

**#01\_GSM850\_GPRS (4 Tx slots)\_Right Cheek\_Ch128**

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

Medium: HSL\_850\_181128 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.885$  S/m;  $\epsilon_r = 43.075$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.219 W/kg

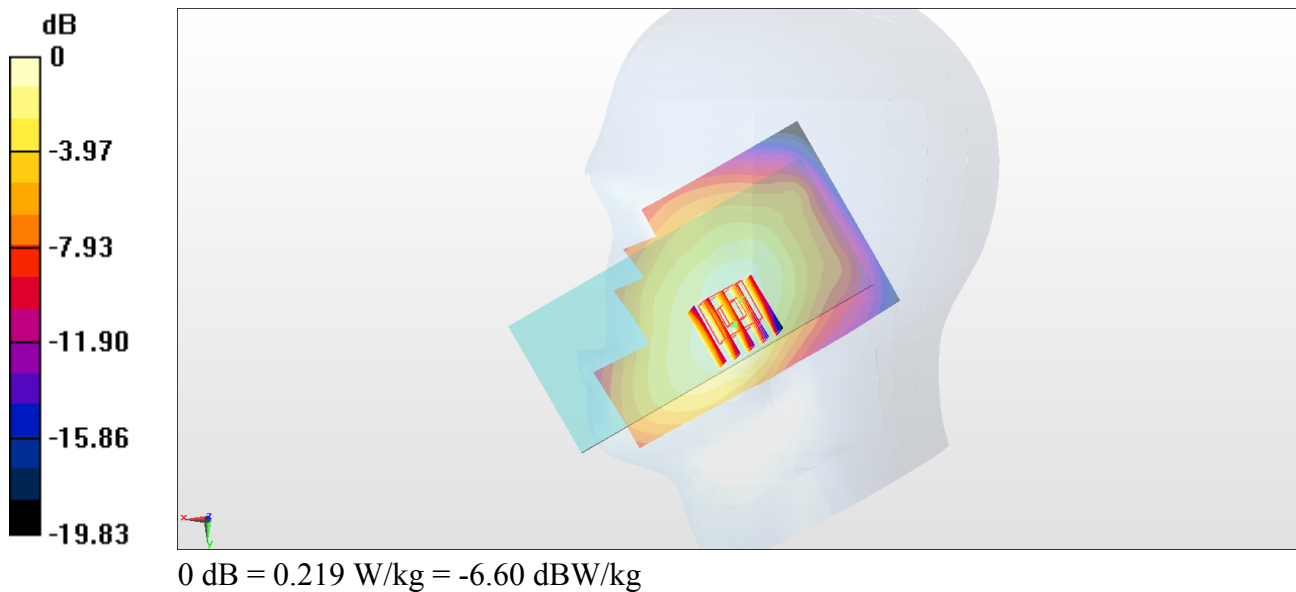
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 14.62 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.242 W/kg

**SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.160 W/kg**

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



**#02\_GSM1900\_GPRS (4 Tx slots)\_Right Cheek\_Ch810**

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

Medium: HSL\_1900\_181128 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.443$  S/m;  $\epsilon_r = 38.729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0263 W/kg

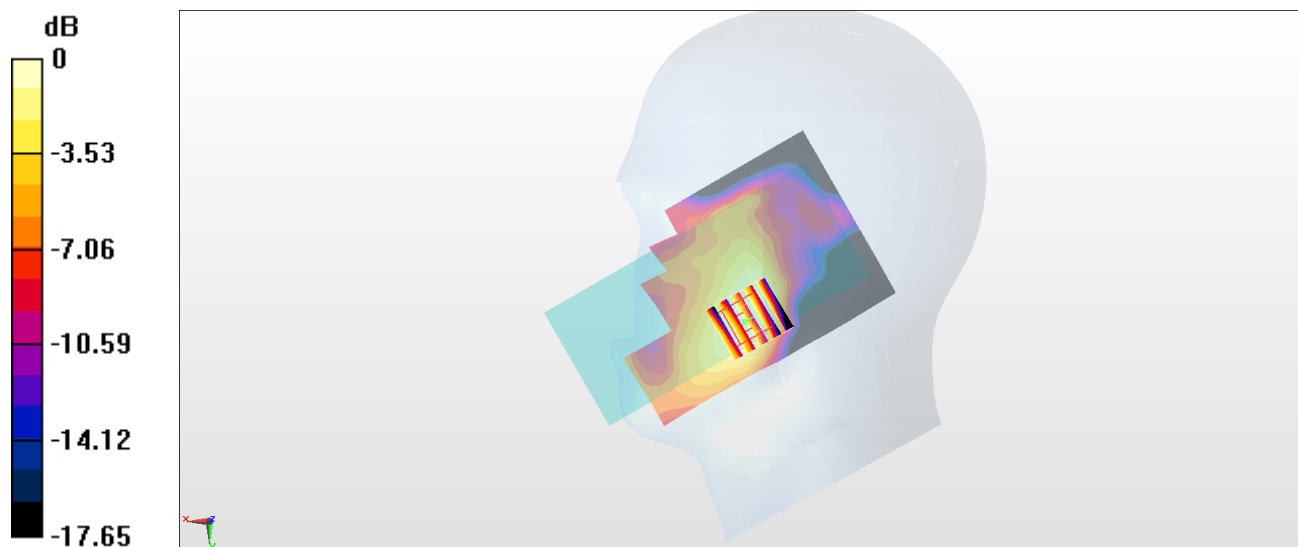
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 2.883 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.0400 W/kg

**SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.013 W/kg**

Maximum value of SAR (measured) = 0.0249 W/kg



0 dB = 0.0263 W/kg = -15.80 dBW/kg

**#03\_WCDMA II\_RMC 12.2Kbps\_Right Cheek\_Ch9538**

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

Medium: HSL\_1900\_181128 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.441$  S/m;  $\epsilon_r = 38.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9°C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0718 W/kg

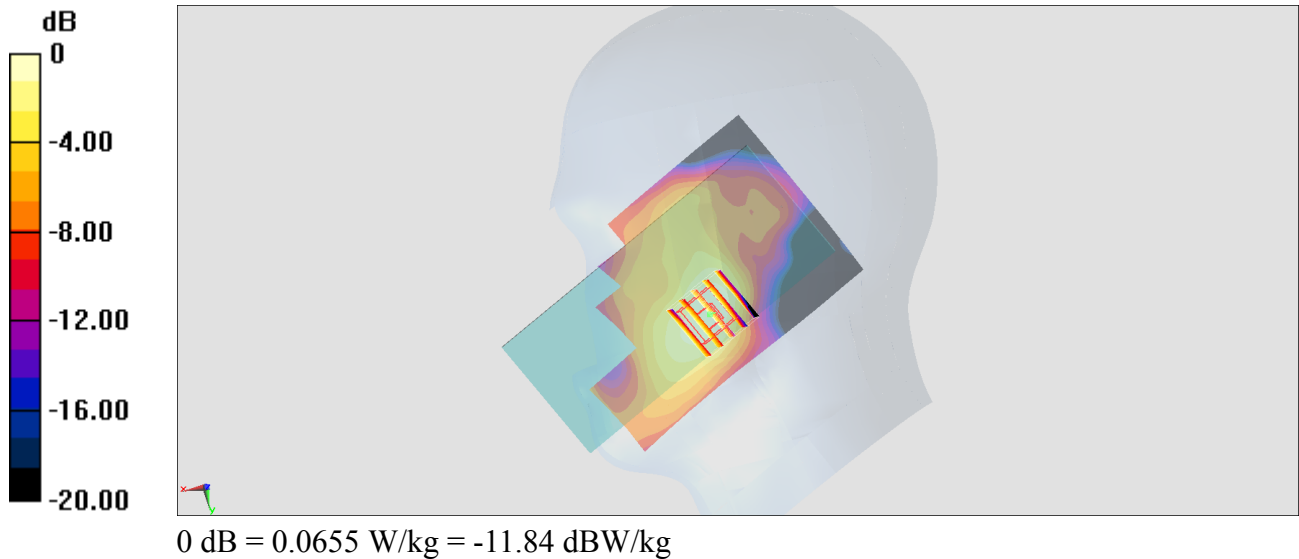
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.323 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.0890 W/kg

**SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.0655 W/kg



**#04\_WCDMA IV\_RMC 12.2Kbps\_Right Cheek\_Ch1413**

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

Medium: HSL\_1750\_181128 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.364$  S/m;  $\epsilon_r = 41.571$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0837 W/kg

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

Reference Value = 4.731 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.112 W/kg

**SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.044 W/kg**

Maximum value of SAR (measured) = 0.0783 W/kg



0 dB = 0.0837 W/kg = -10.77 dBW/kg

**#05\_WCDMA V\_RMC 12.2Kbps\_Right Cheek\_Ch4132**

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

Medium: HSL\_850\_181128 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.887$  S/m;  $\epsilon_r = 43.052$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

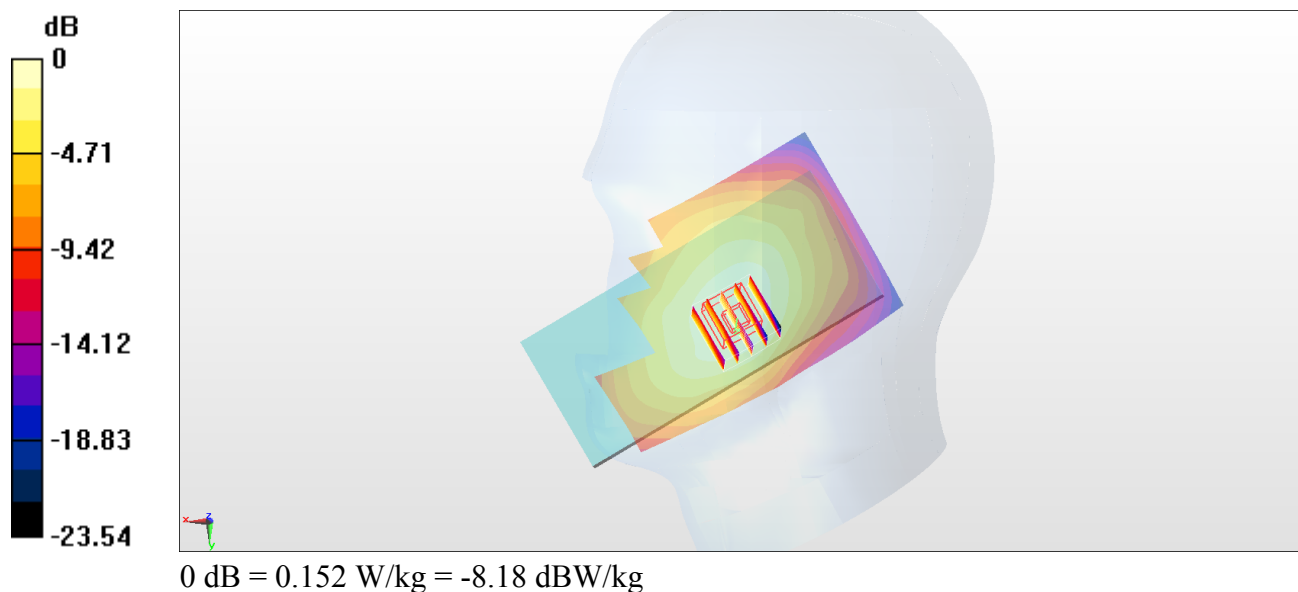
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 13.40 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.180 W/kg

**SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.106 W/kg**

Maximum value of SAR (measured) = 0.150 W/kg



**#06\_LTE Band 5\_10M\_QPSK\_1\_0\_Left Cheek\_Ch20525**

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

Medium: HSL\_850\_181128 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.899$  S/m;  $\epsilon_r = 42.94$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.39, 6.39, 6.39); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.149 W/kg

