

**#01\_GSM850\_GPRS (4 Tx slots)\_Right Cheek\_Ch251**

Communication System: GSM850 ; Frequency: 848.8 MHz; Duty Cycle: 1:2.08

Medium: HSL\_850\_181130 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.916$  S/m;  $\epsilon_r = 43.092$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(10.07, 10.07, 10.07) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.971 W/kg

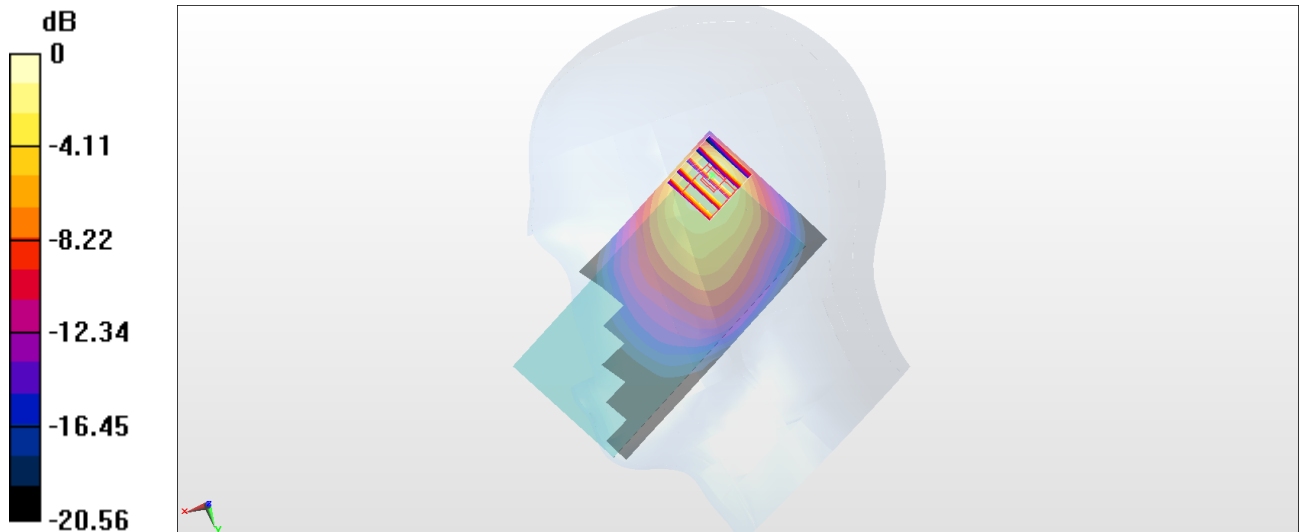
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.91 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.257 W/kg**

Maximum value of SAR (measured) = 0.761 W/kg



0 dB = 0.761 W/kg = -1.19 dBW/kg

**#02\_GSM1900\_GPRS (4 Tx slots)\_Right Cheek\_Ch512**

Communication System: PCS ; Frequency: 1850.2 MHz; Duty Cycle: 1:2.08

Medium: HSL\_1900\_181203 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.385$  S/m;  $\epsilon_r = 39.806$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

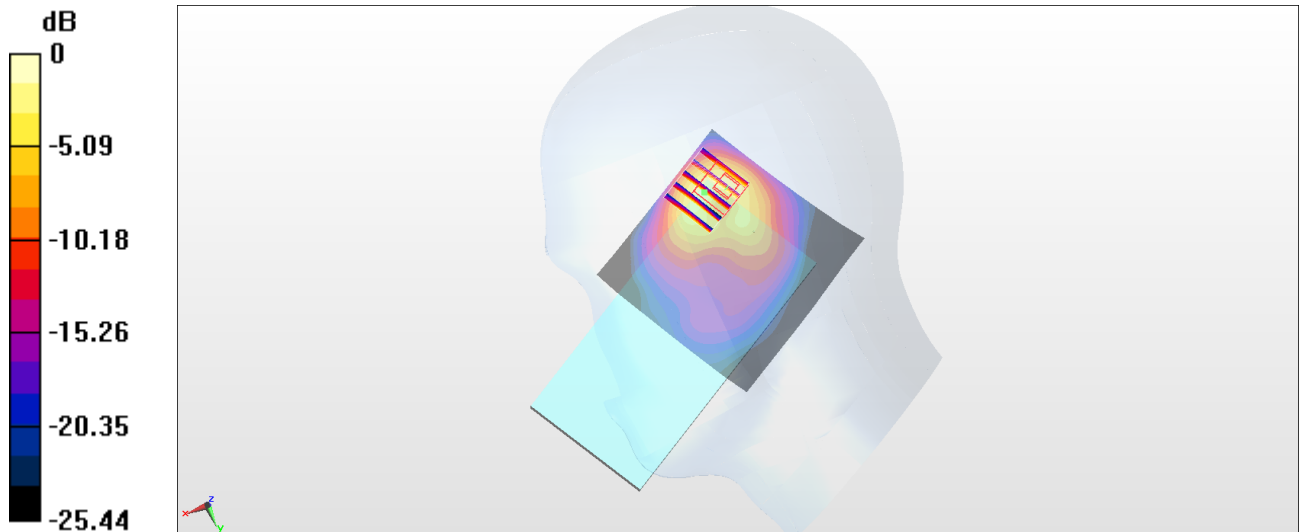
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.49 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 0.877 W/kg; SAR(10 g) = 0.372 W/kg**

Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

**#03\_WCDMA II\_RMC 12.2Kbps\_Right Cheek\_Ch9262**

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

Medium: HSL\_1900\_181203 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.387$  S/m;  $\epsilon_r = 39.795$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

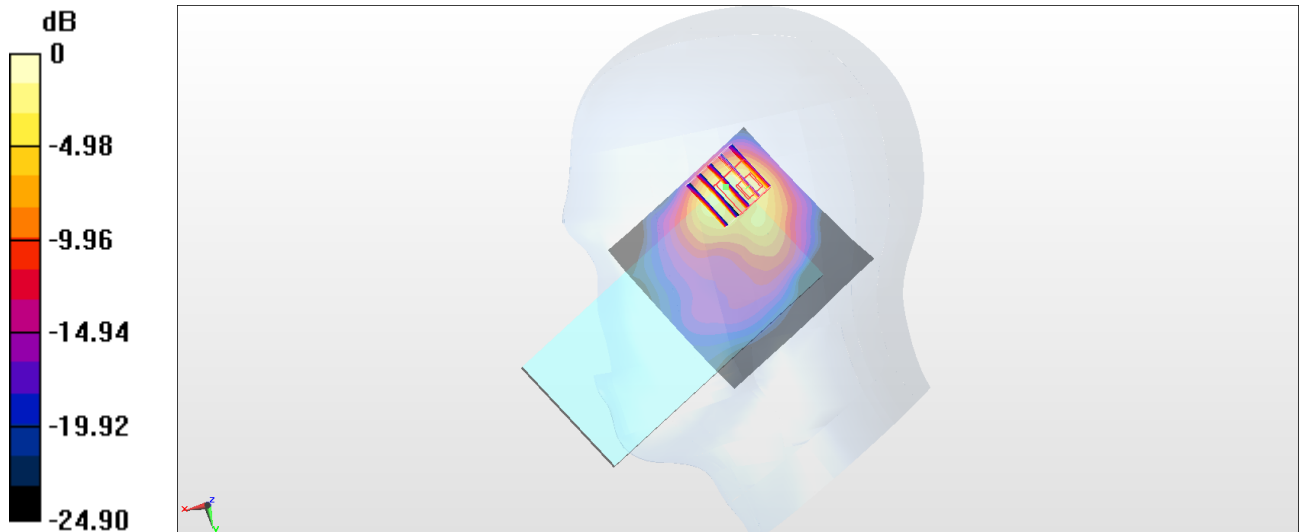
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.41 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.361 W/kg**

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



0 dB = 1.61 W/kg = 2.07 dBW/kg

**#04\_WCDMA IV\_RMC 12.2Kbps\_Right Tilted\_Ch1312**

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

Medium: HSL\_1750\_181201 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 40.701$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(8.62, 8.62, 8.62) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.603 W/kg

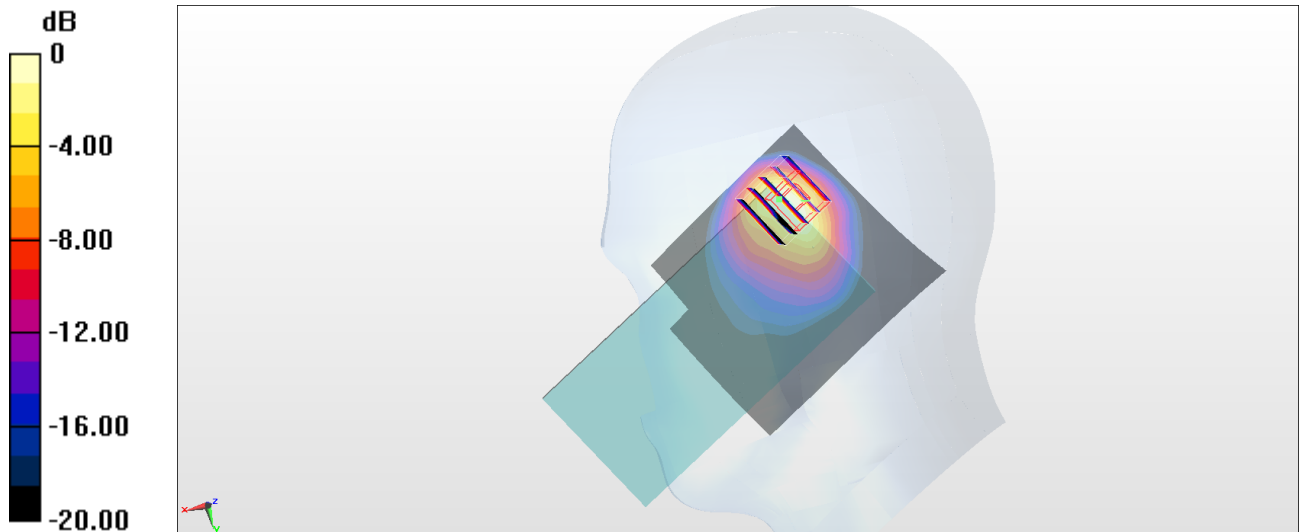
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.37 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.816 W/kg

**SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.158 W/kg**

Maximum value of SAR (measured) = 0.596 W/kg



0 dB = 0.596 W/kg = -2.25 dBW/kg

**#05\_WCDMA V\_RMC 12.2Kbps\_Right Cheek\_Ch4233**

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

Medium: HSL\_850\_181128 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.879$  S/m;  $\epsilon_r = 41.242$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931;ConvF(10.07, 10.07, 10.07) ;Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.855 W/kg

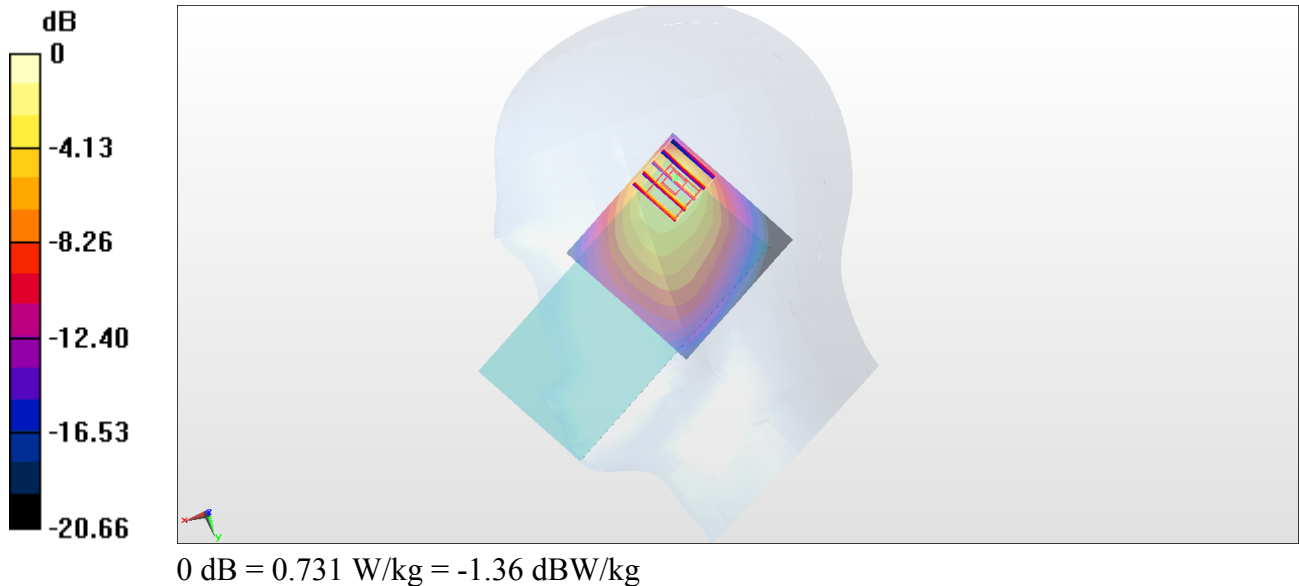
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.78 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.962 W/kg

**SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.221 W/kg**

Maximum value of SAR (measured) = 0.731 W/kg



**#06\_LTE Band 2\_20M\_QPSK\_50\_24\_Right Cheek\_Ch19100**

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_181203 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.431$  S/m;  $\epsilon_r = 39.593$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.27 W/kg

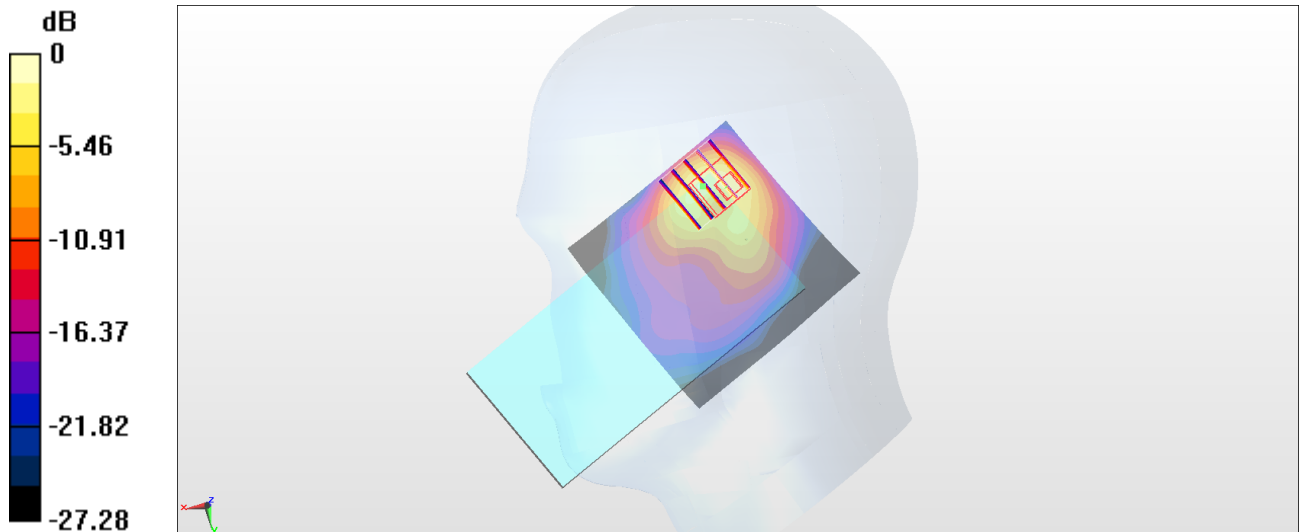
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.71 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.21 W/kg

**SAR(1 g) = 0.958 W/kg; SAR(10 g) = 0.394 W/kg**

Maximum value of SAR (measured) = 1.81 W/kg



0 dB = 1.81 W/kg = 2.58 dBW/kg

**#07\_LTE Band 4\_20M\_QPSK\_1\_0\_Right Tilted\_Ch20175**

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

Medium: HSL\_1750\_181201 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.364$  S/m;  $\epsilon_r = 40.607$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(8.62, 8.62, 8.62) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.606 W/kg

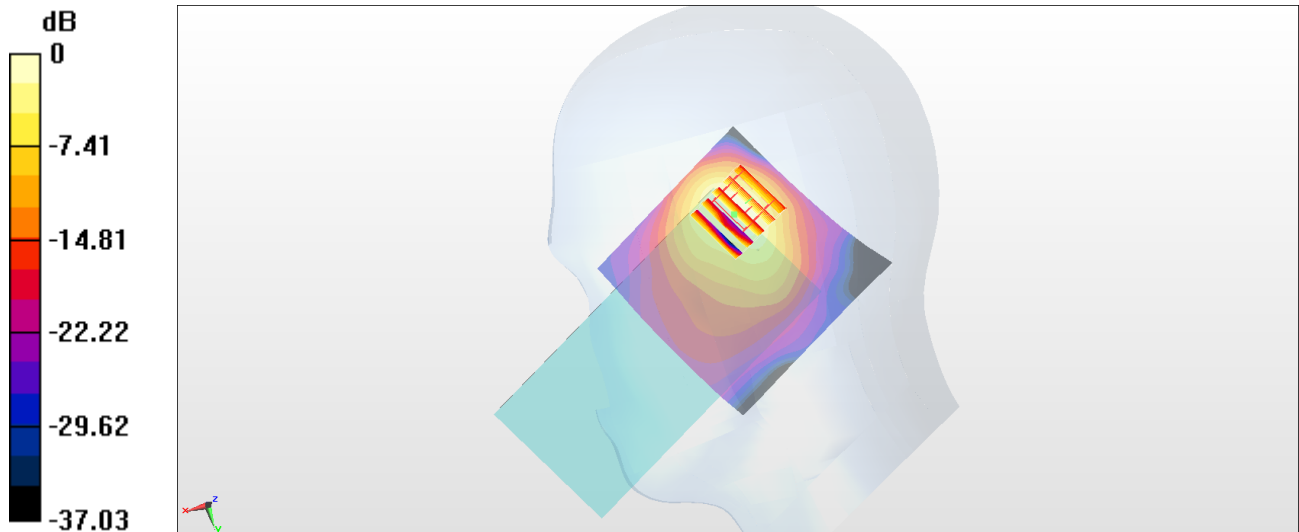
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.58 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.833 W/kg

**SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.169 W/kg**

Maximum value of SAR (measured) = 0.632 W/kg



0 dB = 0.632 W/kg = -1.99 dBW/kg

**#08\_LTE Band 12\_10M\_QPSK\_1\_25\_Right Cheek\_Ch23095**

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

Medium: HSL\_750\_181130 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.852$  S/m;  $\epsilon_r = 43.546$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(10.54, 10.54, 10.54) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.58 W/kg

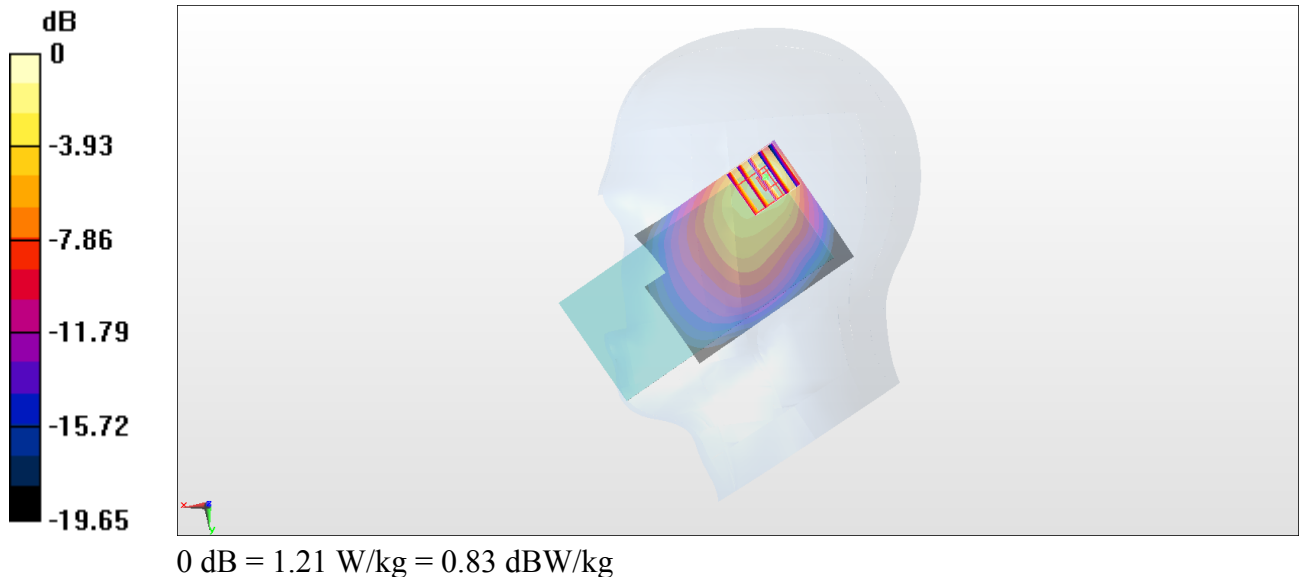
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.28 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.71 W/kg

**SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.376 W/kg**

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



**#09\_LTE Band 13\_10M\_QPSK\_1\_0\_Right Cheek\_Ch23230**

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

Medium: HSL\_750\_181128 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.921 \text{ S/m}$ ;  $\epsilon_r = 41.78$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4^\circ\text{C}$ ; Liquid Temperature :  $22.4^\circ\text{C}$

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931;ConvF(10.54, 10.54, 10.54) ;Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.777 \text{ W/kg}$

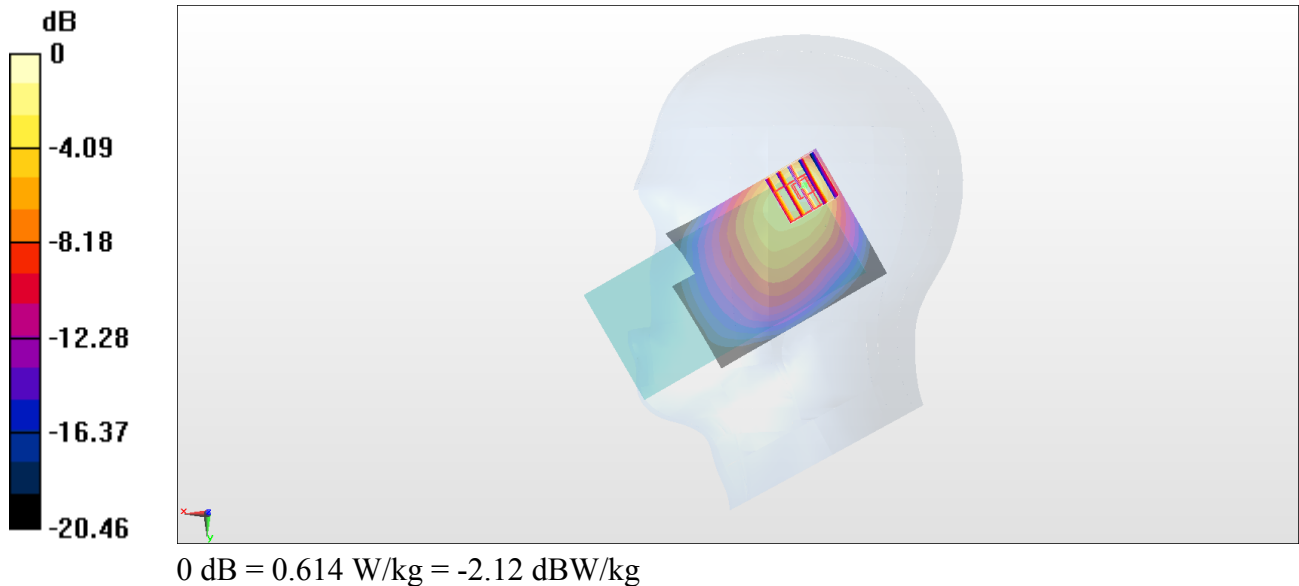
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $19.65 \text{ V/m}$ ; Power Drift =  $-0.18 \text{ dB}$

Peak SAR (extrapolated) =  $0.800 \text{ W/kg}$

**SAR(1 g) =  $0.331 \text{ W/kg}$ ; SAR(10 g) =  $0.186 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.614 \text{ W/kg}$



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

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

Medium: HSL\_850\_181130 Medium parameters used :  $f = 831.5$  MHz;  $\sigma = 0.9$  S/m;  $\epsilon_r = 43.313$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(10.07, 10.07, 10.07) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.52 W/kg

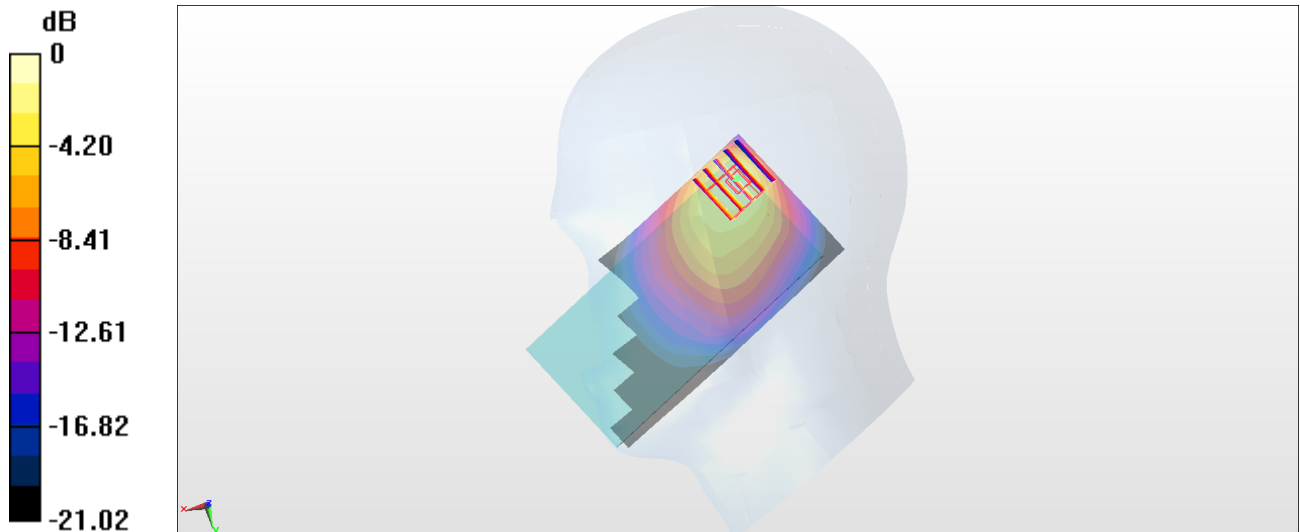
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.37 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.393 W/kg**

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



0 dB = 1.25 W/kg = 0.97 dBW/kg

**#11\_LTE Band 38\_20M\_QPSK\_1\_0\_Right Cheek\_Ch38000**

Communication System: LTE; Frequency: 2595 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_181202 Medium parameters used :  $f = 2595$  MHz;  $\sigma = 2.022$  S/m;  $\epsilon_r = 38.679$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.3, 7.3, 7.3) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (91x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 1.37 W/kg

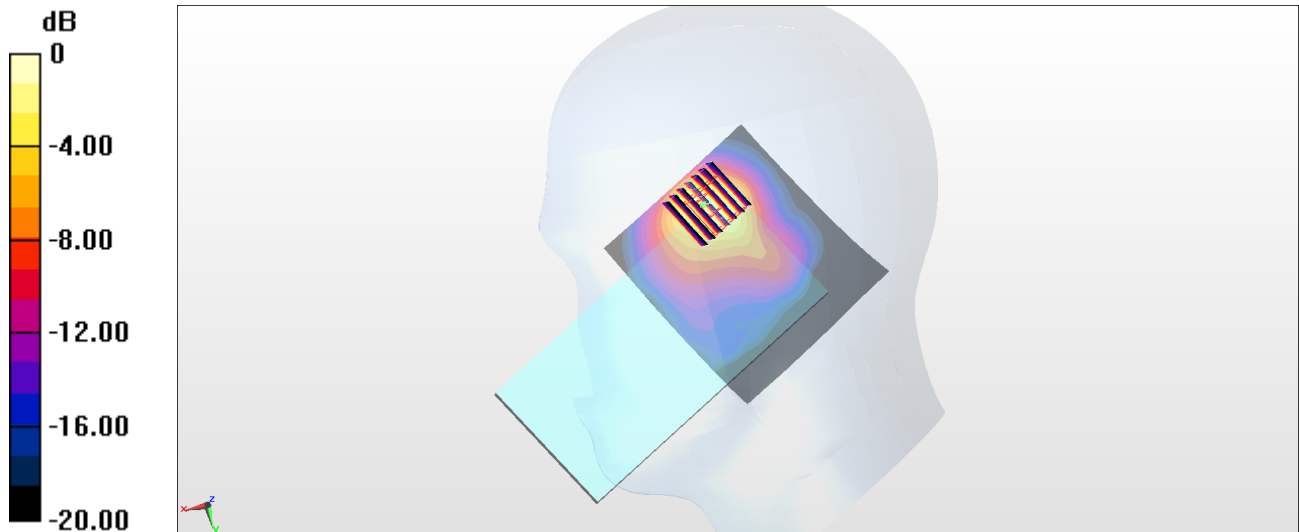
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.14 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.82 W/kg

**SAR(1 g) = 0.765 W/kg; SAR(10 g) = 0.351 W/kg**

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg

**#12\_LTE Band 41\_20M\_QPSK\_1\_0\_Right Cheek\_Ch40620**

Communication System: LTE; Frequency: 2593 MHz; Duty Cycle: 1:1.59

Medium: HSL\_2600\_181202 Medium parameters used :  $f = 2593$  MHz;  $\sigma = 2.02$  S/m;  $\epsilon_r = 38.685$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.3, 7.3, 7.3) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (91x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 1.23 W/kg

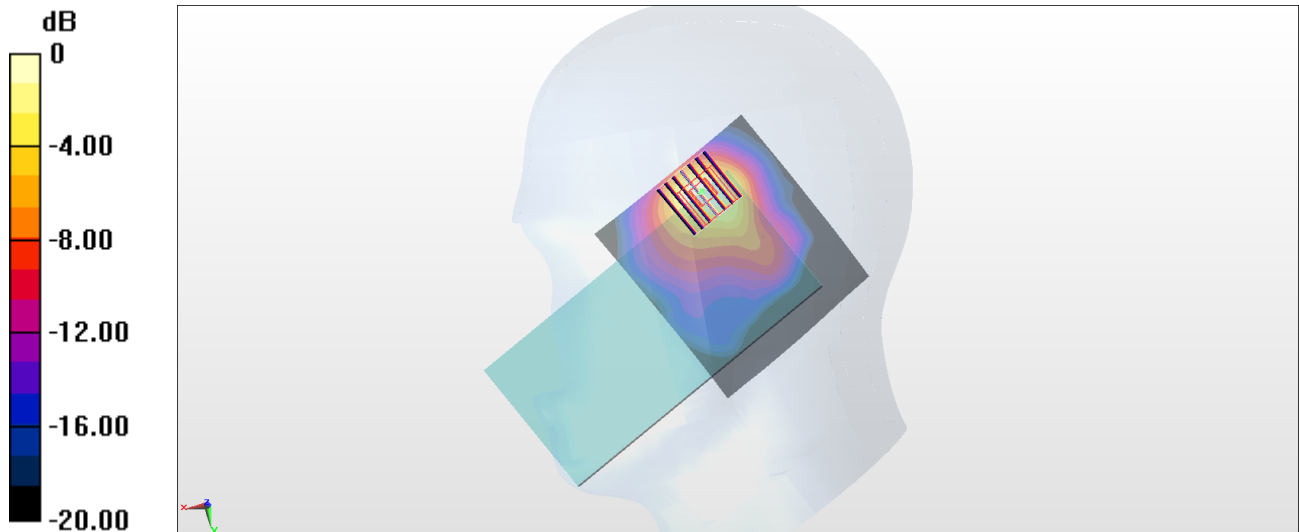
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 14.58 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.66 W/kg

**SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.321 W/kg**

Maximum value of SAR (measured) = 1.23 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

**#13\_WLAN2.4GHz\_802.11b 1Mbps\_Left Cheek\_Ch11;Ant 5**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: HSL\_2450\_181204 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.805$  S/m;  $\epsilon_r = 40.014$ ;  $\rho = 1000$  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 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 (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

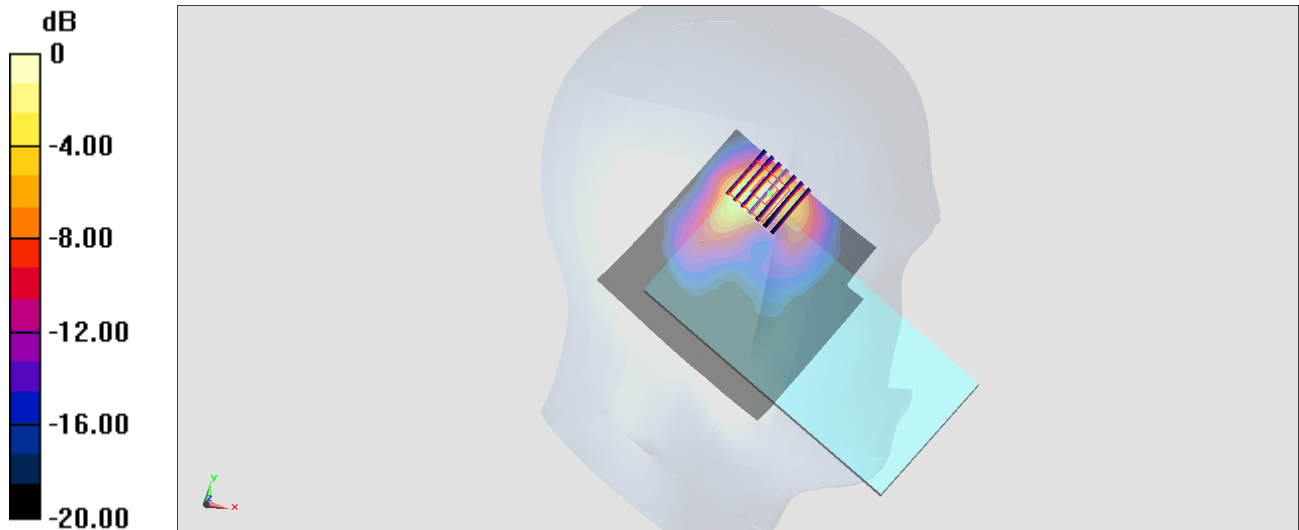
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.47 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.998 W/kg

**SAR(1 g) = 0.410 W/kg; SAR(10 g) = 0.173 W/kg**

Maximum value of SAR (measured) = 0.763 W/kg



0 dB = 0.763 W/kg = -1.17 dBW/kg

**#14\_WLAN5GHz\_802.11n-HT40 MCS0\_Left Tilted\_Ch62;Ant 4+5**

Communication System: 802.11n; Frequency: 5310 MHz; Duty Cycle: 1:1.043

Medium: HSL\_5G\_181204 Medium parameters used:  $f = 5310$  MHz;  $\sigma = 4.574$  S/m;  $\epsilon_r = 35.425$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.56, 5.56, 5.56) @ 5310 MHz; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (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 (101x81x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

