

**#1\_GSM850\_GPRS (4 Tx slots)\_Left Cheek\_Ch128**

Communication System: GSM850 ; Frequency: 824.2 MHz;Duty Cycle: 1:2.08

Medium: HSL\_850\_190715 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.863$  S/m;  $\epsilon_r = 43.311$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170;ConvF(6.28, 6.28, 6.28) @ 824.2 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.328 W/kg

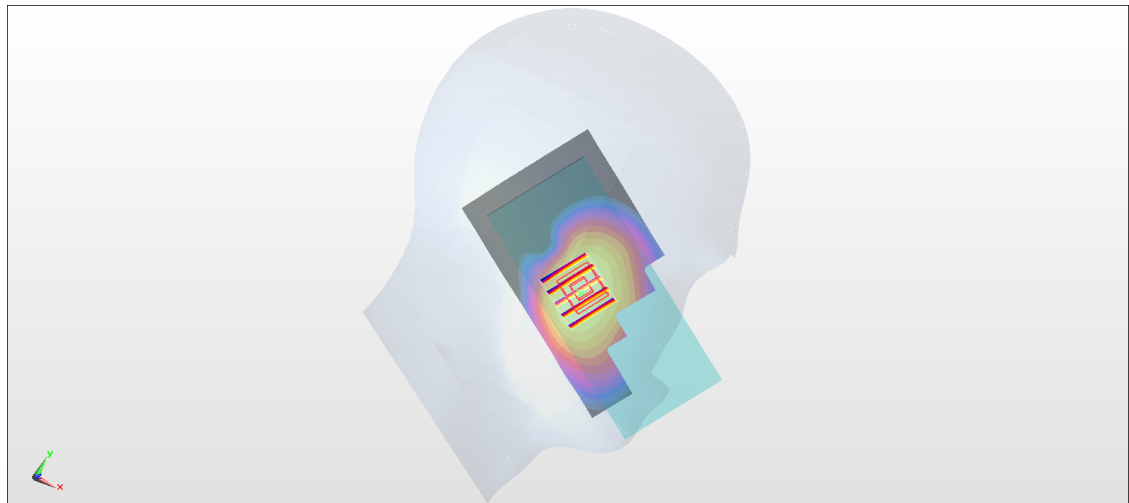
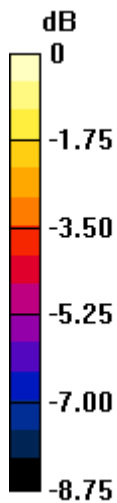
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.74 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.437 W/kg

**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.261 W/kg**

Maximum value of SAR (measured) = 0.380 W/kg



0 dB = 0.380 W/kg = -4.20 dBW/kg

**#2\_GSM1900\_EDGE (4 Tx slots)\_Right Cheek\_Ch661**

Communication System: PCS ; Frequency: 1880 MHz;Duty Cycle: 1:2.08

Medium: HSL\_1900\_190719 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  S/m;  $\epsilon_r = 40.327$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1880 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0388 W/kg

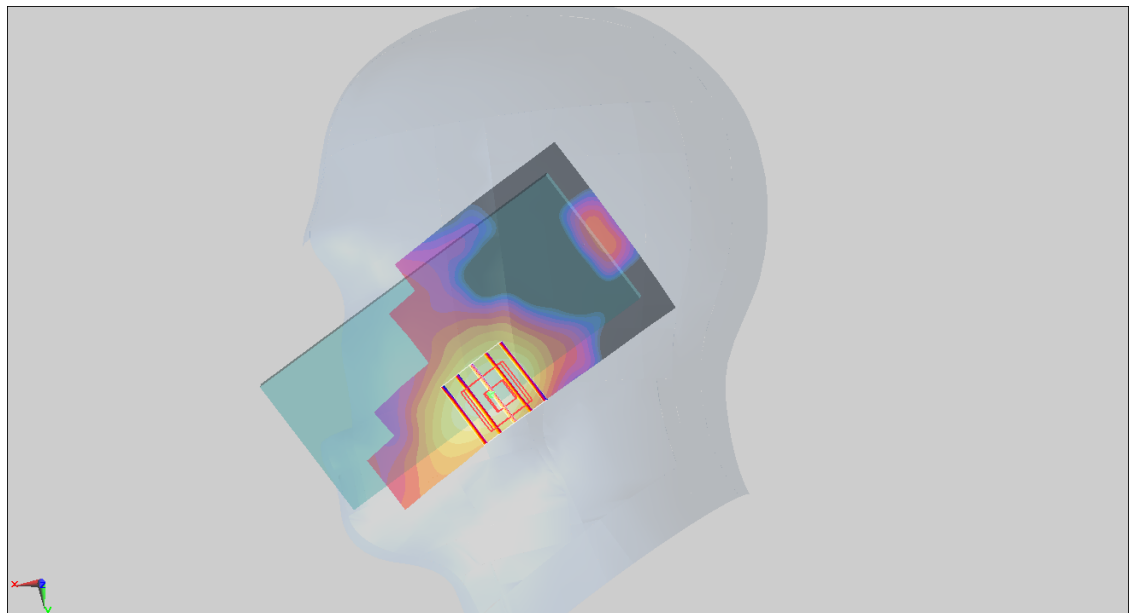
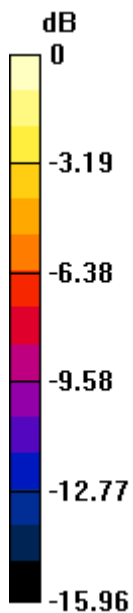
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.511 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.0540 W/kg

**SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.021 W/kg**

Maximum value of SAR (measured) = 0.0373 W/kg



0 dB = 0.0373 W/kg = -14.28 dBW/kg

### #3\_WCDMA II\_RMC 12.2Kbps\_Right Cheek\_Ch9538

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

Medium: HSL\_1900\_190719 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 40.324$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1907.6 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0439 W/kg

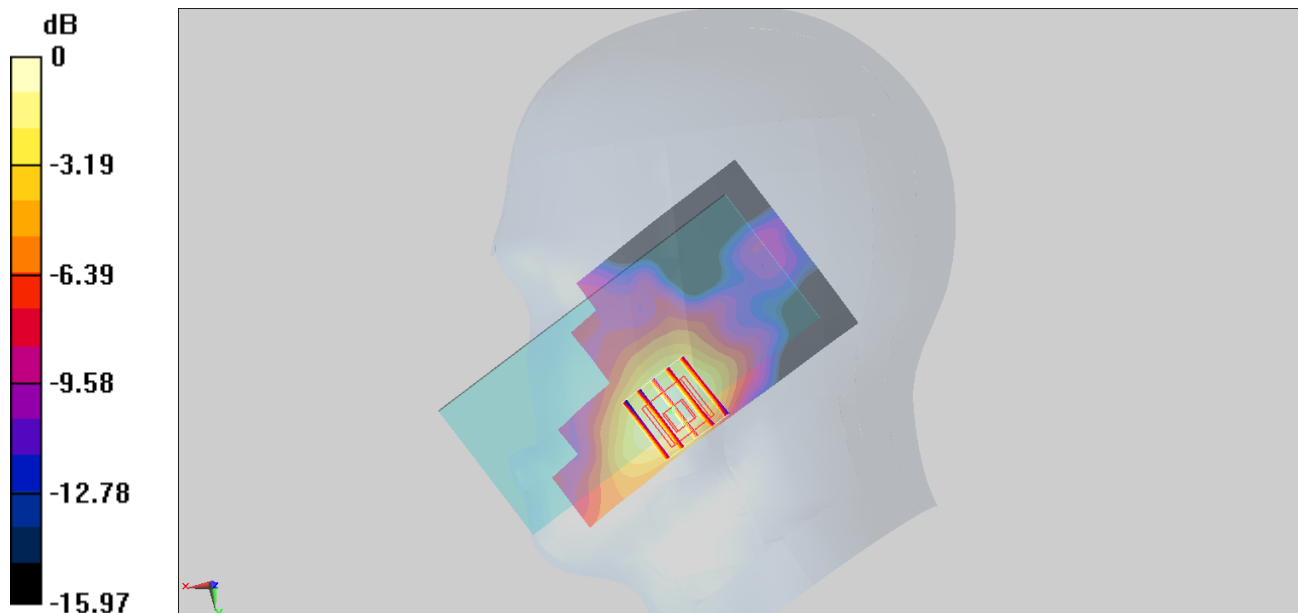
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.387 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0560 W/kg

**SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.023 W/kg**

Maximum value of SAR (measured) = 0.0417 W/kg



0 dB = 0.0417 W/kg = -13.80 dBW/kg

## #4\_WCDMA IV\_RMC 12.2Kbps\_Right Cheek\_Ch1413

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_190717 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.349$  S/m;  $\epsilon_r = 41.562$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: ES3DV3 - SN3170; ConvF(5.32, 5.32, 5.32) @ 1732.6 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.0510 W/kg

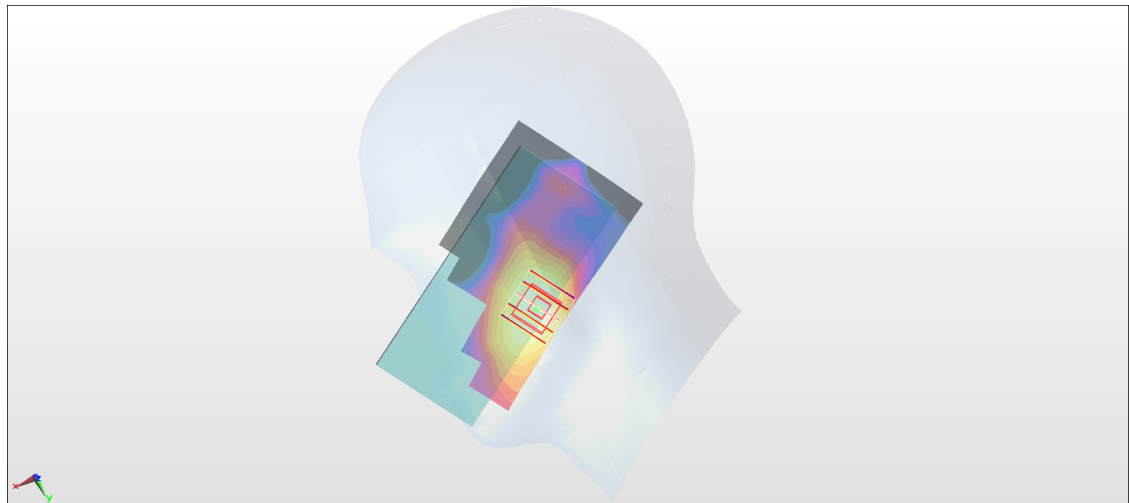
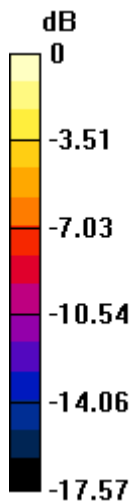
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.574 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.0600 W/kg

**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.025 W/kg**

Maximum value of SAR (measured) = 0.0469 W/kg



0 dB = 0.0469 W/kg = -13.29 dBW/kg

**#5\_WCDMA V\_RMC 12.2Kbps\_Left Cheek\_Ch4182**

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

Medium: HSL\_850\_190715 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.875$  S/m;  $\epsilon_r = 43.173$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(6.28, 6.28, 6.28) @ 836.4 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.332 W/kg

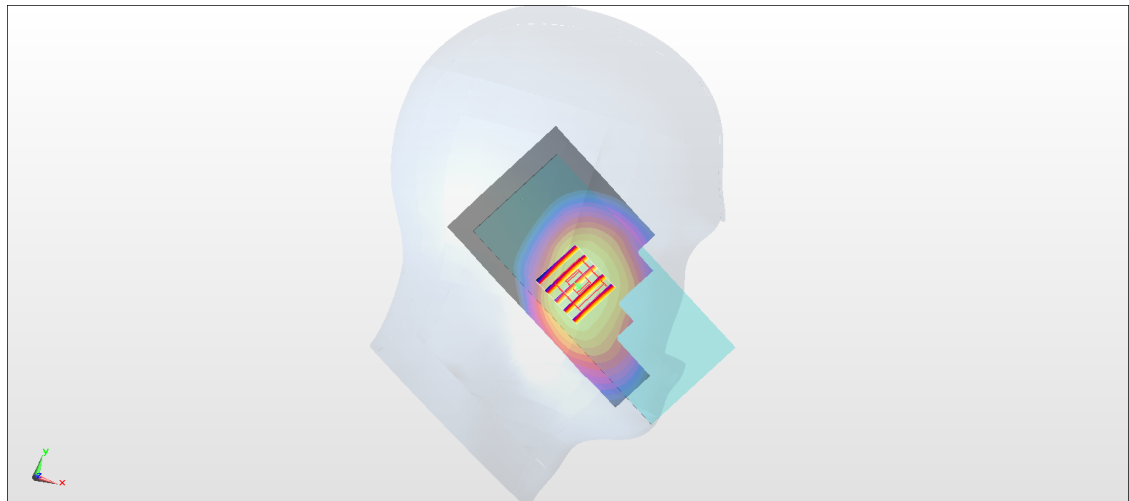
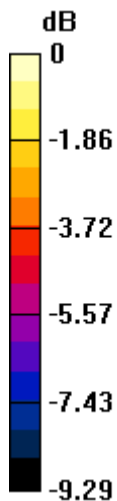
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.35 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.450 W/kg

**SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.248 W/kg**

Maximum value of SAR (measured) = 0.391 W/kg



0 dB = 0.391 W/kg = -4.08 dBW/kg

**#6\_LTE Band 7\_20M\_QPSK\_50\_24\_Right Cheek\_Ch20850**

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

Medium: HSL\_2600\_190718 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.877$  S/m;  $\epsilon_r = 38.613$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170;ConvF(4.63, 4.63, 4.63) @ 2510 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.0772 W/kg

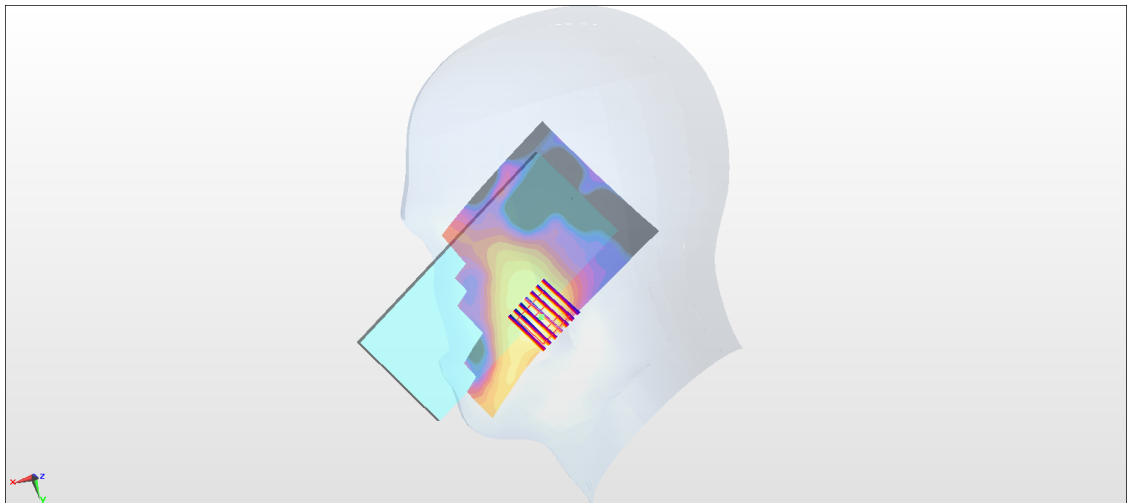
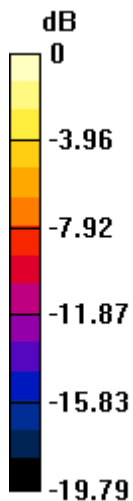
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.737 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.122 W/kg

**SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.025 W/kg**

Maximum value of SAR (measured) = 0.0705 W/kg



0 dB = 0.0705 W/kg = -11.52 dBW/kg

**#7\_LTE Band 12\_10M\_QPSK\_1\_49\_Left Cheek\_Ch23095**

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

Medium: HSL\_750\_190716 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.86$  S/m;  $\epsilon_r = 41.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170;ConvF(6.41, 6.41, 6.41) @ 707.5 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.182 W/kg