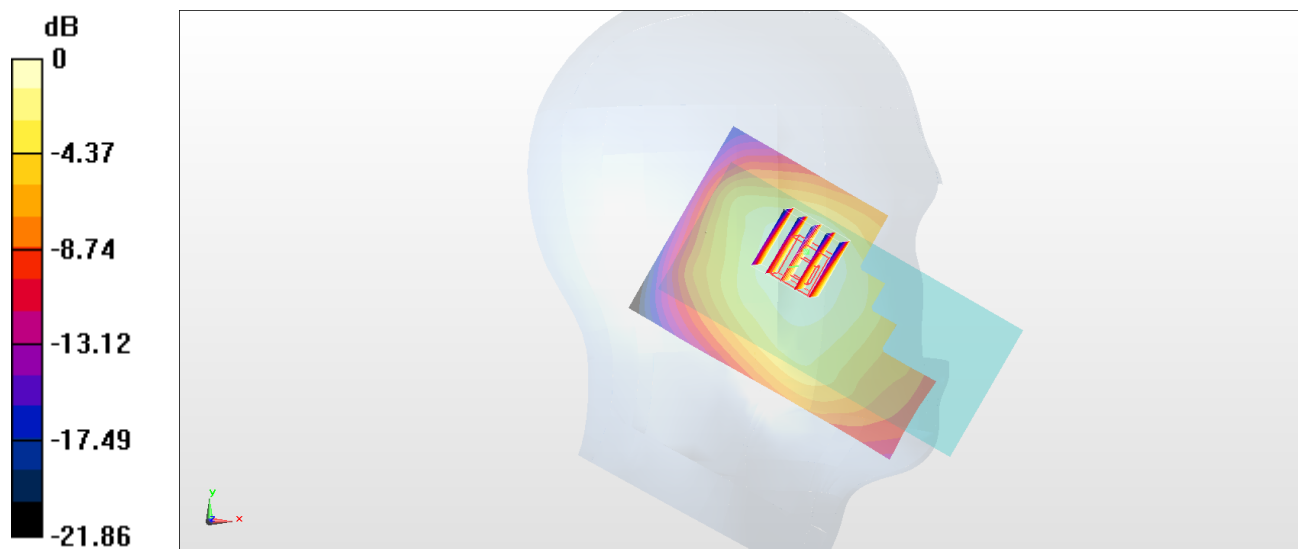
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.23 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.163 W/kg

**SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.105 W/kg**

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



0 dB = 0.149 W/kg = -8.27 dBW/kg

**#07\_LTE Band 7\_20M\_QPSK\_1\_99\_Right Tilted\_Ch20850**

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

Medium: HSL\_2600\_181128 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.891$  S/m;  $\epsilon_r = 37.834$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3270; ConvF(4.43, 4.43, 4.43) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

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

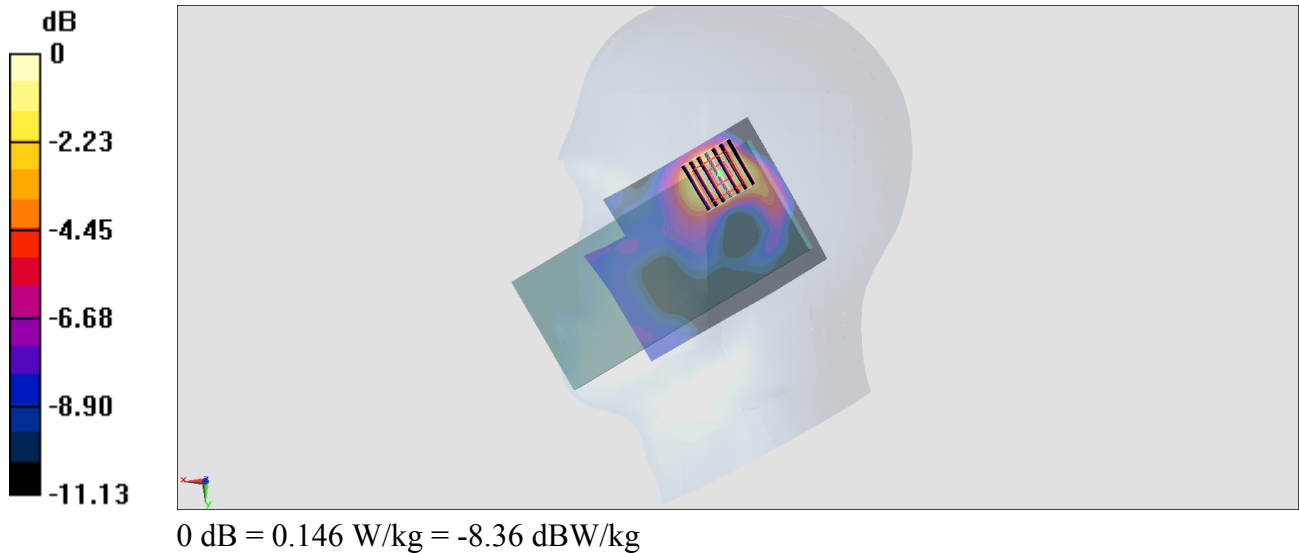
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.272 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.221 W/kg

**SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.066 W/kg**

Maximum value of SAR (measured) = 0.146 W/kg



**#08\_LTE Band 12\_10M\_QPSK\_1\_0\_Right Cheek\_Ch23095**

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

Medium: HSL\_750\_181129 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.851$  S/m;  $\epsilon_r = 43.559$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.172 W/kg

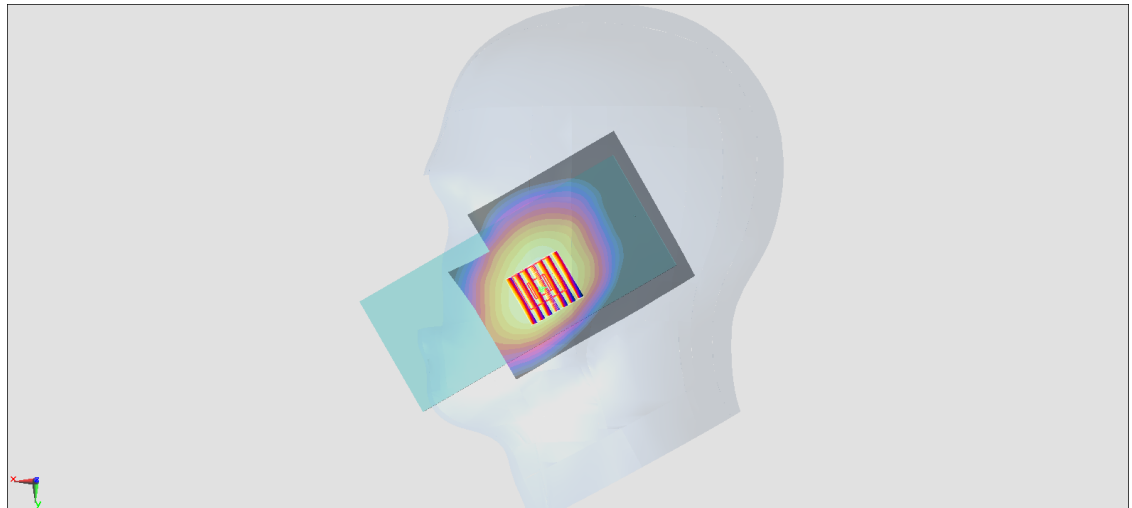
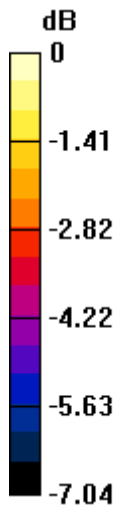
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.42 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.180 W/kg

**SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.120 W/kg**

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



0 dB = 0.164 W/kg = -7.85 dBW/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\_181129 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.918$  S/m;  $\epsilon_r = 42.684$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.56, 6.56, 6.56) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 0.180 W/kg

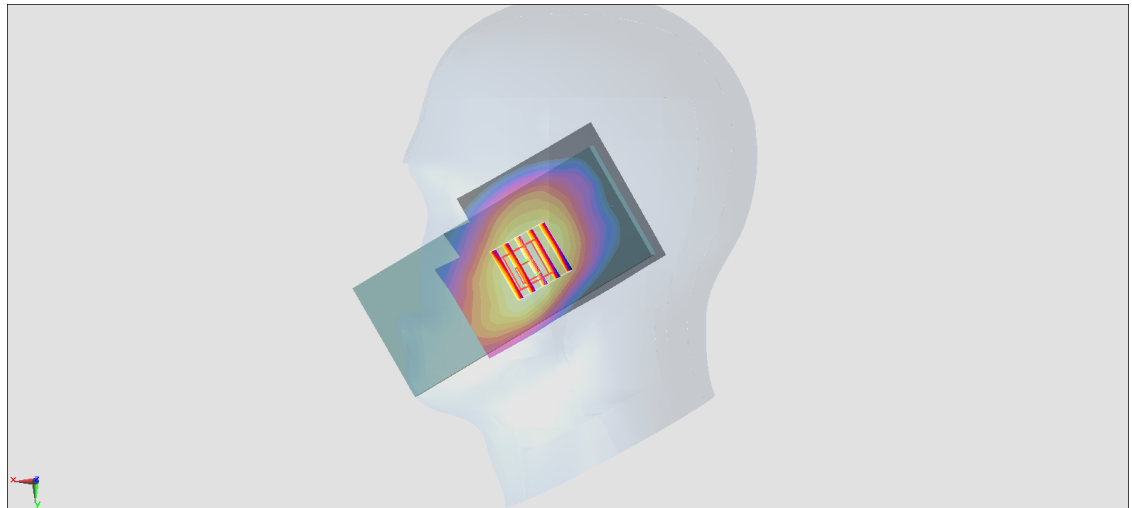
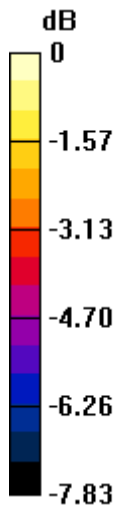
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.66 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.134 W/kg**

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



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

**#10\_LTE Band 25\_20M\_QPSK\_1\_0\_Right Cheek\_Ch26590**

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

Medium: HSL\_1900\_181128 Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.439$  S/m;  $\epsilon_r = 38.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.17, 5.17, 5.17); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.0698 W/kg

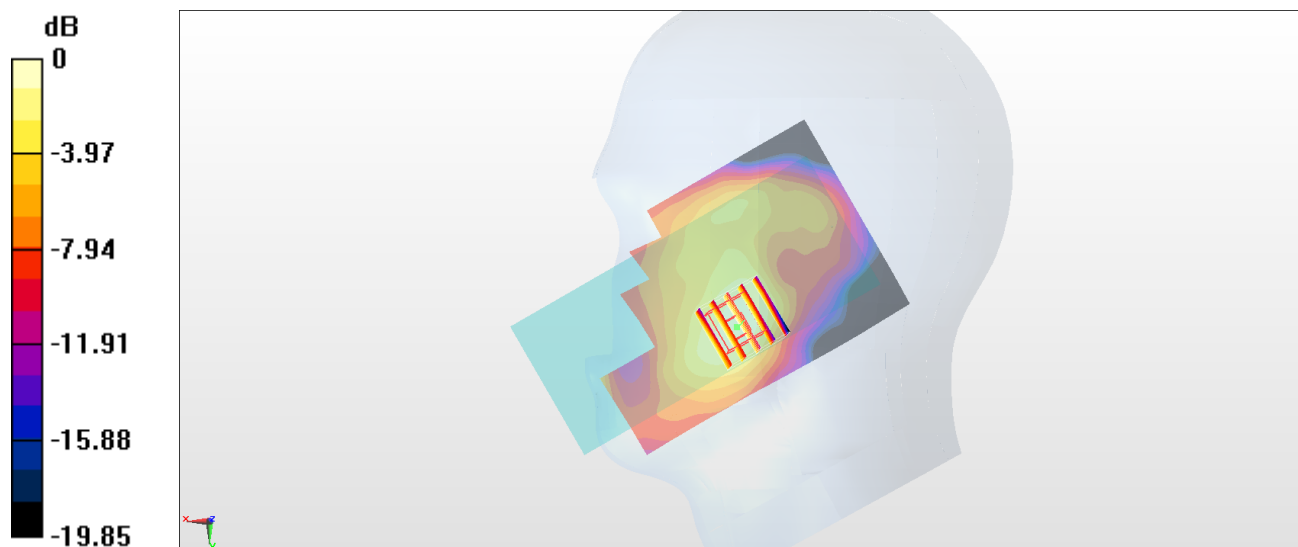
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.837 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.0870 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.0663 W/kg



0 dB = 0.0698 W/kg = -11.56 dBW/kg

**#11\_LTE Band 66\_20M\_QPSK\_1\_0\_Right Cheek\_Ch132322**

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL\_1750\_181128 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.388$  S/m;  $\epsilon_r = 41.537$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(5.42, 5.42, 5.42); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DDASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