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

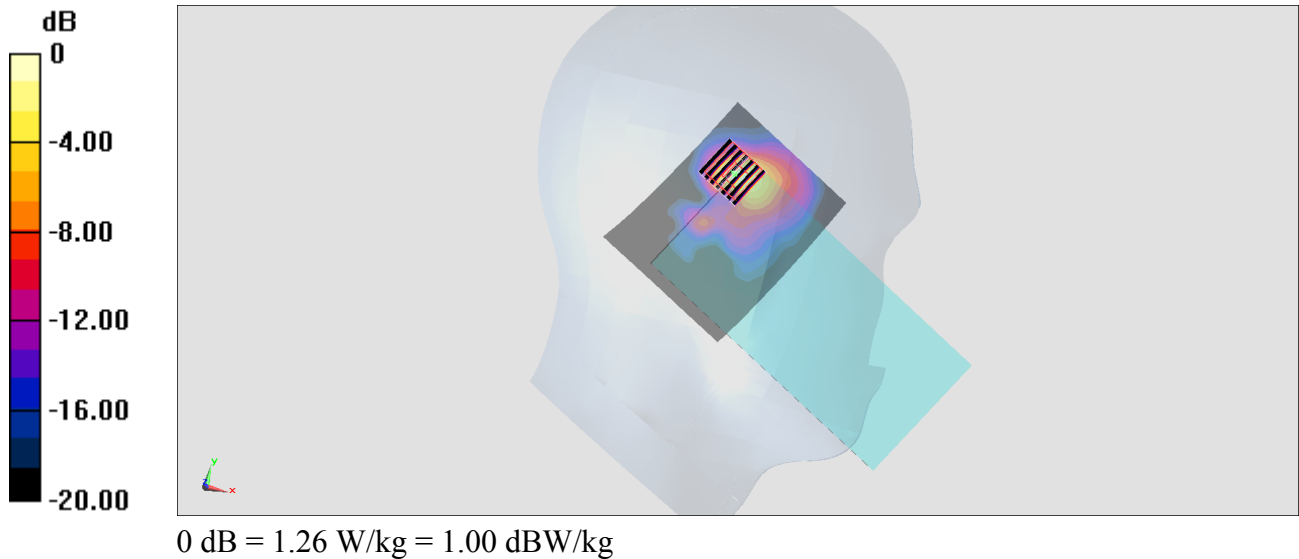
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 9.330 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.07 W/kg

**SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.135 W/kg**

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



**#15\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Left Tilted\_Ch122;Ant 4+5**

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1.079

Medium: HSL\_5G\_181204 Medium parameters used:  $f = 5610$  MHz;  $\sigma = 4.878$  S/m;  $\epsilon_r = 35.026$ ;  $\rho = 1000$  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 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 (101x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.60 W/kg

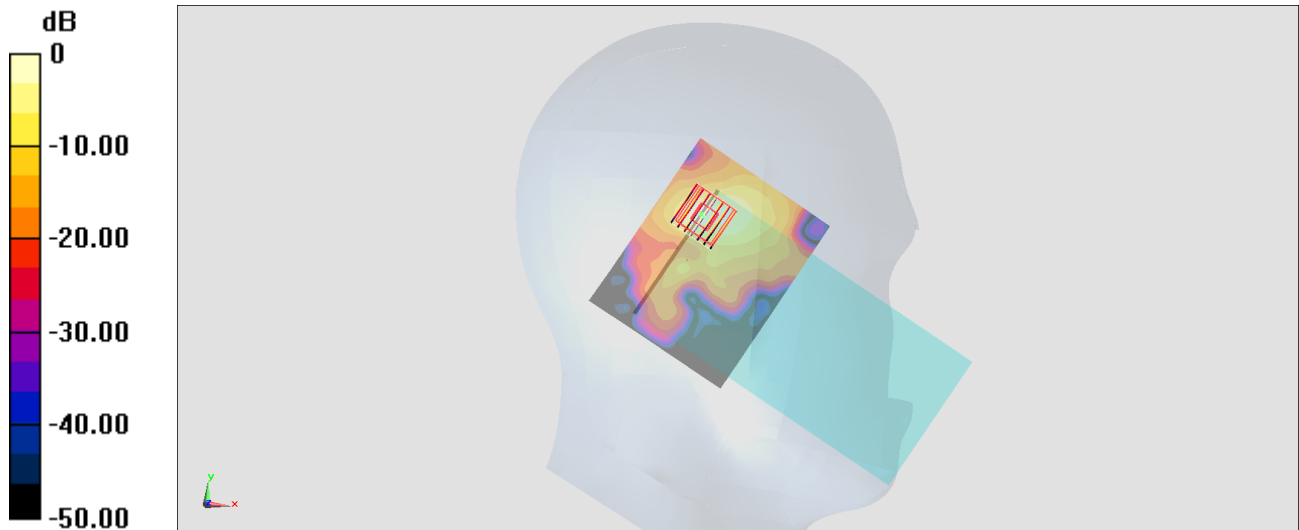
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.18 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.99 W/kg

**SAR(1 g) = 0.638 W/kg; SAR(10 g) = 0.172 W/kg**

Maximum value of SAR (measured) = 1.81 W/kg



0 dB = 1.81 W/kg = 2.58 dBW/kg

**#16\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Left Cheek\_Ch155;Ant 4+5**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.079

Medium: HSL\_5G\_181204 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.051$  S/m;  $\epsilon_r = 34.816$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °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 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 (101x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.15 W/kg

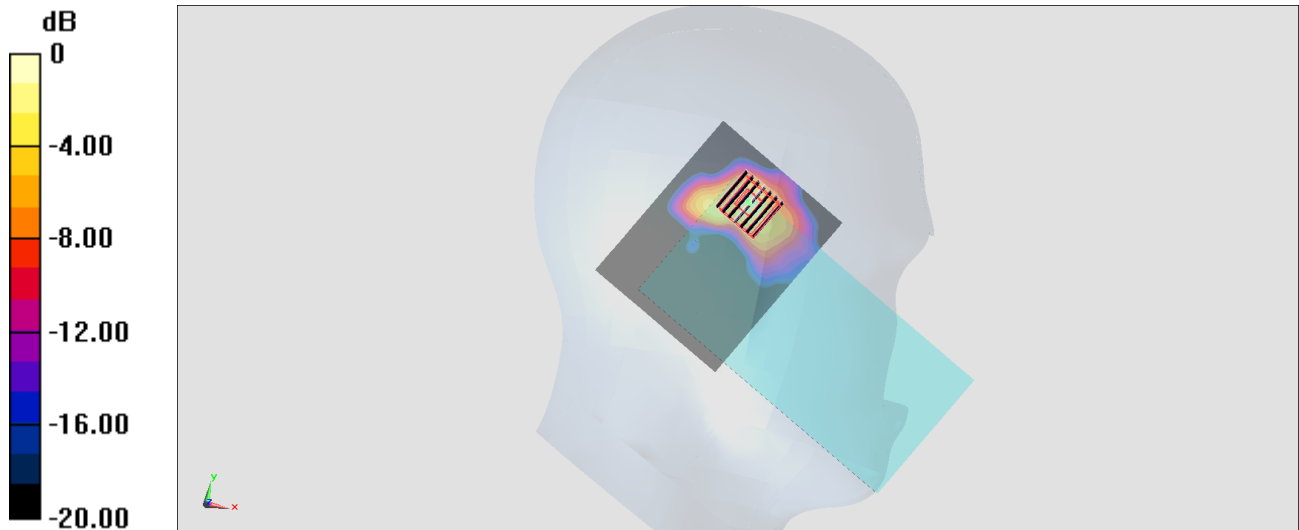
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.83 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.42 W/kg

**SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.156 W/kg**

Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

**#17\_Bluetooth\_1Mbps\_Left Cheek\_Ch00;Ant 4**

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.301

Medium: HSL\_2450\_181110 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.73$  S/m;  $\epsilon_r = 39.637$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.54, 7.54, 7.54) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (91x161x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.893 W/kg

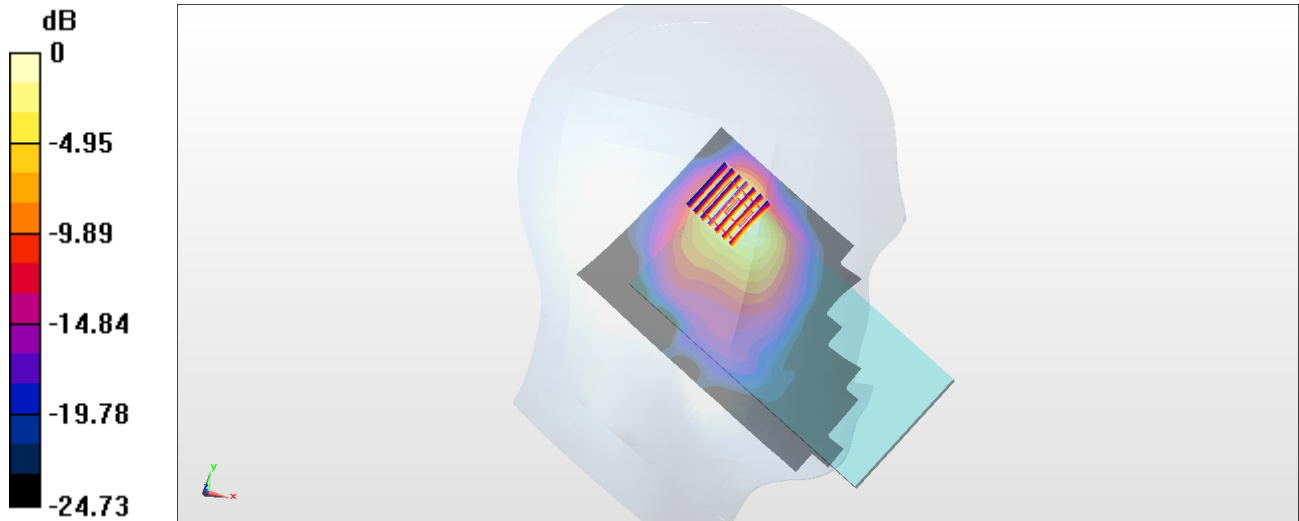
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.634 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.988 W/kg

**SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.230 W/kg**

Maximum value of SAR (measured) = 0.745 W/kg



0 dB = 0.745 W/kg = -1.28 dBW/kg

**#18\_GSM850\_GPRS (4 Tx slots)\_Back\_10mm\_Ch251**

Communication System: GSM850 ; Frequency: 848.8 MHz; Duty Cycle: 1:2.08

Medium: MSL\_850\_181126 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.977$  S/m;  $\epsilon_r = 56.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(9.92, 9.92, 9.92) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.333 W/kg

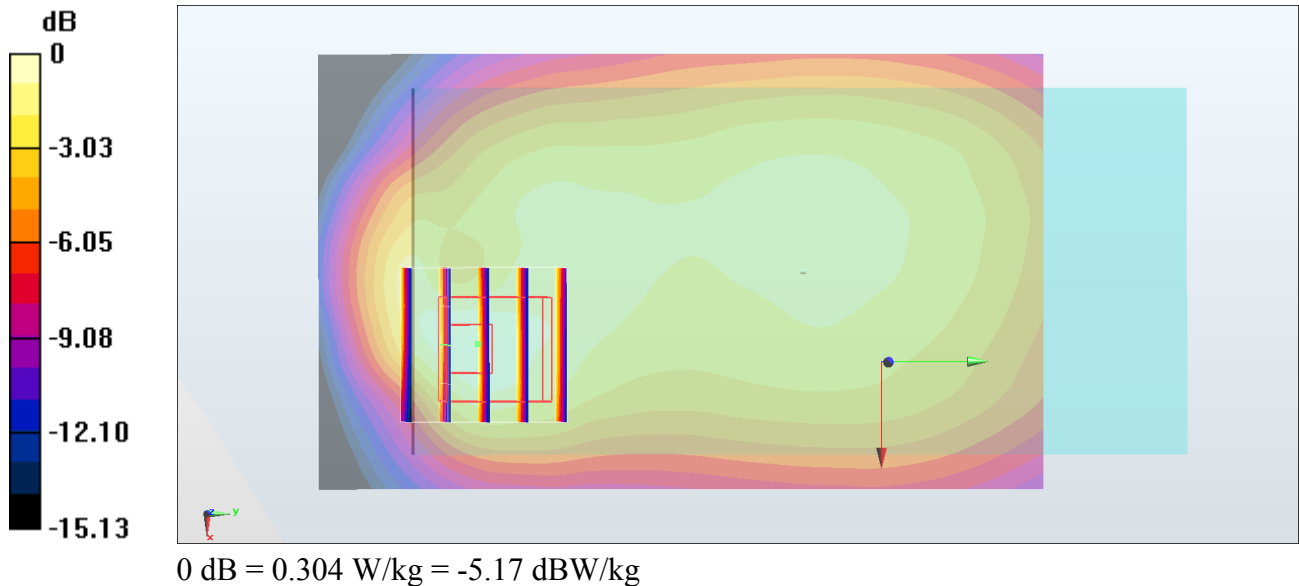
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.669 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.118 W/kg**

Maximum value of SAR (measured) = 0.304 W/kg



**#19\_GSM1900\_GPRS (4 Tx slots)\_Bottom Side\_10mm\_Ch810**

Communication System: PCS ; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08

Medium: MSL\_1900\_181206 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.57$  S/m;  $\epsilon_r = 53.843$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(4.8, 4.8, 4.8) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 (31x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.321 W/kg

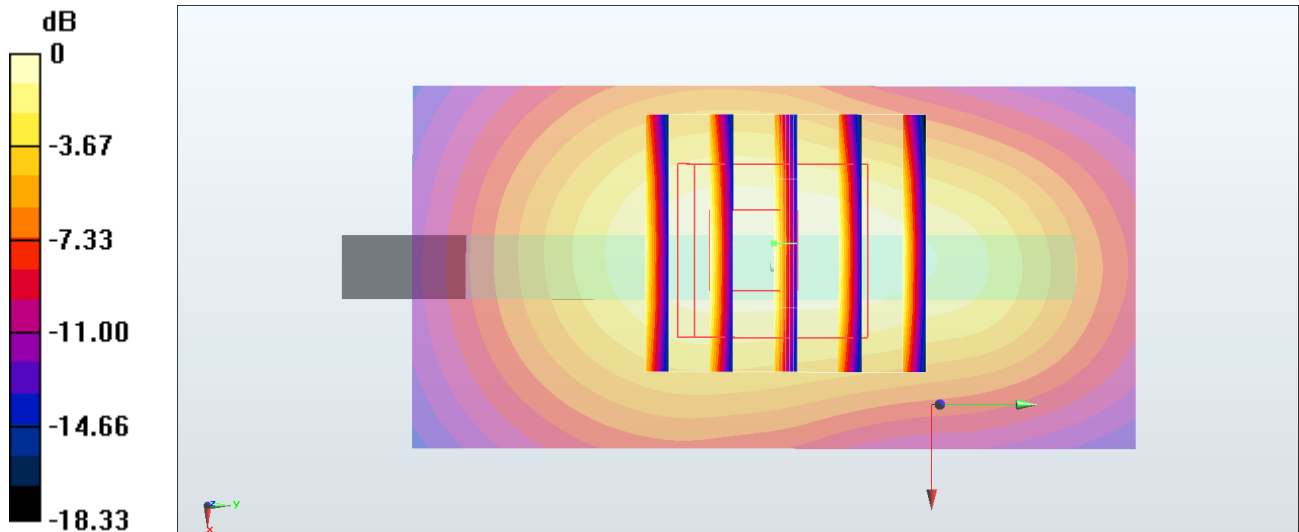
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.56 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.440 W/kg

**SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.145 W/kg**

Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg = -5.04 dBW/kg

**#20\_WCDMA II\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch9262**

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

Medium: MSL\_1900\_181206 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 54.077$ ;  $\rho = 1000$  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) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 (31x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.12 W/kg

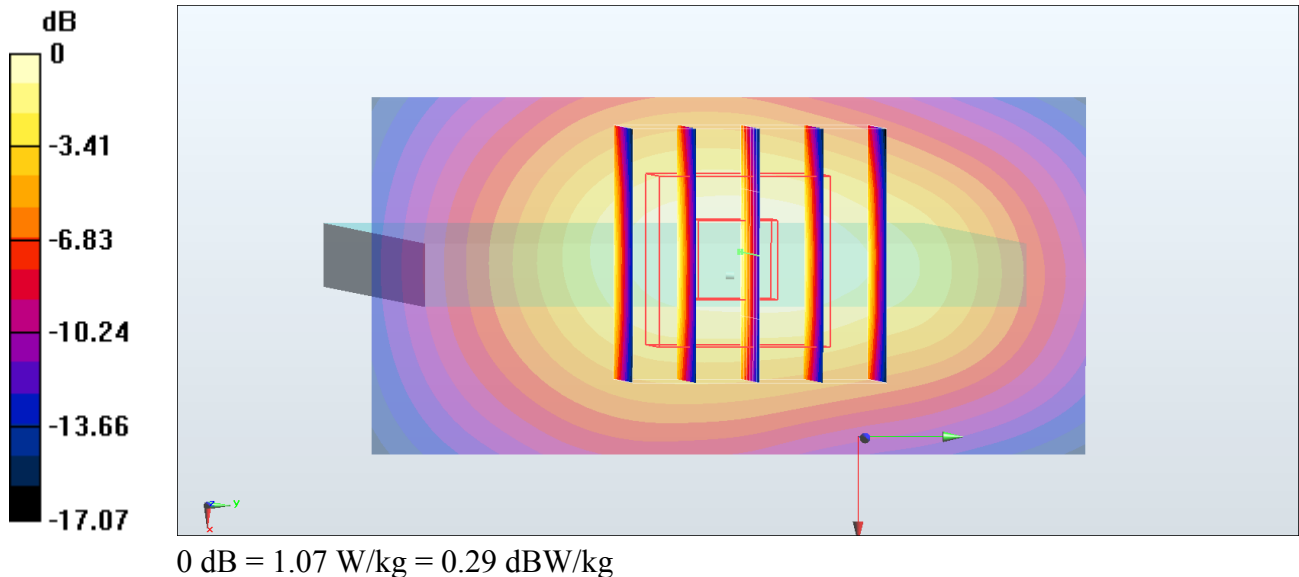
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.69 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.873 W/kg; SAR(10 g) = 0.486 W/kg**