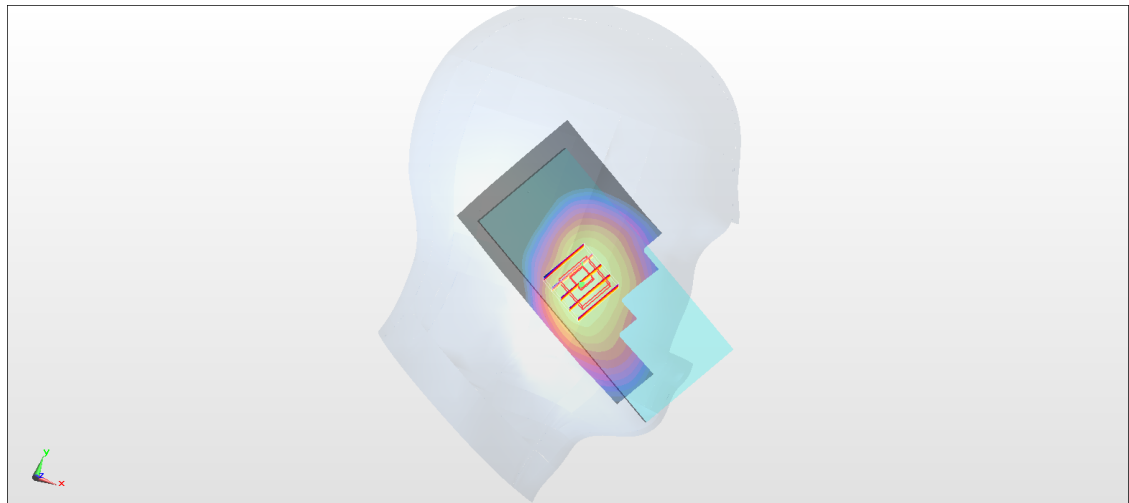
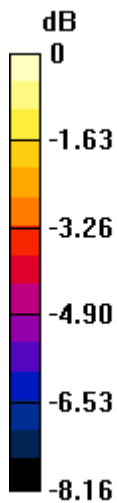
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.01 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.246 W/kg

**SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.159 W/kg**

Maximum value of SAR (measured) = 0.215 W/kg



0 dB = 0.215 W/kg = -6.68 dBW/kg

**#8\_LTE Band 13\_10M\_QPSK\_1\_25\_Left Cheek\_Ch23230**

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

Medium: HSL\_750\_190716 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 40.125$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170;ConvF(6.41, 6.41, 6.41) @ 782 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.268 W/kg

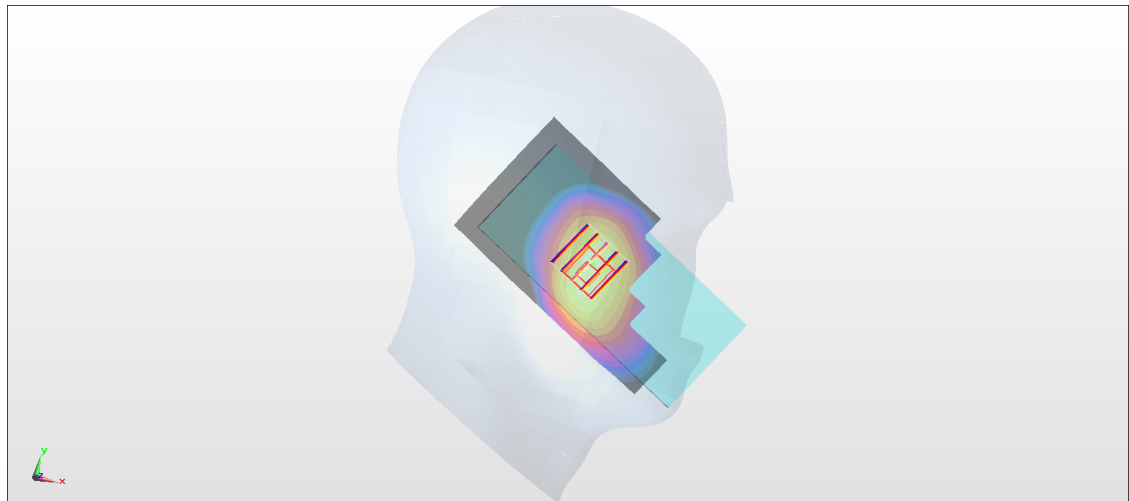
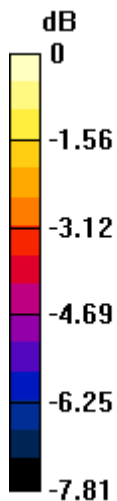
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.77 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.360 W/kg

**SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.221 W/kg**

Maximum value of SAR (measured) = 0.320 W/kg



0 dB = 0.320 W/kg = -4.95 dBW/kg



## #9\_LTE Band 25\_20M\_QPSK\_50\_24\_Right Cheek\_Ch26590

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

Medium: HSL\_1900\_190719 Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 40.325$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1905 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0360 W/kg

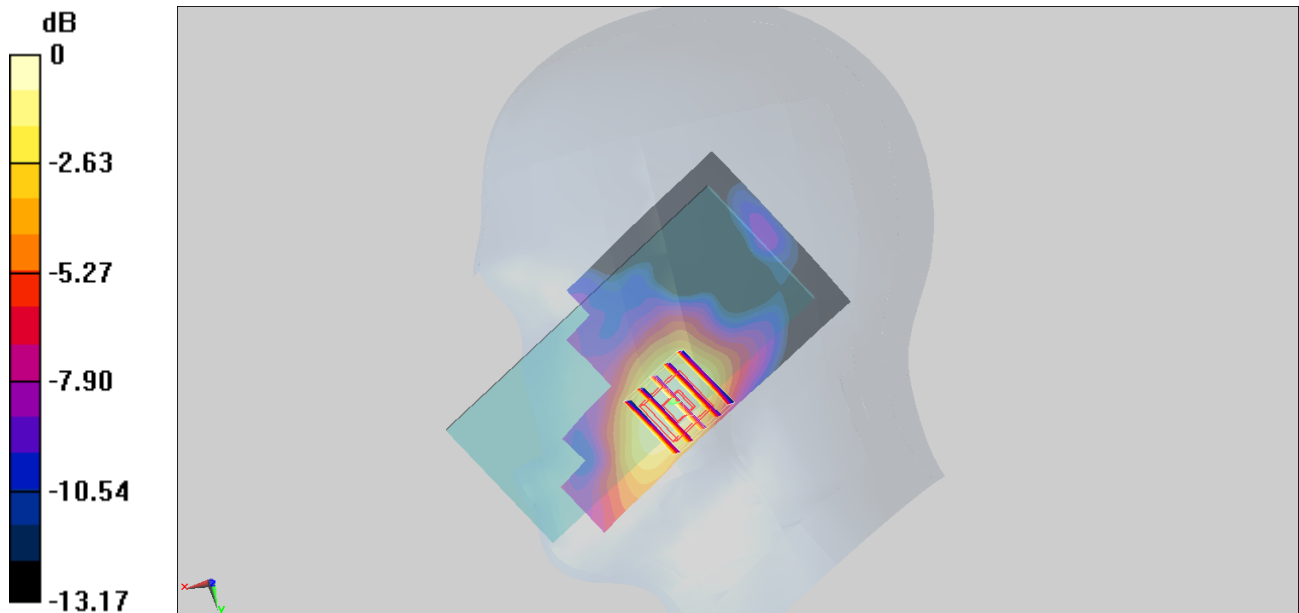
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.999 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.0450 W/kg

**SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.020 W/kg**

Maximum value of SAR (measured) = 0.0348 W/kg



0 dB = 0.0348 W/kg = -14.58 dBW/kg

**#10\_LTE Band 26\_15M\_QPSK\_1\_0\_Left Cheek\_Ch26865**

Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: HSL\_850\_190715 Medium parameters used :  $f = 831.5$  MHz;  $\sigma = 0.87$  S/m;  $\epsilon_r = 43.232$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(6.28, 6.28, 6.28) @ 831.5 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.285 W/kg

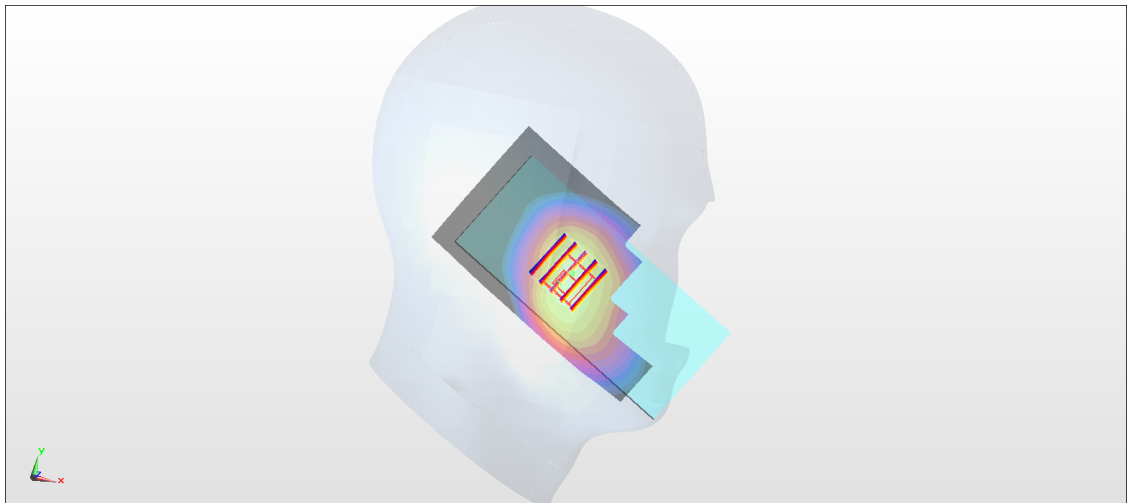
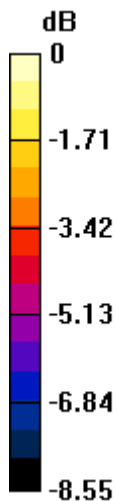
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.04 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.389 W/kg

**SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.221 W/kg**

Maximum value of SAR (measured) = 0.345 W/kg



0 dB = 0.345 W/kg = -4.62 dBW/kg

**#11\_LTE Band 66\_20M\_QPSK\_50\_0\_Right Cheek\_Ch132572**

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

Medium: HSL\_1750\_190717 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.375$  S/m;  $\epsilon_r = 41.674$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(5.32, 5.32, 5.32) @ 1770 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.0528 W/kg

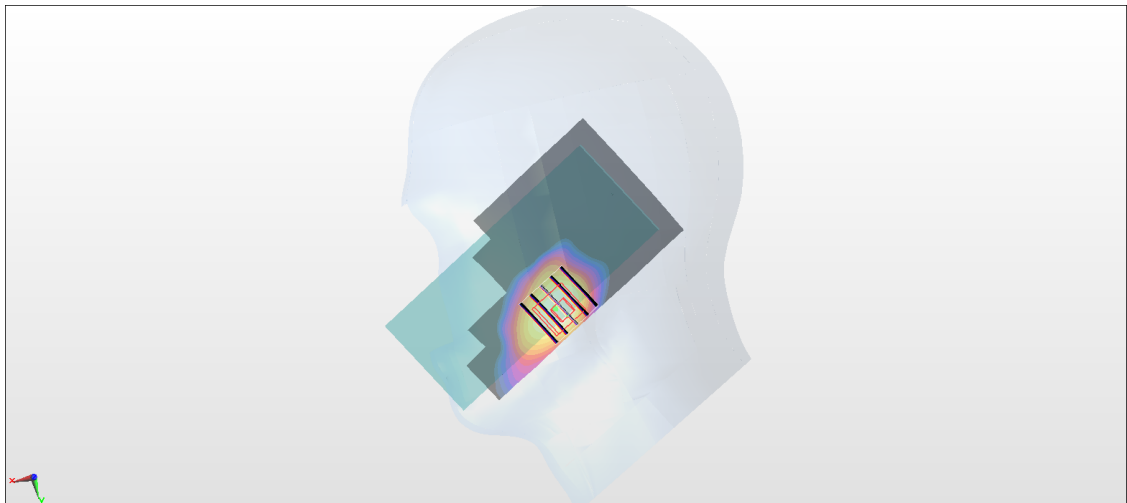
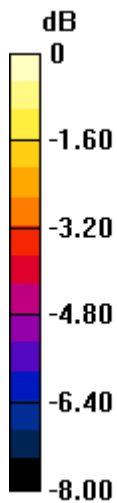
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.913 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0650 W/kg

**SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.026 W/kg**

Maximum value of SAR (measured) = 0.0487 W/kg



0 dB = 0.0487 W/kg = -13.12 dBW/kg

**#12\_LTE Band 41\_20M\_QPSK\_50\_50\_Right Cheek\_Ch39750**

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

Medium: HSL\_2600\_190718 Medium parameters used :  $f = 2506$  MHz;  $\sigma = 1.874$  S/m;  $\epsilon_r = 38.627$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(4.63, 4.63, 4.63) @ 2506 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0650 W/kg

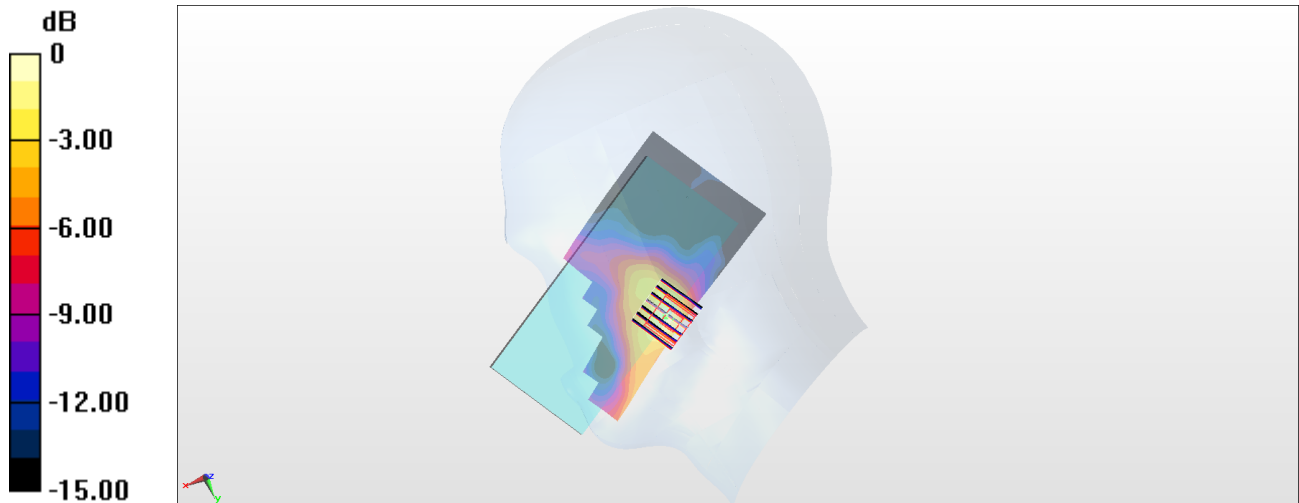
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.471 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.118 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.026 W/kg**

Maximum value of SAR (measured) = 0.0761 W/kg



0 dB = 0.0761 W/kg = -11.19 dBW/kg

**#13\_WLAN2.4GHz\_802.11b 1Mbps\_Right Cheek\_Ch1**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.005

Medium: HSL\_2450\_190721 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.746$  S/m;  $\epsilon_r = 39.066$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.54, 7.54, 7.54) @ 2412 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (91x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.471 W/kg

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

Reference Value = 15.75 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.567 W/kg

**SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.100 W/kg**

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



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

**#14\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch58**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.032

Medium: HSL\_5G\_190722 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.707$  S/m;  $\epsilon_r = 35.894$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(5.12, 5.12, 5.12) @ 5290 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.648 W/kg

