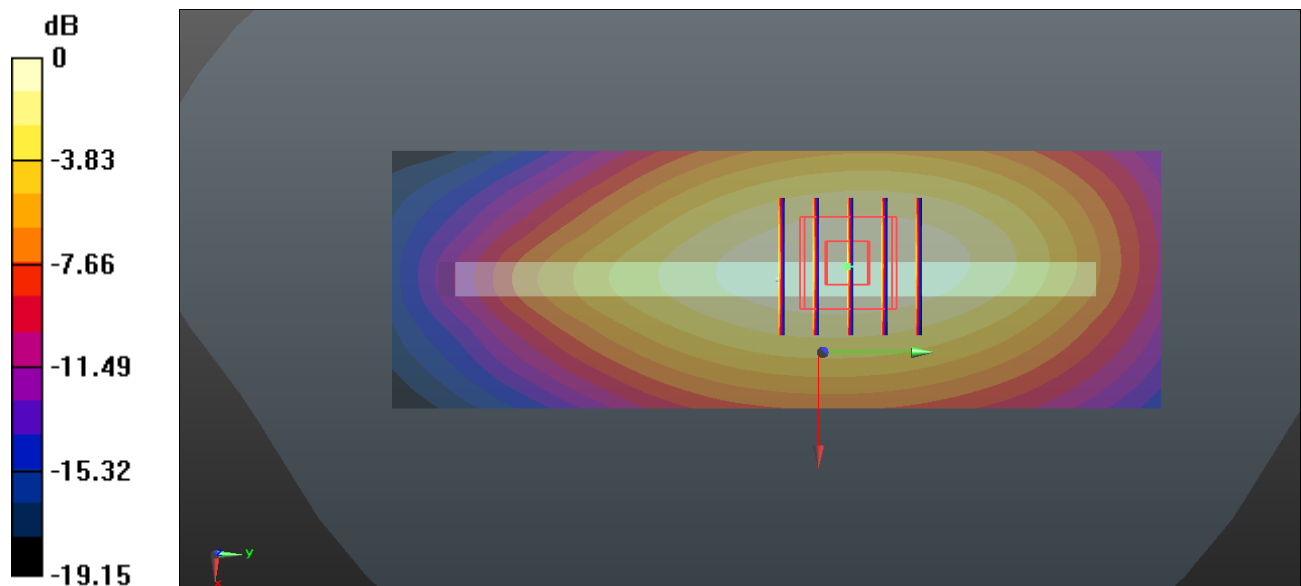
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.54 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.557 W/kg

**SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.234 W/kg**

Maximum value of SAR (measured) = 0.447 W/kg



0 dB = 0.440 W/kg = -3.57 dBW/kg

**24\_LTE Band 7\_20M\_QPSK\_1RB\_49Offset\_Back\_10mm\_Ch20850**

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

Medium: MSL\_2600 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.105$  S/m;  $\epsilon_r = 52.793$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(6.92, 6.92, 6.92); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (81x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm Maximum value of SAR (interpolated) = 1.35 W/kg

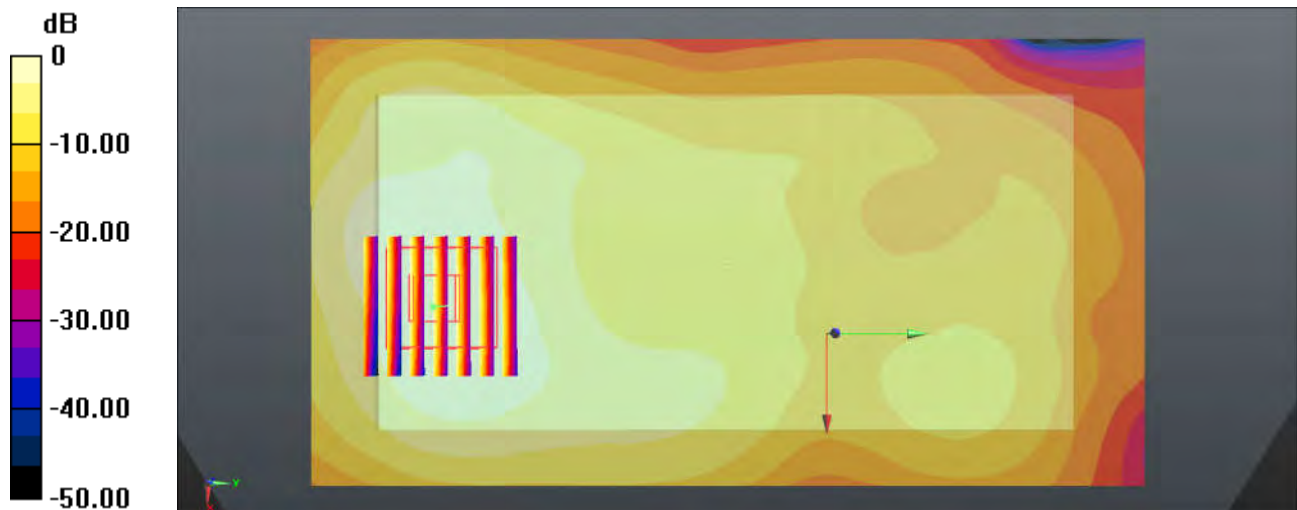
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 9.167 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.627 W/kg**

Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

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

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

Medium: MSL\_750 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.923$  S/m;  $\epsilon_r = 56.587$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.43, 6.43, 6.43); Calibrated: 2017.9.25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM2; Type: SAM; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Area Scan (31x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.366 W/kg

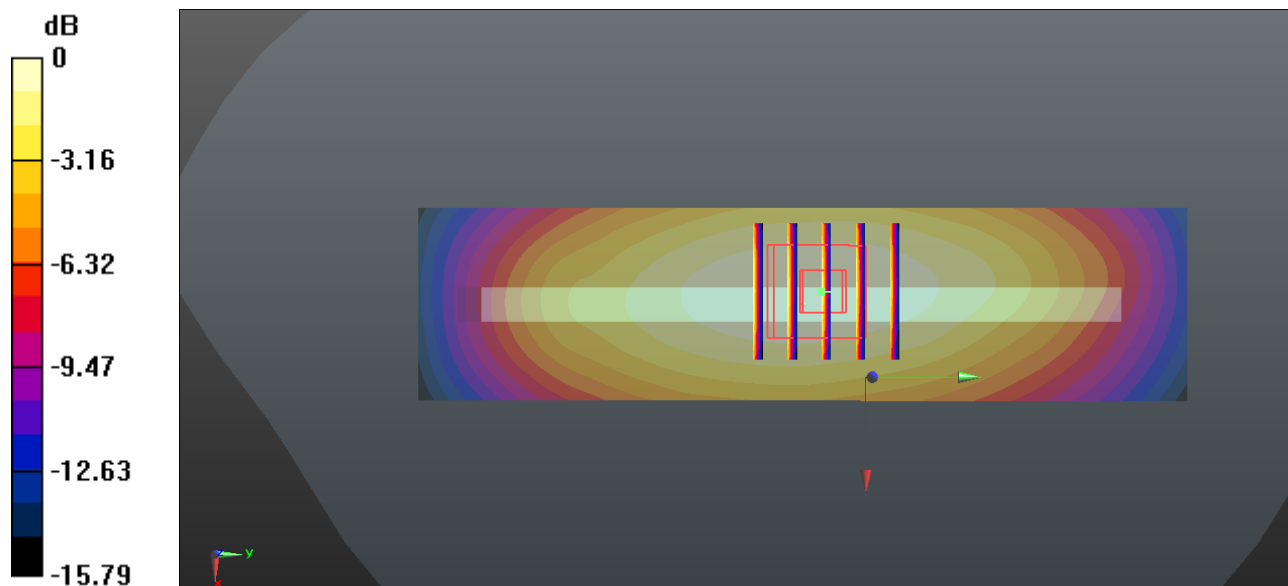
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.14 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.471 W/kg

**SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.209 W/kg**

Maximum value of SAR (measured) = 0.385 W/kg



0 dB = 0.366 W/kg = -4.37 dBW/kg

**26\_LTE Band 13\_10M\_QPSK\_1RB\_25Offset\_Left Side\_10mm\_Ch23230**

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

Medium: MSL\_750 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.999 \text{ S/m}$ ;  $\epsilon_r = 55.861$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.3 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.43, 6.43, 6.43); Calibrated: 2017.9.25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM2; Type: SAM ; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