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



**#21\_WCDMA IV\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch1312**

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

Medium: MSL\_1750\_181205 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.398$  S/m;  $\epsilon_r = 55.941$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169;ConvF(5.06, 5.06, 5.06) ;Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

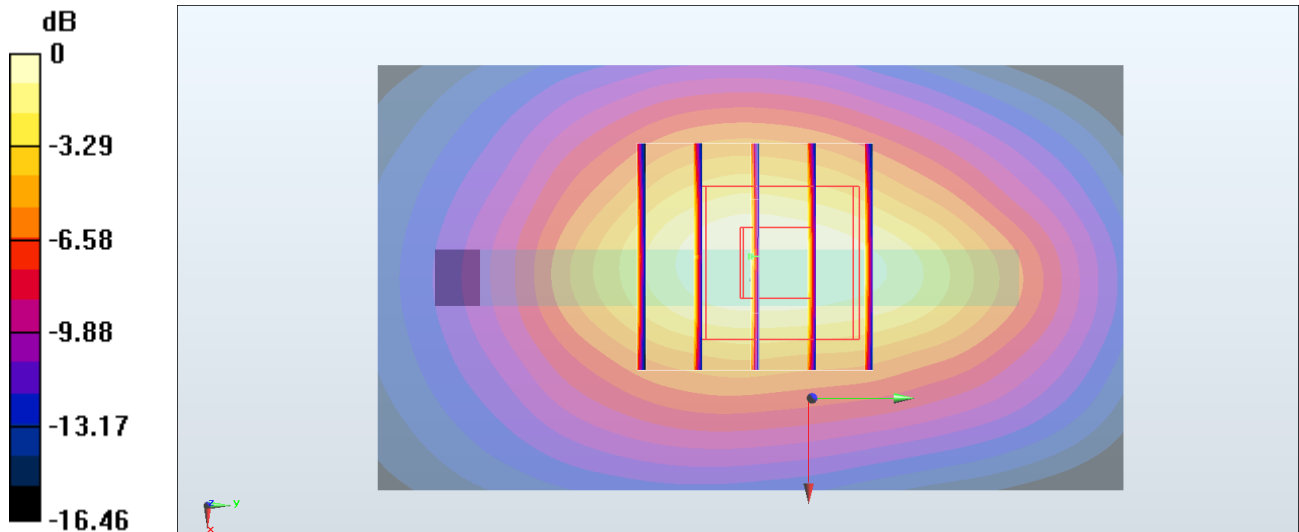
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.61 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.340 W/kg**

Maximum value of SAR (measured) = 0.735 W/kg



0 dB = 0.735 W/kg = -1.34 dBW/kg

**#22\_WCDMA V\_RMC 12.2Kbps\_Back\_10mm\_Ch4233**

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

Medium: MSL\_850\_181126 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 56.15$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(9.92, 9.92, 9.92) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x101x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

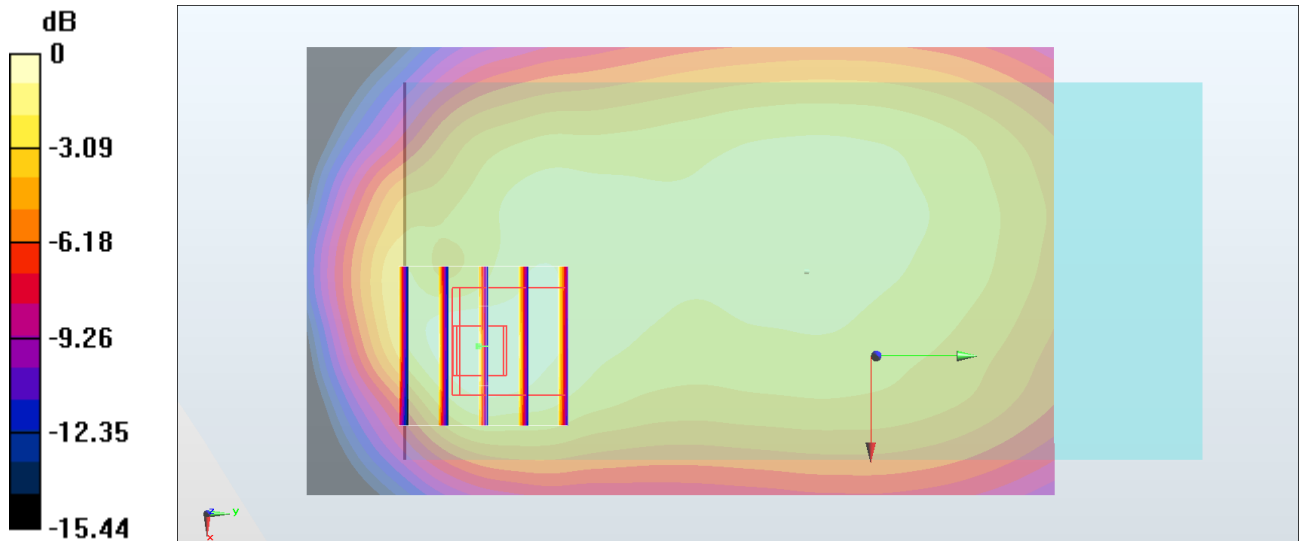
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 8.168 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.304 W/kg

**SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.102 W/kg**

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



0 dB = 0.246 W/kg = -6.09 dBW/kg

**#23\_LTE Band 2\_20M\_QPSK\_1\_0\_Bottom Side\_10mm\_Ch18900**

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

Medium: MSL\_1900\_181206 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 53.978$ ;  $\rho = 1000$  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) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.995 W/kg

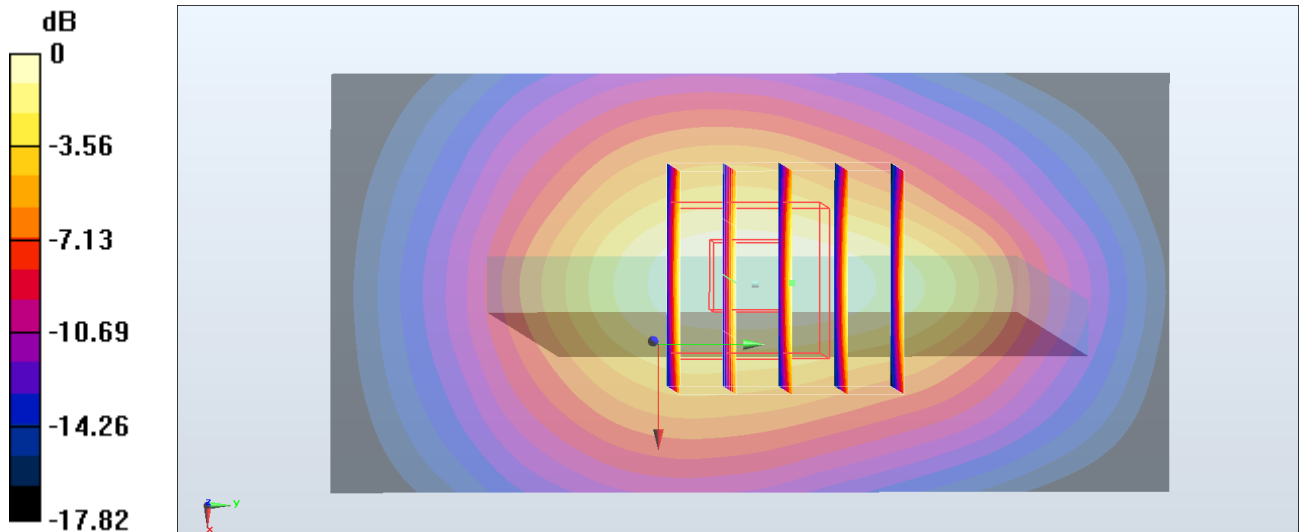
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.59 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.454 W/kg**

Maximum value of SAR (measured) = 0.996 W/kg



0 dB = 0.996 W/kg = -0.02 dBW/kg

**#24\_LTE Band 4\_20M\_QPSK\_1\_0\_Bottom Side\_10mm\_Ch20175**

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

Medium: MSL\_1750\_181205 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.41$  S/m;  $\epsilon_r = 55.903$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.750 W/kg

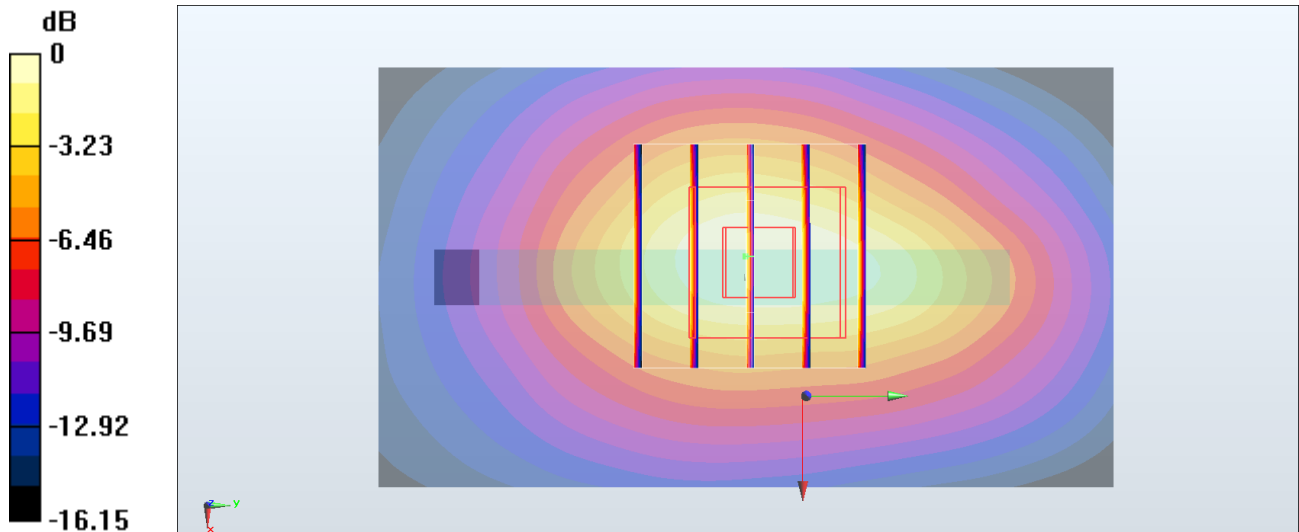
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.31 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.962 W/kg

**SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.331 W/kg**

Maximum value of SAR (measured) = 0.720 W/kg



0 dB = 0.720 W/kg = -1.43 dBW/kg

**#25\_LTE Band 12\_10M\_QPSK\_1\_25\_Back\_10mm\_Ch23095**

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

Medium: MSL\_750\_181126 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.931$  S/m;  $\epsilon_r = 55.763$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(10.17, 10.17, 10.17) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.293 W/kg

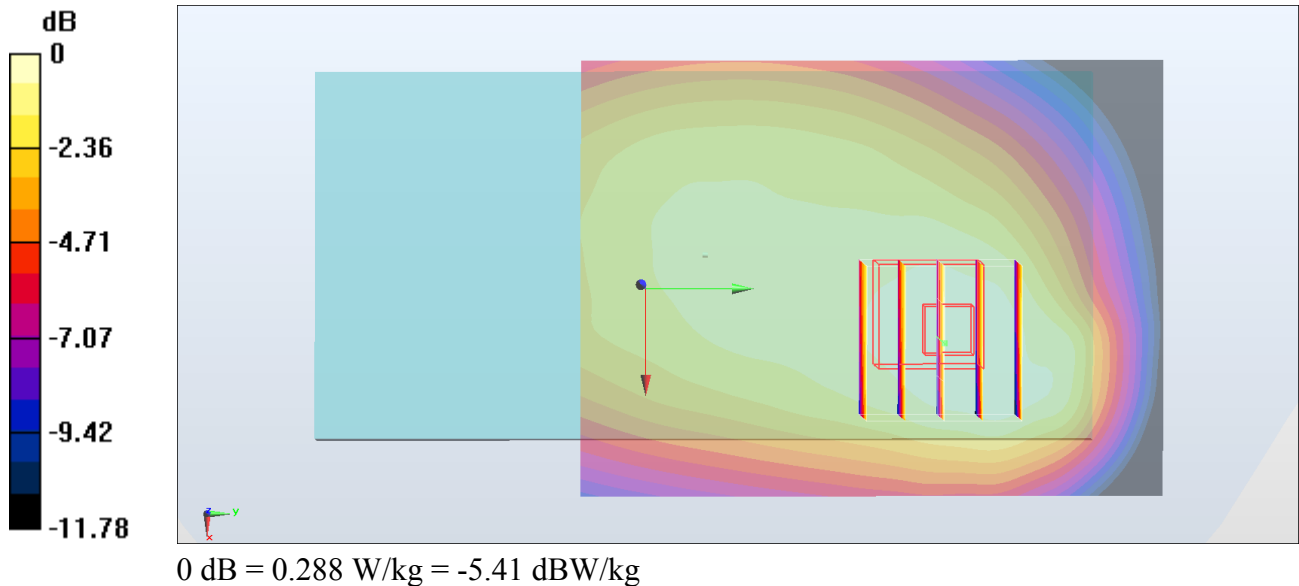
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.76 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.324 W/kg

**SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.163 W/kg**

Maximum value of SAR (measured) = 0.288 W/kg



**#26\_LTE Band 13\_10M\_QPSK\_1\_0\_Back\_10mm\_Ch23230**

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

Medium: MSL\_750\_181126 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 1 \text{ S/m}$ ;  $\epsilon_r = 54.977$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4^\circ\text{C}$ ; Liquid Temperature :  $22.4^\circ\text{C}$

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(10.17, 10.17, 10.17) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.265 \text{ W/kg}$

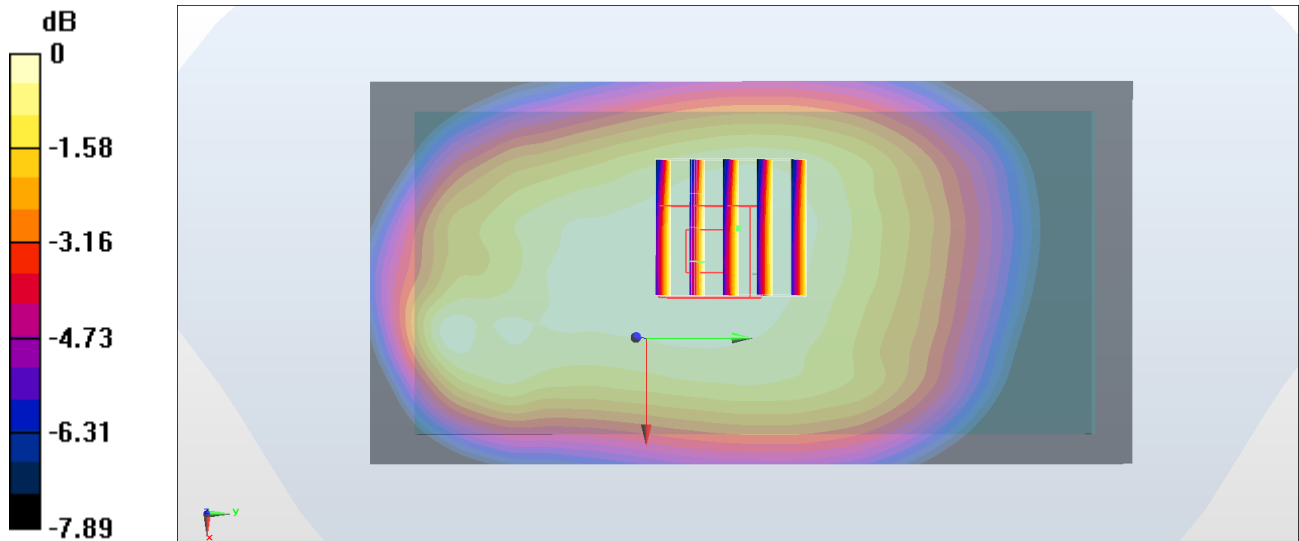
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $15.78 \text{ V/m}$ ; Power Drift =  $-0.06 \text{ dB}$

Peak SAR (extrapolated) =  $0.283 \text{ W/kg}$

**SAR(1 g) =  $0.219 \text{ W/kg}$ ; SAR(10 g) =  $0.172 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.260 \text{ W/kg}$



**#27\_LTE Band 26\_15M\_QPSK\_1\_0\_Back\_10mm\_Ch26865**

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

Medium: MSL\_850\_181126 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.962$  S/m;  $\epsilon_r = 56.304$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931;ConvF(9.92, 9.92, 9.92) ;Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