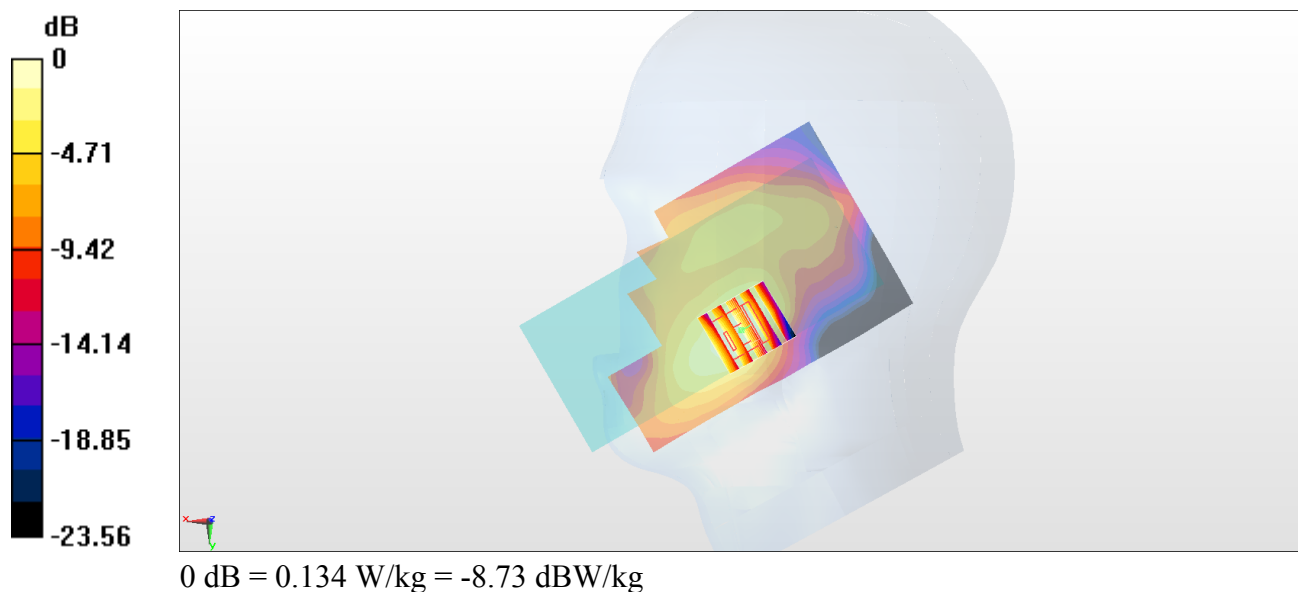
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 9.455 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.167 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.072 W/kg**

Maximum value of SAR (measured) = 0.129 W/kg



**#12\_WLAN2.4GHz\_802.11b 1Mbps\_Left Cheek\_Ch11**

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

Medium: HSL\_2450\_181123 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.783$  S/m;  $\epsilon_r = 39.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(7.42, 7.42, 7.42) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.910 W/kg

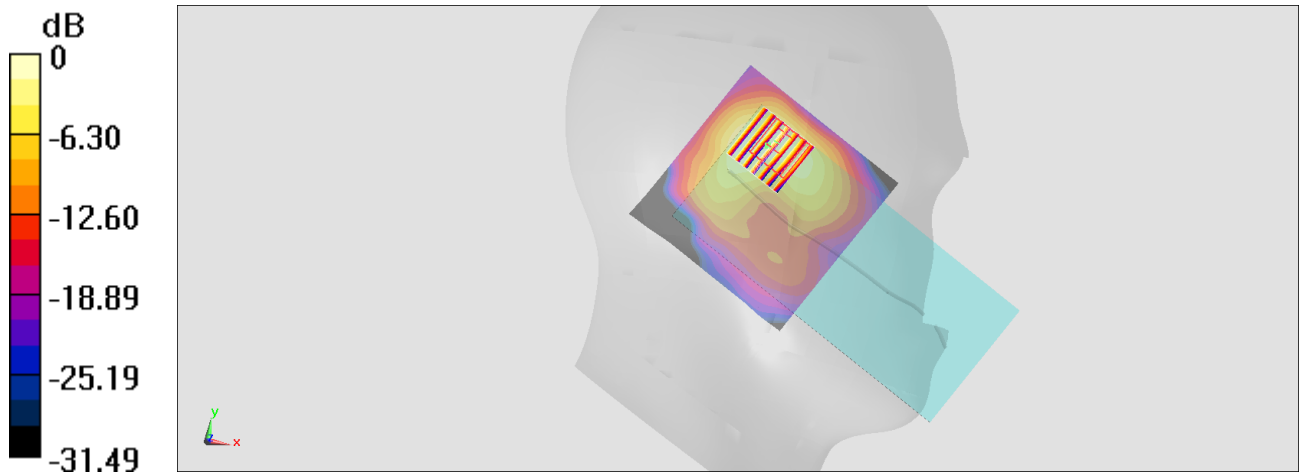
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.53 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.259 W/kg**

Maximum value of SAR (measured) = 0.949 W/kg



0 dB = 0.949 W/kg = -0.23 dBW/kg

**#13\_WLAN5GHz\_802.11a 6Mbps\_Left Tilted\_Ch64**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.053

Medium: HSL\_5G\_181123 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.766$  S/m;  $\epsilon_r = 37.337$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(5.45, 5.45, 5.45) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 1.31 W/kg

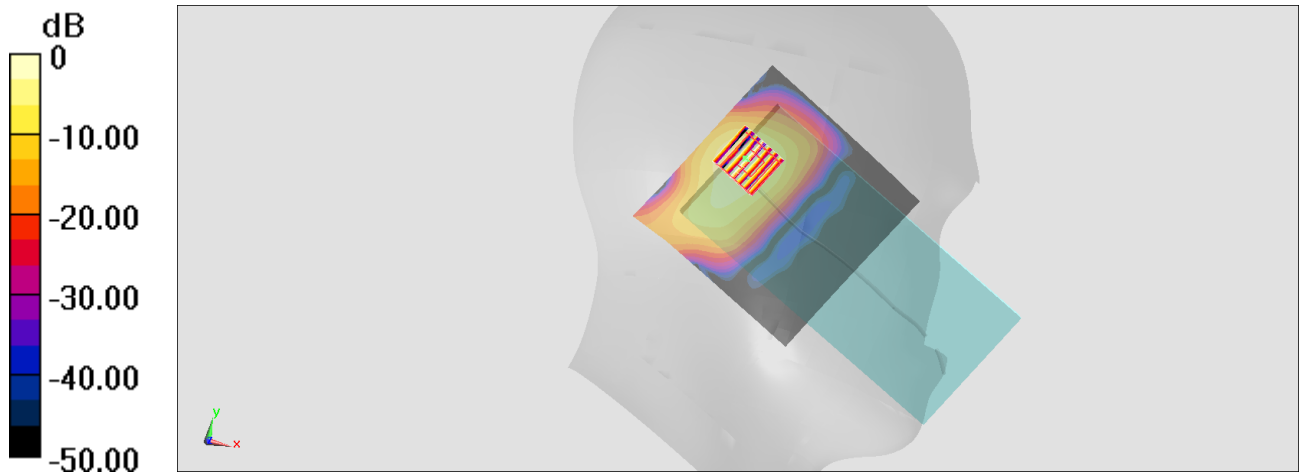
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 18.92 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.68 W/kg

**SAR(1 g) = 0.696 W/kg; SAR(10 g) = 0.216 W/kg**

Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg = 2.17 dBW/kg

**#14\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_Ch100**

Communication System: 802.11a; Frequency: 5500 MHz; Duty Cycle: 1:1.053

Medium: HSL\_5G\_181123 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.922$  S/m;  $\epsilon_r = 37.092$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(4.83, 4.83, 4.83) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

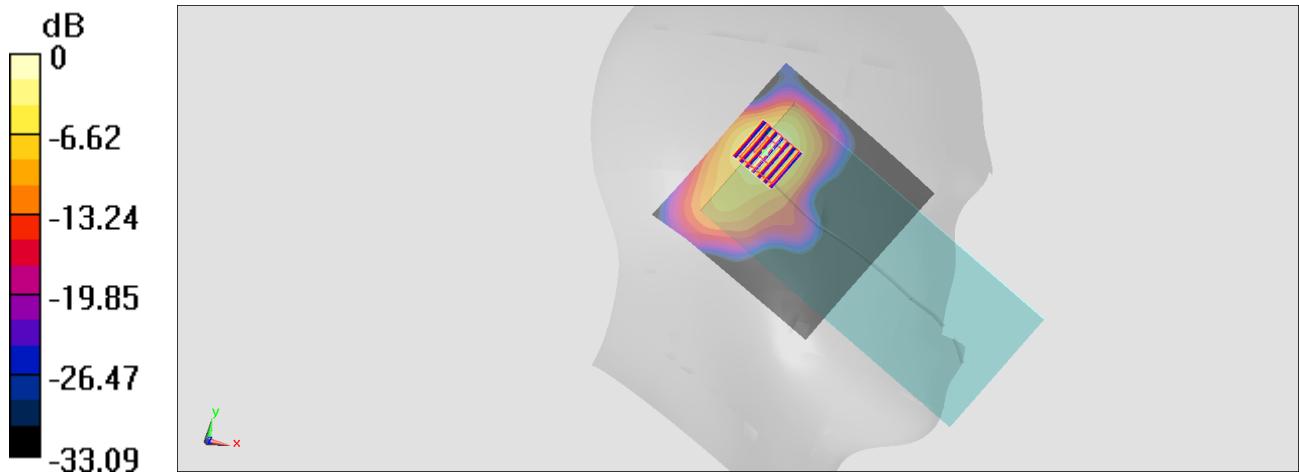
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 18.51 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.04 W/kg

**SAR(1 g) = 0.499 W/kg; SAR(10 g) = 0.159 W/kg**

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



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

**#15\_WLAN5GHz\_802.11a 6Mbps\_Left Tilted\_Ch165**

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1.053

Medium: HSL\_5G\_181125 Medium parameters used:  $f = 5825$  MHz;  $\sigma = 5.327$  S/m;  $\epsilon_r = 36.792$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(4.95, 4.95, 4.95) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 2.29 W/kg

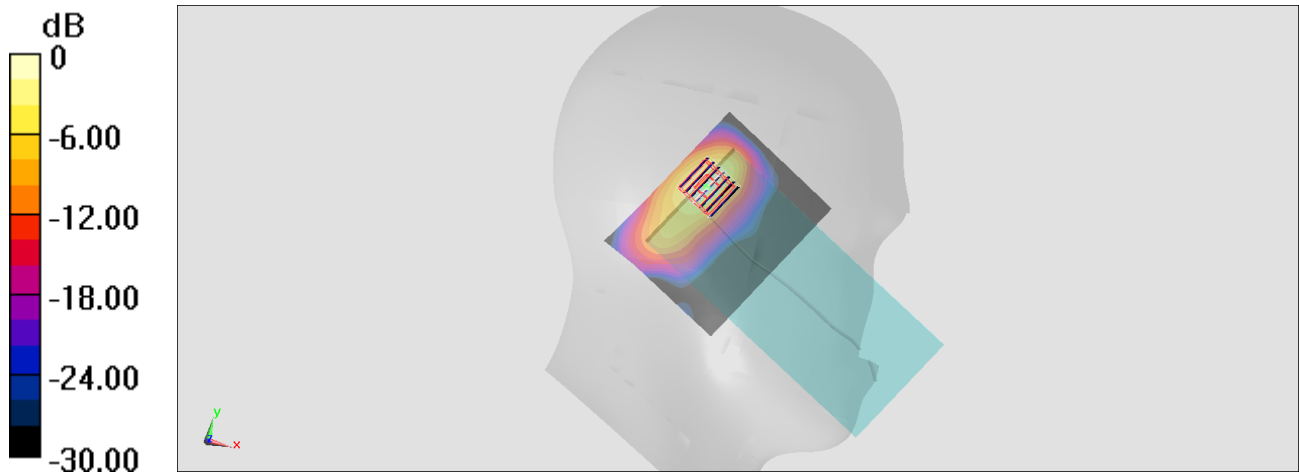
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 22.66 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.03 W/kg

**SAR(1 g) = 0.853 W/kg; SAR(10 g) = 0.257 W/kg**

Maximum value of SAR (measured) = 2.24 W/kg



0 dB = 2.24 W/kg = 3.50 dBW/kg

## #16\_Bluetooth\_1Mbps\_Left Cheek\_Ch0

Communication System: Bluetooth ; Frequency: 2402 MHz; Duty Cycle: 1:1.298

Medium: HSL\_2450\_181126 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.716$  S/m;  $\epsilon_r = 39.535$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(7.42, 7.42, 7.42); Calibrated: 2018/10/3;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.135 W/kg