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

Maximum value of SAR (interpolated) =  $0.629 \text{ W/kg}$

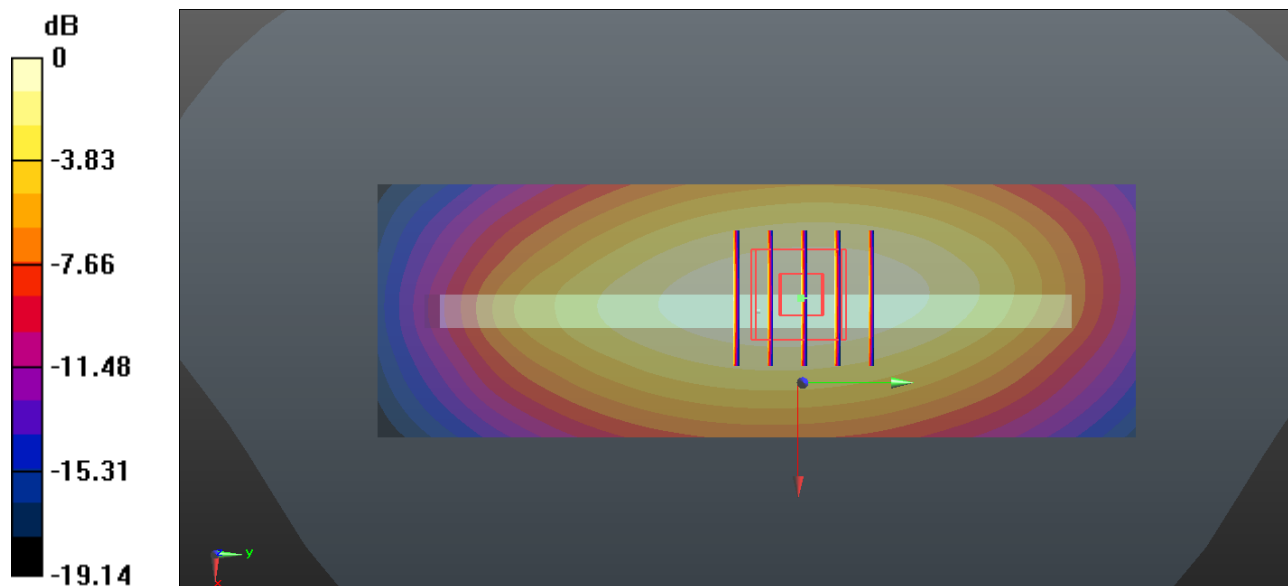
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $26.19 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.778 \text{ W/kg}$

**SAR(1 g) =  $0.498 \text{ W/kg}$ ; SAR(10 g) =  $0.339 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.633 \text{ W/kg}$



0 dB =  $0.629 \text{ W/kg}$  =  $-2.01 \text{ dBW/kg}$

**27\_LTE Band 66\_20M\_QPSK\_100\_0\_Bottom Side\_10mm\_Ch132572**

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

Medium: MSL\_1750\_180619 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.506$  S/m;  $\epsilon_r = 54.743$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) @ 1770 MHz; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 1.90 W/kg

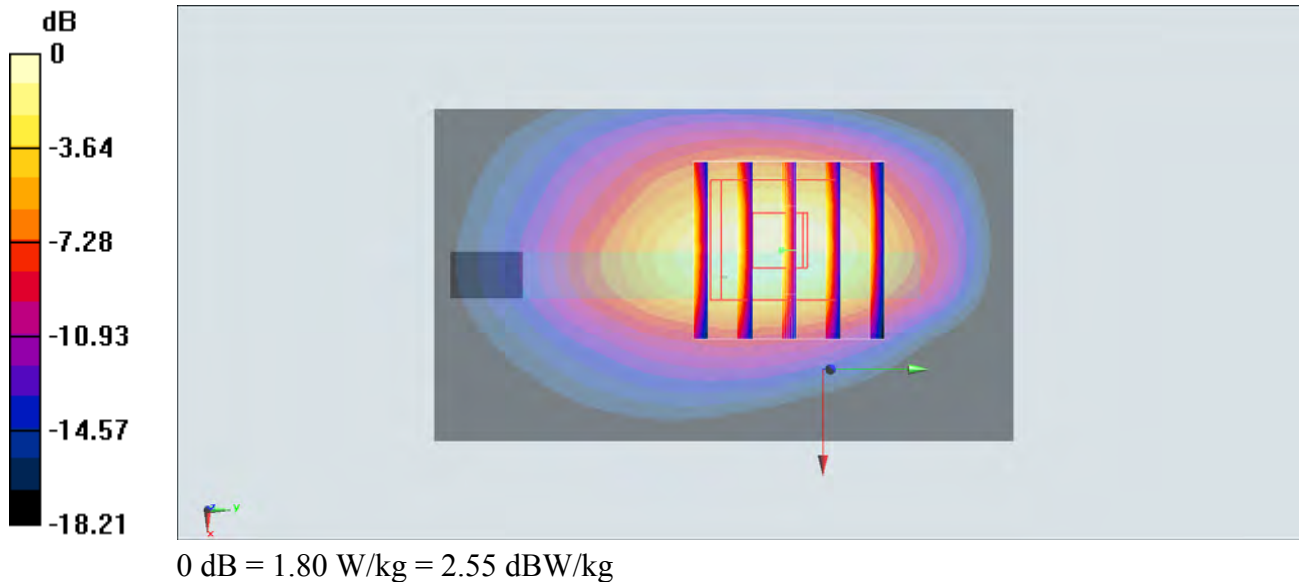
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.04 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.55 W/kg

**SAR(1 g) = 1.47 W/kg; SAR(10 g) = 0.777 W/kg**

Maximum value of SAR (measured) = 1.80 W/kg



**28\_LTE Band 38\_20M\_QPSK\_1\_49\_Back\_10mm\_Ch38150**

Communication System: LTE; Frequency: 2610 MHz; Duty Cycle: 1:1.59

Medium: MSL\_2600\_180619 Medium parameters used :  $f = 2610$  MHz;  $\sigma = 2.203$  S/m;  $\epsilon_r = 50.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/5/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7437)

**Area Scan (91x61x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.618 W/kg

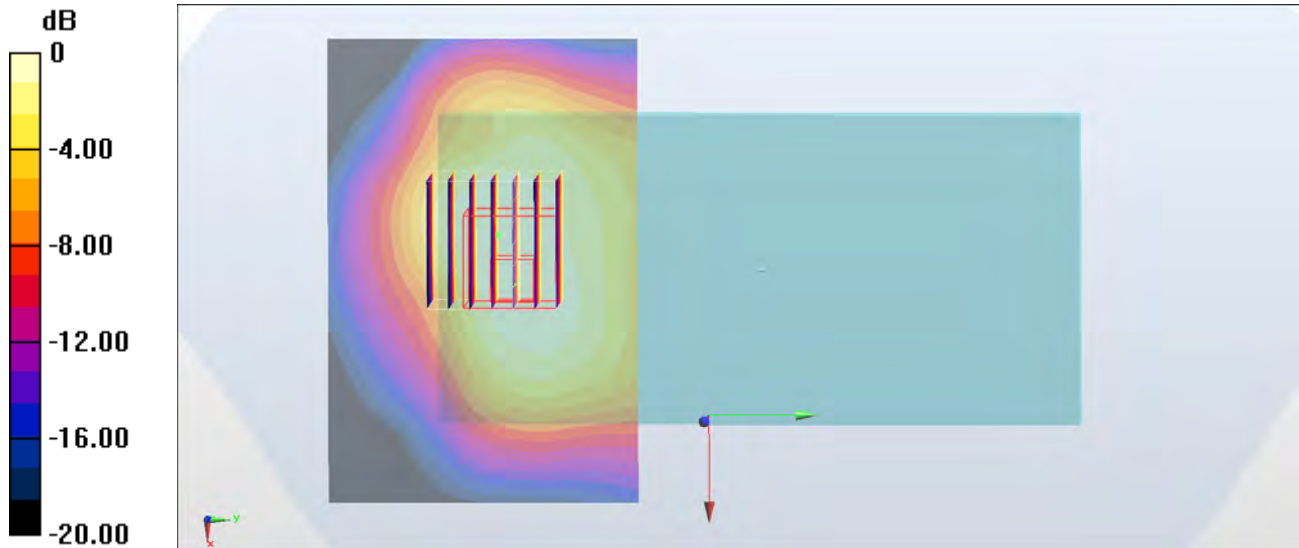
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.43 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.745 W/kg

**SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.213 W/kg**

Maximum value of SAR (measured) = 0.602 W/kg



0 dB = 0.602 W/kg = -2.20 dBW/kg

## 29\_WLAN2.4G\_802.11b 1Mbps\_Top side\_10mm\_Ch6

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL2450\_180620 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 1.965$  S/m;  $\epsilon_r = 52.388$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.4, 4.4, 4.4) @ 2437 MHz; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.142 W/kg

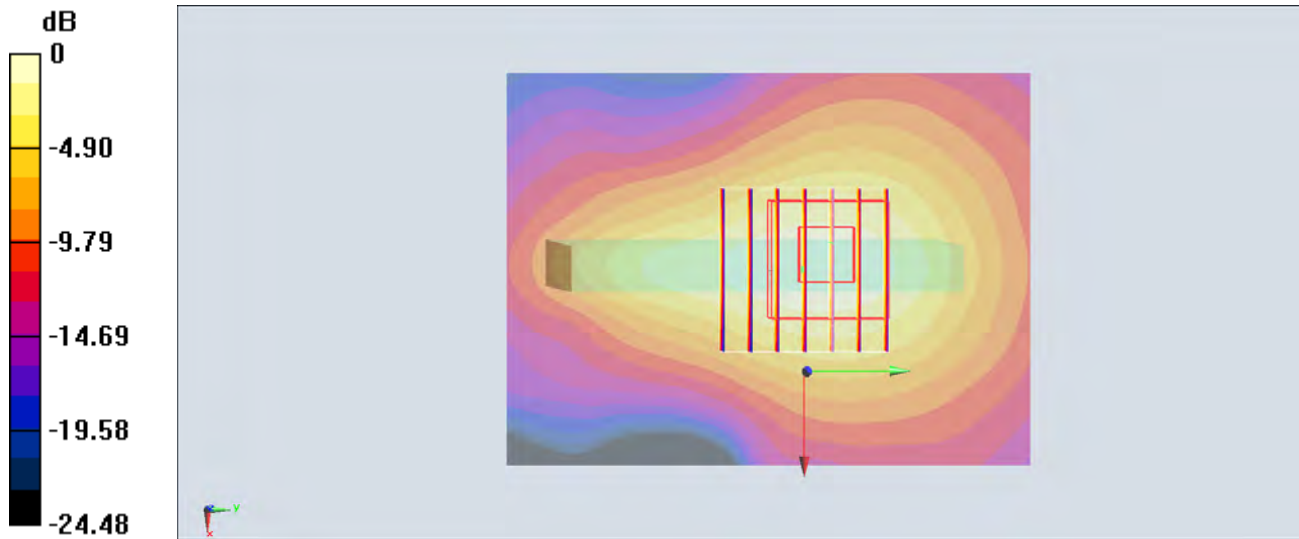
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.369 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.229 W/kg

**SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.061 W/kg**

Maximum value of SAR (measured) = 0.148 W/kg



0 dB = 0.148 W/kg = -8.30 dBW/kg



**30\_WLAN5GHz\_802.11n-HT40 MCS0\_Top Side\_10mm\_Ch38**

Communication System: 802.11n ; Frequency: 5190 MHz; Duty Cycle: 1:1.065

Medium: MSL\_5G\_180620 Medium parameters used:  $f = 5190$  MHz;  $\sigma = 5.417$  S/m;  $\epsilon_r = 46.987$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.92, 4.92, 4.92) @ 5190 MHz; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0246 W/kg

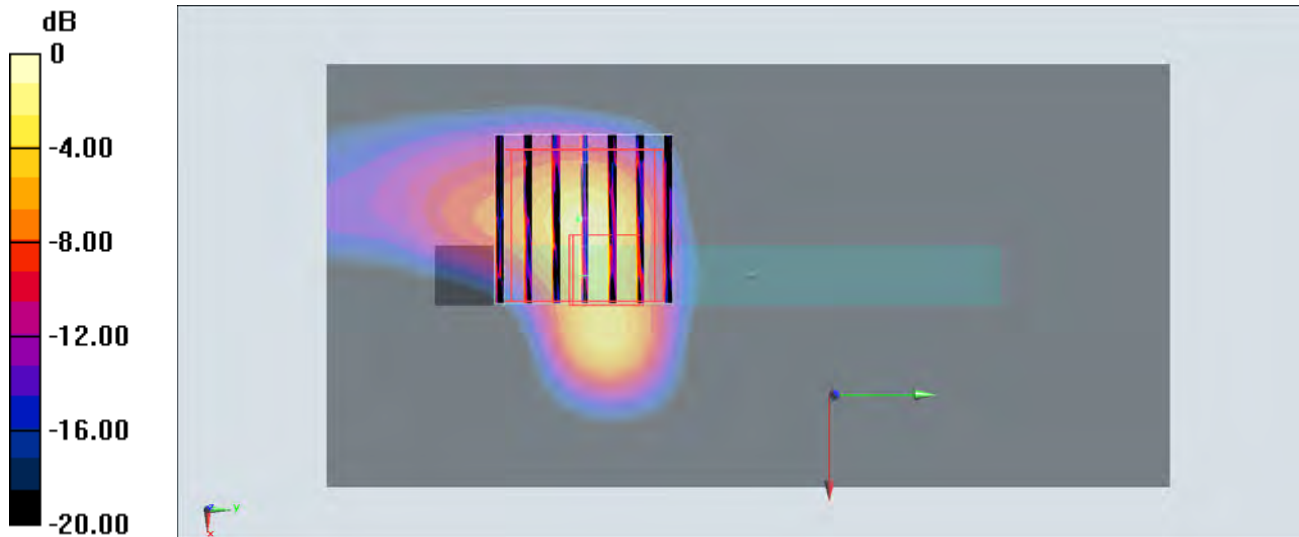
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.4980 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.145 W/kg

**SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00308 W/kg**

Maximum value of SAR (measured) = 0.0367 W/kg



0 dB = 0.0367 W/kg = -14.35 dBW/kg

**31\_WLAN5GHz\_802.11n-HT40 MCS0\_Top Side\_10mm\_Ch151**

Communication System: 802.11n ; Frequency: 5755 MHz;Duty Cycle: 1:1.065

Medium: MSL\_5G\_180620 Medium parameters used :  $f = 5755$  MHz;  $\sigma = 6.14$  S/m;  $\epsilon_r = 45.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.46, 4.46, 4.46) @ 5755 MHz; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0108 W/kg

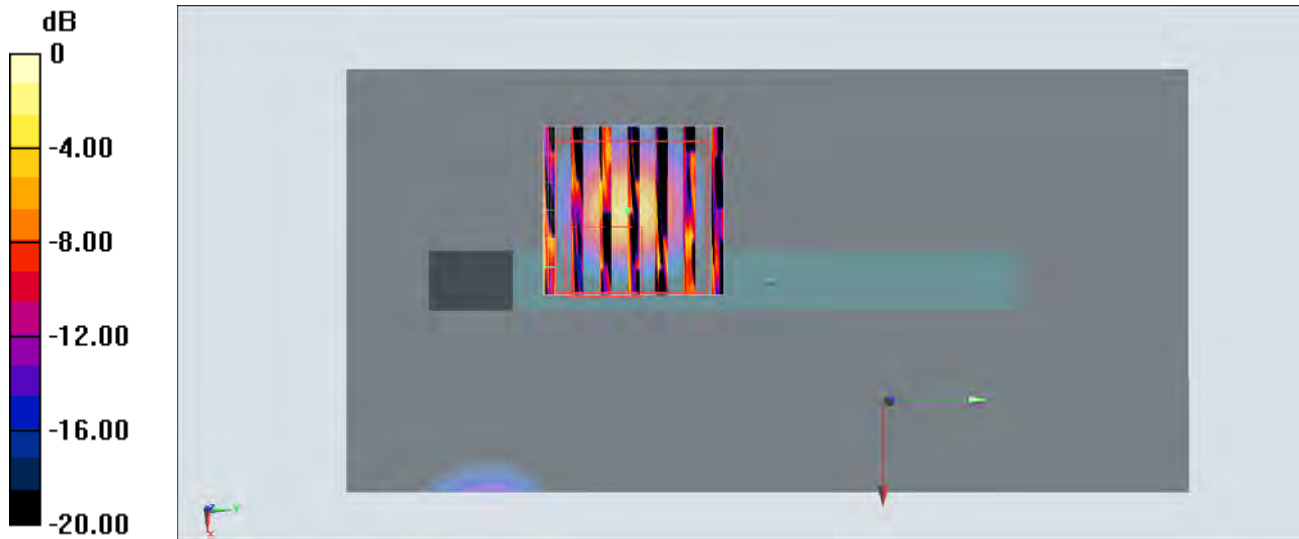
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.5630 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.125 W/kg