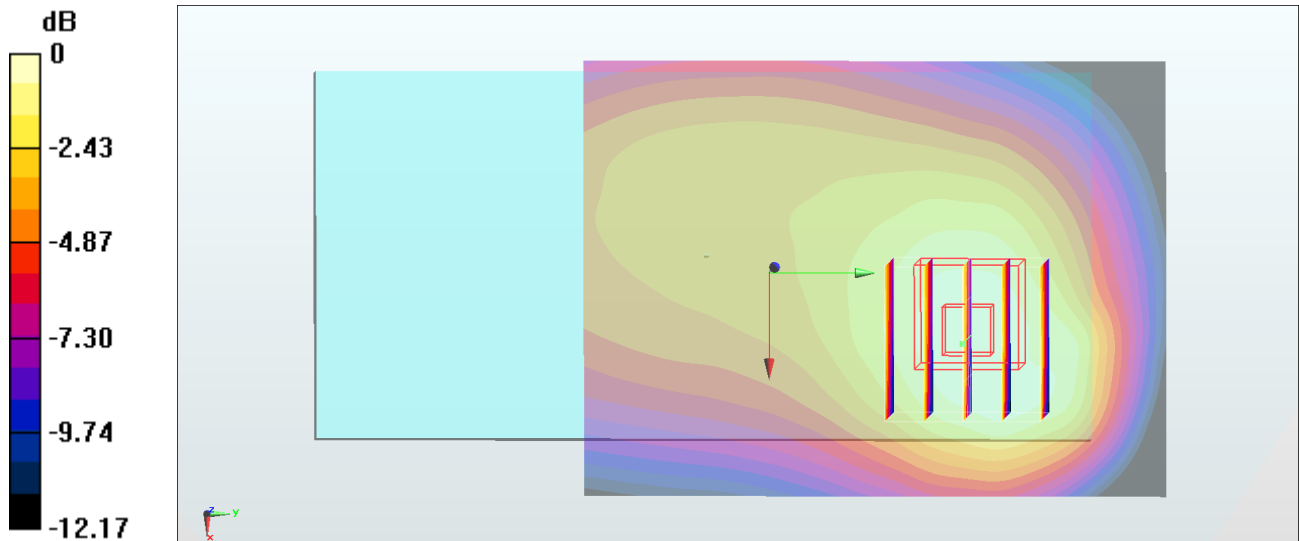
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.09 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.352 W/kg

**SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.156 W/kg**

Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.308 W/kg = -5.11 dBW/kg

**#28\_LTE Band 38\_20M\_QPSK\_1\_0\_Front\_10mm\_Ch38000**

Communication System: LTE; Frequency: 2595 MHz; Duty Cycle: 1:1.59

Medium: MSL\_2600\_181203 Medium parameters used :  $f = 2595$  MHz;  $\sigma = 2.199$  S/m;  $\epsilon_r = 51.905$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.43, 7.43, 7.43); Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (91x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.707 W/kg

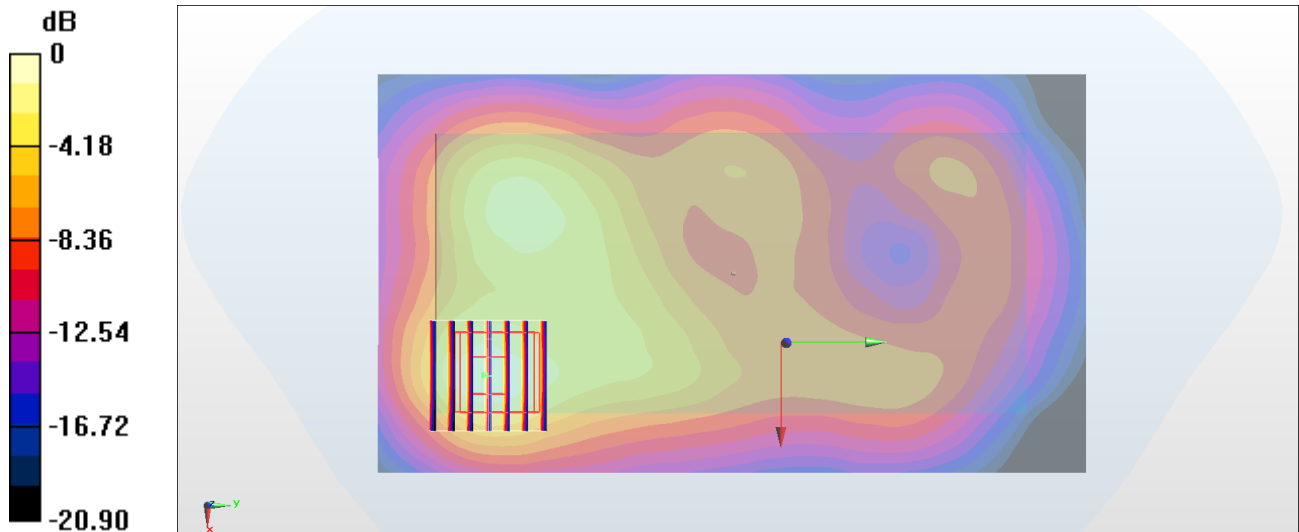
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.15 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.848 W/kg

**SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.195 W/kg**

Maximum value of SAR (measured) = 0.670 W/kg



0 dB = 0.670 W/kg = -1.74 dBW/kg

**#29\_LTE Band 41\_20M\_QPSK\_1\_0\_Back\_10mm\_Ch39750**

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

Medium: MSL\_2600\_181204 Medium parameters used:  $f = 2506$  MHz;  $\sigma = 2.056$  S/m;  $\epsilon_r = 52.078$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.43, 7.43, 7.43) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.715 W/kg

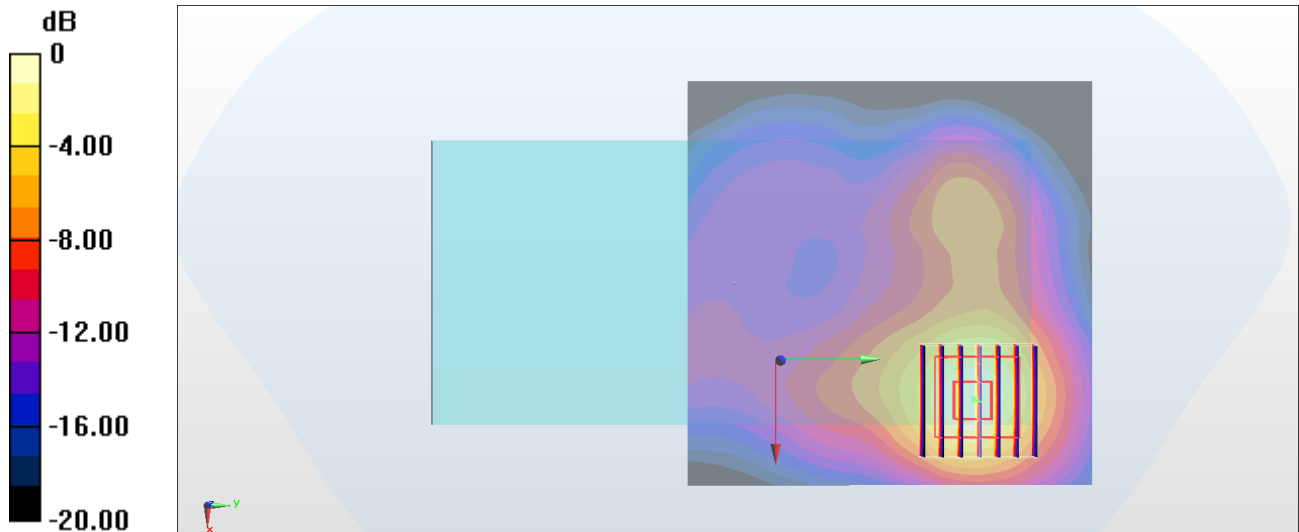
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.97 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.885 W/kg

**SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.210 W/kg**

Maximum value of SAR (measured) = 0.710 W/kg



0 dB = 0.710 W/kg = -1.49 dBW/kg

**#30\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_10mm\_Ch11;Ant 5**

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1.010

Medium: MSL\_2450\_181110 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.994$  S/m;  $\epsilon_r = 52.638$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931;ConvF(7.56, 7.56, 7.56);Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.725 W/kg

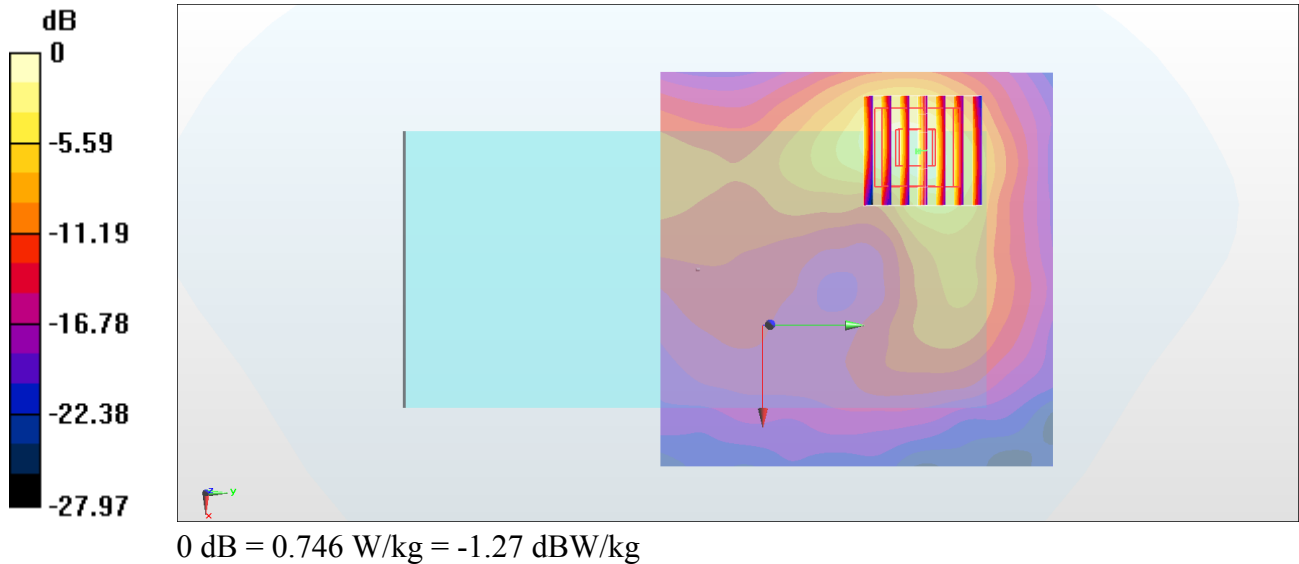
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.32 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.947 W/kg

**SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.208 W/kg**

Maximum value of SAR (measured) = 0.746 W/kg



**#31\_WLAN5GHz\_802.11n-HT40 MCS0\_Back\_10mm\_Ch46;Ant 5**

Communication System: 802.11n ; Frequency: 5230 MHz;Duty Cycle: 1:1.043

Medium: MSL\_5G\_181113 Medium parameters used:  $f = 5230$  MHz;  $\sigma = 5.136$  S/m;  $\epsilon_r = 50.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931;ConvF(4.4, 4.4, 4.4) ;Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (91x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.868 W/kg

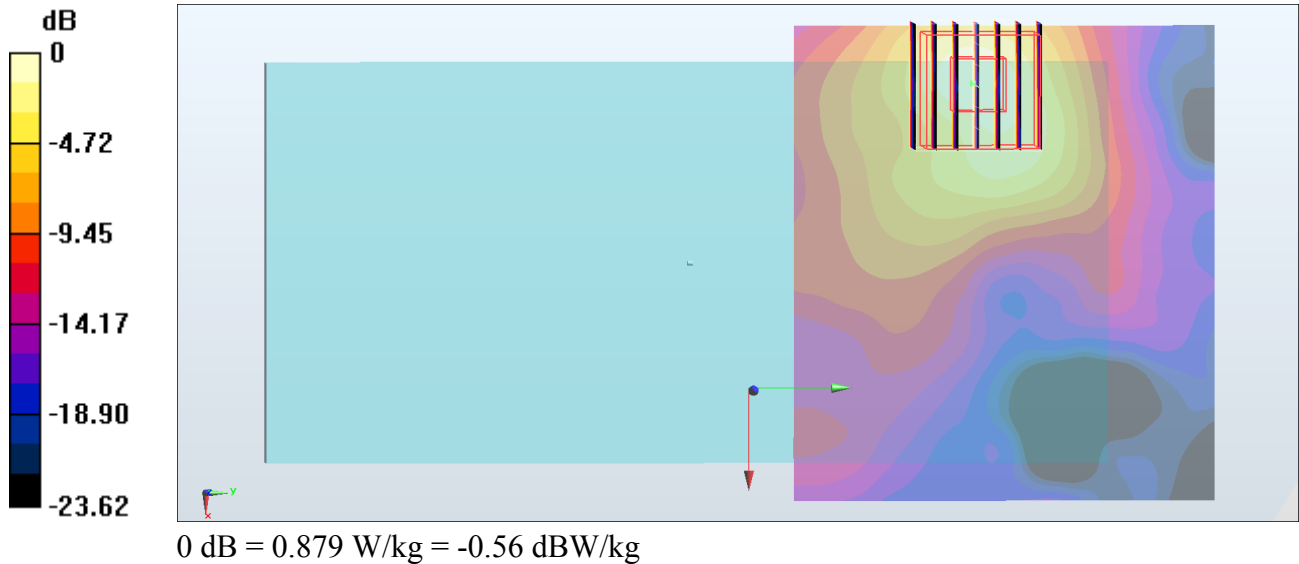
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.07 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.136 W/kg**

Maximum value of SAR (measured) = 0.879 W/kg



**#32\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Side\_10mm\_Ch155;Ant 4+5**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.079

Medium: MSL\_5G\_181207 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.976$  S/m;  $\epsilon_r = 48.243$ ;  $\rho = 1000$  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) ; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (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 (51x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.789 W/kg

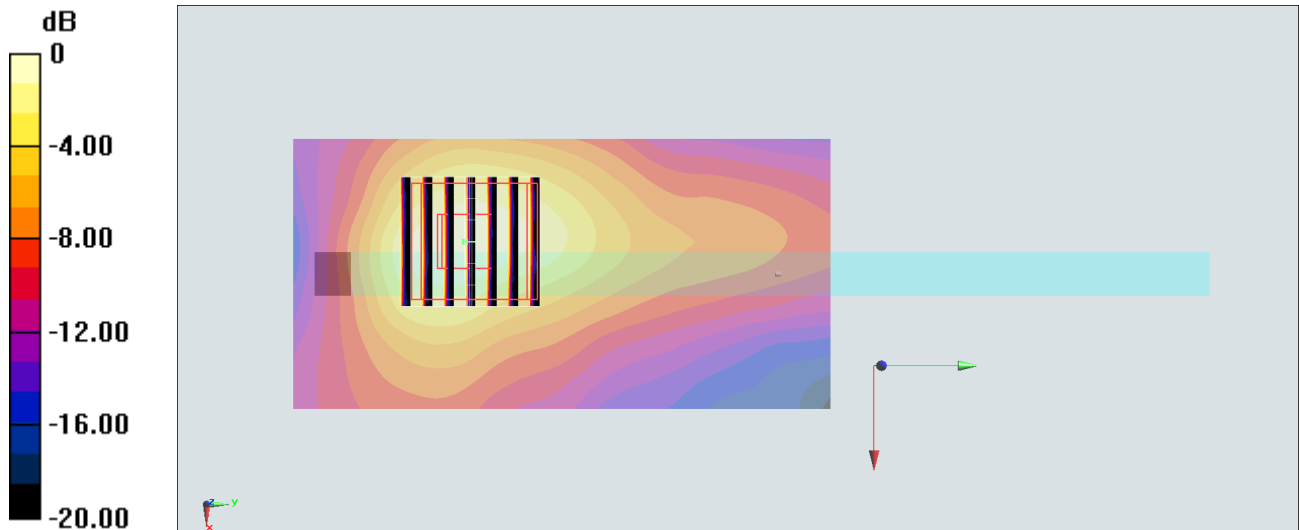
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.61 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.126 W/kg**

Maximum value of SAR (measured) = 0.762 W/kg



0 dB = 0.762 W/kg = -1.18 dBW/kg

**#33\_Bluetooth\_1Mbps\_Back\_10mm\_Ch00;Ant 4**

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.301

Medium: MSL\_2450\_181110 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.915$  S/m;  $\epsilon_r = 52.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.56, 7.56, 7.56) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.250 W/kg

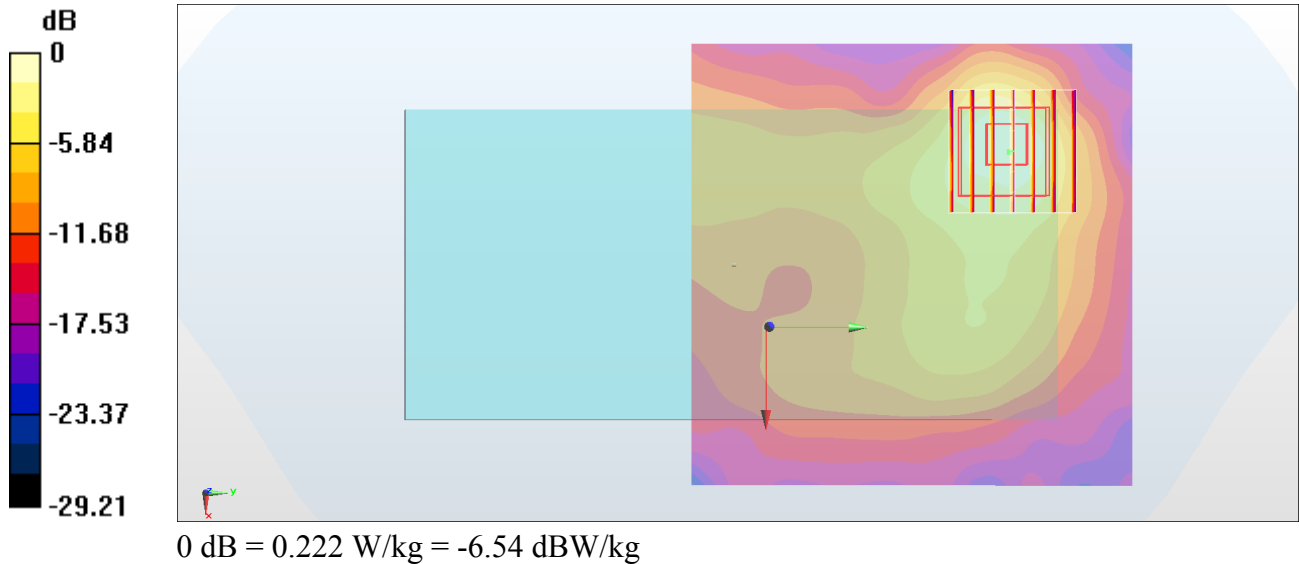
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.625 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.284 W/kg

**SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.067 W/kg**

Maximum value of SAR (measured) = 0.222 W/kg



**#34\_GSM850\_GPRS (4 Tx slots)\_Back\_10mm\_Ch251**

Communication System: GSM850 ; Frequency: 848.8 MHz; Duty Cycle: 1:2.08

Medium: MSL\_850\_181126 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.977$  S/m;  $\epsilon_r = 56.136$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(9.92, 9.92, 9.92); Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.333 W/kg

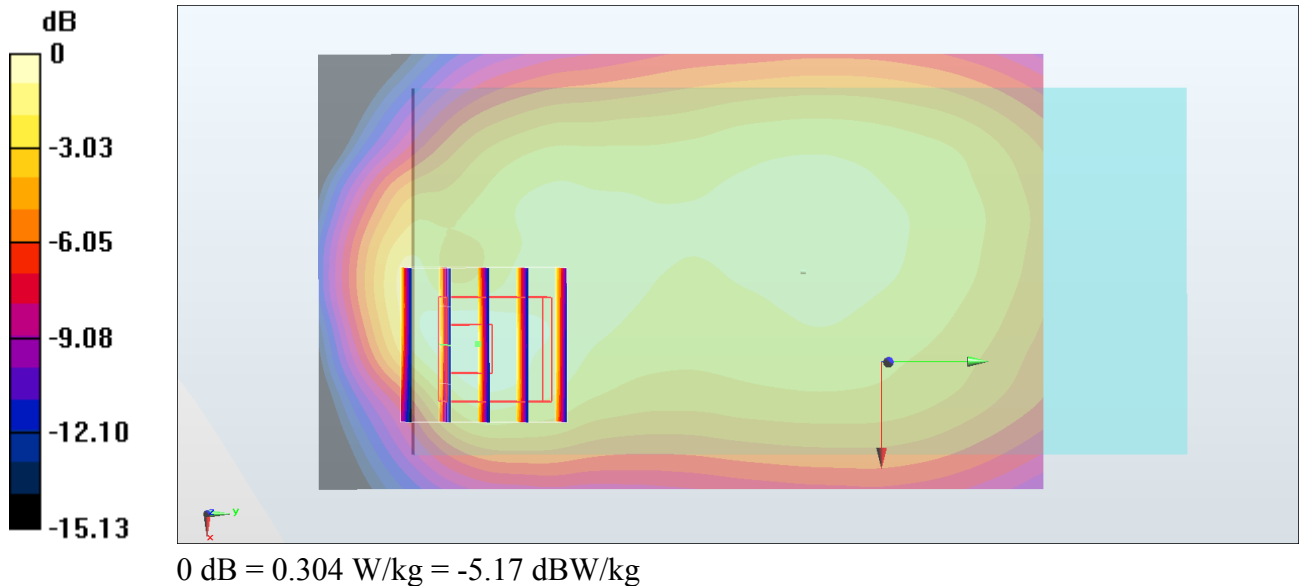
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.669 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.118 W/kg**

Maximum value of SAR (measured) = 0.304 W/kg



**#35\_GSM1900\_GPRS (4 Tx slots)\_Back\_10mm\_Ch810**

Communication System: PCS ; Frequency: 1909.8 MHz; Duty Cycle: 1:2.08

Medium: MSL\_1900\_181206 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.57$  S/m;  $\epsilon_r = 53.843$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(8, 8, 8) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- 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 (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

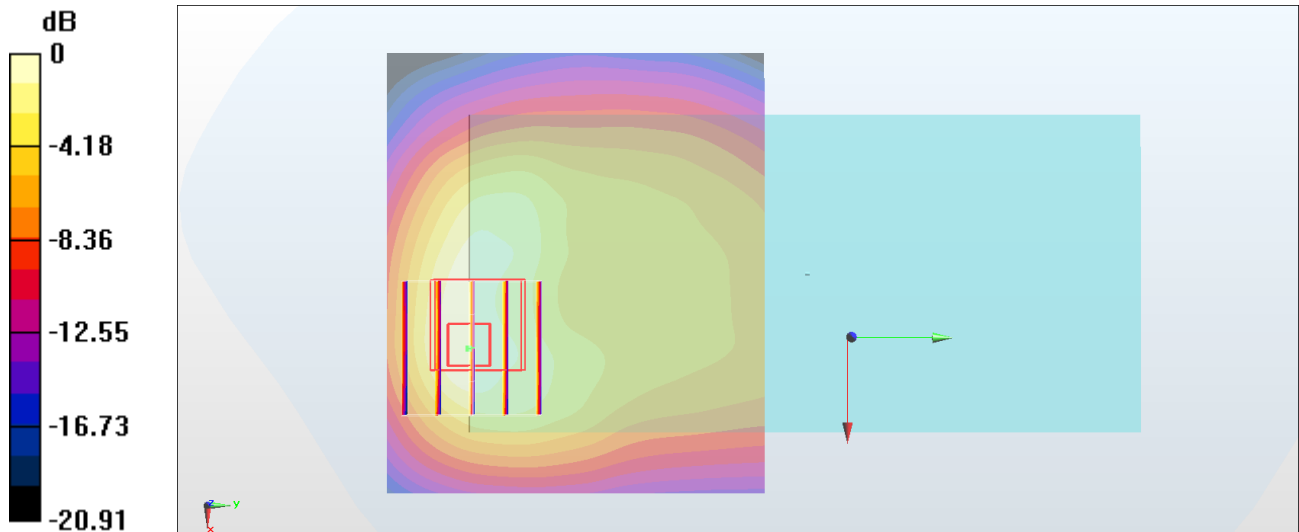
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.957 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.391 W/kg

**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.126 W/kg**

Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.284 W/kg = -5.47 dBW/kg

**#36\_WCDMA II\_RMC 12.2Kbps\_Back\_10mm\_Ch9400**

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

Medium: MSL\_1900\_181206 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 53.978$ ;  $\rho = 1000$  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) ;Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.795 W/kg

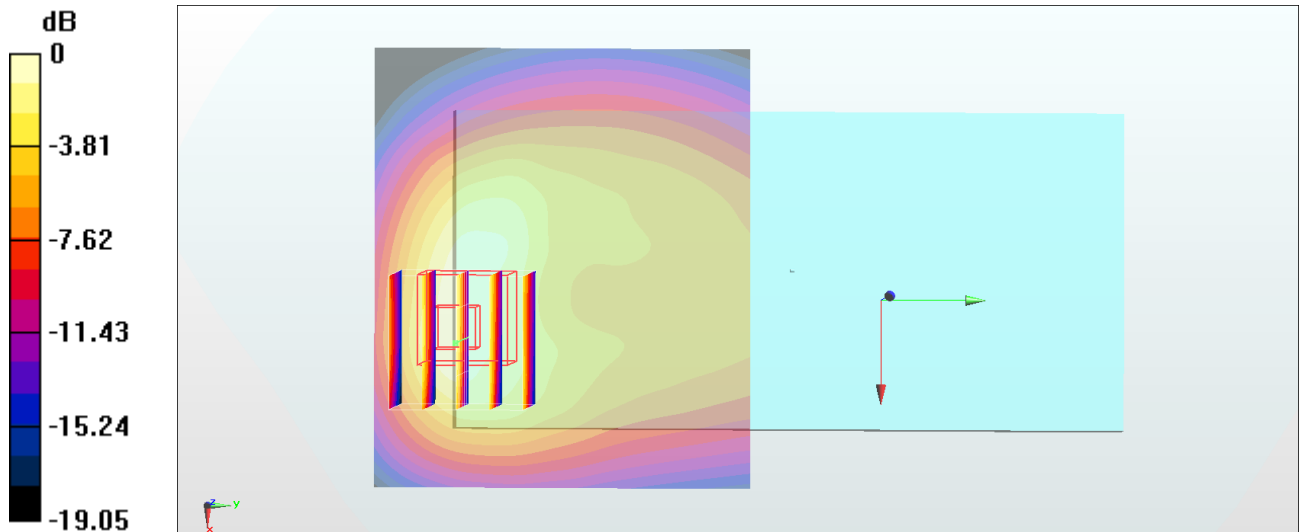
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.87 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.638 W/kg; SAR(10 g) = 0.360 W/kg**

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



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

**#37\_WCDMA IV\_RMC 12.2Kbps\_Back\_10mm\_Ch1312**

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

Medium: MSL\_1750\_181205 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.398$  S/m;  $\epsilon_r = 55.941$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.566 W/kg

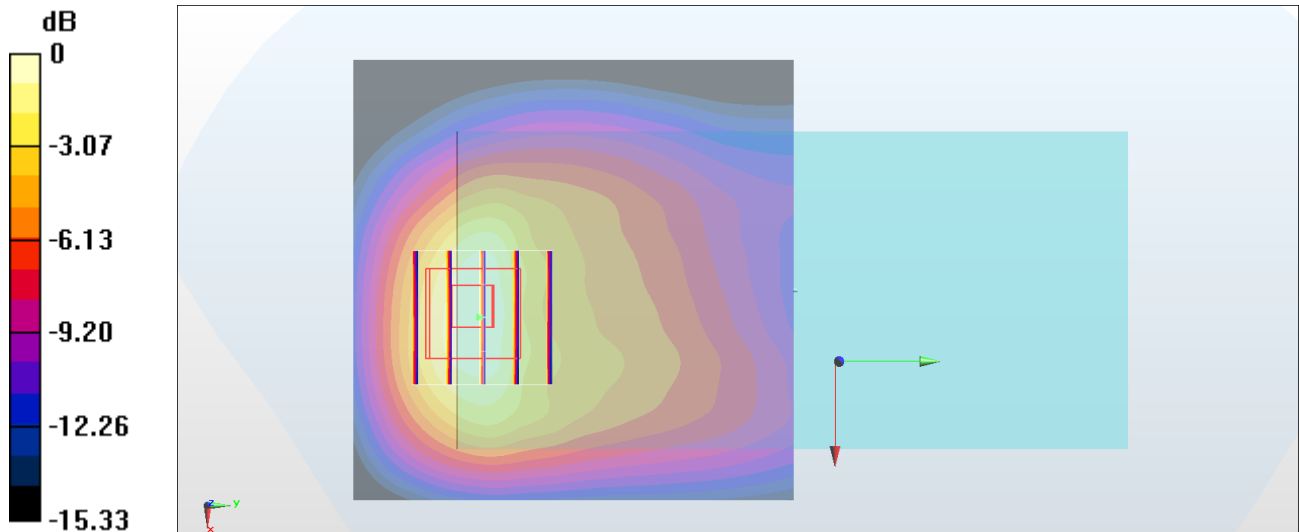
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.05 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.773 W/kg

**SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.269 W/kg**

Maximum value of SAR (measured) = 0.555 W/kg



0 dB = 0.555 W/kg = -2.56 dBW/kg

**#38\_WCDMA V\_RMC 12.2Kbps\_Back\_10mm\_Ch4233**

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

Medium: MSL\_850\_181126 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 56.15$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(9.92, 9.92, 9.92) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

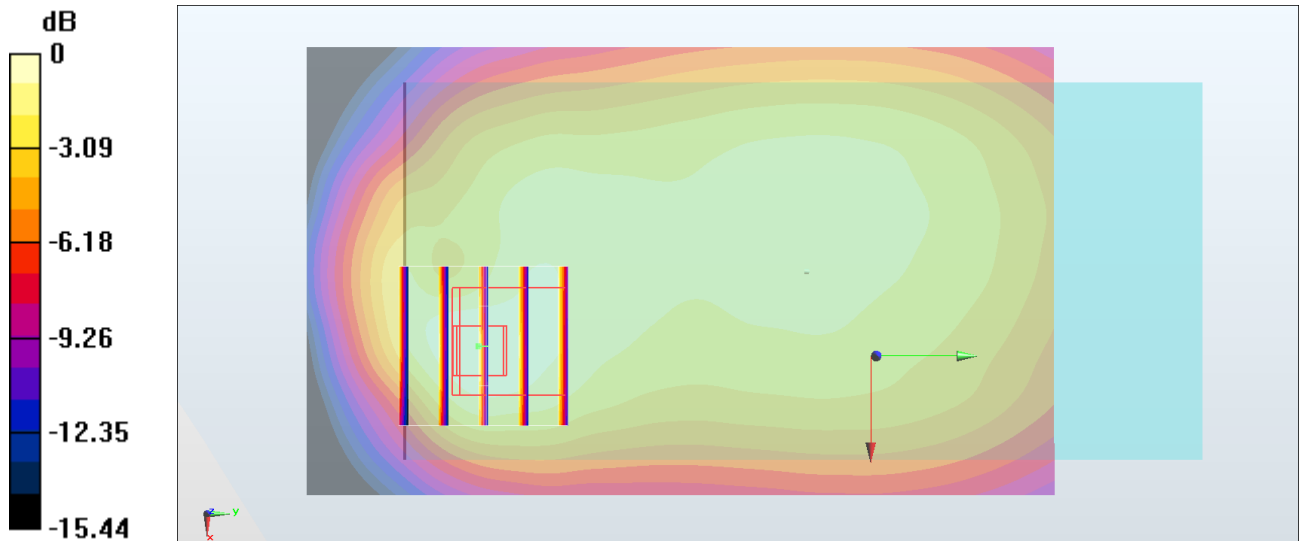
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.168 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.304 W/kg

**SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.102 W/kg**

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



0 dB = 0.246 W/kg = -6.09 dBW/kg

**#39\_LTE Band 2\_20M\_QPSK\_1\_0\_Back\_10mm\_Ch18900**

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

Medium: MSL\_1900\_181206 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 53.978$ ;  $\rho = 1000$  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) ;Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.811 W/kg

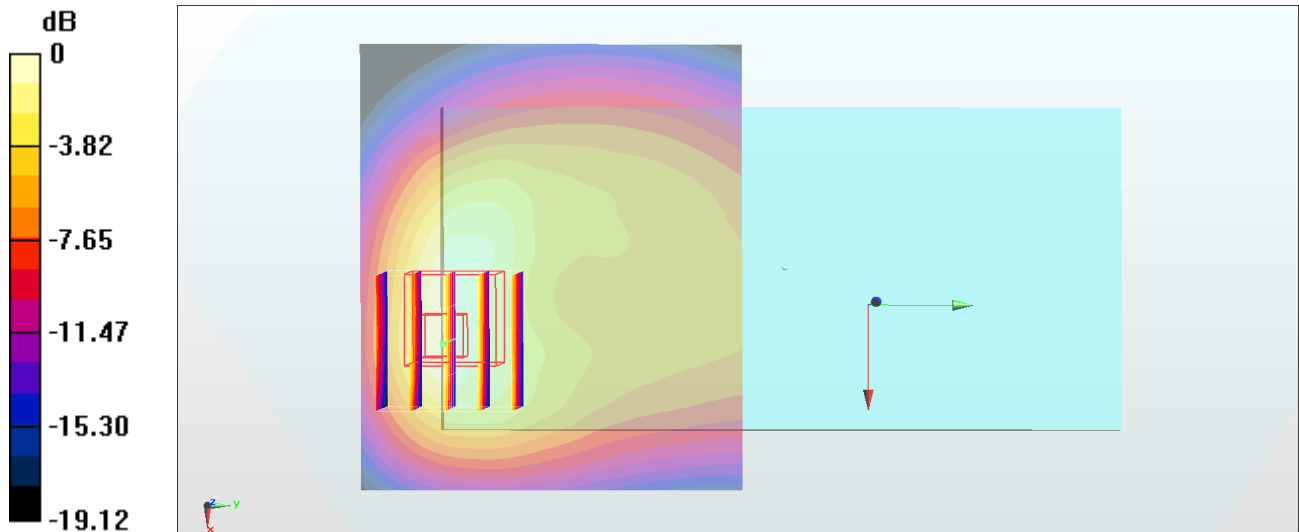
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.85 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.364 W/kg**

Maximum value of SAR (measured) = 0.809 W/kg



0 dB = 0.809 W/kg = -0.92 dBW/kg

**#40\_LTE Band 4\_20M\_QPSK\_1\_0\_Back\_10mm\_Ch20175**

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

Medium: MSL\_1750\_181205 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.41$  S/m;  $\epsilon_r = 55.903$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: ES3DV3 - SN3169; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2018/7/24
- 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 (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.579 W/kg