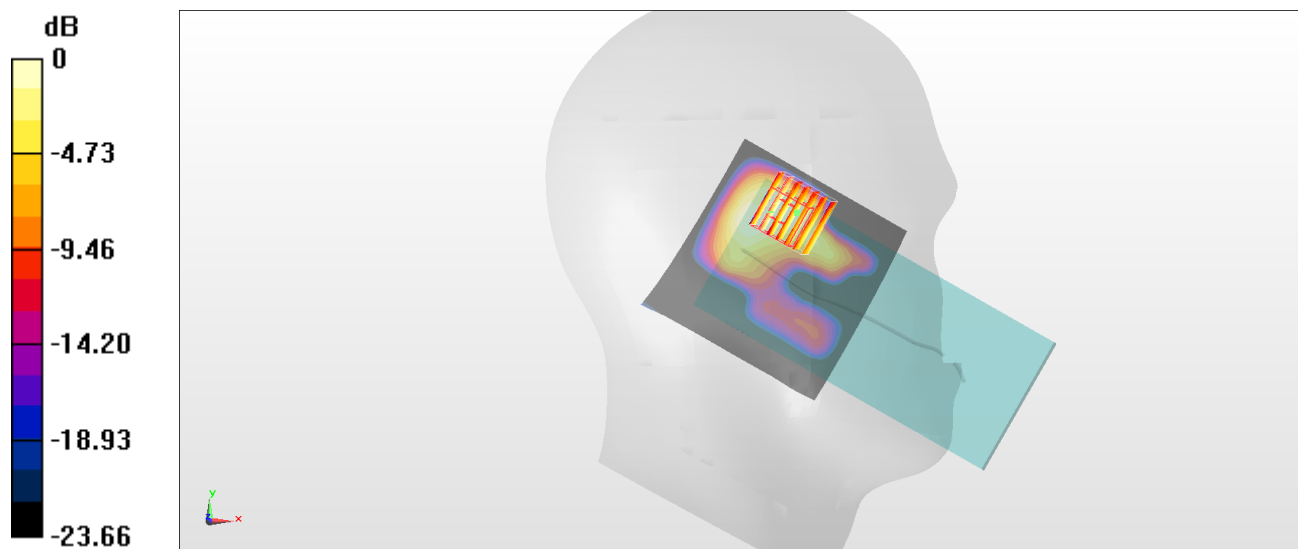
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.792 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.179 W/kg

**SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.136 W/kg



0 dB = 0.135 W/kg = -8.70 dBW/kg

**#17\_GSM850\_GPRS (4 Tx slots)\_Back\_10mm\_Ch128**

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

Medium: MSL\_850\_181129 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.957$  S/m;  $\epsilon_r = 57.483$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.11, 6.11, 6.11); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

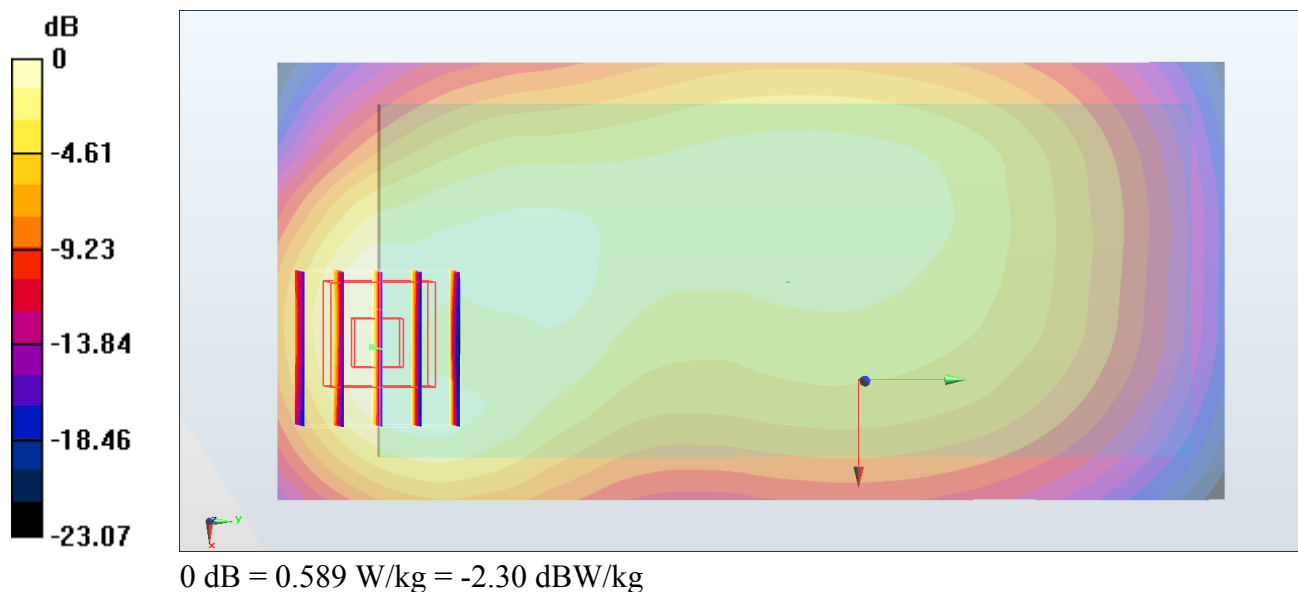
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 26.25 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.890 W/kg

**SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.298 W/kg**

Maximum value of SAR (measured) = 0.630 W/kg



**#18\_GSM1900\_GPRS (4 Tx slots)\_Back\_10mm\_Ch512**

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

Medium: MSL\_1900\_181126 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.691$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.87, 7.87, 7.87) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- 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) = 1.45 W/kg

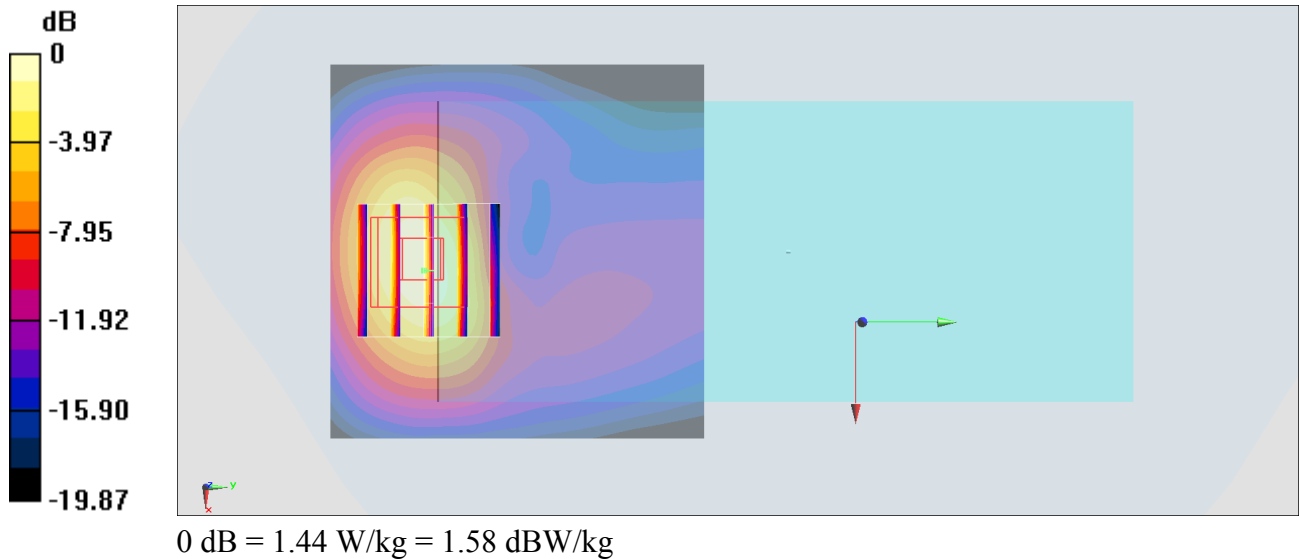
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.73 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.521 W/kg**

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



**#19\_WCDMA II\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch9538**

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

Medium: MSL\_1900\_181125 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.56$  S/m;  $\epsilon_r = 52.37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.87, 7.87, 7.87) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- 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) = 1.56 W/kg

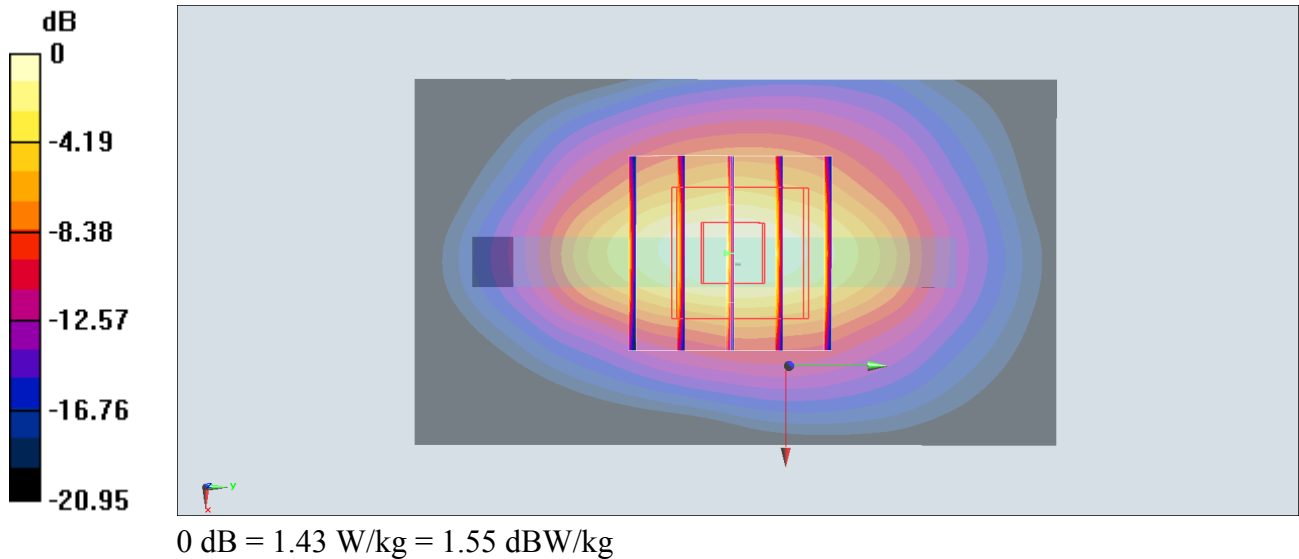
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.25 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.70 W/kg

**SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.451 W/kg**

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



**#20\_WCDMA IV\_RMC 12.2Kbps\_Bottom Side\_10mm\_Ch1513**

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

Medium: MSL1750\_181125 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.453$  S/m;  $\epsilon_r = 55.05$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(8.22, 8.22, 8.22) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- 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) = 1.65 W/kg

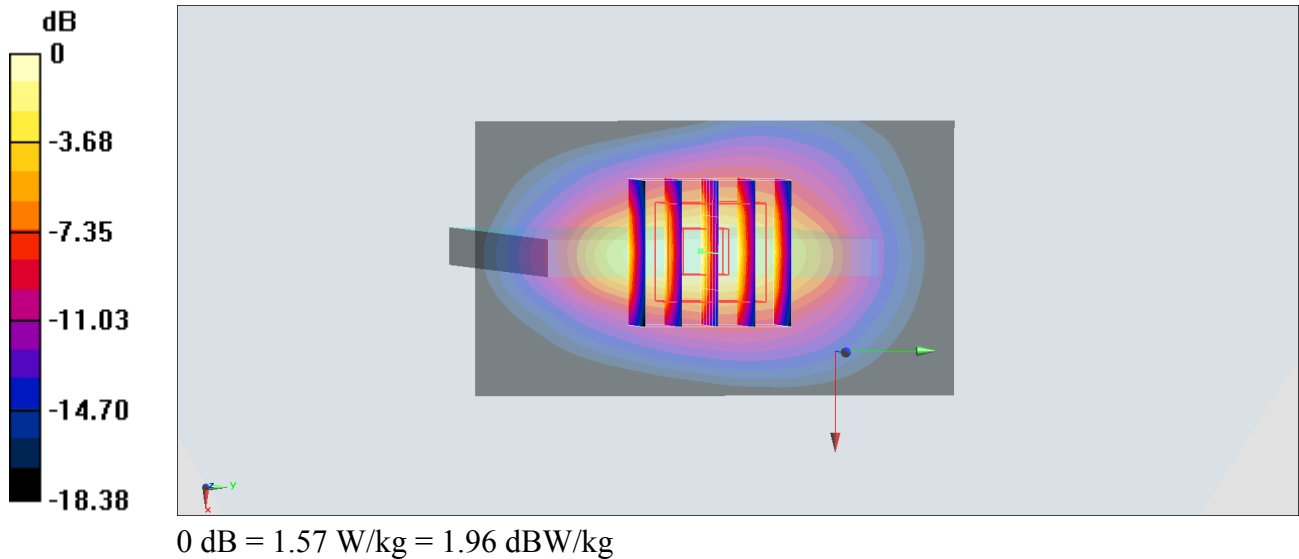
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.69 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.85 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.525 W/kg**

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



**#21\_WCDMA V\_RMC 12.2Kbps\_Back\_10mm\_Ch4132**

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

Medium: MSL\_850\_181127 Medium parameters used :  $f = 826.4$  MHz;  $\sigma = 0.937$  S/m;  $\epsilon_r = 54.597$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7°C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(9.82, 9.82, 9.82) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.450 W/kg