**SAR(1 g) = 0.00584 W/kg; SAR(10 g) = 0.00101 W/kg**

Maximum value of SAR (measured) = 0.0228 W/kg



0 dB = 0.0228 W/kg = -16.42 dBW/kg

## 32\_GSM850\_GPRS (1 Tx slot)\_Back\_15mm\_Ch189

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: MSL\_850\_180618 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.987$  S/m;  $\epsilon_r = 55.441$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3976; ConvF(10.08, 10.08, 10.08) @ 836.4 MHz; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1796
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.475 W/kg

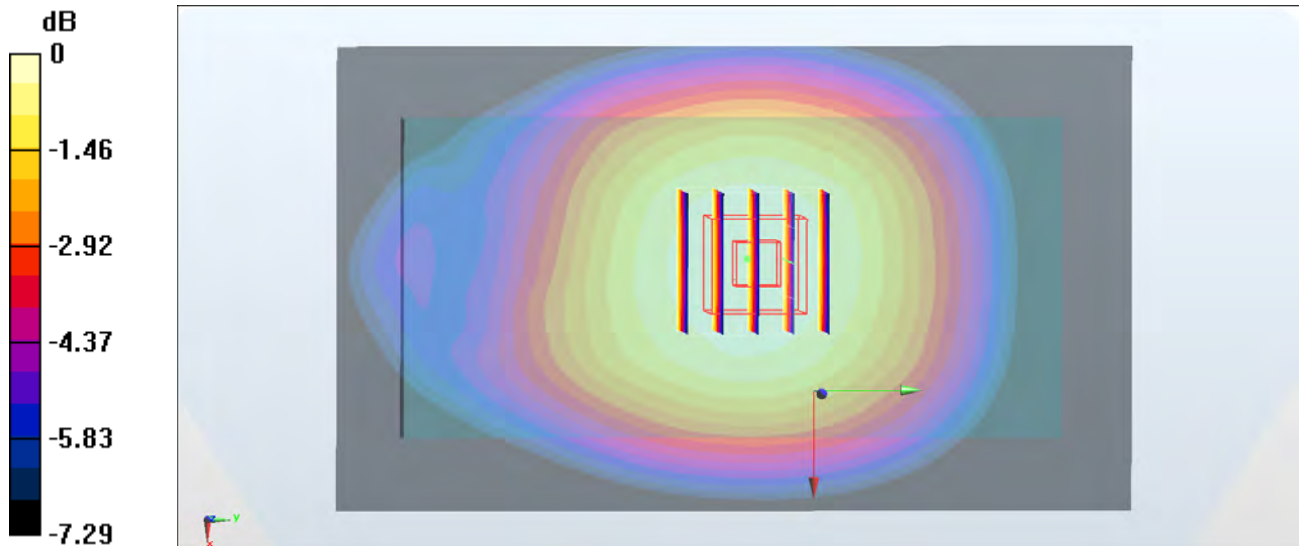
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.85 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.521 W/kg

**SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.316 W/kg**

Maximum value of SAR (measured) = 0.481 W/kg



0 dB = 0.481 W/kg = -3.18 dBW/kg

### 33\_GSM1900\_GPRS (1 Tx slot)\_Back\_15mm\_Ch512

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: MSL\_1900\_180615 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.495$  S/m;  $\epsilon_r = 53.682$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) @ 1850.2 MHz; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.628 W/kg

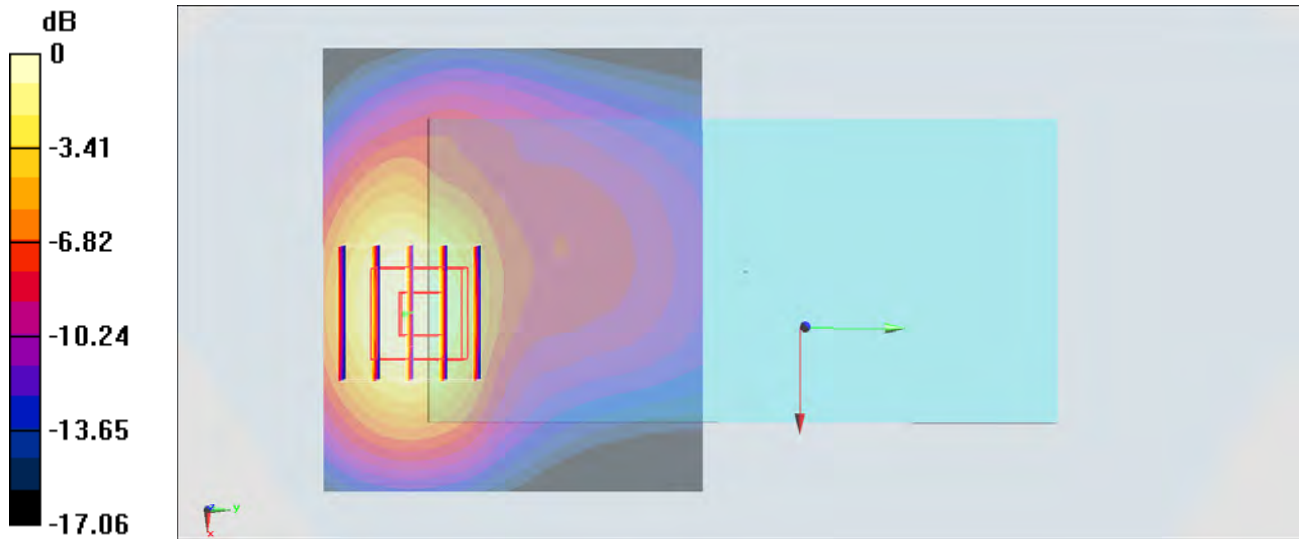
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.18 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.822 W/kg

**SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.293 W/kg**

Maximum value of SAR (measured) = 0.592 W/kg



0 dB = 0.592 W/kg = -2.28 dBW/kg

**34\_WCDMA II\_RMC12.2Kbps\_Back\_15mm\_Ch9262**

Communication System: UMTS ; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 53.653$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.03, 8.03, 8.03); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (61x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.44 W/kg

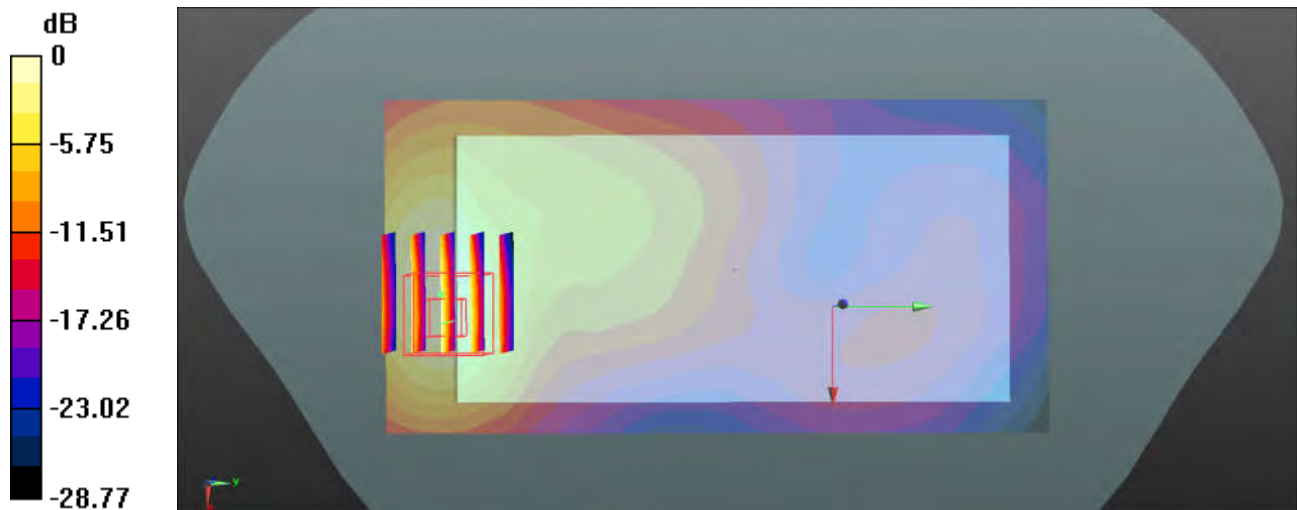
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.511 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.638 W/kg**

Maximum value of SAR (measured) = 1.36 W/kg



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

**35\_WCDMA IV\_RMC12.2Kbps\_Back\_15mm\_Ch1513**

Communication System: UMTS ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1750 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.493$  S/m;  $\epsilon_r = 54.732$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.31, 8.31, 8.31); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (61x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.966 W/kg