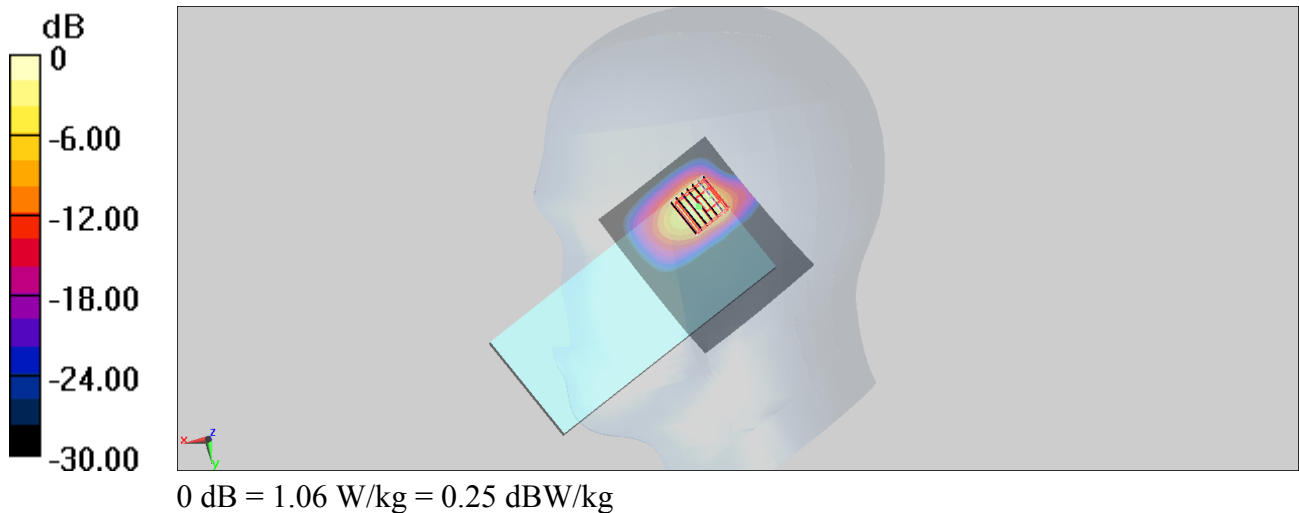
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.33 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.57 W/kg

**SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.099 W/kg**

Maximum value of SAR (measured) = 1.06 W/kg



**#15\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch122**

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1.032

Medium: HSL\_5G\_190722 Medium parameters used:  $f = 5610$  MHz;  $\sigma = 5.034$  S/m;  $\epsilon_r = 35.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.47, 4.47, 4.47) @ 5610 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x41x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.977 W/kg

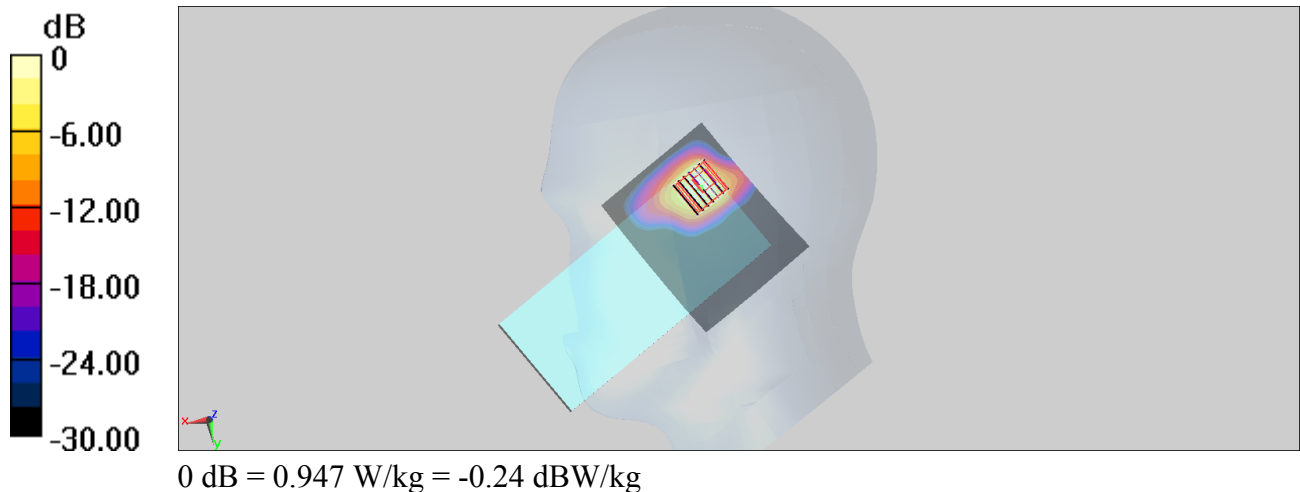
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.583 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.54 W/kg

**SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.947 W/kg



**#16\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch155**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.032

Medium: HSL\_5G\_190723 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.112$  S/m;  $\epsilon_r = 36.531$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.72, 4.72, 4.72) @ 5775 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (51x31x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

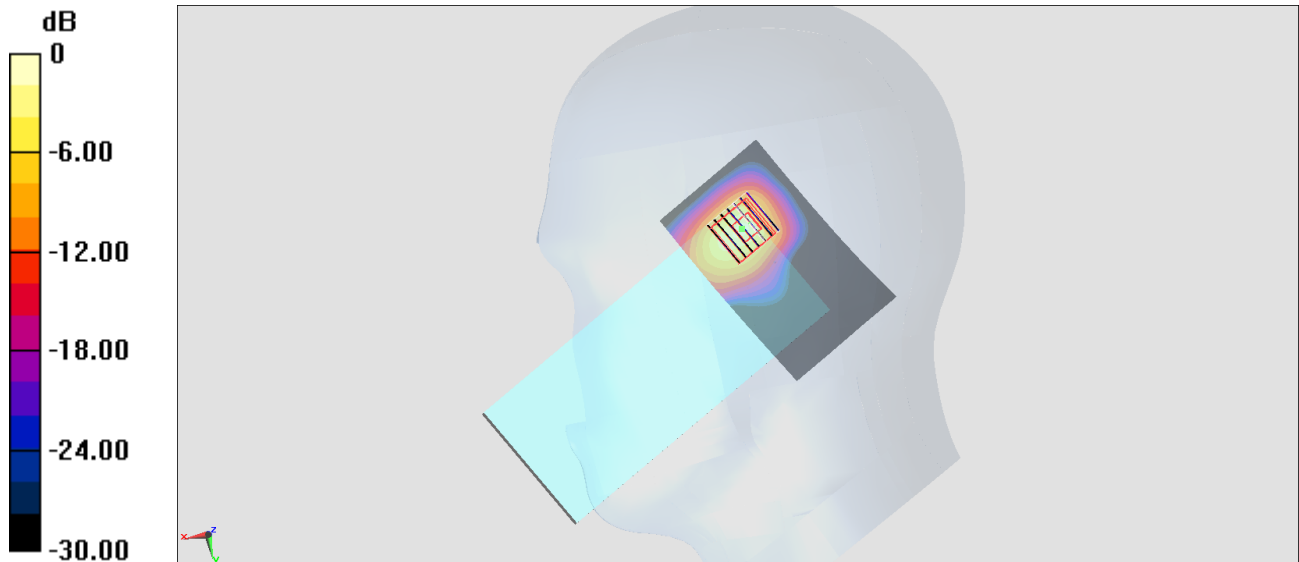
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.891 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.054 W/kg**

Maximum value of SAR (measured) = 0.581 W/kg



0 dB = 0.581 W/kg = -2.36 dBW/kg



## #17\_Bluetooth\_1Mbps\_Right Cheek\_Ch78

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.301

Medium: HSL\_2450\_190721 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.821$  S/m;  $\epsilon_r = 38.789$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(7.54, 7.54, 7.54) @ 2480 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (91x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.138 W/kg

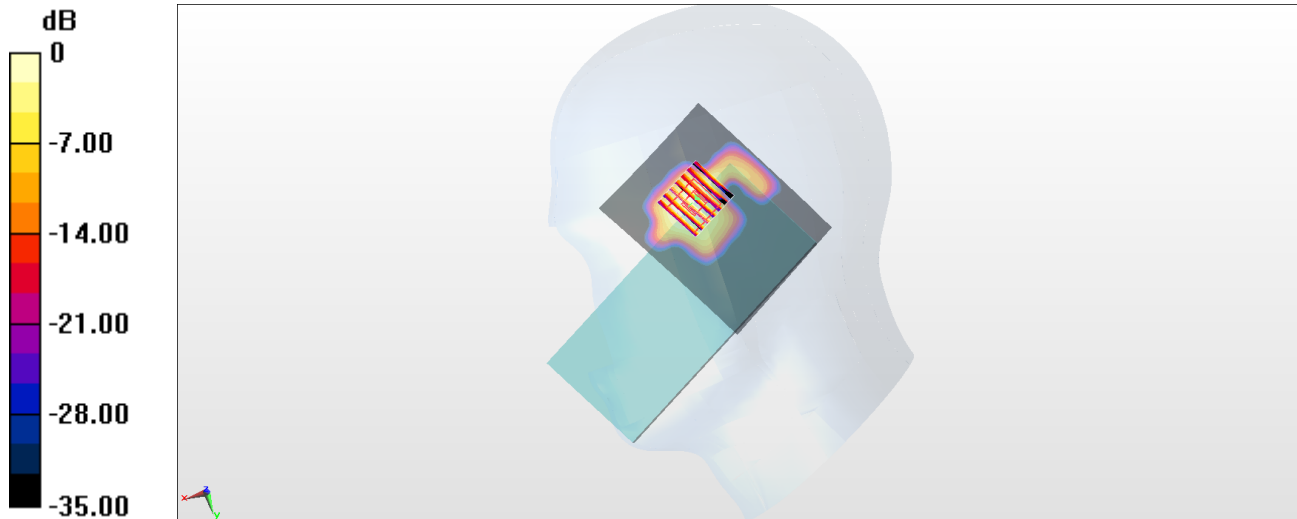
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.941 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.159 W/kg

**SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.024 W/kg**

Maximum value of SAR (measured) = 0.115 W/kg



## #18\_GSM850\_GPRS (4 Tx slots)\_Left Side\_10mm\_Ch128

Communication System: GSM850 ; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL\_850\_190715 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.863$  S/m;  $\epsilon_r = 43.311$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: ES3DV3 - SN3170; ConvF(6.28, 6.28, 6.28) @ 824.2 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.421 W/kg

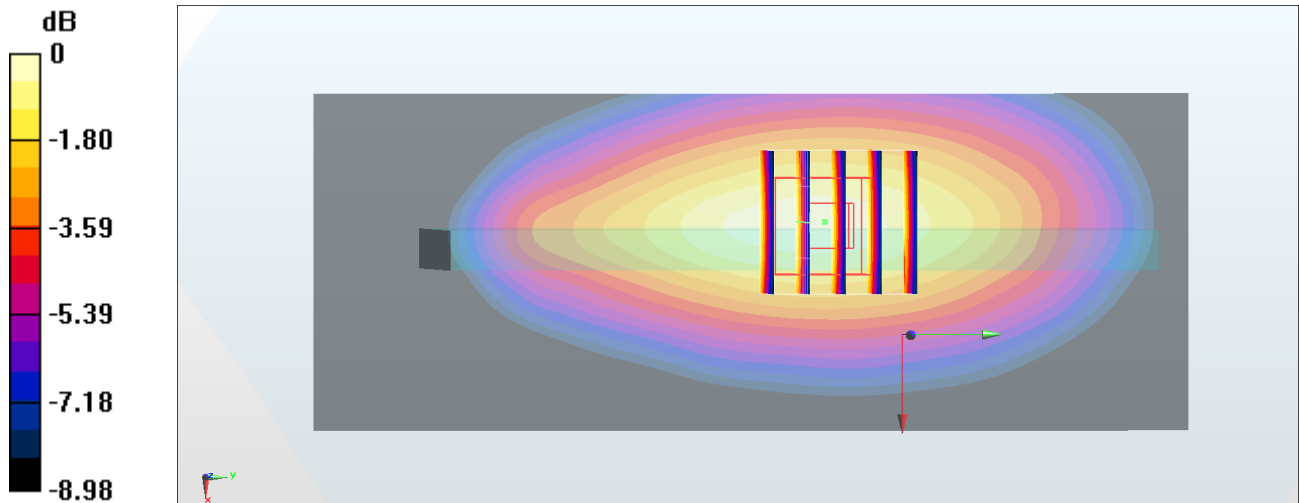
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.18 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.537 W/kg

**SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.267 W/kg**

Maximum value of SAR (measured) = 0.439 W/kg



0 dB = 0.439 W/kg = -3.58 dBW/kg

## #19\_GSM1900\_EDGE (4 Tx slots)\_Bottom Side\_10mm\_Ch661

Communication System: PCS ; Frequency: 1880 MHz;Duty Cycle: 1:2.08

Medium: HSL\_1900\_190719 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  S/m;  $\epsilon_r = 40.327$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1880 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.436 W/kg

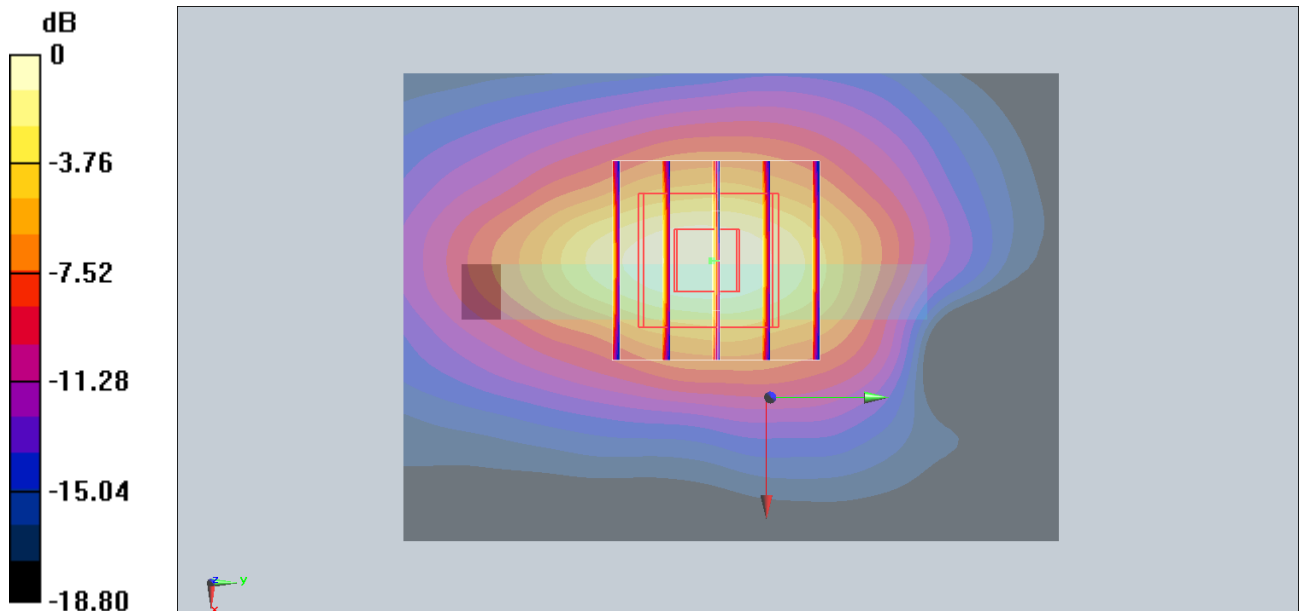
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.08 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.566 W/kg

**SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.188 W/kg**

Maximum value of SAR (measured) = 0.431 W/kg



0 dB = 0.431 W/kg = -3.66 dBW/kg

## #20\_WCDMA II\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch9538

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

Medium: HSL\_1900\_190719 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 40.324$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1907.6 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.694 W/kg

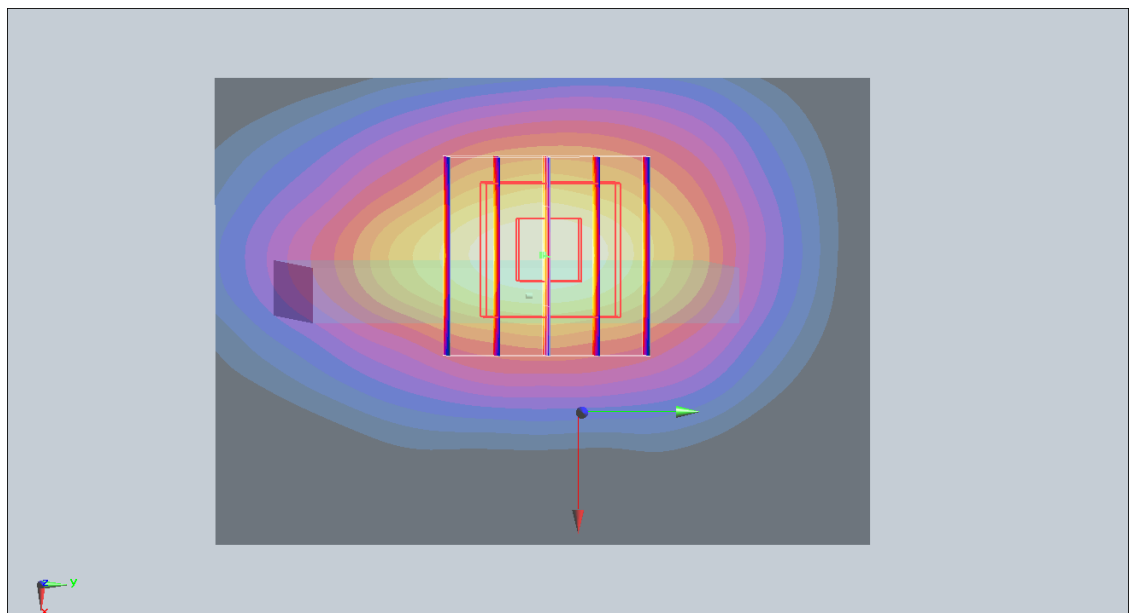
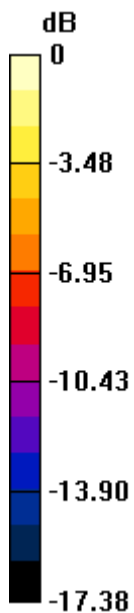
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.23 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.891 W/kg

**SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.289 W/kg**

Maximum value of SAR (measured) = 0.668 W/kg



0 dB = 0.668 W/kg = -1.75 dBW/kg

**#21\_WCDMA IV\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch1413**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_190717 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.349$  S/m;  $\epsilon_r = 41.562$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(5.32, 5.32, 5.32) @ 1732.6 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.549 W/kg

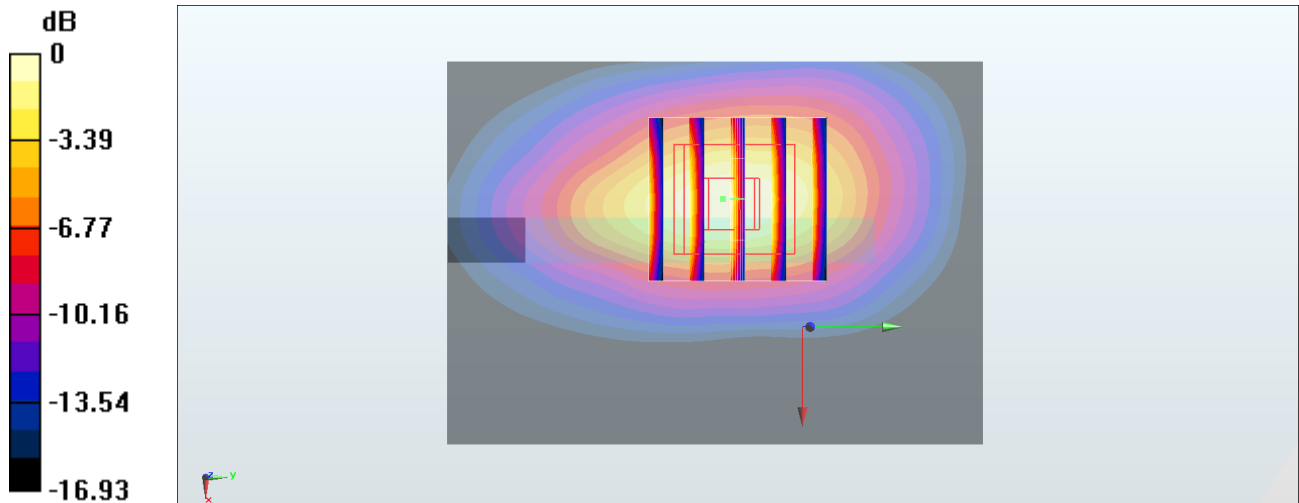
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.84 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.749 W/kg

**SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.238 W/kg**

Maximum value of SAR (measured) = 0.549 W/kg



0 dB = 0.549 W/kg = -2.60 dBW/kg

**#22\_WCDMA V\_RMC 12.2Kbps\_Back\_10mm\_Ch4182**

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

Medium: HSL\_850\_190715 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.875$  S/m;  $\epsilon_r = 43.173$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(6.28, 6.28, 6.28) @ 836.4 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.334 W/kg

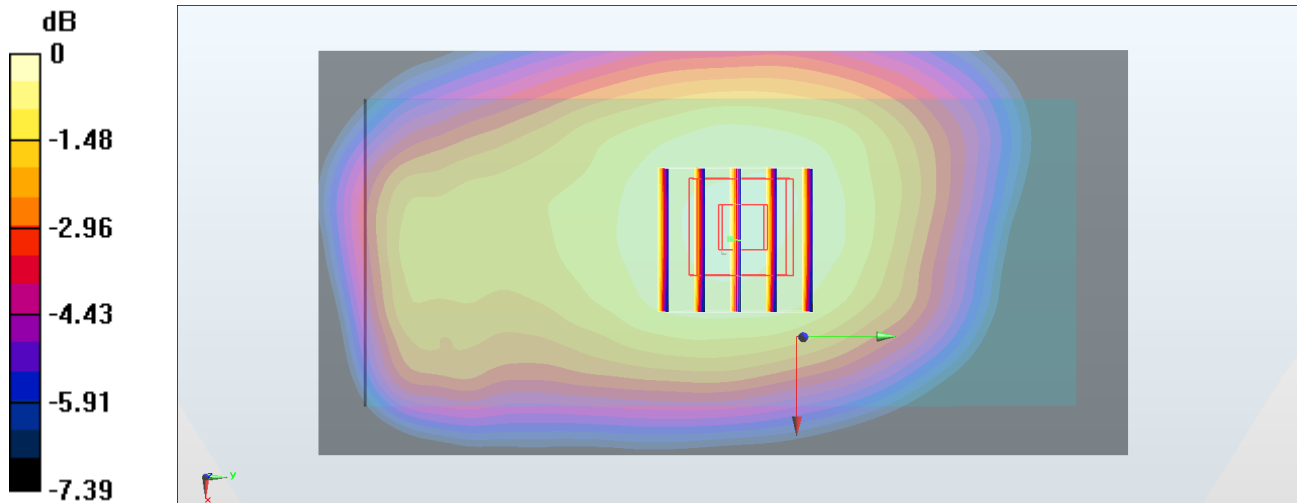
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.60 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.400 W/kg

**SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.259 W/kg**

Maximum value of SAR (measured) = 0.356 W/kg



0 dB = 0.356 W/kg = -4.49 dBW/kg

**#23\_LTE Band 7\_20M\_QPSK\_50\_24\_Bottom Side\_10mm\_Ch20850**

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

Medium: HSL\_2600\_190718 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.877$  S/m;  $\epsilon_r = 38.613$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170;ConvF(4.63, 4.63, 4.63) @ 2510 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- 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) = 0.787 W/kg

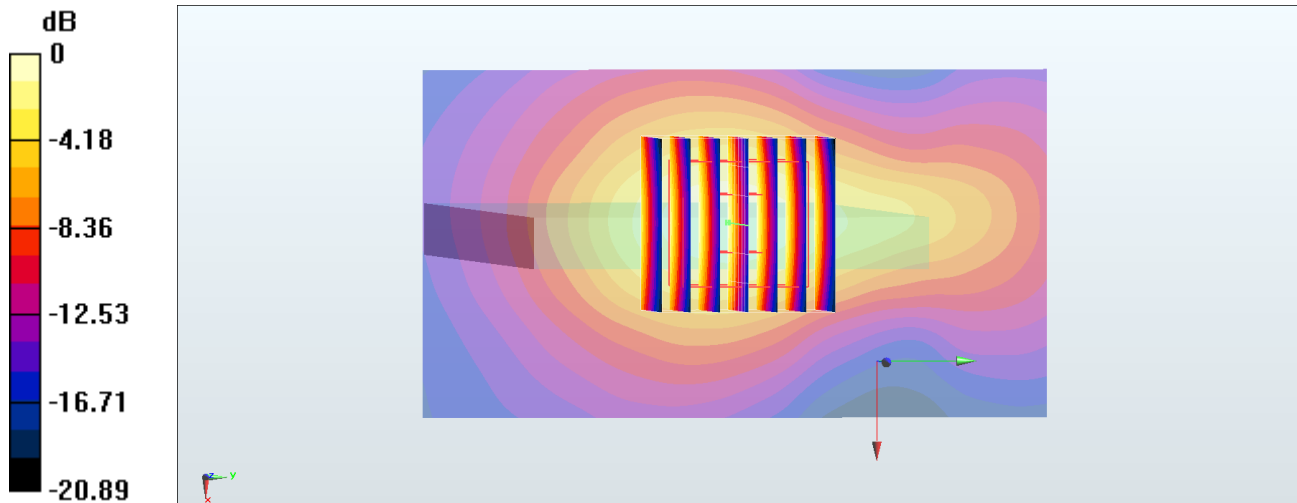
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.77 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.285 W/kg**

Maximum value of SAR (measured) = 0.794 W/kg



0 dB = 0.794 W/kg = -1.00 dBW/kg

## #24\_LTE Band 12\_10M\_QPSK\_1\_49\_Back\_10mm\_Ch23095

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

Medium: HSL\_750\_190716 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.86$  S/m;  $\epsilon_r = 41.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: ES3DV3 - SN3170; ConvF(6.41, 6.41, 6.41) @ 707.5 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.257 W/kg

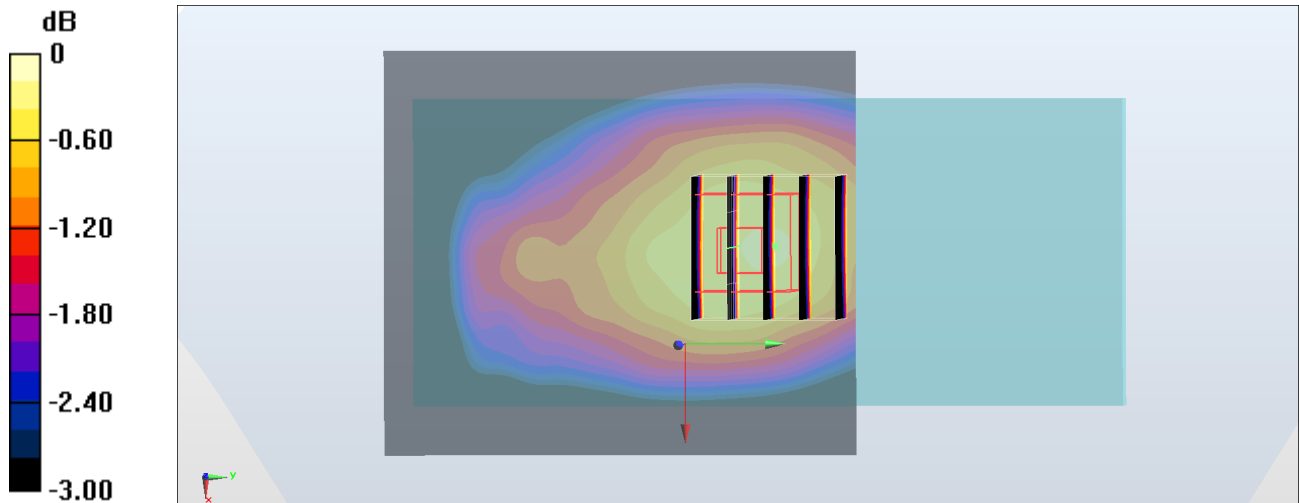
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.13 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.309 W/kg

**SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.209 W/kg**

Maximum value of SAR (measured) = 0.279 W/kg



0 dB = 0.279 W/kg = -5.54 dBW/kg



**#25\_LTE Band 13\_10M\_QPSK\_1\_25\_Back\_10mm\_Ch23230**

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

Medium: HSL\_750\_190716 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 40.125$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(6.41, 6.41, 6.41) @ 782 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.399 W/kg

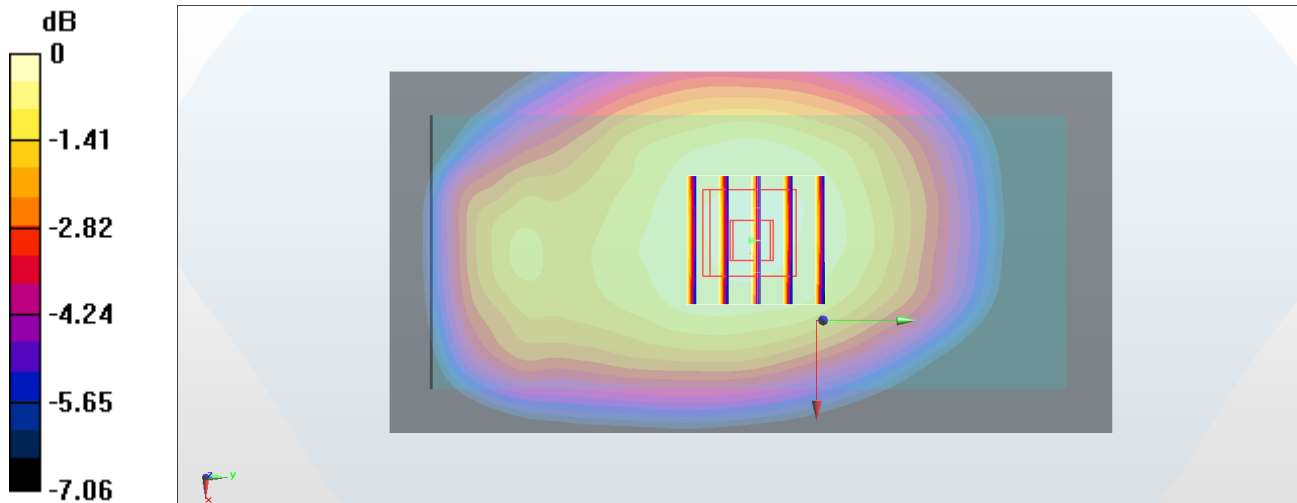
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.85 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.474 W/kg

**SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.312 W/kg**

Maximum value of SAR (measured) = 0.424 W/kg



0 dB = 0.424 W/kg = -3.73 dBW/kg

## #26\_LTE Band 25\_20M\_QPSK\_50\_24\_Bottom Side\_10mm\_Ch26590

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

Medium: HSL\_1900\_190719 Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 40.325$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1905 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- 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) = 0.687 W/kg

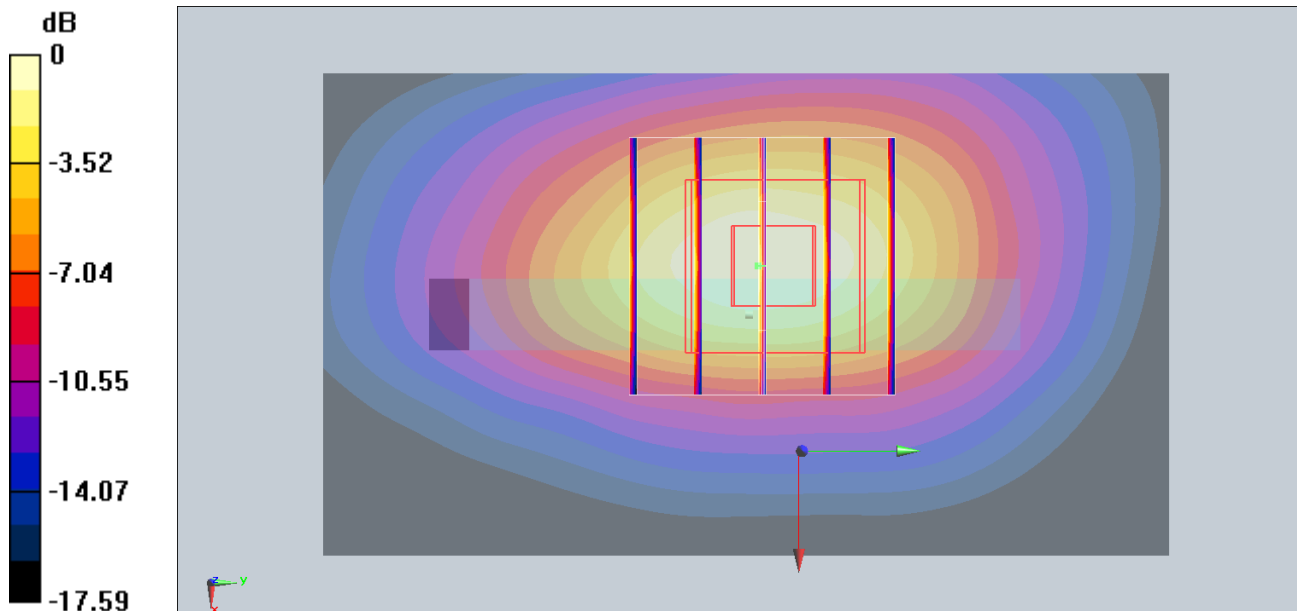
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.12 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.864 W/kg

**SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.276 W/kg**

Maximum value of SAR (measured) = 0.636 W/kg



0 dB = 0.636 W/kg = -1.97 dBW/kg

## #27\_LTE Band 26\_15M\_QPSK\_1\_0\_Left Side\_10mm\_Ch26865

Communication System: LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium: HSL\_850\_190715 Medium parameters used :  $f = 831.5$  MHz;  $\sigma = 0.87$  S/m;  $\epsilon_r = 43.232$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: ES3DV3 - SN3170;ConvF(6.28, 6.28, 6.28) @ 831.5 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.324 W/kg

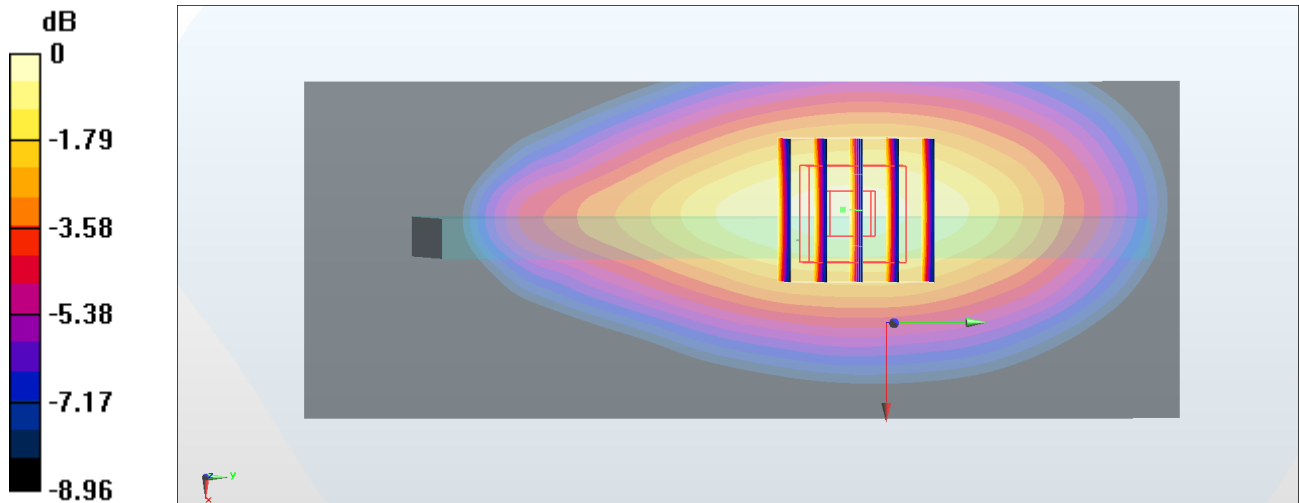
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.14 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.415 W/kg

**SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.210 W/kg**

Maximum value of SAR (measured) = 0.342 W/kg



0 dB = 0.342 W/kg = -4.66 dBW/kg

**#28\_LTE Band 66\_20M\_QPSK\_1\_0\_Bottom Side\_10mm\_Ch132572**

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

Medium: HSL\_1750\_190717 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.375$  S/m;  $\epsilon_r = 41.674$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170;ConvF(5.32, 5.32, 5.32) @ 1770 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (51x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.652 W/kg

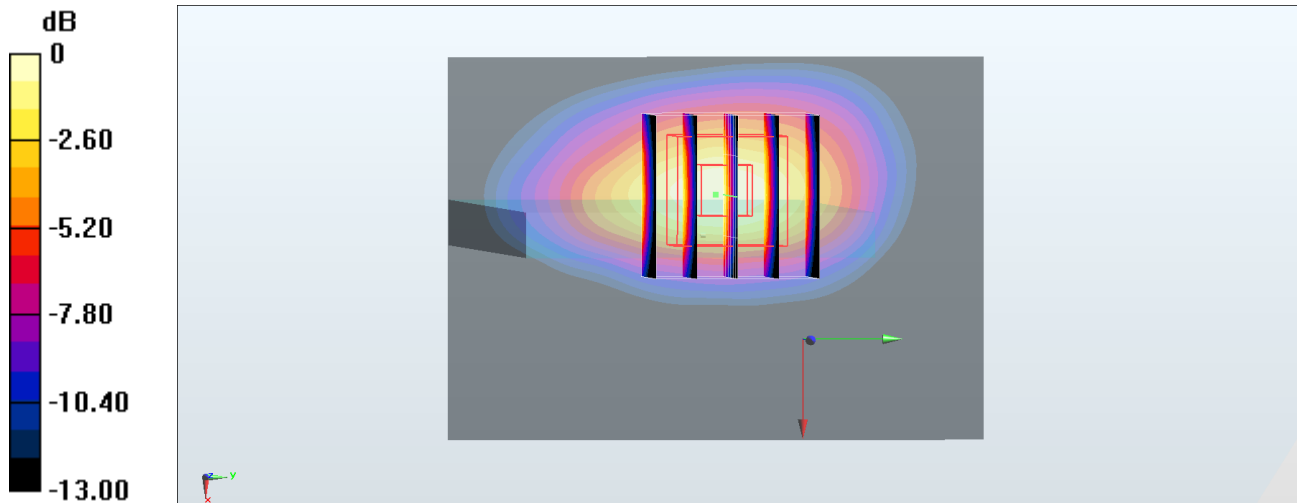
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.73 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.877 W/kg

**SAR(1 g) = 0.519 W/kg; SAR(10 g) = 0.277 W/kg**

Maximum value of SAR (measured) = 0.648 W/kg



0 dB = 0.648 W/kg = -1.88 dBW/kg

## #29\_LTE Band 41\_20M\_QPSK\_50\_50\_Bottom Side\_10mm\_Ch41490

Communication System: LTE; Frequency: 2680 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_190718 Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.066$  S/m;  $\epsilon_r = 37.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: ES3DV3 - SN3170; ConvF(4.43, 4.43, 4.43) @ 2680 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.926 W/kg

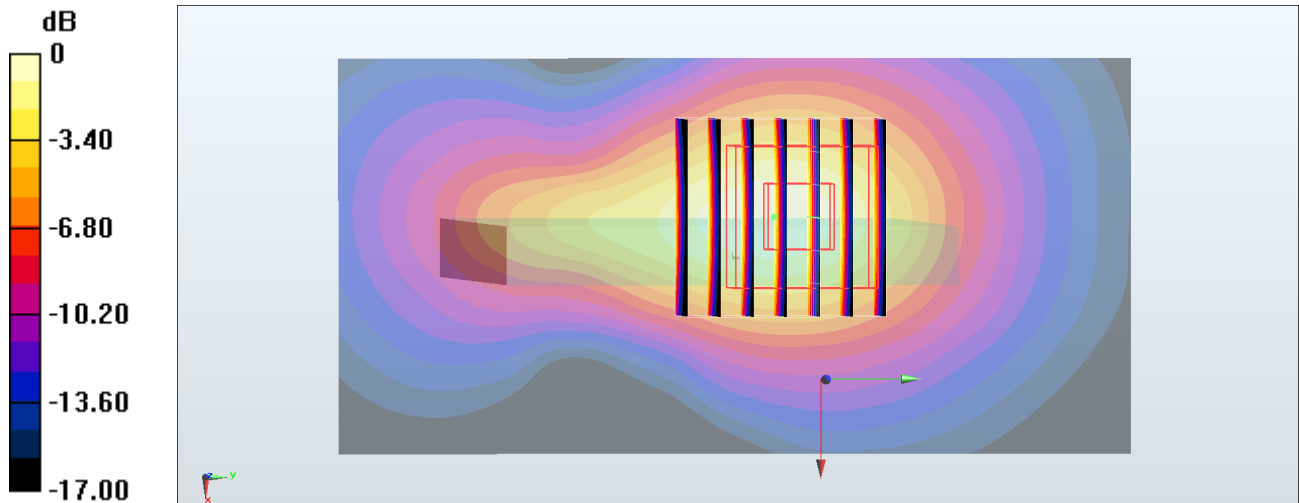
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.99 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.51 W/kg

**SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.281 W/kg**

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



0 dB = 0.959 W/kg = -0.18 dBW/kg

**#30\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_10mm\_Ch1;Ant 1**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.005

Medium: HSL\_2450\_190721 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.746$  S/m;  $\epsilon_r = 39.066$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.54, 7.54, 7.54) @ 2412 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.173 W/kg

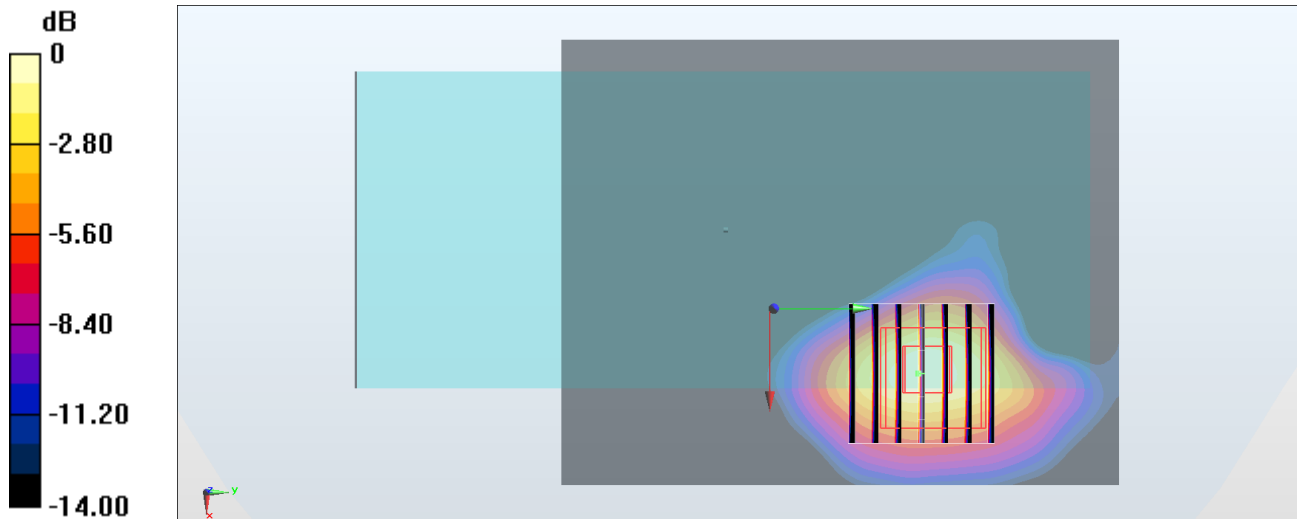
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.621 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.228 W/kg

**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.048 W/kg**

Maximum value of SAR (measured) = 0.178 W/kg



0 dB = 0.178 W/kg = -7.50 dBW/kg

## #31\_Bluetooth\_1Mbps\_Left Side\_10mm\_Ch78

Communication System: Bluetooth ; Frequency: 2480 MHz;Duty Cycle: 1:1.301

Medium: HSL\_2450\_190721 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.821$  S/m;  $\epsilon_r = 38.789$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3931;ConvF(7.54, 7.54, 7.54) @ 2480 MHz;Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (41x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0637 W/kg

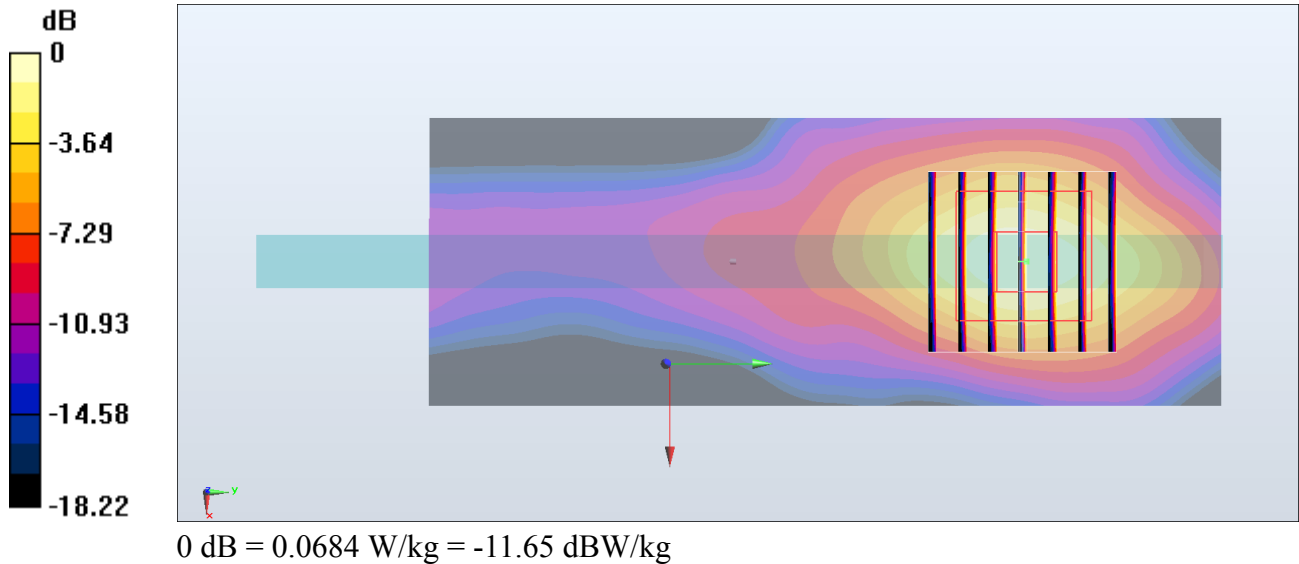
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.080 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0860 W/kg

**SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.017 W/kg**

Maximum value of SAR (measured) = 0.0684 W/kg



**#32\_GSM850\_GPRS (4 Tx slots)\_Back\_15mm\_Ch128**

Communication System: GSM850 ; Frequency: 824.2 MHz; Duty Cycle: 1:2.08

Medium: HSL\_850\_190715 Medium parameters used :  $f = 824.2$  MHz;  $\sigma = 0.863$  S/m;  $\epsilon_r = 43.311$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(6.28, 6.28, 6.28) @ 824.2 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.340 W/kg

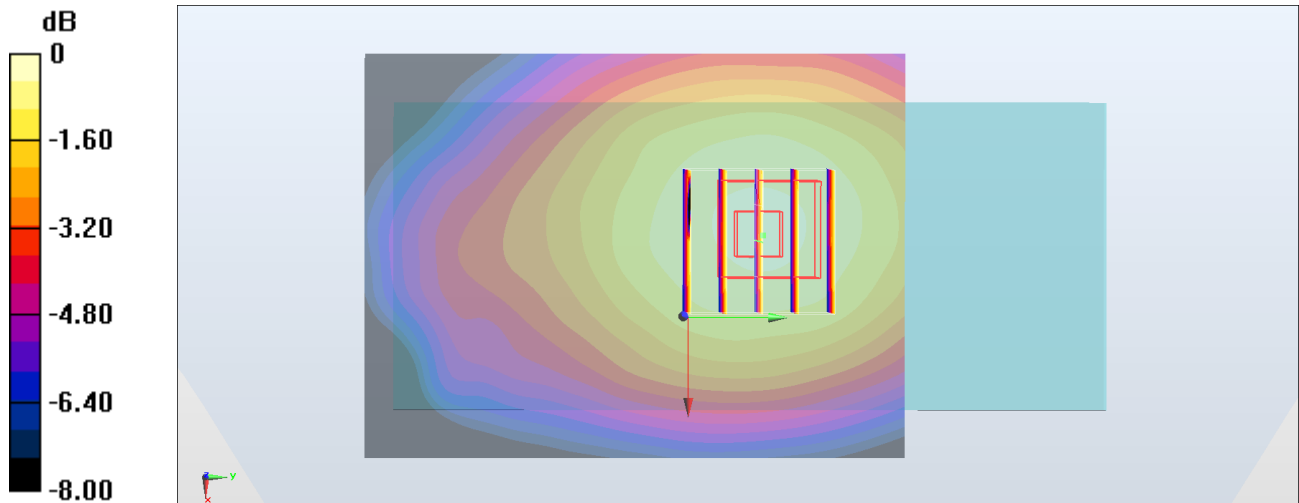
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.99 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.635 W/kg

**SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.261 W/kg**

Maximum value of SAR (measured) = 0.369 W/kg



0 dB = 0.369 W/kg = -4.33 dBW/kg



### #33\_GSM1900\_EDGE (4 Tx slots)\_Front\_15mm\_Ch661

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:2.08

Medium: HSL\_1900\_190719 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.404$  S/m;  $\epsilon_r = 40.327$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1880 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