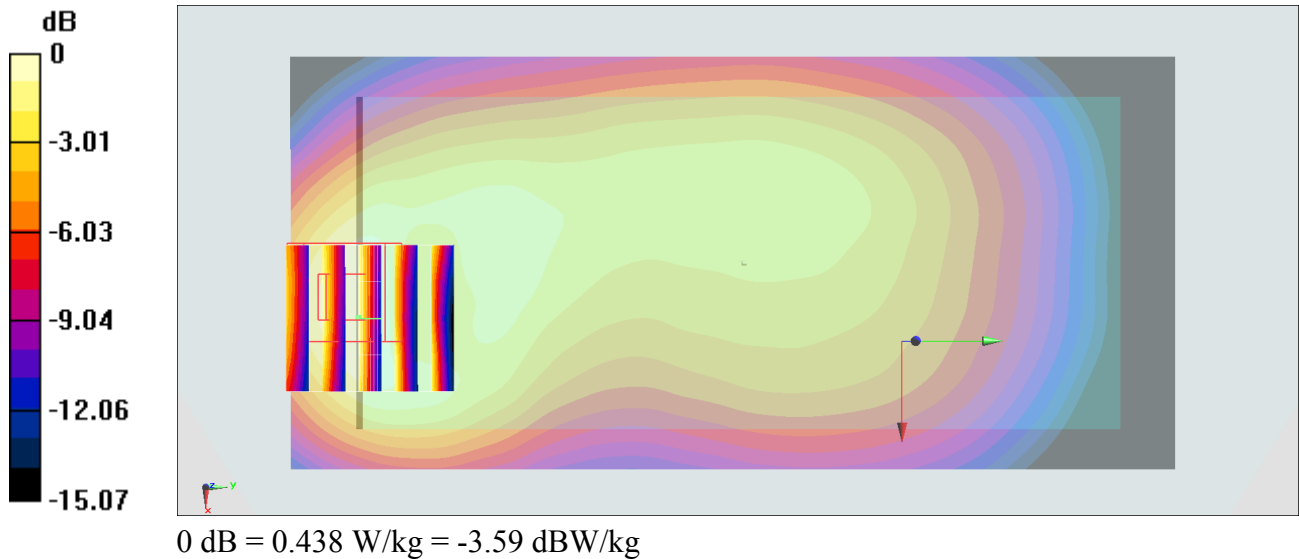
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.38 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.542 W/kg

**SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.183 W/kg**

Maximum value of SAR (measured) = 0.438 W/kg



**#22\_LTE Band 5\_10M\_QPSK\_1\_0\_Back\_10mm\_Ch20525**

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

Medium: MSL\_850\_181127 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.95$  S/m;  $\epsilon_r = 54.49$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7°C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(9.82, 9.82, 9.82) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- 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) = 0.536 W/kg

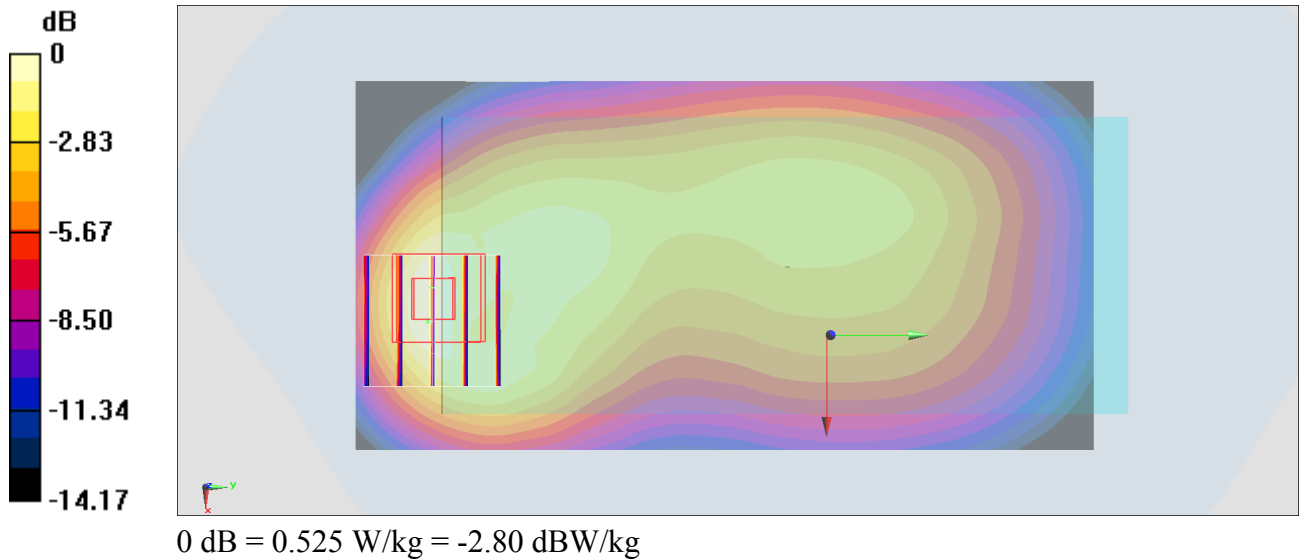
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.24 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.628 W/kg

**SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.220 W/kg**

Maximum value of SAR (measured) = 0.525 W/kg



**#23\_LTE Band 7\_20M\_QPSK\_1\_99\_Back\_10mm\_Ch20850**

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

Medium: MSL\_2600\_181125 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.112$  S/m;  $\epsilon_r = 50.981$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306;ConvF(7.47, 7.47, 7.47) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

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

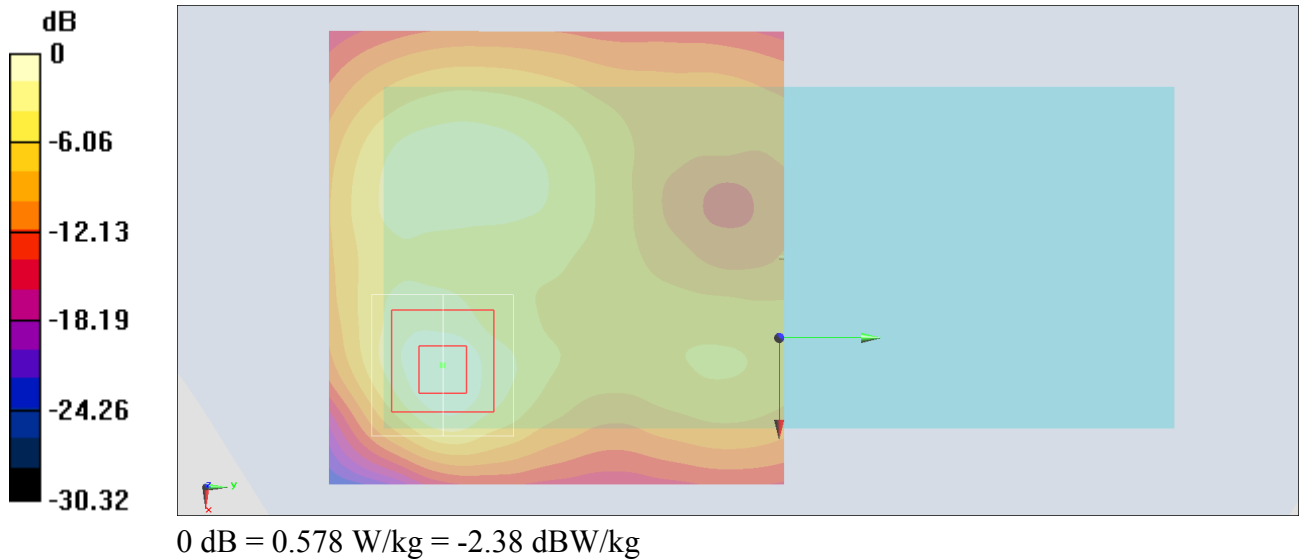
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.659 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.760 W/kg

**SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.153 W/kg**

Maximum value of SAR (measured) = 0.578 W/kg



**#24\_LTE Band 12\_10M\_QPSK\_1\_0\_Back\_10mm\_Ch23095**

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

Medium: MSL\_750\_181127 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.099$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(10.06, 10.06, 10.06) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.327 W/kg

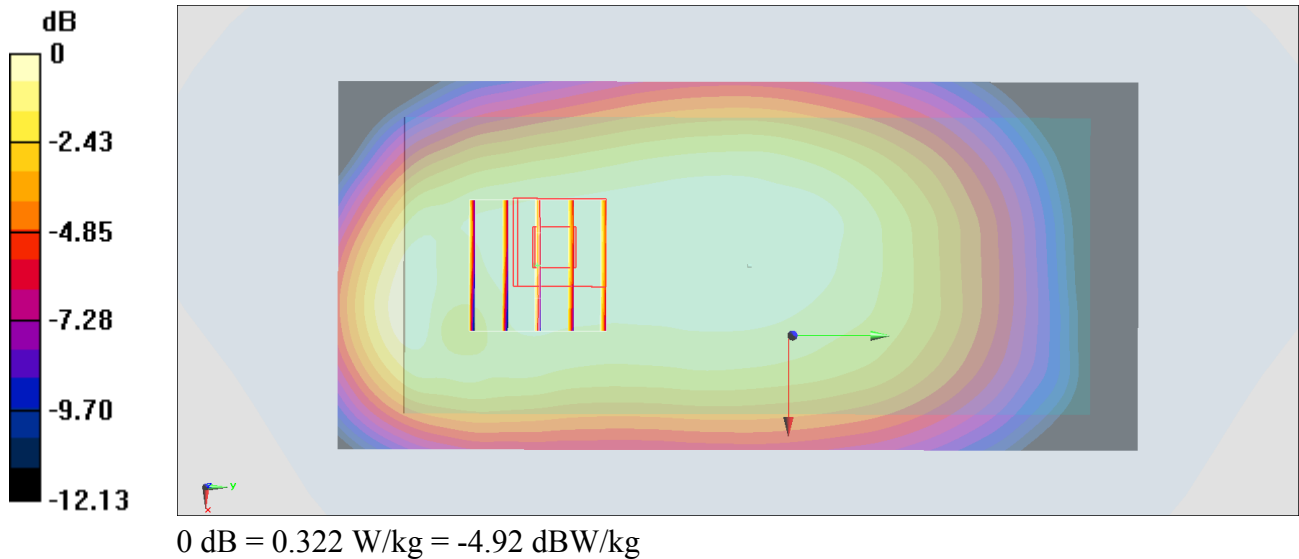
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.42 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.352 W/kg

**SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.211 W/kg**

Maximum value of SAR (measured) = 0.322 W/kg



**#25\_LTE Band 13\_10M\_QPSK\_1\_0\_Right Side\_10mm\_Ch23230**

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

Medium: MSL\_750\_181127 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 1.004 \text{ S/m}$ ;  $\epsilon_r = 53.391$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5^\circ\text{C}$ ; Liquid Temperature :  $22.5^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(10.06, 10.06, 10.06) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) =  $0.417 \text{ W/kg}$

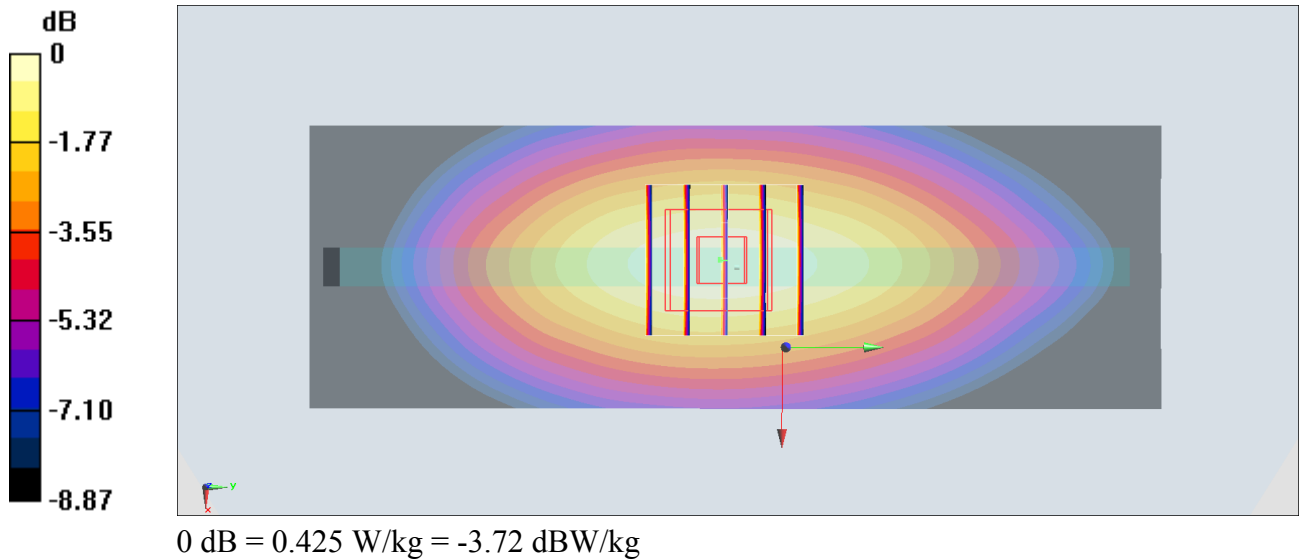
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $21.12 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.477 \text{ W/kg}$