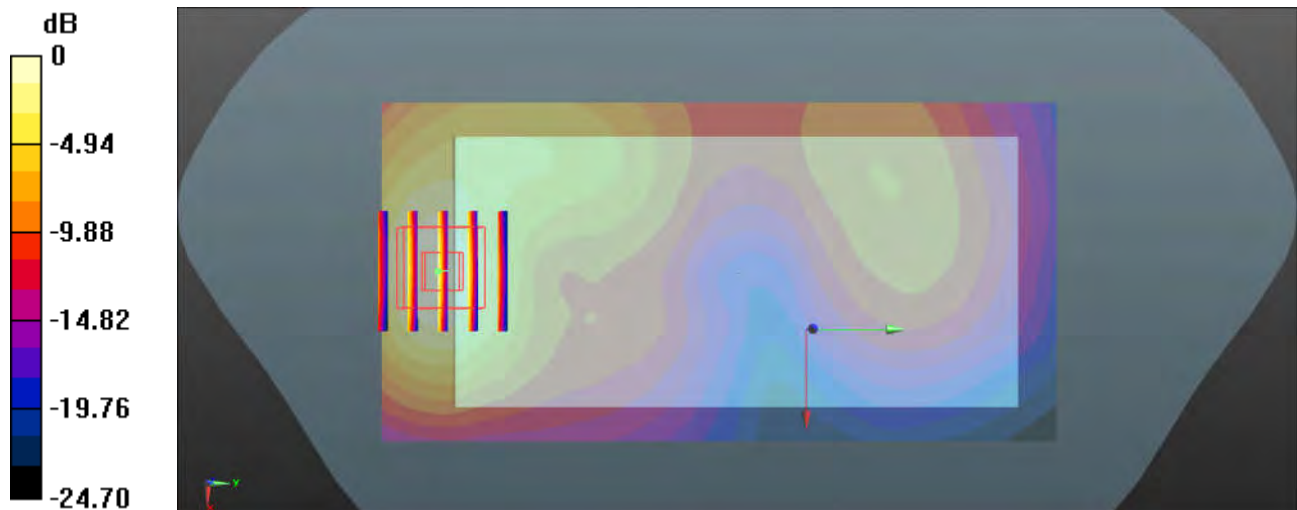
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 3.724 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.752 W/kg; SAR(10 g) = 0.450 W/kg**

Maximum value of SAR (measured) = 0.963 W/kg



0 dB = 0.966 W/kg = -0.15 dBW/kg

**36\_WCDMA V\_RMC12.2Kbps\_Back\_15mm\_Ch4132**

Communication System: UMTS ; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 56.577$ ;  $\rho = 1000$

kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.19, 6.19, 6.19); Calibrated: 2017.9.25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM2; Type: SAM ; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.491 W/kg

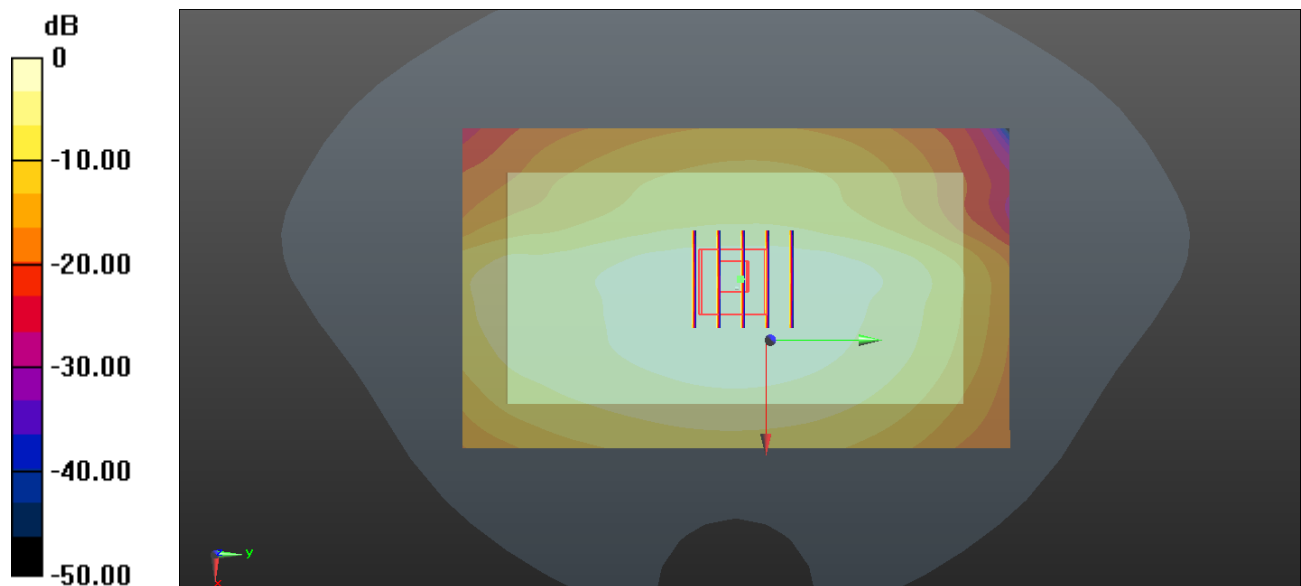
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.67 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.138 W/kg

**SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.117 W/kg



0 dB = 0.491 W/kg = -3.09 dBW/kg



**37\_LTE Band 2\_20M\_QPSK\_1RB\_49Offset\_Back\_15mm\_Ch18700**

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

Medium: MSL\_1900 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.492$  S/m;  $\epsilon_r = 53.636$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.03, 8.03, 8.03); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (61x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

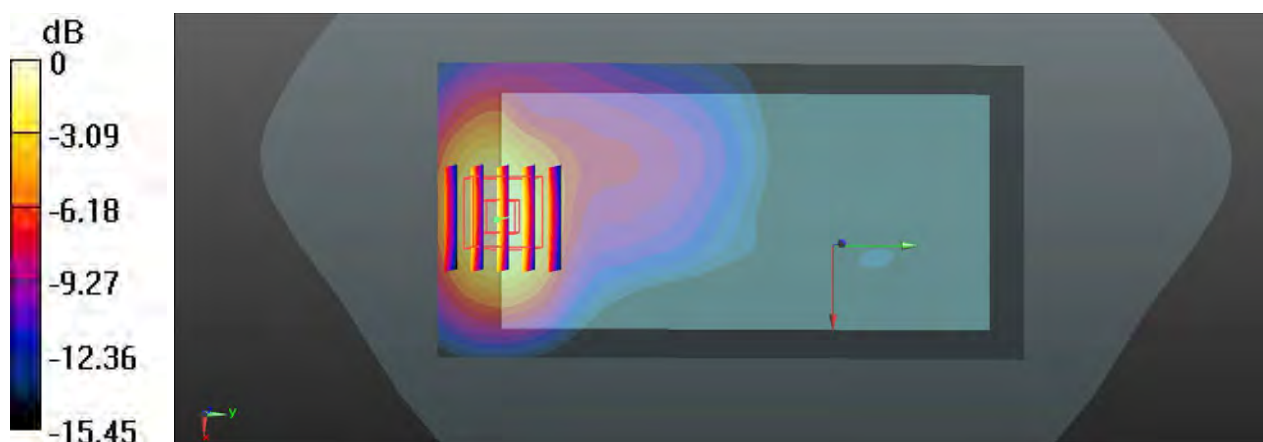
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.853 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.814 W/kg; SAR(10 g) = 0.482 W/kg**

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

**38\_LTE Band 5\_10M\_QPSK\_1RB\_25Offset\_Front\_15mm\_Ch20525**

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

Medium: MSL\_835 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.986$  S/m;  $\epsilon_r = 56.499$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.19, 6.19, 6.19); Calibrated: 2017.9.25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM2; Type: SAM ; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.411 W/kg