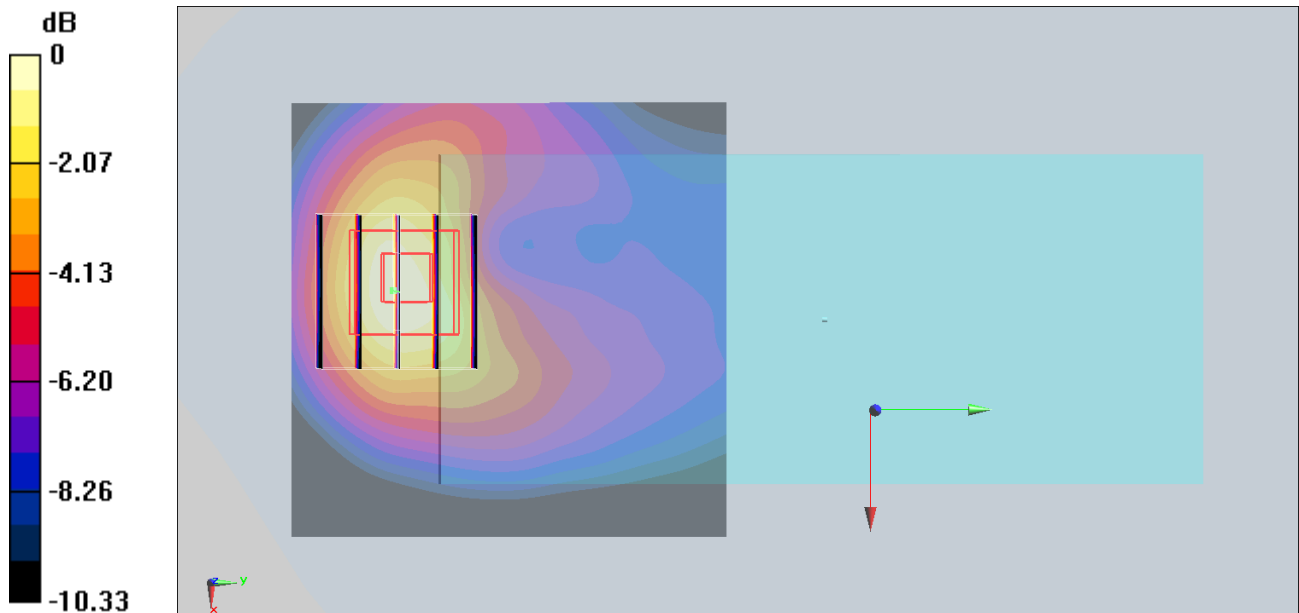
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.440 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.161 W/kg

**SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.061 W/kg**

Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg = -9.24 dBW/kg

### #34\_WCDMA II\_RMC 12.2Kbps\_Back\_15mm\_Ch9538

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

Medium: HSL\_1900\_190719 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 40.324$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1907.6 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.212 W/kg

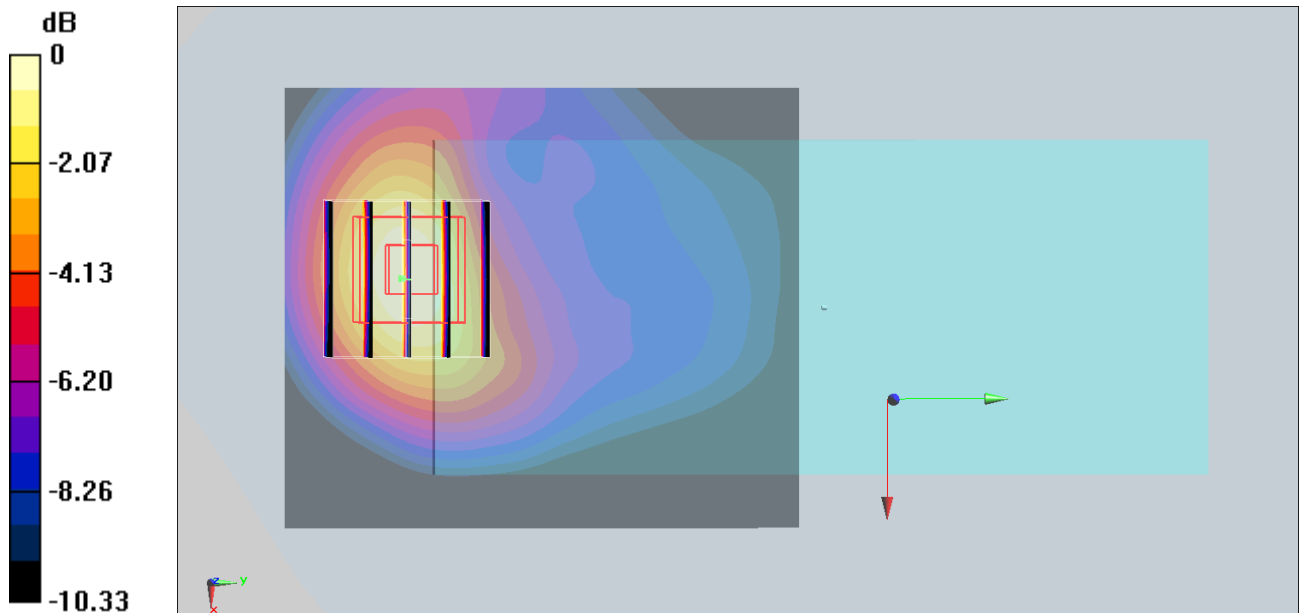
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.64 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.267 W/kg

**SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.102 W/kg**

Maximum value of SAR (measured) = 0.205 W/kg



0 dB = 0.205 W/kg = -6.88 dBW/kg

**#35\_WCDMA\_IV\_RMC\_12.2Kbps\_Back\_15mm\_Ch1413**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_190717 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.349$  S/m;  $\epsilon_r = 41.562$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(5.32, 5.32, 5.32) @ 1732.6 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.239 W/kg

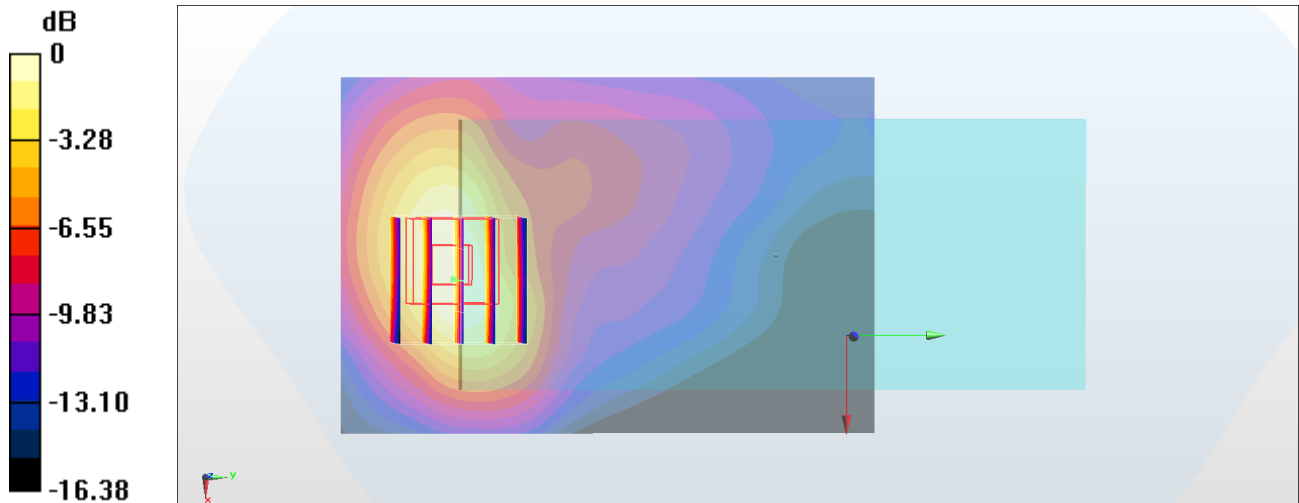
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.59 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.286 W/kg

**SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg = -6.62 dBW/kg

**#36\_WCDMA V\_RMC 12.2Kbps\_Back\_15mm\_Ch4182**

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

Medium: HSL\_850\_190715 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.875$  S/m;  $\epsilon_r = 43.173$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(6.28, 6.28, 6.28) @ 836.4 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.285 W/kg

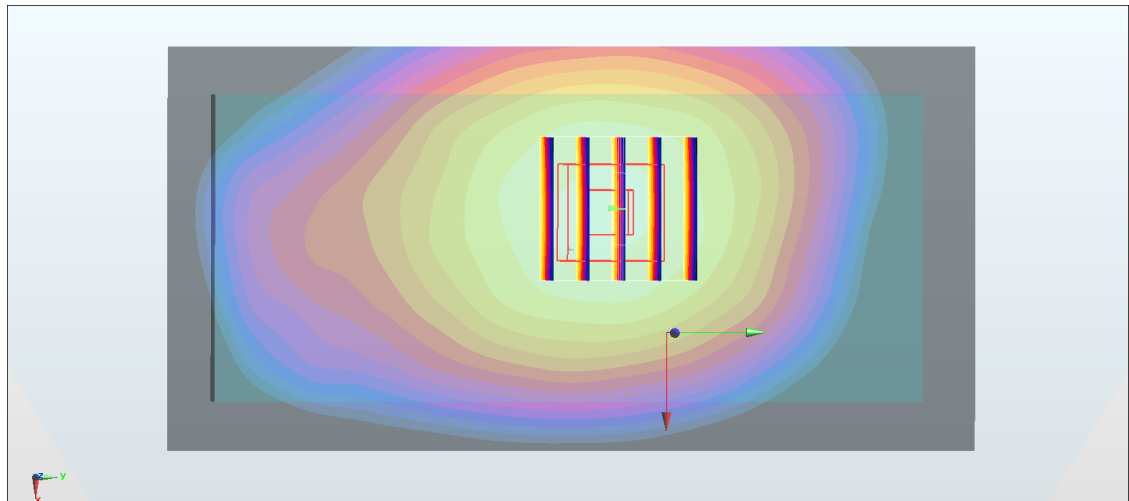
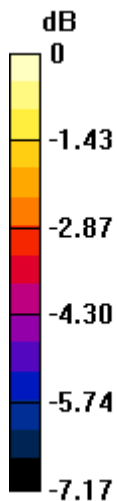
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.01 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.344 W/kg

**SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.218 W/kg**

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



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

**#37\_LTE Band 7\_20M\_QPSK\_50\_24\_Back\_15mm\_Ch20850**

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

Medium: HSL\_2600\_190718 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.877$  S/m;  $\epsilon_r = 38.613$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170;ConvF(4.63, 4.63, 4.63) @ 2510 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (71x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.188 W/kg

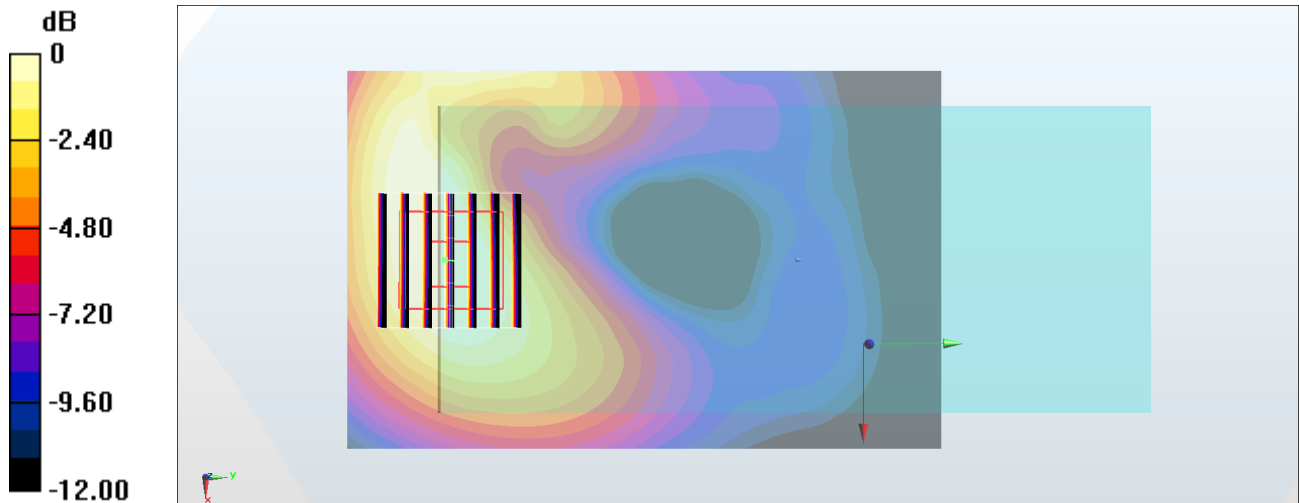
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.011 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.239 W/kg

**SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.073 W/kg**

Maximum value of SAR (measured) = 0.163 W/kg



0 dB = 0.163 W/kg = -7.88 dBW/kg

### #38\_LTE Band 12\_10M\_QPSK\_1\_49\_Back\_15mm\_Ch23095

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

Medium: HSL\_750\_190716 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.86$  S/m;  $\epsilon_r = 41.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration

- Probe: ES3DV3 - SN3170;ConvF(6.41, 6.41, 6.41) @ 707.5 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.229 W/kg

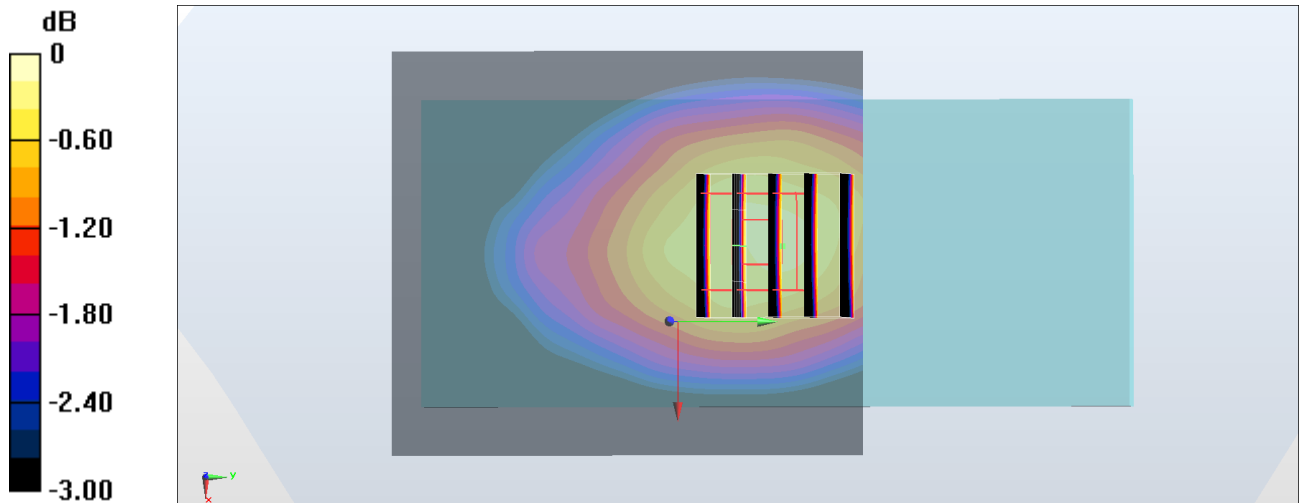
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.26 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.274 W/kg

**SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.182 W/kg**

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



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

**#39\_LTE Band 13\_10M\_QPSK\_1\_25\_Back\_15mm\_Ch23230**

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

Medium: HSL\_750\_190716 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.93$  S/m;  $\epsilon_r = 40.125$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170;ConvF(6.41, 6.41, 6.41) @ 782 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.372 W/kg