**SAR(1 g) =  $0.329 \text{ W/kg}$ ; SAR(10 g) =  $0.232 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.425 \text{ W/kg}$



**#26\_LTE Band 25\_20M\_QPSK\_1\_0\_Bottom Side\_10mm\_Ch26590**

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

Medium: MSL\_1900\_181123 Medium parameters used :  $f = 1905$  MHz;  $\sigma = 1.539$  S/m;  $\epsilon_r = 52.479$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- 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) = 1.06 W/kg

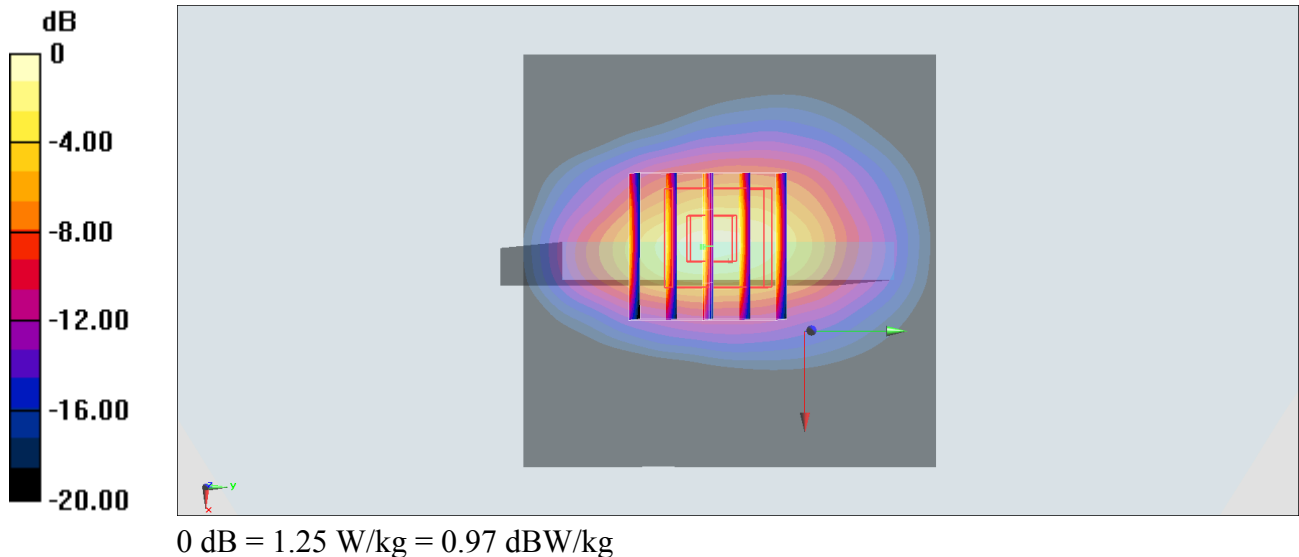
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 16.97 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 1 W/kg; SAR(10 g) = 0.501 W/kg**

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



**#27\_LTE Band 66\_20M\_QPSK\_1\_0\_Bottom Side\_10mm\_Ch132322**

Communication System: LTE ; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium: MSL1750\_181125 Medium parameters used :  $f = 1745$  MHz;  $\sigma = 1.444$  S/m;  $\epsilon_r = 55.075$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306;ConvF(8.22, 8.22, 8.22) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- 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 (31x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

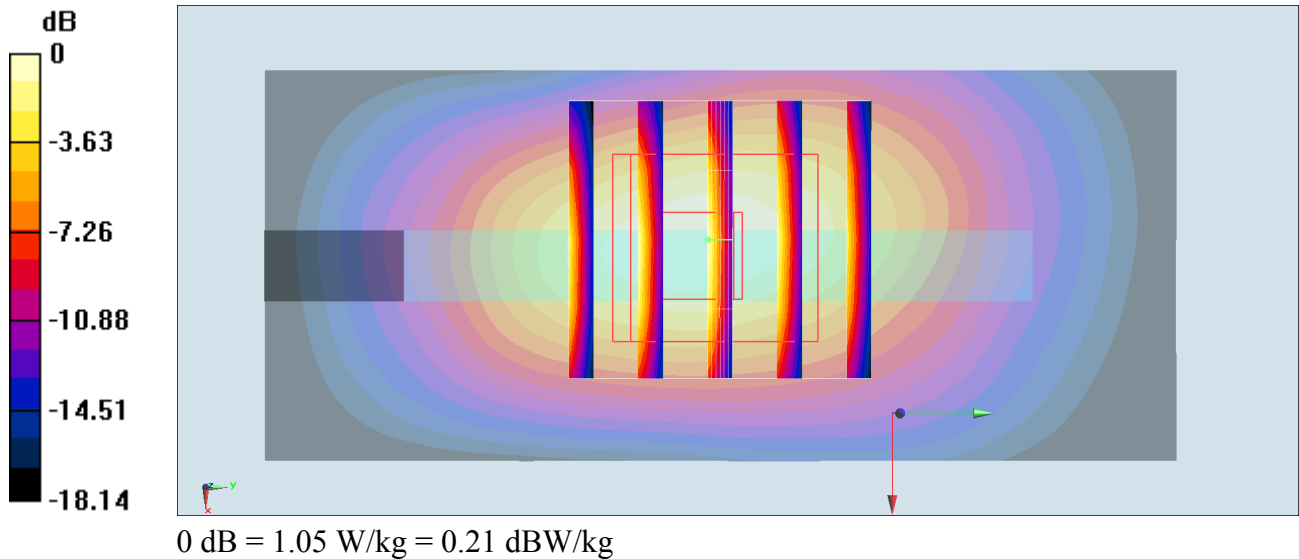
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.51 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.722 W/kg; SAR(10 g) = 0.373 W/kg**

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



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

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

Medium: MSL\_2450\_181124 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.968$  S/m;  $\epsilon_r = 52.544$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

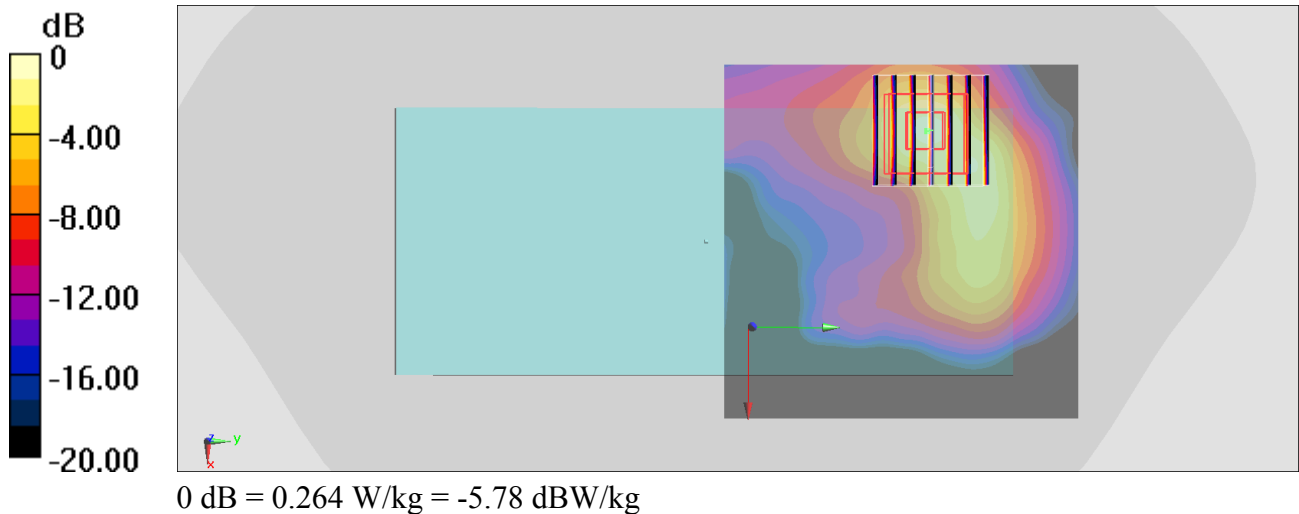
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.423 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.326 W/kg

**SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.063 W/kg**

Maximum value of SAR (measured) = 0.264 W/kg



## #29\_Bluetooth\_1Mbps\_Back\_10mm\_Ch0

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.298

Medium: MSL\_2450\_181129 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 54.425$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.36, 4.36, 4.36); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

Maximum value of SAR (interpolated) = 0.0318 W/kg

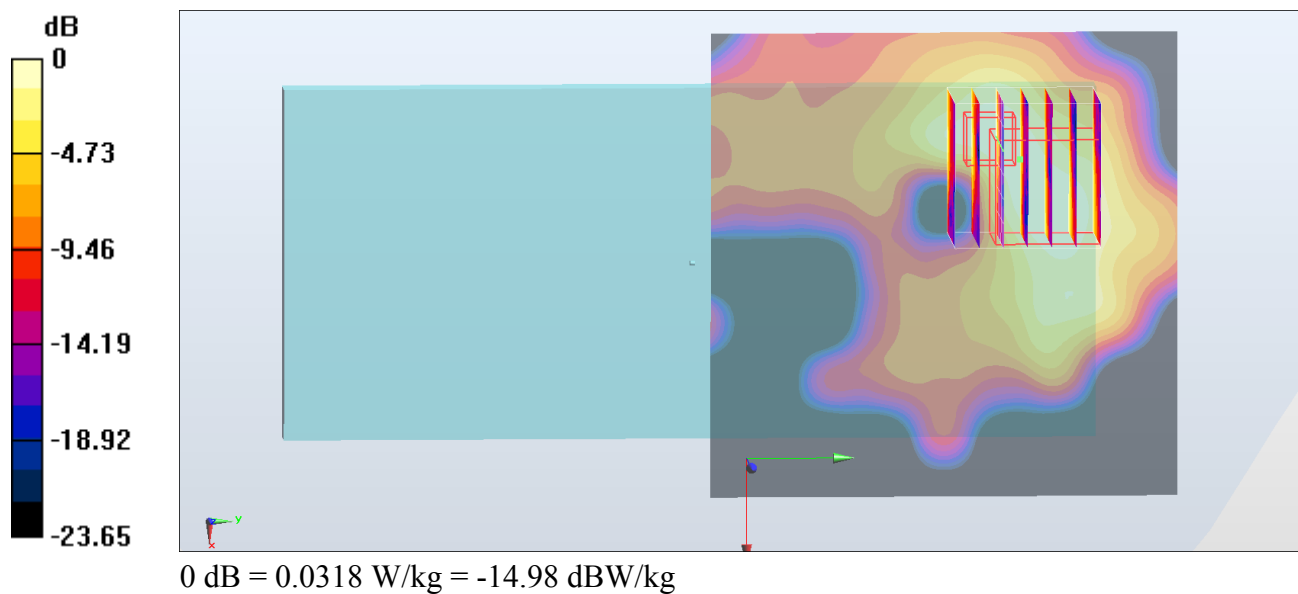
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0.7600 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0520 W/kg

**SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.00998 W/kg**

Maximum value of SAR (measured) = 0.0311 W/kg



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

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

Medium: MSL\_850\_181129 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.957$  S/m;  $\epsilon_r = 57.483$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(6.11, 6.11, 6.11); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.312 W/kg

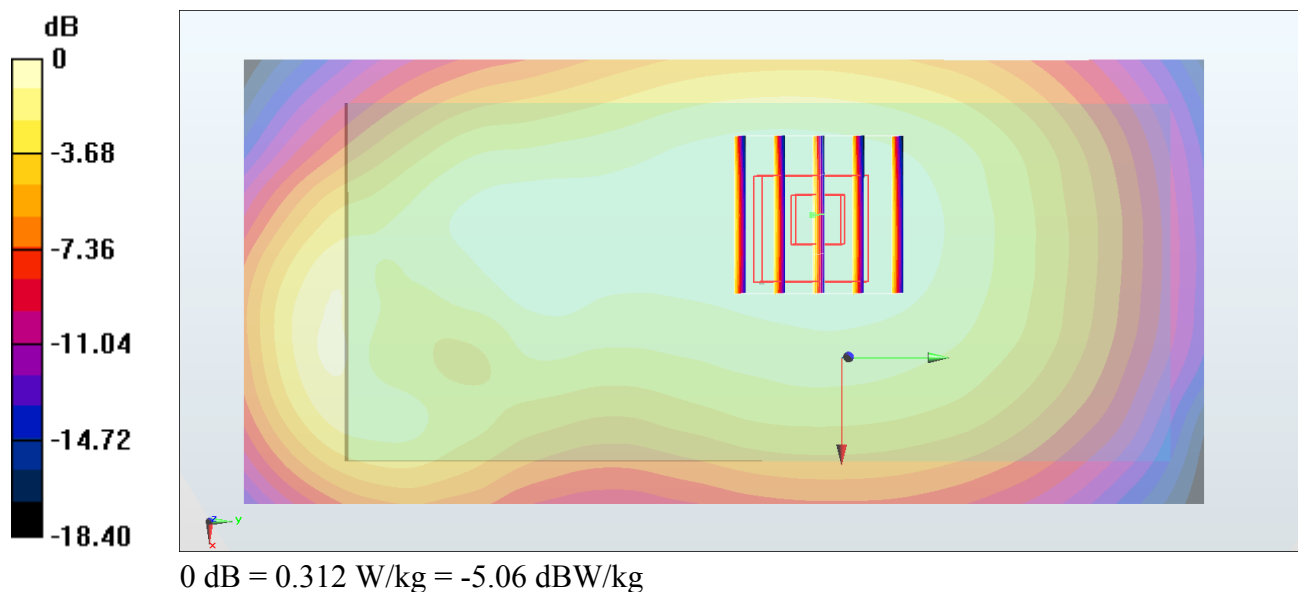
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.80 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.370 W/kg

**SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.218 W/kg**

Maximum value of SAR (measured) = 0.319 W/kg



**#31\_GSM1900\_GPRS (4 Tx slots)\_Back\_15mm\_Ch810**

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

Medium: MSL\_1900\_181126 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.558$  S/m;  $\epsilon_r = 52.437$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.87, 7.87, 7.87) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- 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) = 0.677 W/kg

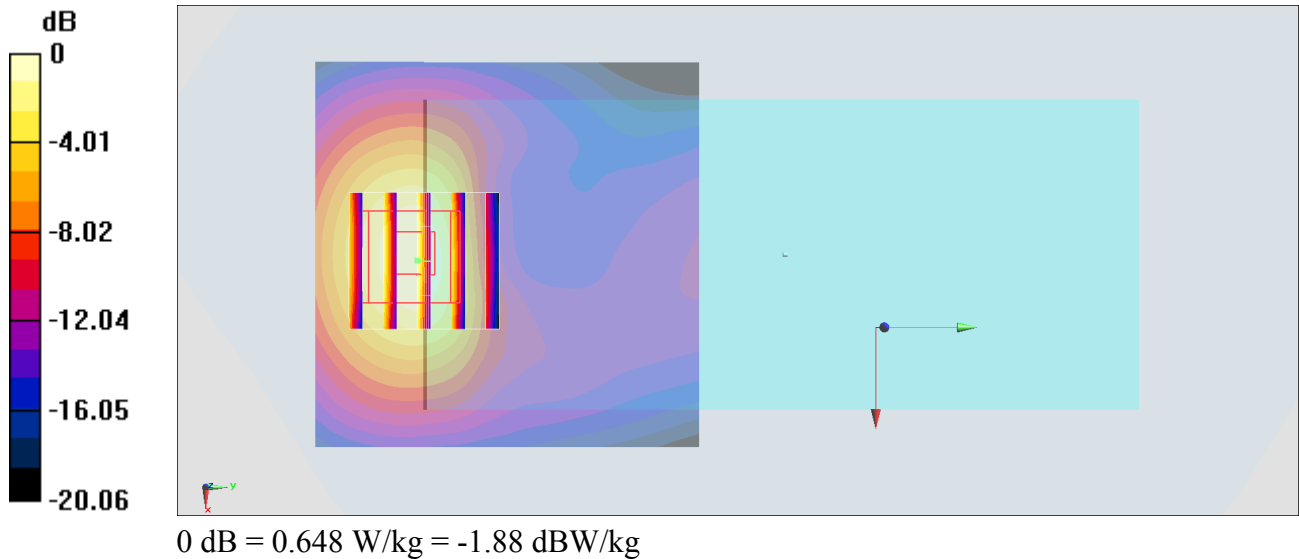
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.92 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.778 W/kg

**SAR(1 g) = 0.446 W/kg; SAR(10 g) = 0.242 W/kg**

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



**#32\_WCDMA II\_RMC 12.2Kbps\_Back\_15mm\_Ch9538**

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

Medium: MSL\_1900\_181125 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.56$  S/m;  $\epsilon_r = 52.37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.87, 7.87, 7.87) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- 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) = 0.933 W/kg

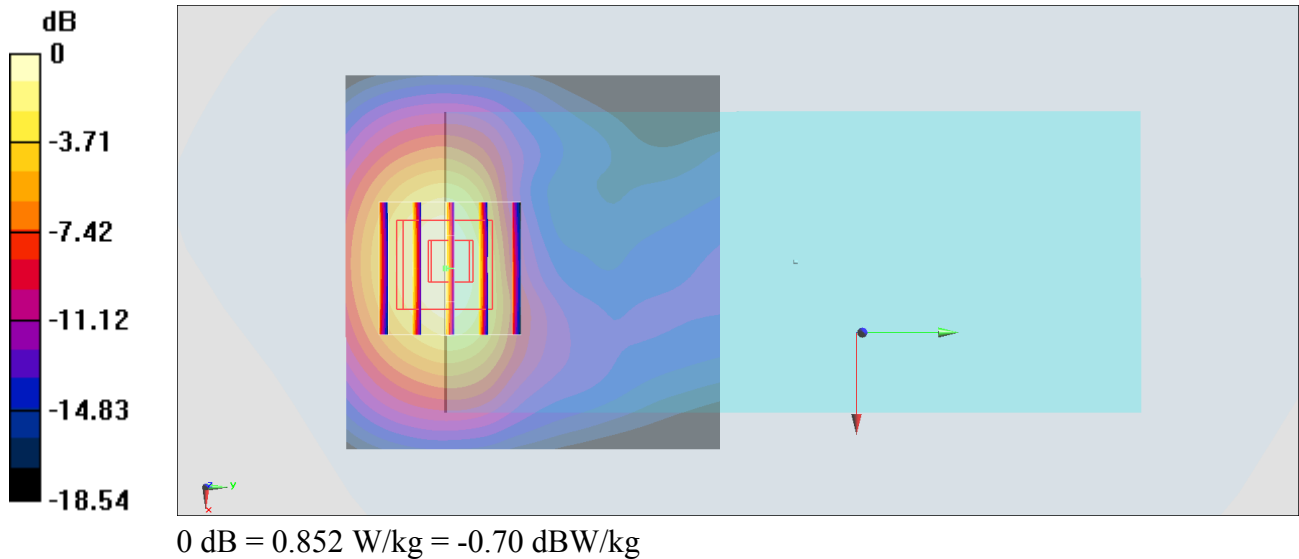
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.87 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.00 W/kg

**SAR(1 g) = 0.596 W/kg; SAR(10 g) = 0.325 W/kg**

Maximum value of SAR (measured) = 0.852 W/kg



**#33\_WCDMA IV\_RMC 12.2Kbps\_Back\_15mm\_Ch1413**

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

Medium: MSL1750\_181125 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.431$  S/m;  $\epsilon_r = 55.118$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(8.22, 8.22, 8.22) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- 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) = 0.804 W/kg

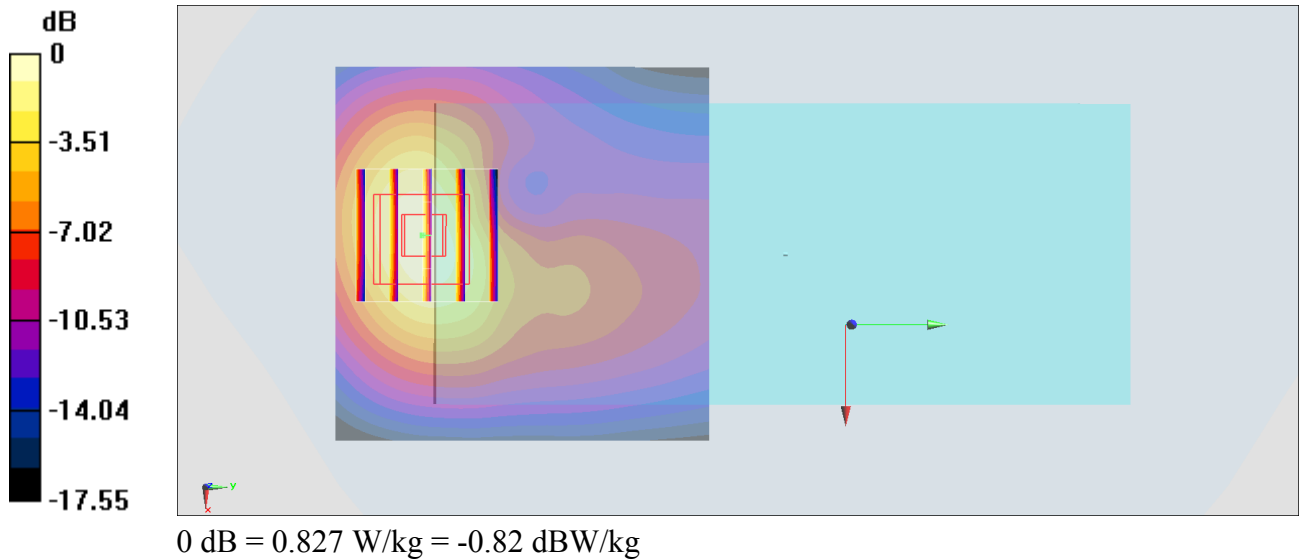
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.88 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.947 W/kg

**SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.337 W/kg**

Maximum value of SAR (measured) = 0.827 W/kg



**#34\_WCDMA V\_RMC 12.2Kbps\_Back\_15mm\_Ch4132**

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

Medium: MSL\_850\_181127 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.937$  S/m;  $\epsilon_r = 54.597$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7°C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(9.82, 9.82, 9.82) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

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

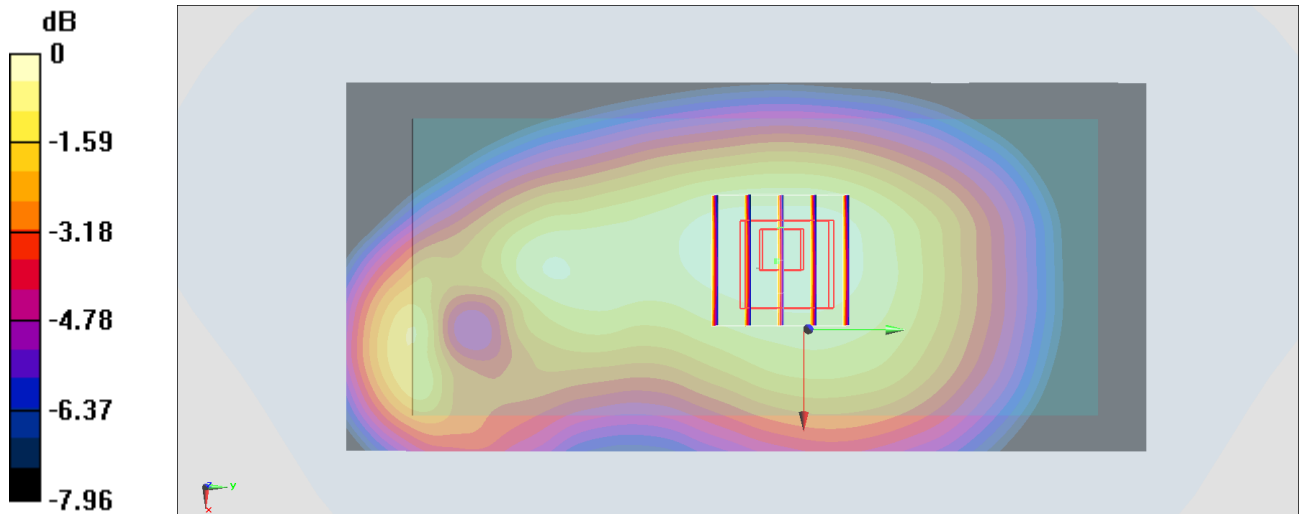
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.41 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.254 W/kg

**SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.145 W/kg**

Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg = -6.38 dBW/kg

**#35\_LTE Band 5\_10M\_QPSK\_1\_0\_Back\_15mm\_Ch20525**

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

Medium: MSL\_850\_181127 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.95$  S/m;  $\epsilon_r = 54.49$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7°C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(9.82, 9.82, 9.82) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- 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) = 0.289 W/kg