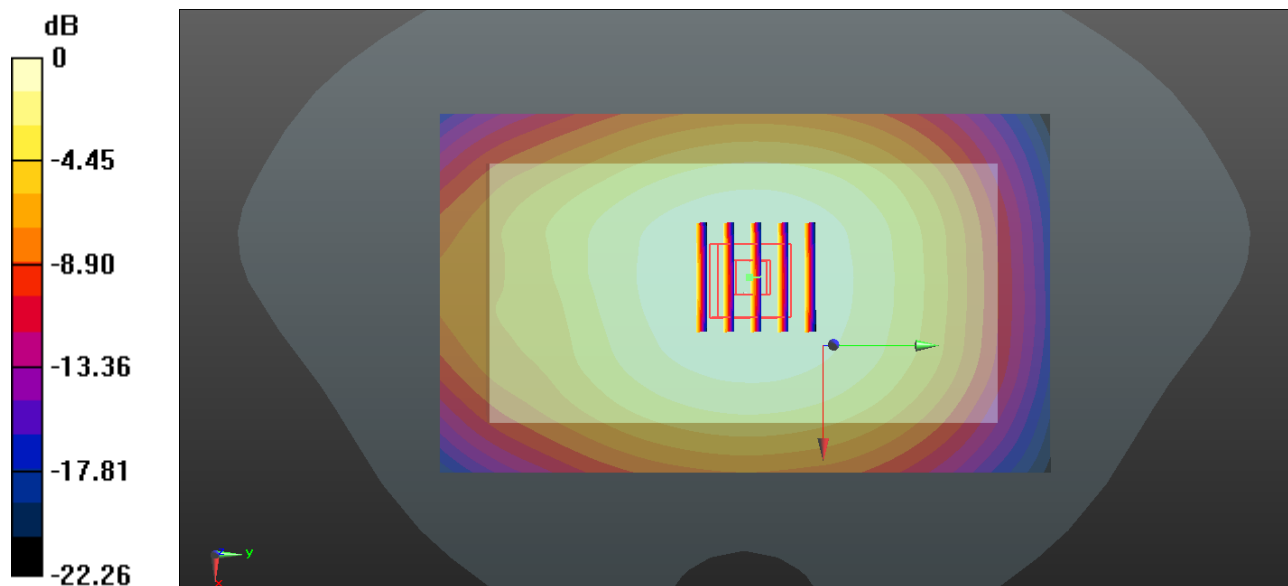
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.66 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.481 W/kg

**SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.260 W/kg**

Maximum value of SAR (measured) = 0.410 W/kg



0 dB = 0.411 W/kg = -3.86 dBW/kg

**39\_LTE Band 7\_20M\_QPSK\_1RB\_49Offset\_Back\_15mm\_Ch21350**

Communication System: LTE ; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL\_2600 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.173$  S/m;  $\epsilon_r = 52.578$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(6.92, 6.92, 6.92); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

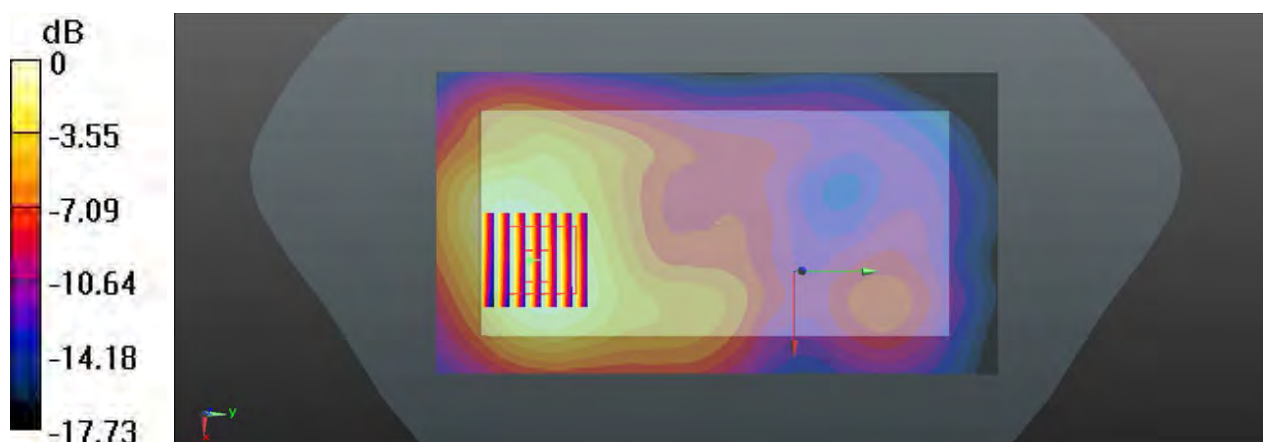
Maximum value of SAR (interpolated) = 0.752 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 6.827 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.908 W/kg

**SAR(1 g) = 0.546 W/kg; SAR(10 g) = 0.323 W/kg**

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



**40\_LTE Band 12\_10M\_QPSK\_1RB\_25Offset\_Back\_15mm\_Ch23095**

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

Medium: MSL\_750 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.923$  S/m;  $\epsilon_r = 56.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.43, 6.43, 6.43); Calibrated: 2017.9.25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM2; Type: SAM ; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.335 W/kg

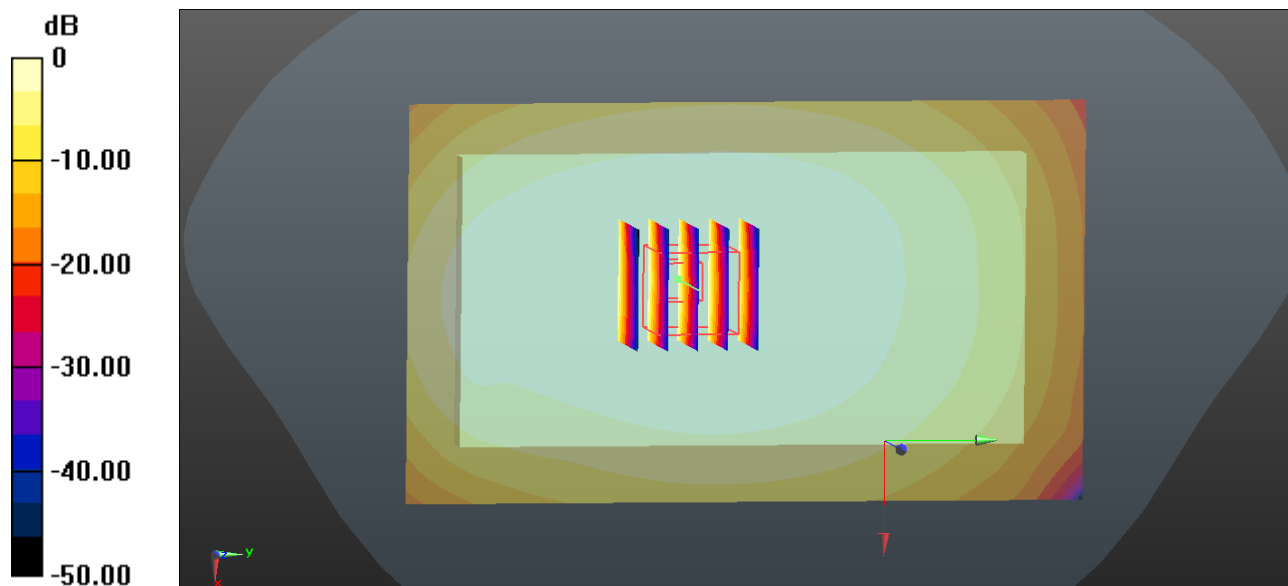
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.52 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.381 W/kg

**SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.220 W/kg**

Maximum value of SAR (measured) = 0.331 W/kg



0 dB = 0.335 W/kg = -4.75 dBW/kg

**41\_LTE Band 13\_10M\_QPSK\_1RB\_25Offset\_Back\_15mm\_Ch23230**

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

Medium: MSL\_750 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.999 \text{ S/m}$ ;  $\epsilon_r = 55.861$ ;  $\rho = 1000$

$\text{kg/m}^3$

Ambient Temperature :  $23.3 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.43, 6.43, 6.43); Calibrated: 2017.9.25;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.1.3
- Phantom: SAM2; Type: SAM ; Serial: TP-1503
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.464 \text{ W/kg}$