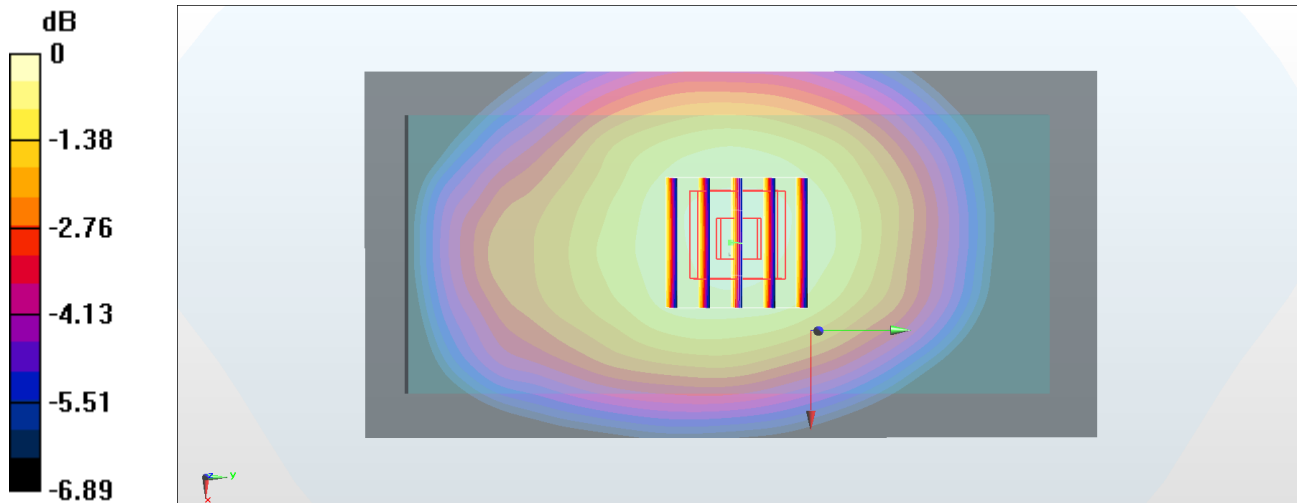
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.10 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.439 W/kg

**SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.265 W/kg**

Maximum value of SAR (measured) = 0.392 W/kg



0 dB = 0.392 W/kg = -4.07 dBW/kg

## #40\_LTE Band 25\_20M\_QPSK\_50\_24\_Back\_15mm\_Ch26590

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

Medium: HSL\_1900\_190719 Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 40.325$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) @ 1905 MHz; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1477
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.164 W/kg

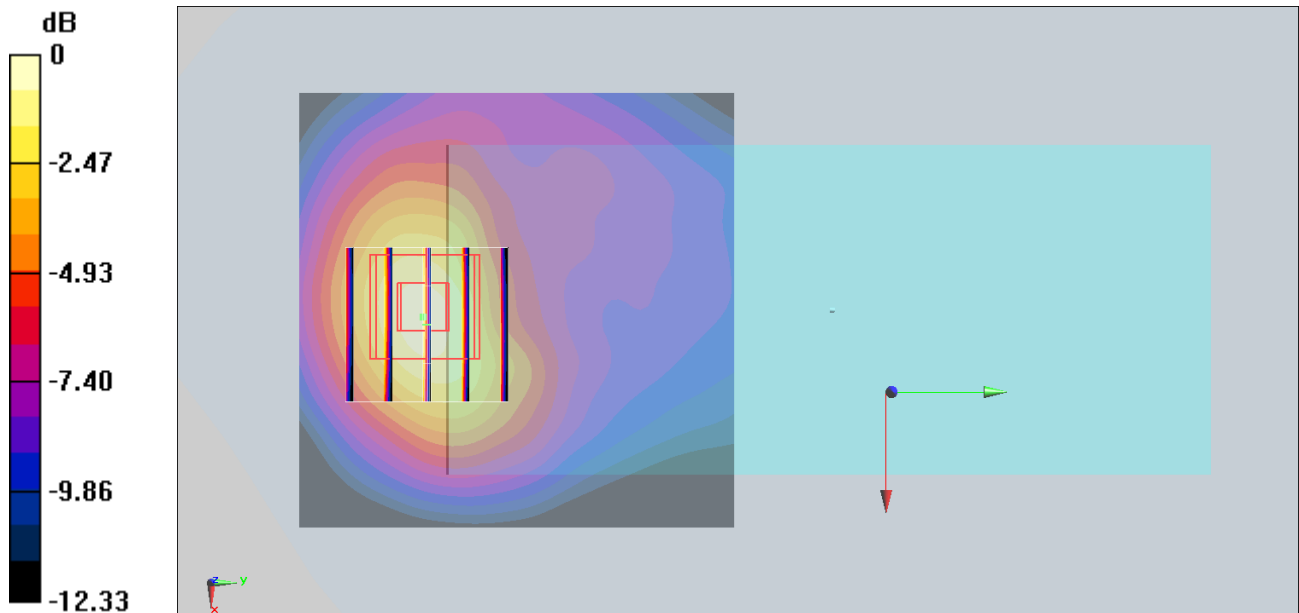
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.602 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.236 W/kg

**SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.091 W/kg**

Maximum value of SAR (measured) = 0.182 W/kg



0 dB = 0.182 W/kg = -7.40 dBW/kg



## #41\_LTE Band 26\_15M\_QPSK\_1\_0\_Back\_15mm\_Ch26865

Communication System: LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium: HSL\_850\_190715 Medium parameters used :  $f = 831.5$  MHz;  $\sigma = 0.87$  S/m;  $\epsilon_r = 43.232$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: ES3DV3 - SN3170;ConvF(6.28, 6.28, 6.28) @ 831.5 MHz;Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.258 W/kg

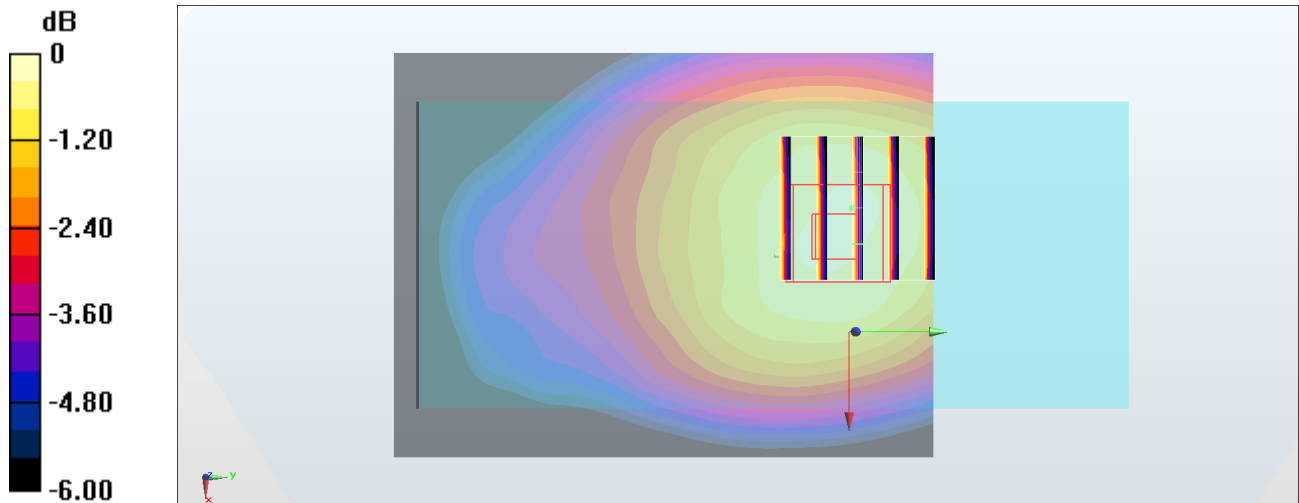
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.39 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.312 W/kg

**SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.199 W/kg**

Maximum value of SAR (measured) = 0.276 W/kg



0 dB = 0.276 W/kg = -5.59 dBW/kg

**#42\_LTE Band 66\_20M\_QPSK\_50\_0\_Back\_15mm\_Ch132572**

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

Medium: HSL\_1750\_190717 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.375$  S/m;  $\epsilon_r = 41.674$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3170; ConvF(5.32, 5.32, 5.32) @ 1770 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (61x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.246 W/kg

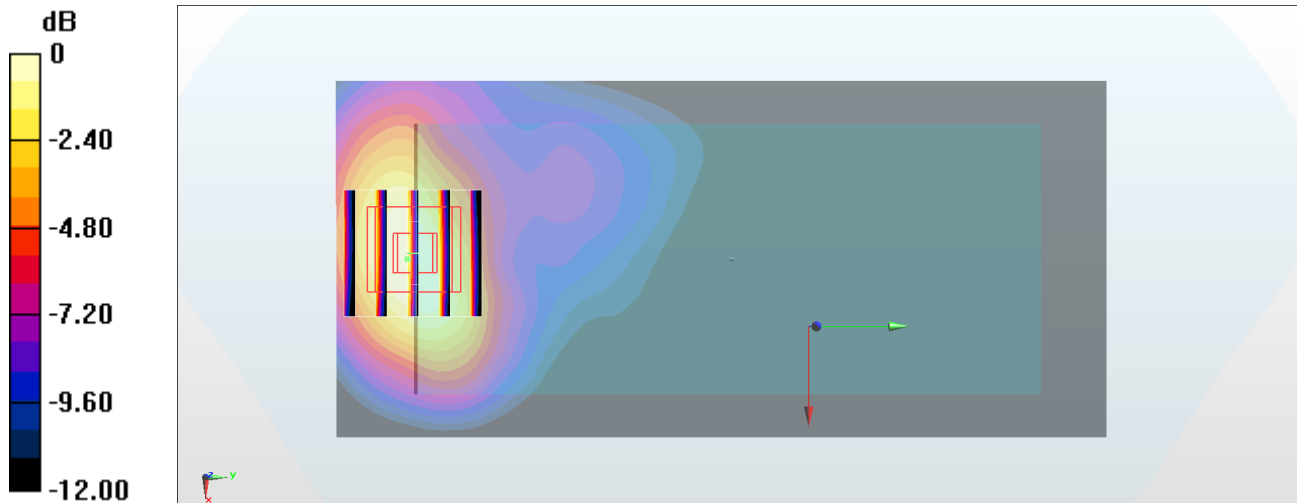
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.43 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.311 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.116 W/kg**

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



0 dB = 0.238 W/kg = -6.23 dBW/kg

## #43\_LTE Band 41\_20M\_QPSK\_50\_50\_Back\_15mm\_Ch39750

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

Medium: HSL\_2600\_190718 Medium parameters used :  $f = 2506$  MHz;  $\sigma = 1.874$  S/m;  $\epsilon_r = 38.627$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: ES3DV3 - SN3170; ConvF(4.63, 4.63, 4.63) @ 2506 MHz; Calibrated: 2018/11/2
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2019/1/3
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.197 W/kg

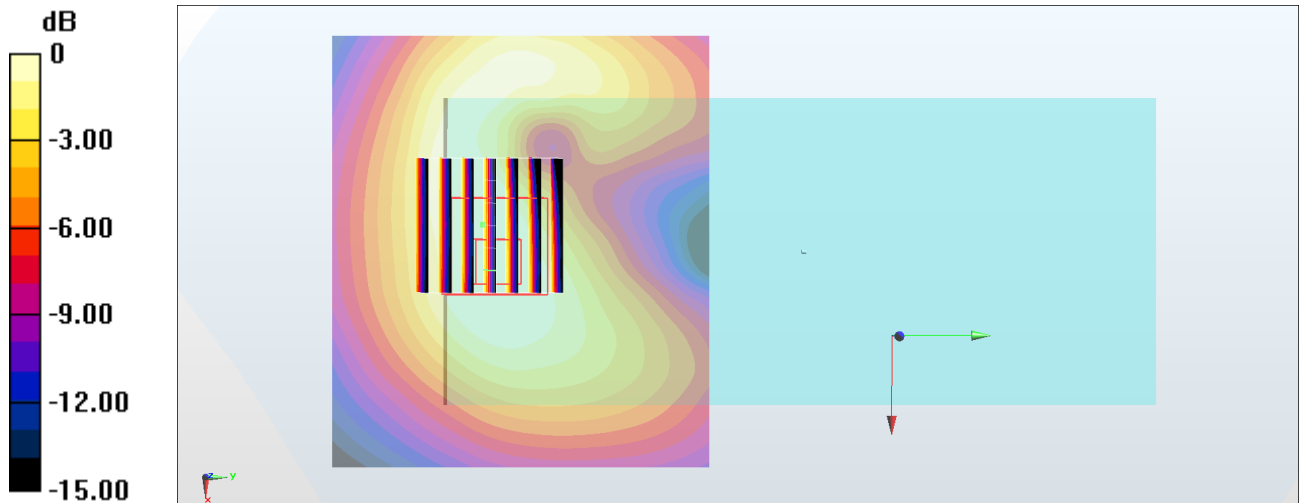
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.944 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.247 W/kg

**SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg = -7.85 dBW/kg

## #44\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_15mm\_Ch1

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.005

Medium: HSL\_2450\_190721 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.746$  S/m;  $\epsilon_r = 39.066$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(7.54, 7.54, 7.54) @ 2412 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0750 W/kg

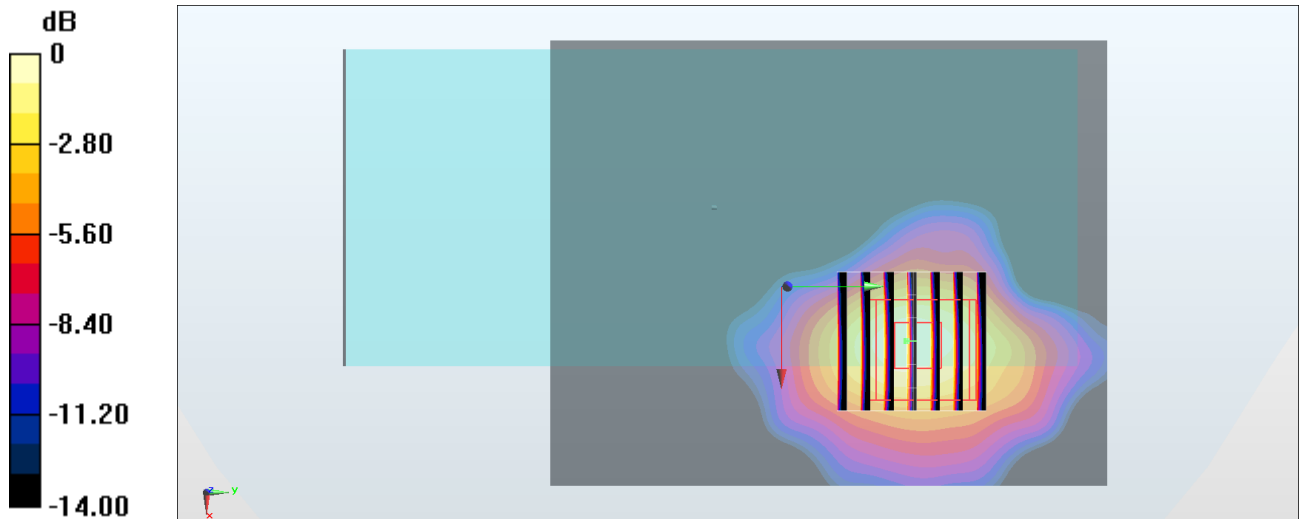
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.537 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0980 W/kg

**SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.023 W/kg**

Maximum value of SAR (measured) = 0.0777 W/kg



0 dB = 0.0777 W/kg = -11.10 dBW/kg

**#45\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_15mm\_Ch58**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.034

Medium: HSL\_5G\_190722 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.707$  S/m;  $\epsilon_r = 35.894$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(5.12, 5.12, 5.12) @ 5290 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.167 W/kg

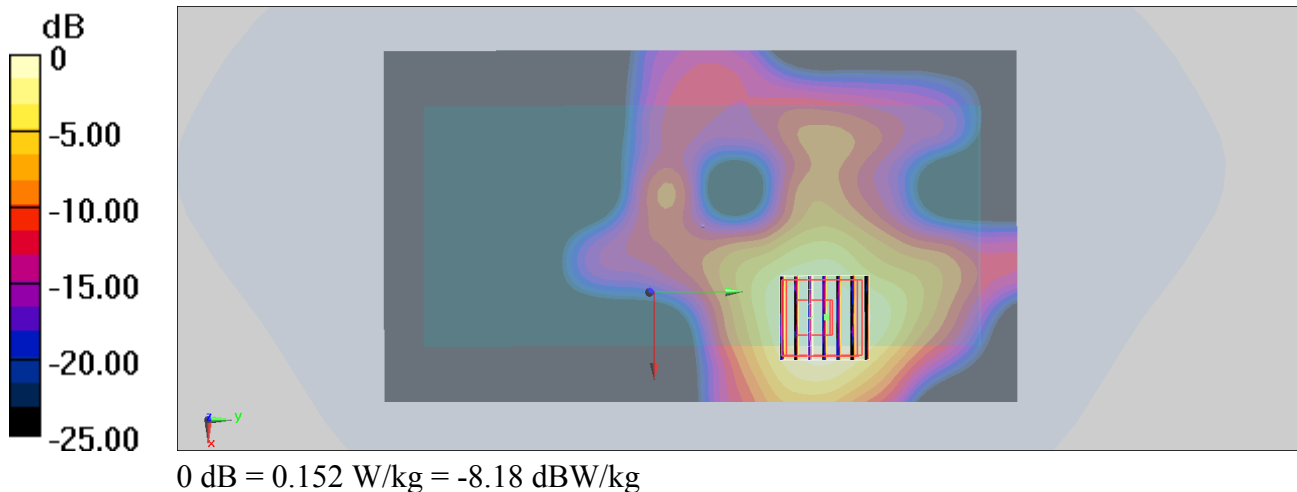
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.087 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.229 W/kg