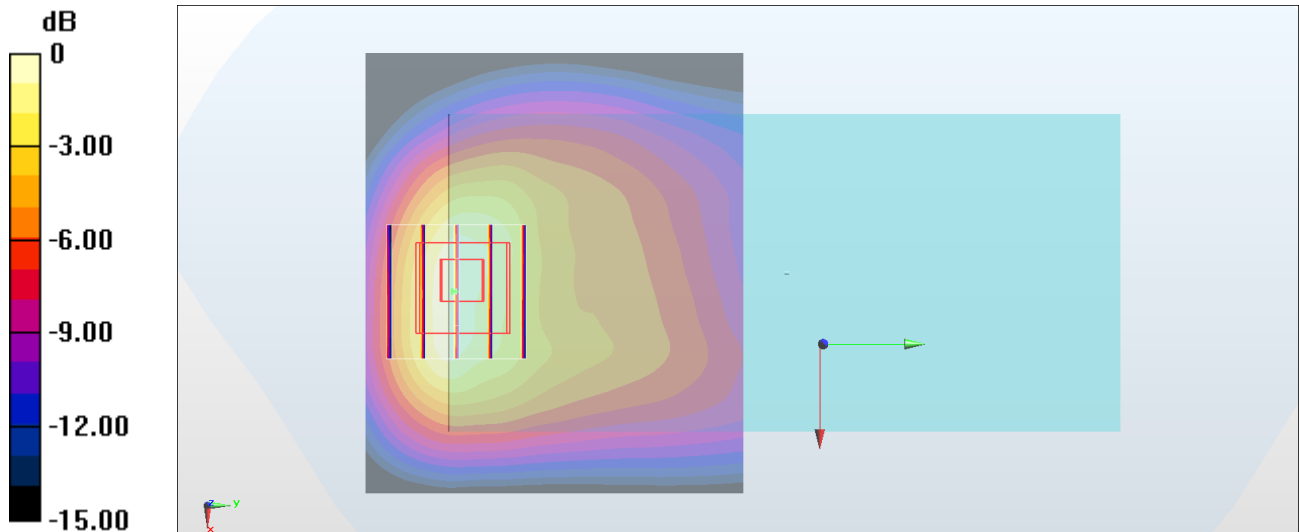
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.54 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.818 W/kg

**SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.289 W/kg**

Maximum value of SAR (measured) = 0.606 W/kg



0 dB = 0.606 W/kg = -2.18 dBW/kg

**#41\_LTE Band 12\_10M\_QPSK\_1\_25\_Back\_10mm\_Ch23095**

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

Medium: MSL\_750\_181126 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.931$  S/m;  $\epsilon_r = 55.763$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(10.17, 10.17, 10.17) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.293 W/kg

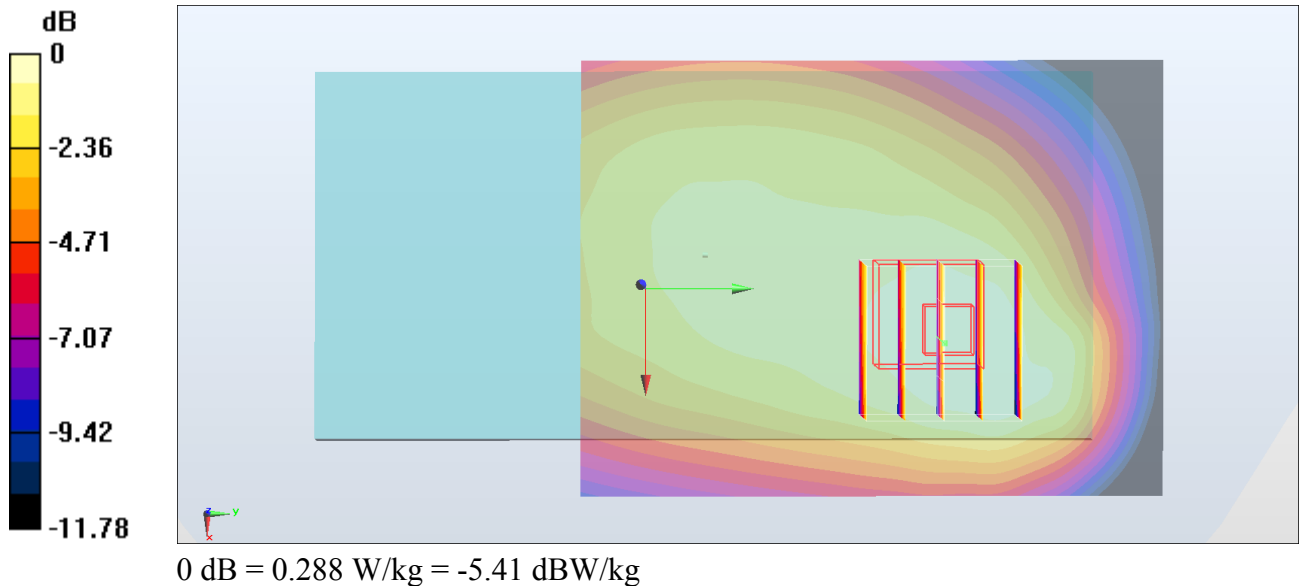
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.76 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.324 W/kg

**SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.163 W/kg**

Maximum value of SAR (measured) = 0.288 W/kg



**#42\_LTE Band 13\_10M\_QPSK\_1\_0\_Back\_10mm\_Ch23230**

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

Medium: MSL\_750\_181126 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 1 \text{ S/m}$ ;  $\epsilon_r = 54.977$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.4 \text{ }^\circ\text{C}$

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(10.17, 10.17, 10.17) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.265 \text{ W/kg}$

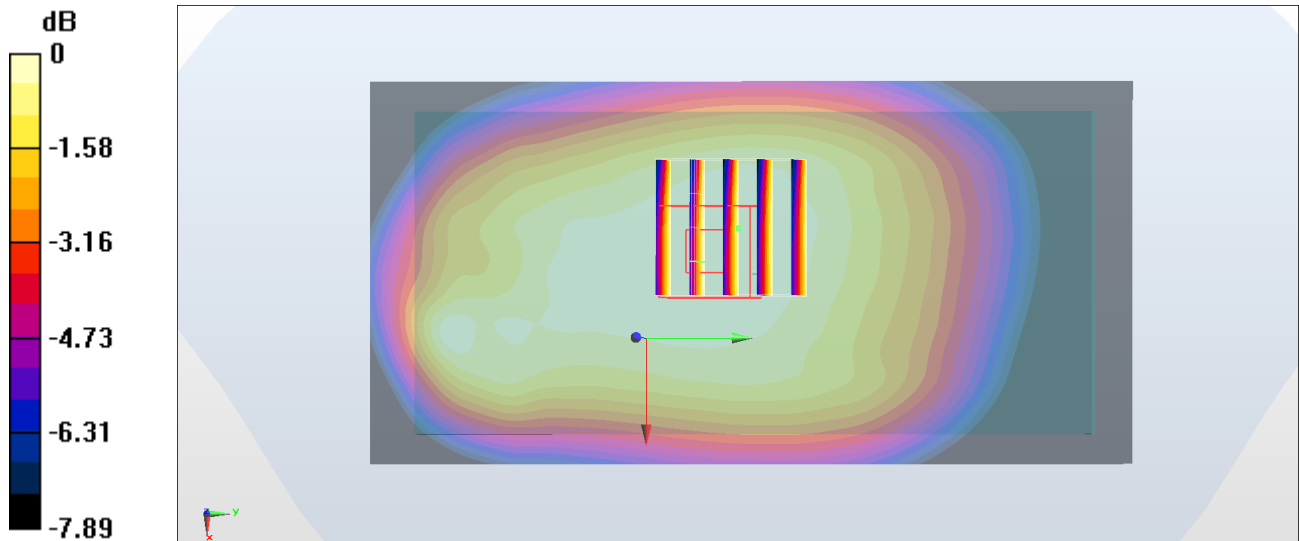
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $15.78 \text{ V/m}$ ; Power Drift =  $-0.06 \text{ dB}$

Peak SAR (extrapolated) =  $0.283 \text{ W/kg}$

**SAR(1 g) =  $0.219 \text{ W/kg}$ ; SAR(10 g) =  $0.172 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.260 \text{ W/kg}$



**#43\_LTE Band 26\_15M\_QPSK\_1\_0\_Back\_10mm\_Ch26865**

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

Medium: MSL\_850\_181126 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.962$  S/m;  $\epsilon_r = 56.304$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(9.92, 9.92, 9.92) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

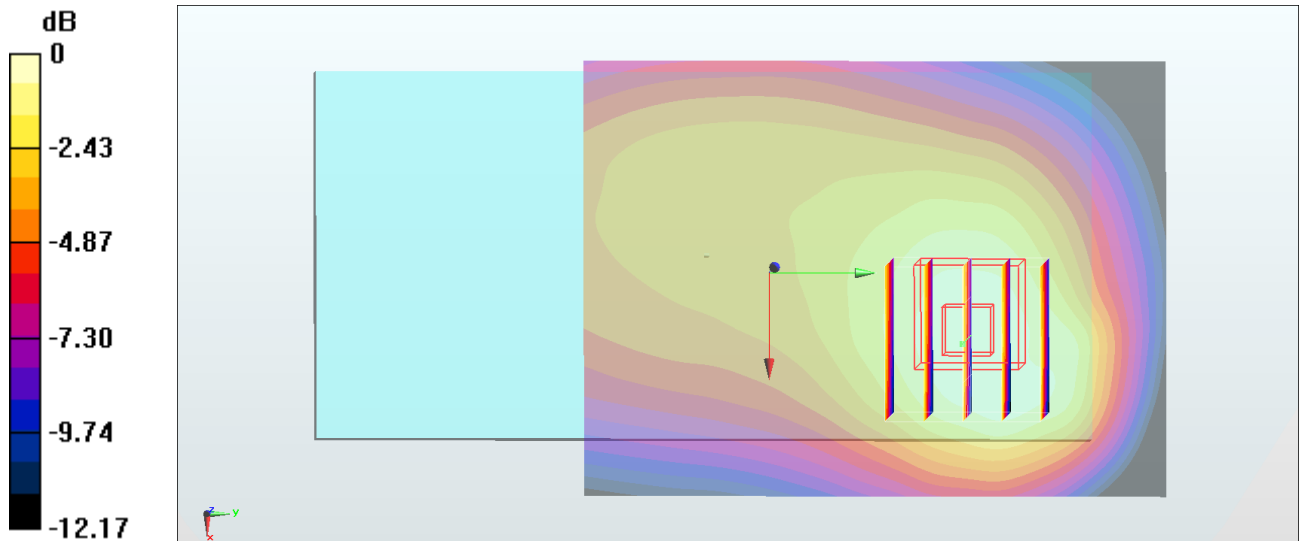
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.09 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.352 W/kg

**SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.156 W/kg**

Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.308 W/kg = -5.11 dBW/kg

**#44\_LTE Band 38\_20M\_QPSK\_1\_0\_Front\_10mm\_Ch38000**

Communication System: LTE ; Frequency: 2595 MHz; Duty Cycle: 1:1.59

Medium: MSL\_2600\_181203 Medium parameters used :  $f = 2595$  MHz;  $\sigma = 2.199$  S/m;  $\epsilon_r = 51.905$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.43, 7.43, 7.43) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (91x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.707 W/kg

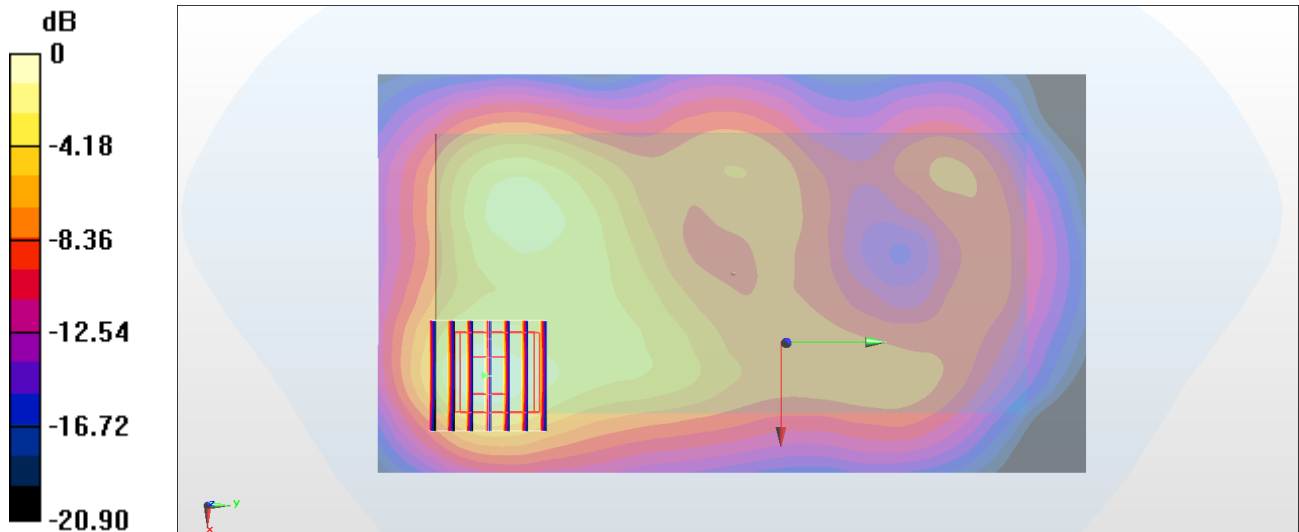
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.15 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.848 W/kg

**SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.195 W/kg**

Maximum value of SAR (measured) = 0.670 W/kg



0 dB = 0.670 W/kg = -1.74 dBW/kg

**#45\_LTE Band 41\_20M\_QPSK\_1\_0\_Back\_10mm\_Ch39750**

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

Medium: MSL\_2600\_181204 Medium parameters used:  $f = 2506$  MHz;  $\sigma = 2.056$  S/m;  $\epsilon_r = 52.078$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.43, 7.43, 7.43) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.715 W/kg

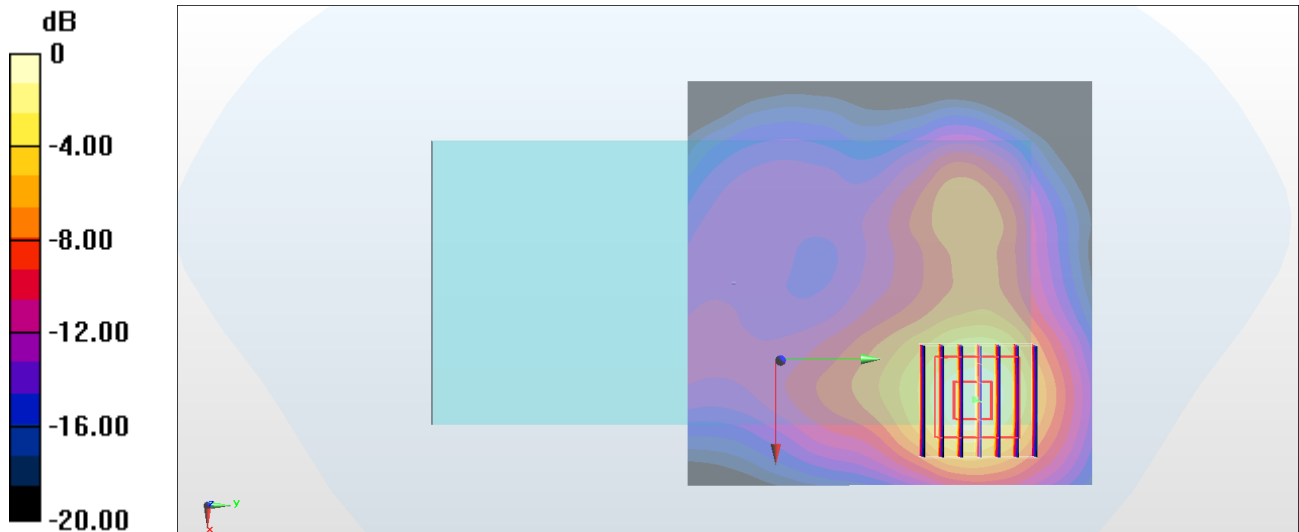
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.97 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.885 W/kg

**SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.210 W/kg**

Maximum value of SAR (measured) = 0.710 W/kg



0 dB = 0.710 W/kg = -1.49 dBW/kg

**#46\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_10mm\_Ch11;Ant 5**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1.010

Medium: MSL\_2450\_181110 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.994$  S/m;  $\epsilon_r = 52.638$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.56, 7.56, 7.56) ; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.725 W/kg

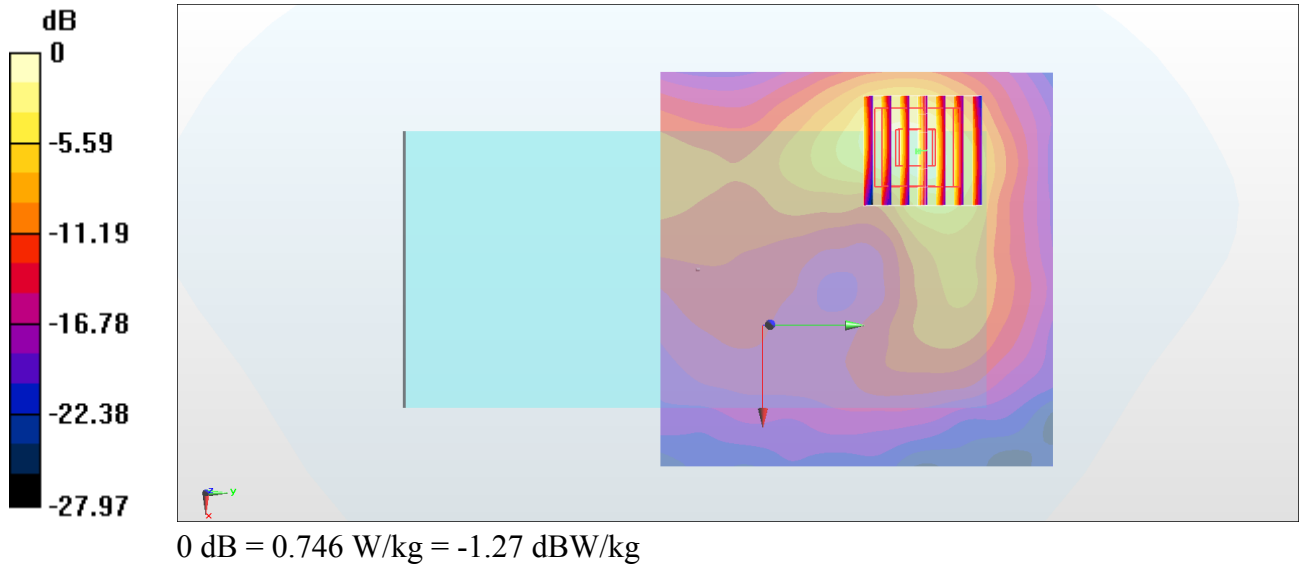
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.32 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.947 W/kg

**SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.208 W/kg**

Maximum value of SAR (measured) = 0.746 W/kg



**#47\_WLAN5GHz\_802.11n-HT40 MCS0\_Back\_10mm\_Ch54;Ant 5**

Communication System: 802.11n ; Frequency: 5270 MHz;Duty Cycle: 1:1.043

Medium: MSL\_5G\_181113 Medium parameters used:  $f = 5270$  MHz;  $\sigma = 5.187$  S/m;  $\epsilon_r = 50.022$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931;ConvF(4.4, 4.4, 4.4) ;Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (101x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.723 W/kg

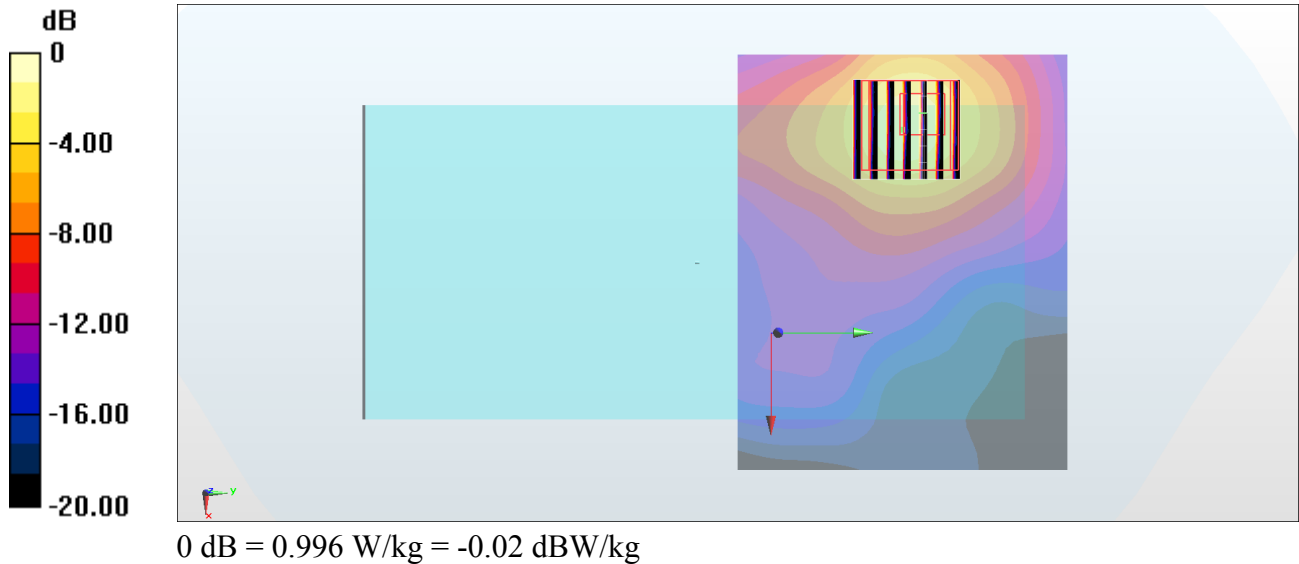
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.96 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 0.996 W/kg



**#48\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_10mm\_Ch122;Ant 4+5**

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1.079

Medium: MSL\_5G\_181207 Medium parameters used :  $f = 5610$  MHz;  $\sigma = 5.801$  S/m;  $\epsilon_r = 48.47$ ;  $\rho = 1000$  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) @ 5610 MHz; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (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 (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

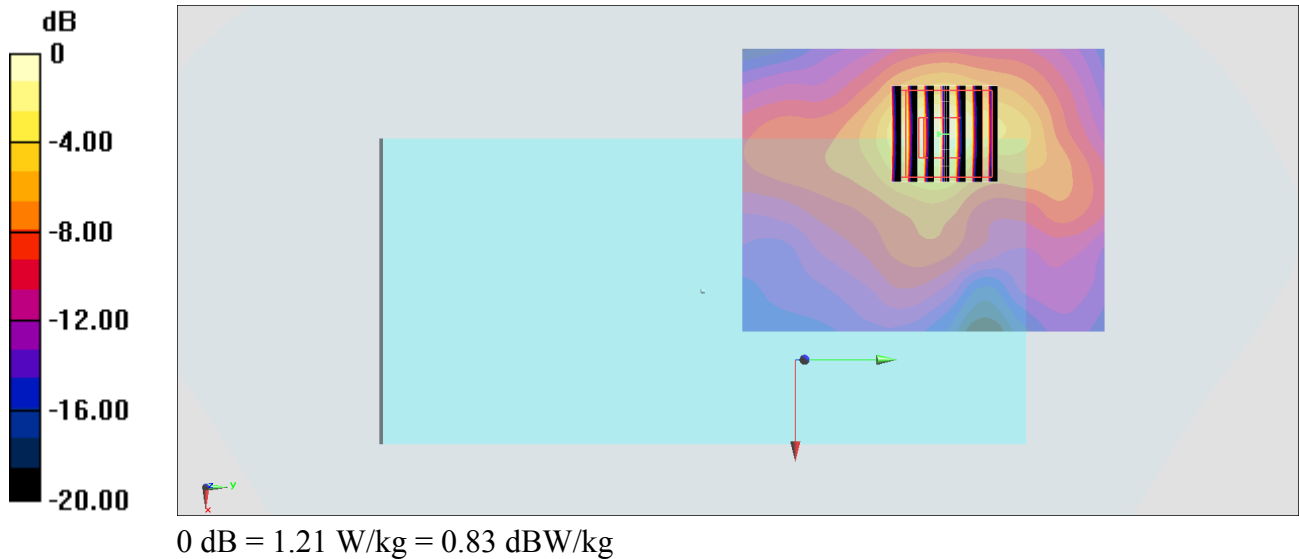
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.66 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.16 W/kg

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.156 W/kg**

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



**#49\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_10mm\_Ch155;Ant 4+5**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.079

Medium: MSL\_5G\_181207 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.976$  S/m;  $\epsilon_r = 48.243$ ;  $\rho = 1000$  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) ; Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (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 (71x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.711 W/kg

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

Reference Value = 7.830 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.099 W/kg**

Maximum value of SAR (measured) = 0.763 W/kg

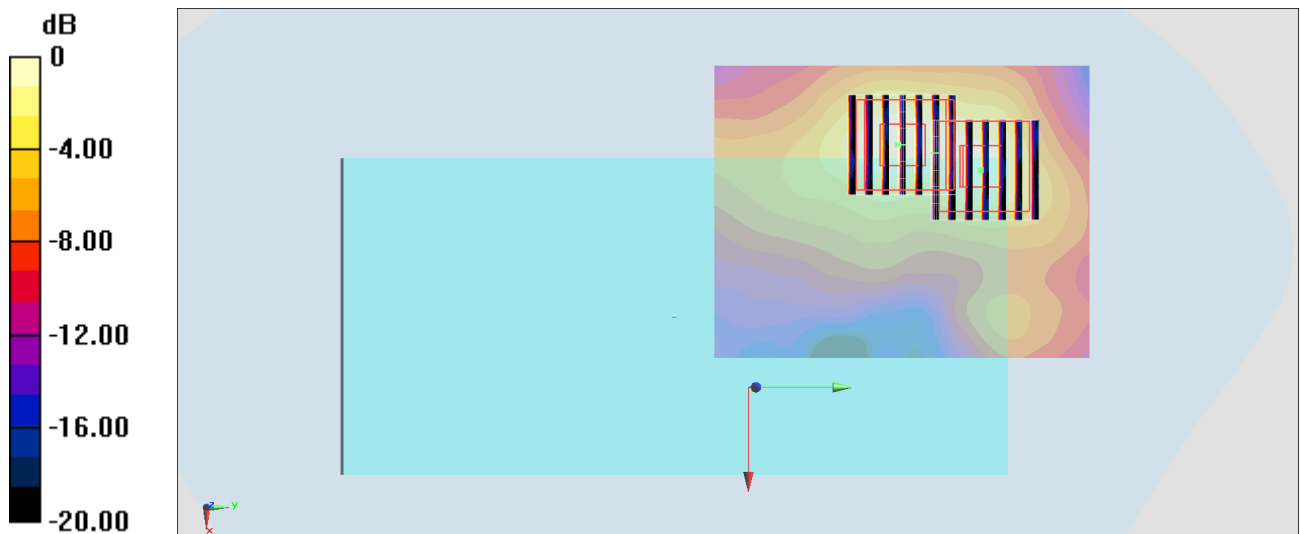
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.830 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.971 W/kg

**SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.076 W/kg**

Maximum value of SAR (measured) = 0.534 W/kg



0 dB = 0.534 W/kg = -2.72 dBW/kg

**#50\_Bluetooth\_1Mbps\_Back\_10mm\_Ch00;Ant 4**

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.301

Medium: MSL\_2450\_181110 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.915$  S/m;  $\epsilon_r = 52.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931; ConvF(7.56, 7.56, 7.56); Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.250 W/kg

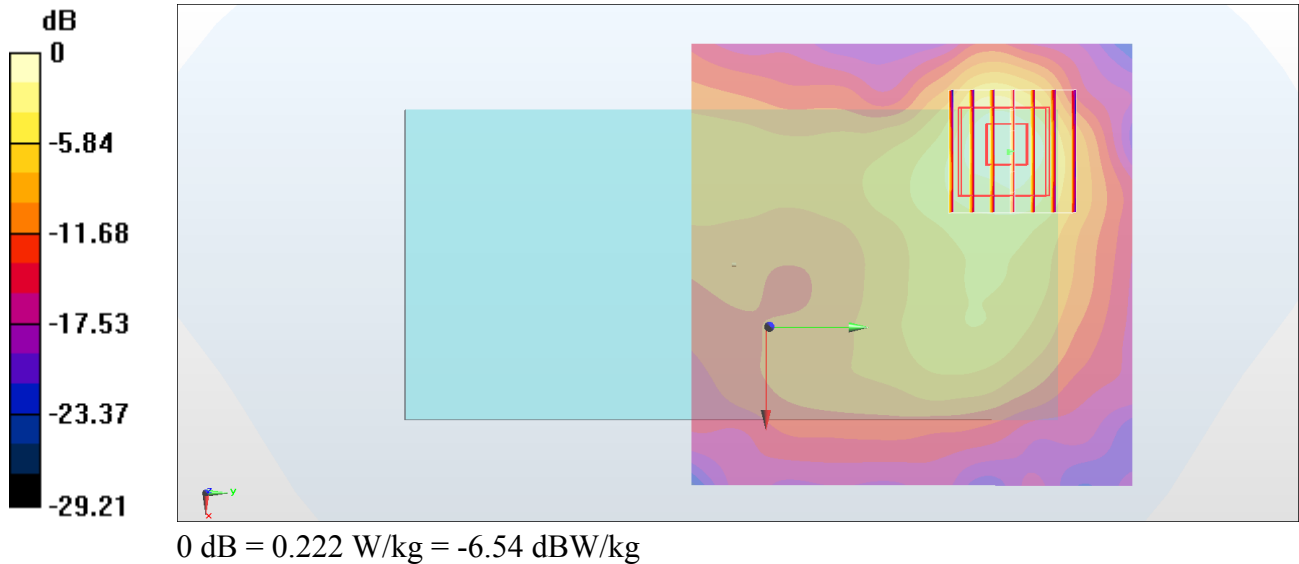
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.625 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.284 W/kg

**SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.067 W/kg**

Maximum value of SAR (measured) = 0.222 W/kg



**#51\_WLAN5GHz\_802.11n-HT40 MCS0\_Back\_0mm\_Ch54;Ant 5**

Communication System: 802.11n ; Frequency: 5270 MHz;Duty Cycle: 1:1.043

Medium: MSL\_5G\_181113 Medium parameters used:  $f = 5270$  MHz;  $\sigma = 5.187$  S/m;  $\epsilon_r = 50.022$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931;ConvF(4.4, 4.4, 4.4) ;Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (81x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.89 W/kg

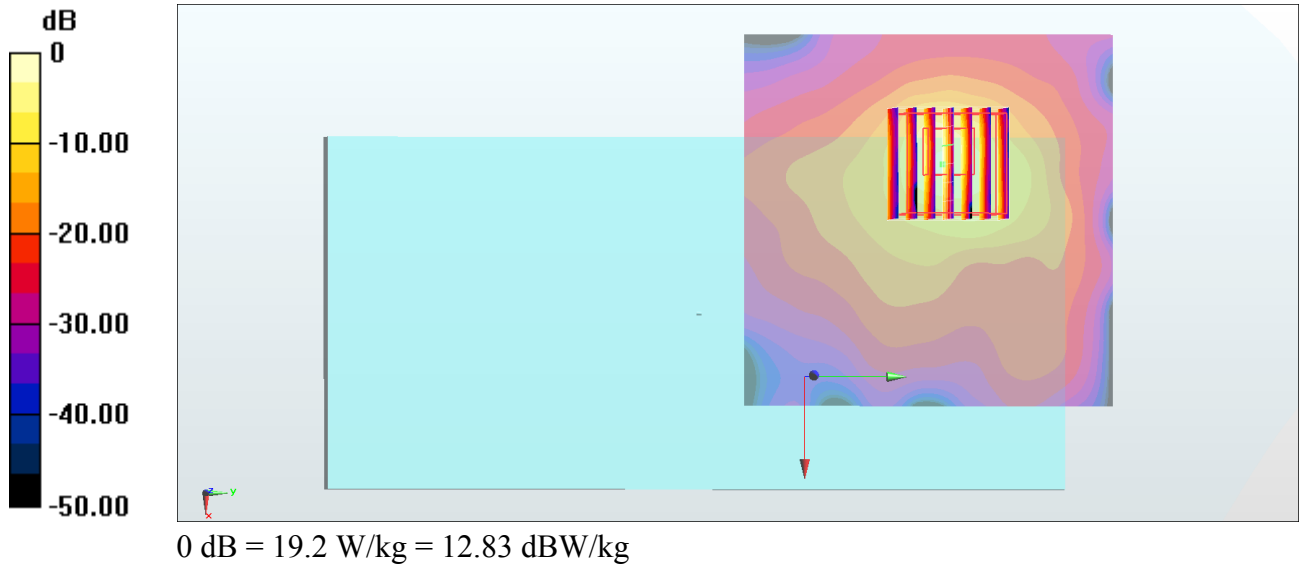
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 51.60 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 36.2 W/kg

**SAR(1 g) = 6.57 W/kg; SAR(10 g) = 1.36 W/kg**

Maximum value of SAR (measured) = 19.2 W/kg



**#52\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch122;Ant 5**

Communication System: 802.11ac ; Frequency: 5610 MHz;Duty Cycle: 1:1.079

Medium: MSL\_5G\_181113 Medium parameters used :  $f = 5610$  MHz;  $\sigma = 5.653$  S/m;  $\epsilon_r = 49.457$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3931;ConvF(3.82, 3.82, 3.82);Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- 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 (61x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 11.5 W/kg

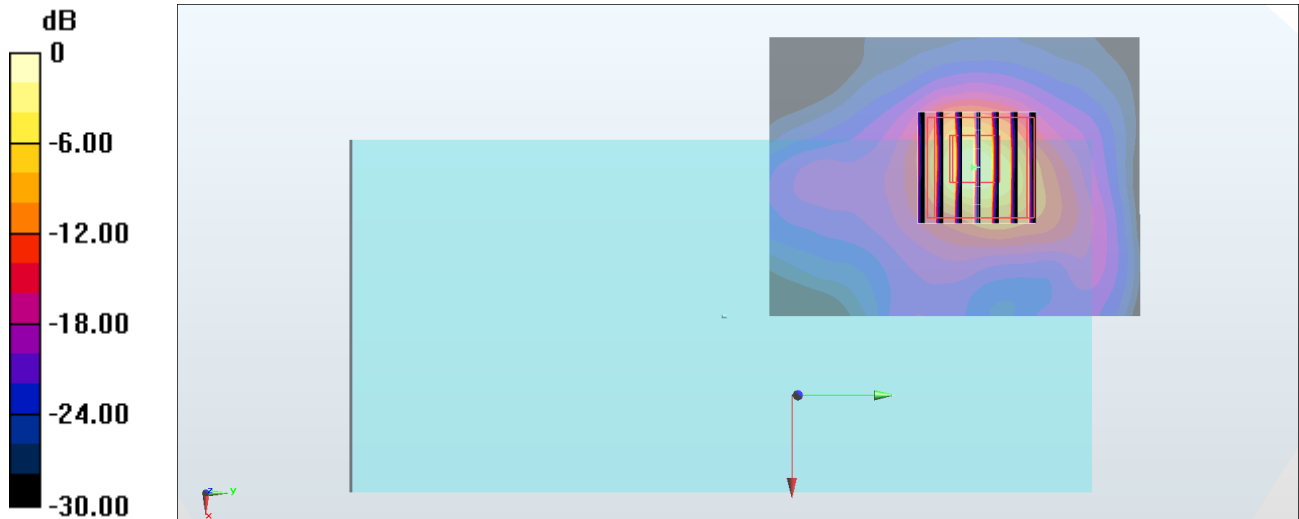
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 53.77 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 36.4 W/kg

**SAR(1 g) = 5.89 W/kg; SAR(10 g) = 1.14 W/kg**

Maximum value of SAR (measured) = 18.7 W/kg



0 dB = 18.7 W/kg = 12.72 dBW/kg