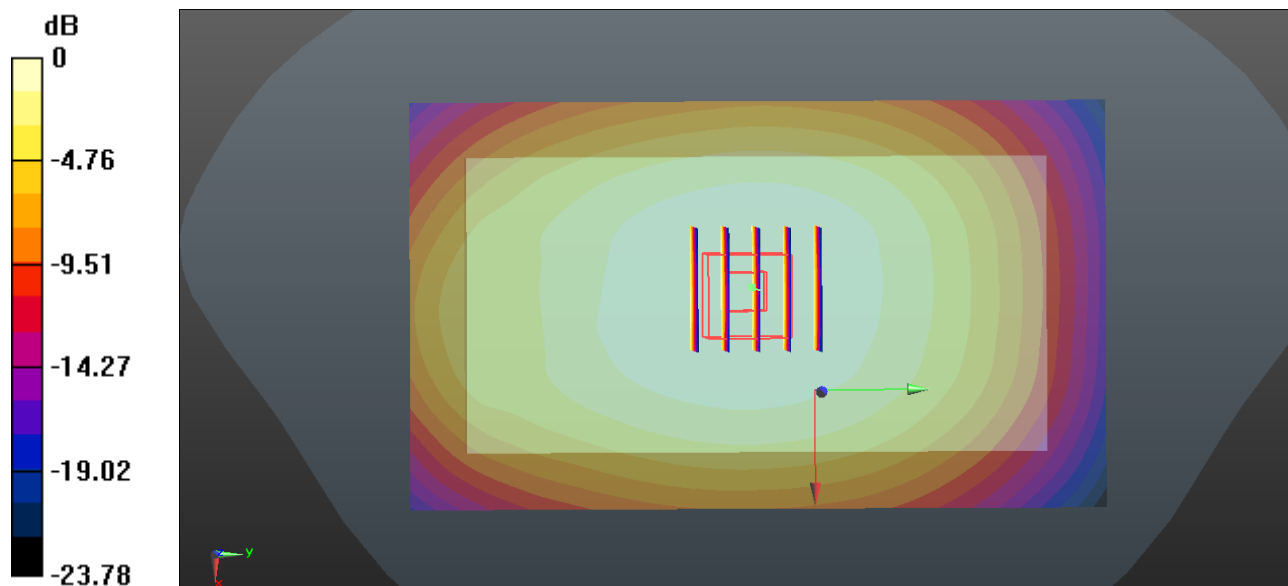
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $22.82 \text{ V/m}$ ; Power Drift =  $-0.00 \text{ dB}$

Peak SAR (extrapolated) =  $0.531 \text{ W/kg}$

**SAR(1 g) =  $0.391 \text{ W/kg}$ ; SAR(10 g) =  $0.301 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.459 \text{ W/kg}$



0 dB =  $0.464 \text{ W/kg}$  =  $-3.33 \text{ dBW/kg}$

**42\_LTE Band 66\_20M\_QPSK\_1RB\_49Offset\_Back\_15mm\_Ch132572**

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

Medium: MSL\_1750 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.511$  S/m;  $\epsilon_r = 54.69$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3954; ConvF(8.31, 8.31, 8.31); Calibrated: 2018.1.31;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM3; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

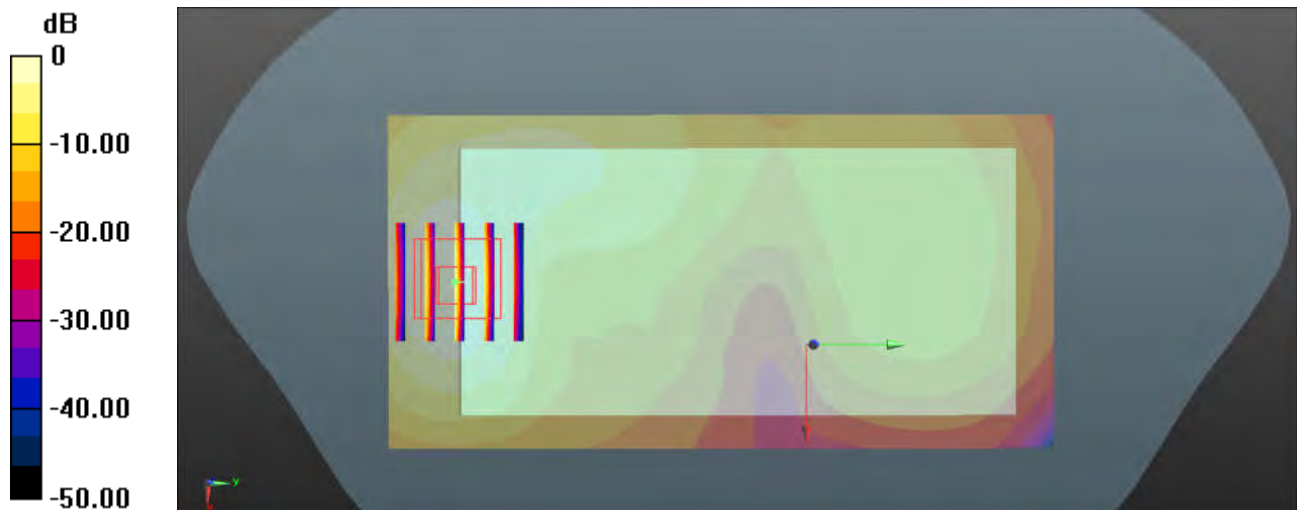
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.438 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.831 W/kg; SAR(10 g) = 0.493 W/kg**

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



0 dB = 1.02 W/kg = 0.09 dBW/kg

**43\_LTE Band 38\_20M\_QPSK\_1\_49\_Front\_15mm\_Ch38150**

Communication System: LTE; Frequency: 2610 MHz; Duty Cycle: 1:1.59

Medium: MSL\_2600\_180619 Medium parameters used :  $f = 2610$  MHz;  $\sigma = 2.203$  S/m;  $\epsilon_r = 50.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3925; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/5/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7437)

**Area Scan (91x61x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.305 W/kg

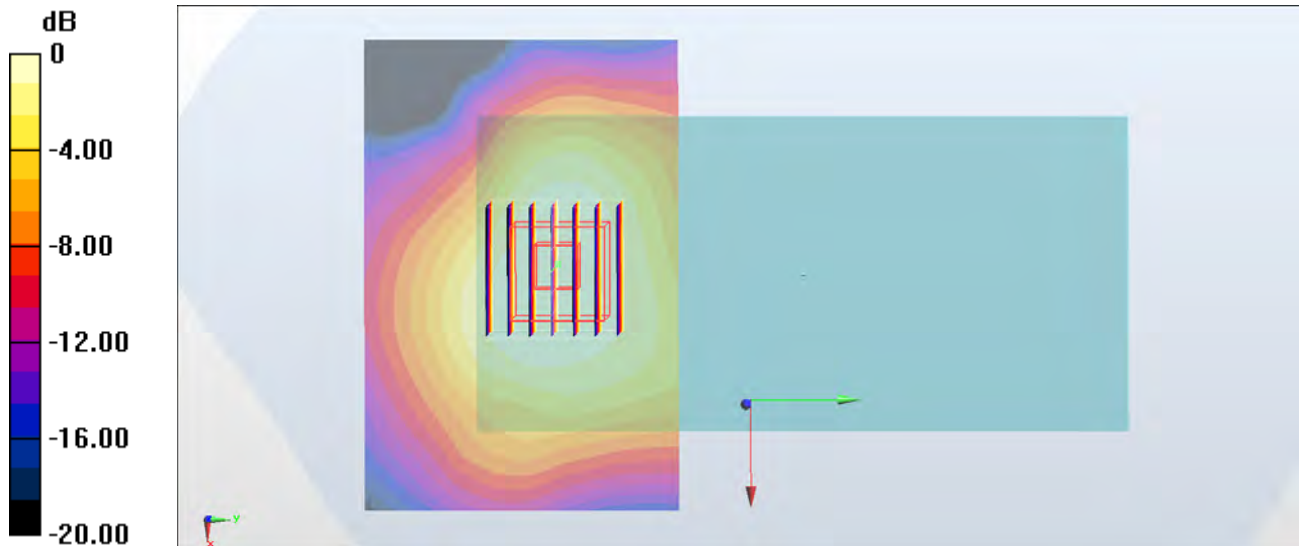
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.49 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.379 W/kg

**SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.111 W/kg**

Maximum value of SAR (measured) = 0.306 W/kg



0 dB = 0.306 W/kg = -5.14 dBW/kg



**44\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_15mm\_Ch6**

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL2450\_180620 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 1.965$  S/m;  $\epsilon_r = 52.388$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.4, 4.4, 4.4) @ 2437 MHz; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0807 W/kg