**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.027 W/kg**

Maximum value of SAR (measured) = 0.152 W/kg



## #46\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Front\_15mm\_Ch122

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1.032

Medium: HSL\_5G\_190722 Medium parameters used:  $f = 5610$  MHz;  $\sigma = 5.034$  S/m;  $\epsilon_r = 35.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.47, 4.47, 4.47) @ 5610 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 0.134 W/kg

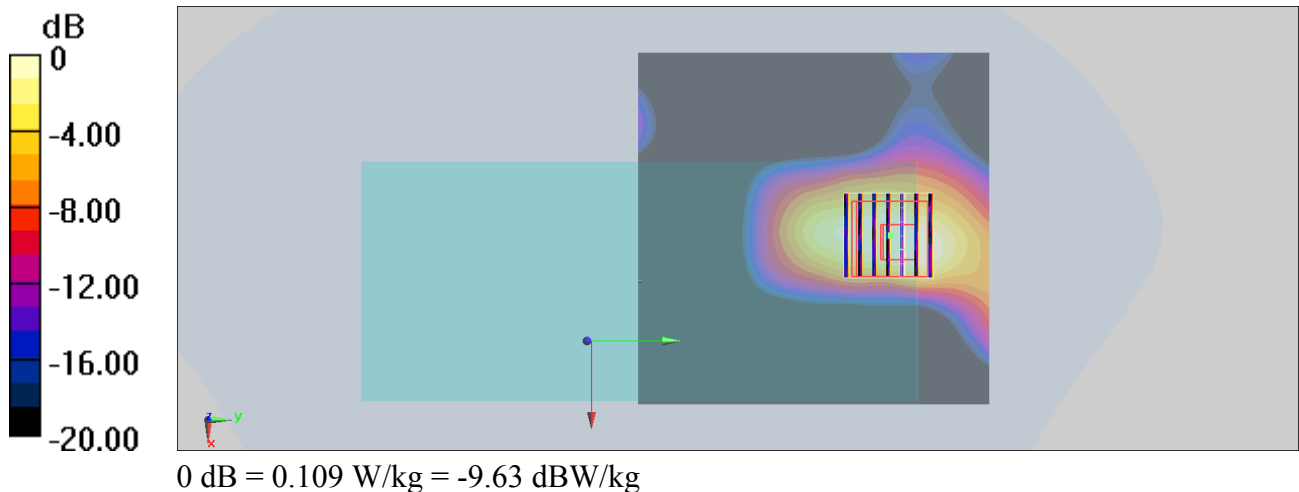
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.976 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.169 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.018 W/kg**

Maximum value of SAR (measured) = 0.109 W/kg



**#47\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_15mm\_Ch155**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.034

Medium: HSL\_5G\_190723 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.112$  S/m;  $\epsilon_r = 36.531$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.72, 4.72, 4.72) @ 5775 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.0662 W/kg

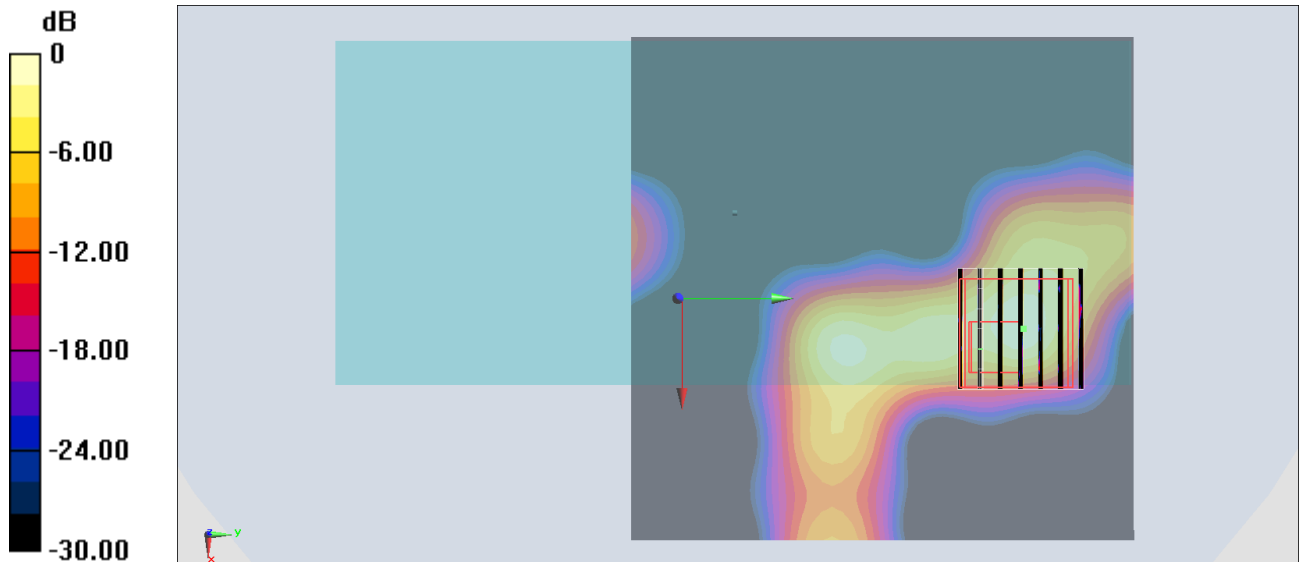
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.263 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.230 W/kg

**SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00534 W/kg**

Maximum value of SAR (measured) = 0.0692 W/kg



0 dB = 0.0692 W/kg = -11.60 dBW/kg

## #48\_Bluetooth\_1Mbps\_Back\_15mm\_Ch78

Communication System: Bluetooth ; Frequency: 2480 MHz;Duty Cycle: 1:1.301

Medium: HSL\_2450\_190721 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.821$  S/m;  $\epsilon_r = 38.789$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN3931;ConvF(7.54, 7.54, 7.54) @ 2480 MHz;Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Area Scan (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0393 W/kg

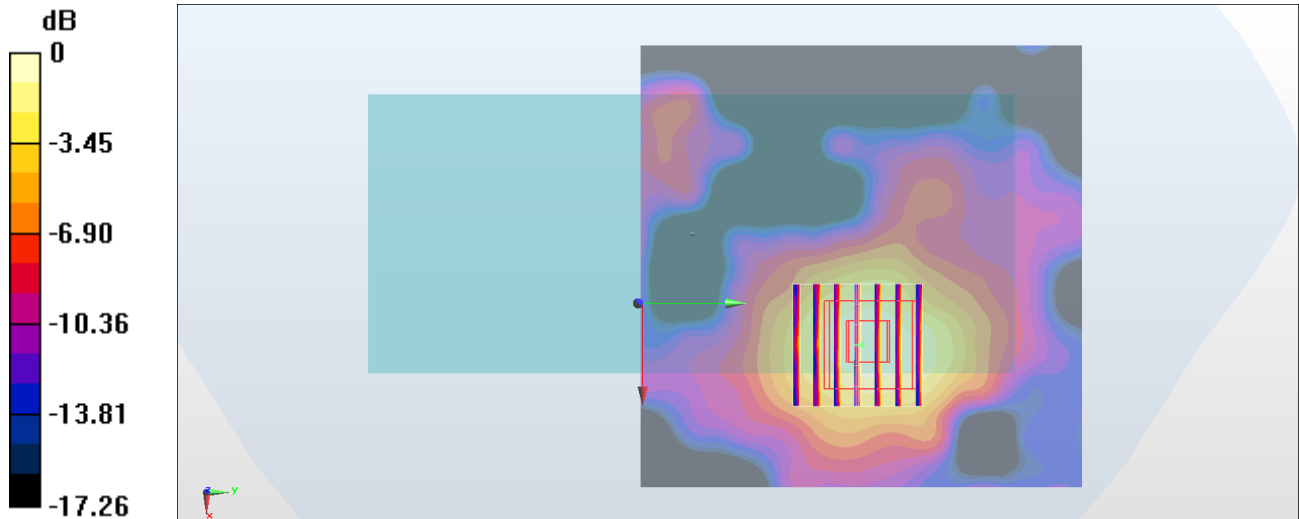
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.060 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0610 W/kg

**SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.008 W/kg**

Maximum value of SAR (measured) = 0.0387 W/kg



0 dB = 0.0387 W/kg = -14.12 dBW/kg



**#49\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch58**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.034

Medium: HSL\_5G\_190722 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.707$  S/m;  $\epsilon_r = 35.894$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(5.12, 5.12, 5.12) @ 5290 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 4.37 W/kg

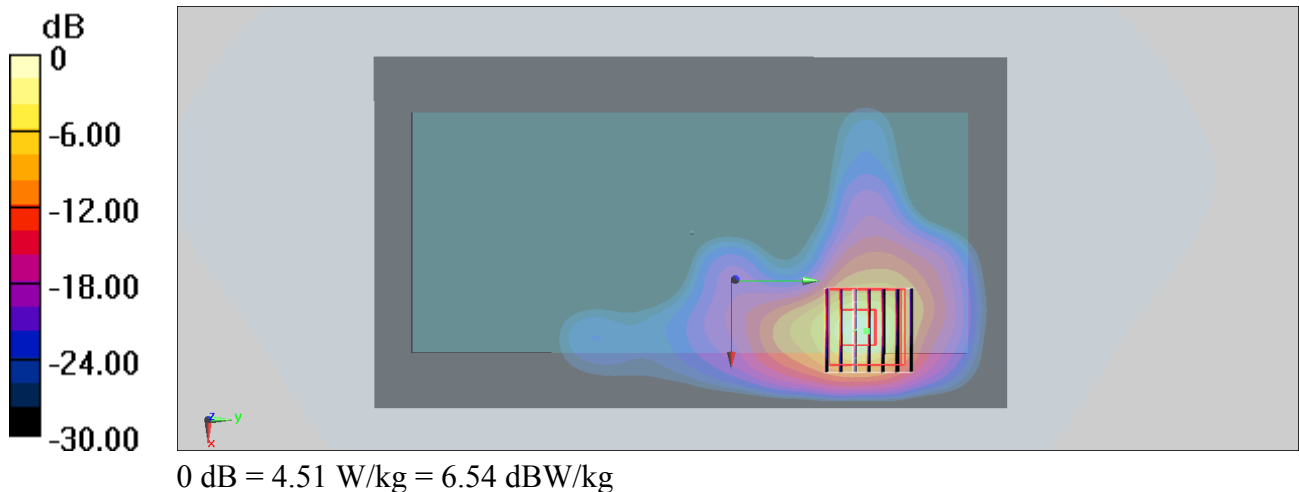
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 29.07 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 9.25 W/kg

**SAR(1 g) = 1.61 W/kg; SAR(10 g) = 0.380 W/kg**

Maximum value of SAR (measured) = 4.51 W/kg



**#50\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch122**

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1.034

Medium: HSL\_5G\_190722 Medium parameters used:  $f = 5610$  MHz;  $\sigma = 5.034$  S/m;  $\epsilon_r = 35.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.47, 4.47, 4.47) @ 5610 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Right; Type: SAM; Serial: TP:1479
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 2.38 W/kg

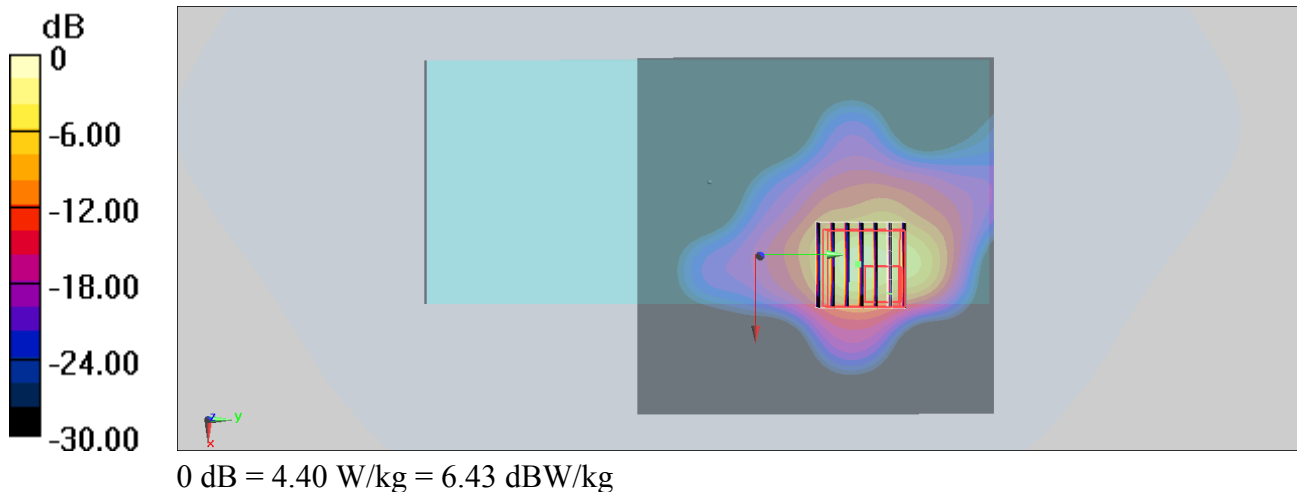
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.72 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 9.05 W/kg

**SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.378 W/kg**

Maximum value of SAR (measured) = 4.40 W/kg



## #51\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch155

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.034

Medium: HSL\_5G\_190723 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.112$  S/m;  $\epsilon_r = 36.531$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(4.72, 4.72, 4.72) @ 5775 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1801
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.61 W/kg

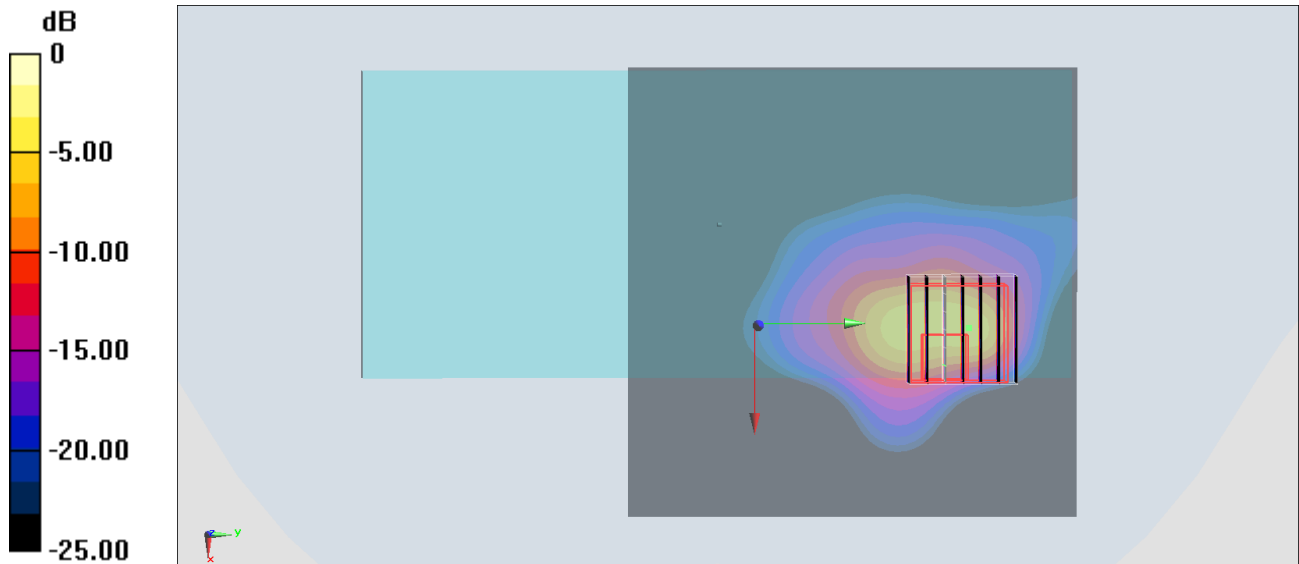
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.668 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 10.9 W/kg

**SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.302 W/kg**

Maximum value of SAR (measured) = 5.19 W/kg



0 dB = 5.19 W/kg = 7.15 dBW/kg