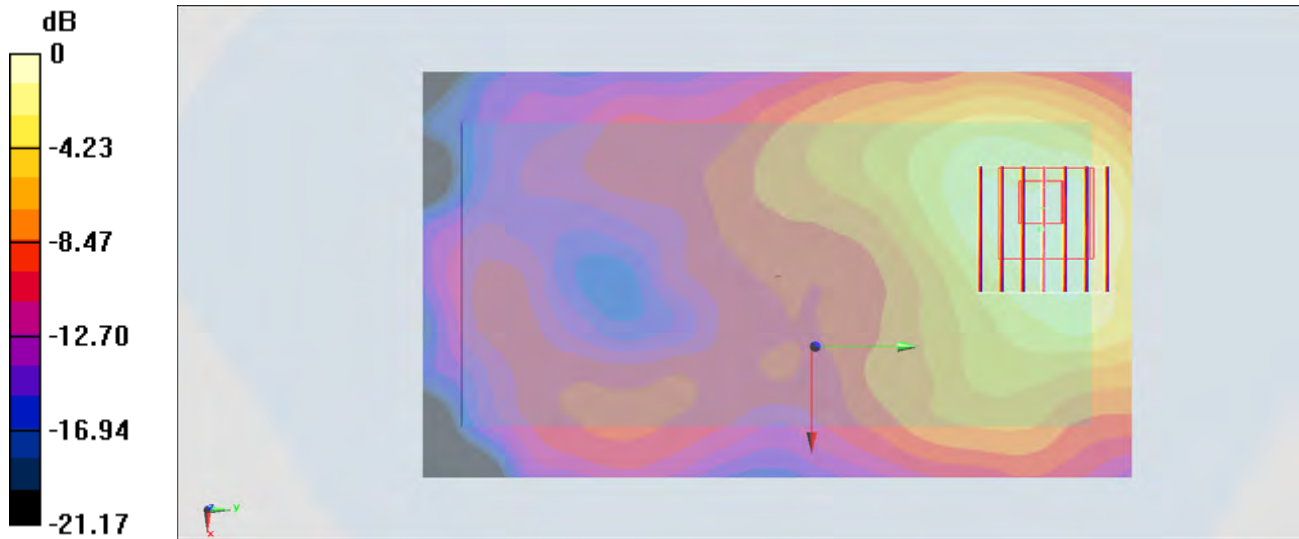
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.668 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.132 W/kg

**SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.038 W/kg**

Maximum value of SAR (measured) = 0.0827 W/kg



0 dB = 0.0827 W/kg = -10.82 dBW/kg

**45\_WLAN5GHz\_802.11n-HT40 MCS0\_Front\_15mm\_Ch62**

Communication System: 802.11n ; Frequency: 5310 MHz; Duty Cycle: 1:1.065

Medium: MSL\_5G\_180620 Medium parameters used:  $f = 5310$  MHz;  $\sigma = 5.566$  S/m;  $\epsilon_r = 46.747$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.92, 4.92, 4.92) @ 5310 MHz; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.0238 W/kg

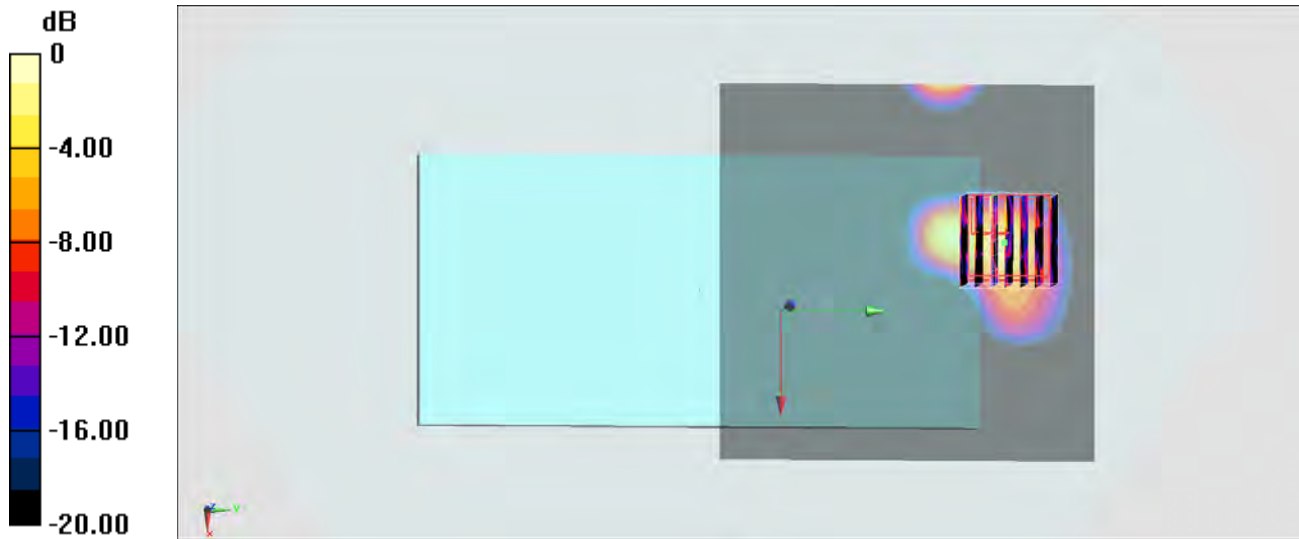
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 1.763 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.0840 W/kg

**SAR(1 g) = 0.00731 W/kg; SAR(10 g) = 0.000893 W/kg**

Maximum value of SAR (measured) = 0.0357 W/kg



0 dB = 0.0357 W/kg = -14.47 dBW/kg

**46\_WLAN5GHz\_802.11n-HT40 MCS0\_Front\_15mm\_Ch134**

Communication System: 802.11n; Frequency: 5670 MHz; Duty Cycle: 1:1.065

Medium: MSL\_5G\_180620 Medium parameters used:  $f = 5670$  MHz;  $\sigma = 6.028$  S/m;  $\epsilon_r = 46.092$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.28, 4.28, 4.28) @ 5670 MHz; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.00853 W/kg

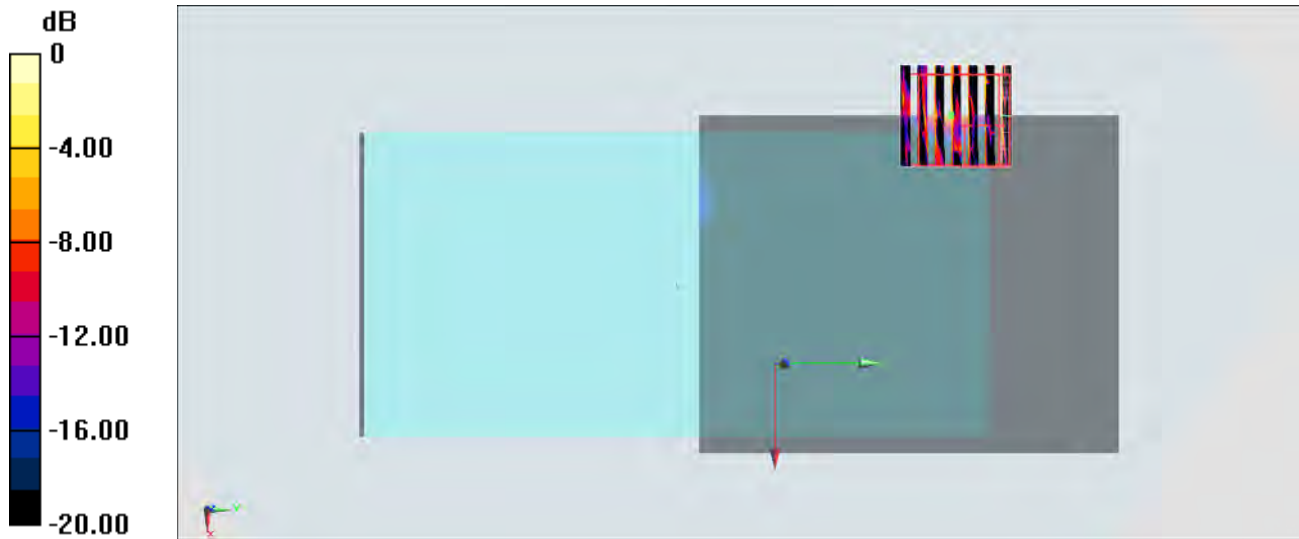
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.4820 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.120 W/kg

**SAR(1 g) = 0.00387 W/kg; SAR(10 g) = 0.000722 W/kg**

Maximum value of SAR (measured) = 0.0286 W/kg



0 dB = 0.0286 W/kg = -15.44 dBW/kg

**47\_WLAN5GHz\_802.11n-HT40 MCS0\_Front\_15mm\_Ch151**

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1.065

Medium: MSL\_5G\_180620 Medium parameters used :  $f = 5755$  MHz;  $\sigma = 6.14$  S/m;  $\epsilon_r = 45.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.46, 4.46, 4.46) @ 5755 MHz; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (101x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.000932 W/kg

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

Reference Value = 0.8250 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0 W/kg

**SAR(1 g) = n.a. ; SAR(10 g) = n.a.**

Maximum value of SAR (measured) = 0.00822 W/kg