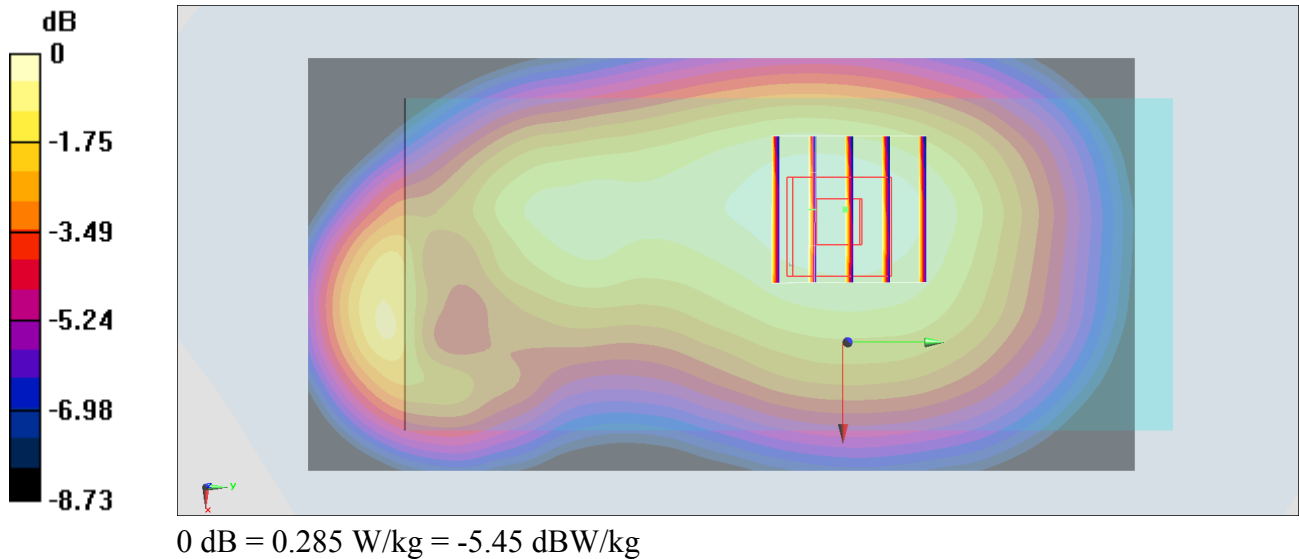
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.80 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.311 W/kg

**SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.179 W/kg**

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



**#36\_LTE Band 7\_20M\_QPSK\_1\_99\_Front\_15mm\_Ch20850**

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

Medium: MSL\_2600\_181125 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.112$  S/m;  $\epsilon_r = 50.981$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306;ConvF(7.47, 7.47, 7.47) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.191 W/kg

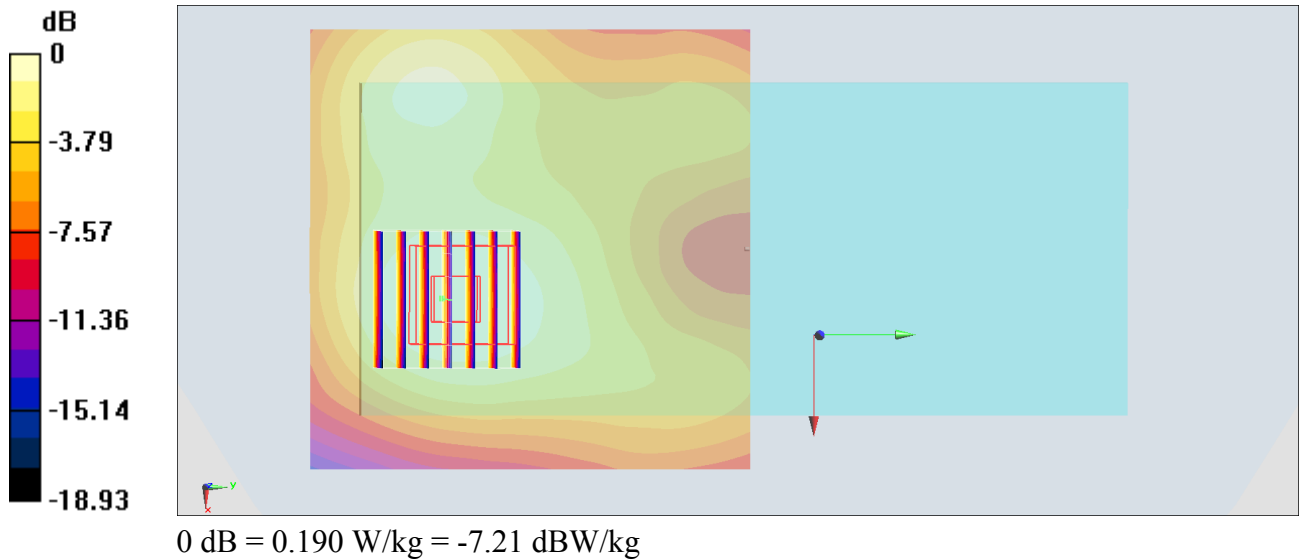
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.682 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.229 W/kg

**SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.190 W/kg



**#37\_LTE Band 12\_10M\_QPSK\_1\_0\_Back\_15mm\_Ch23095**

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

Medium: MSL\_750\_181127 Medium parameters used :  $f = 707.5$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 54.099$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(10.06, 10.06, 10.06) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.323 W/kg

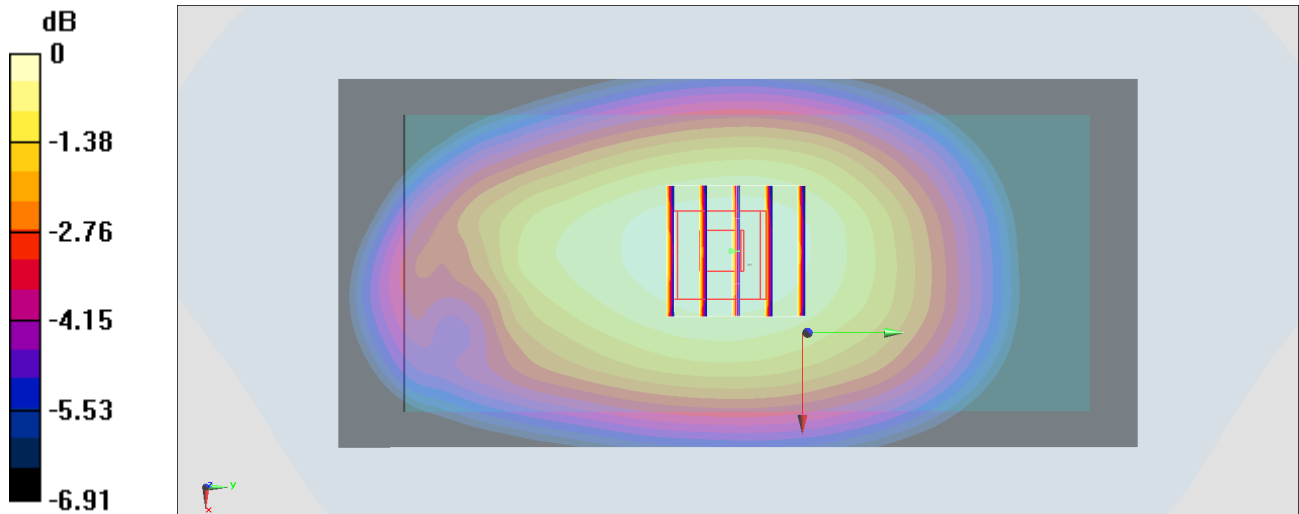
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.47 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.354 W/kg

**SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.218 W/kg**

Maximum value of SAR (measured) = 0.327 W/kg



0 dB = 0.327 W/kg = -4.85 dBW/kg

**#38\_LTE Band 13\_10M\_QPSK\_1\_0\_Back\_15mm\_Ch23230**

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

Medium: MSL\_750\_181127 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 1.004 \text{ S/m}$ ;  $\epsilon_r = 53.391$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5^\circ\text{C}$ ; Liquid Temperature :  $22.5^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(10.06, 10.06, 10.06) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.412 \text{ W/kg}$

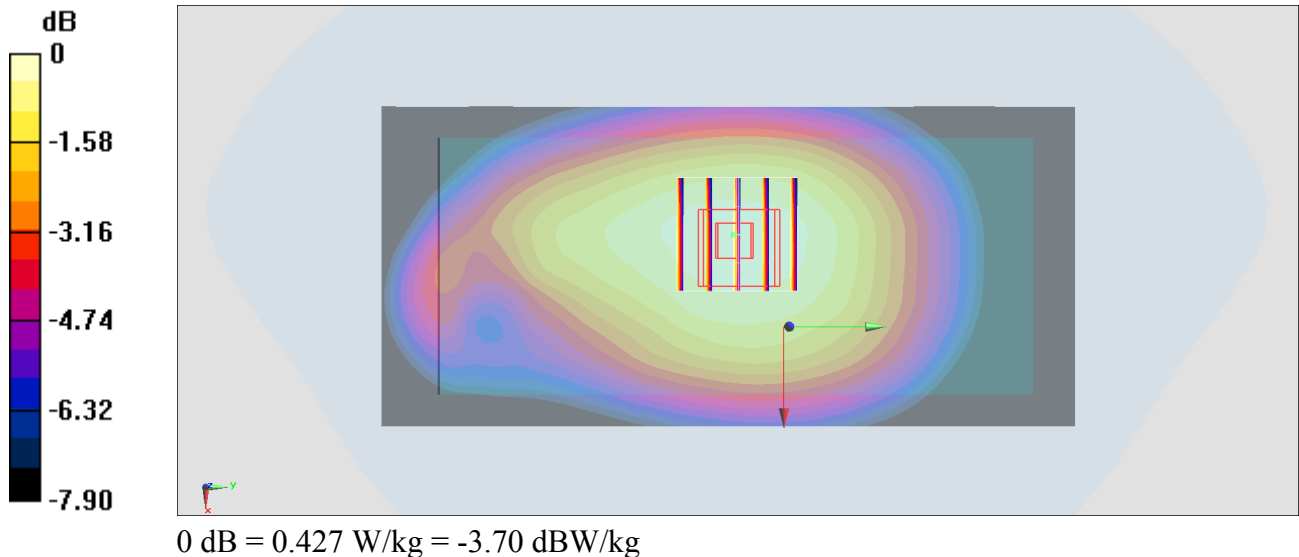
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $21.10 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.463 \text{ W/kg}$

**SAR(1 g) =  $0.351 \text{ W/kg}$ ; SAR(10 g) =  $0.271 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.427 \text{ W/kg}$



**#39\_LTE Band 25\_20M\_QPSK\_50\_0\_Back\_15mm\_Ch26140**

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

Medium: MSL\_1900\_181123 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.492$  S/m;  $\epsilon_r = 52.617$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (61x41x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

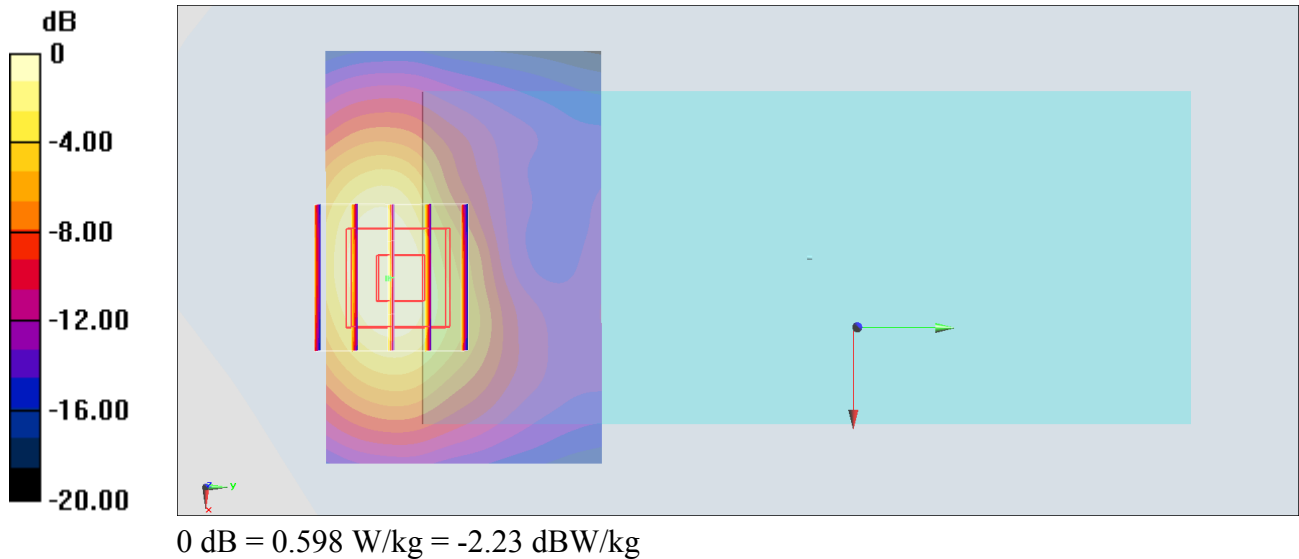
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.20 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.846 W/kg

**SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.279 W/kg**

Maximum value of SAR (measured) = 0.598 W/kg



**#40\_LTE Band 66\_20M\_QPSK\_50\_0\_Back\_15mm\_Ch132322**

Communication System: LTE ; Frequency: 1745 MHz;Duty Cycle: 1:1

Medium: MSL1750\_181125 Medium parameters used :  $f = 1745$  MHz;  $\sigma = 1.444$  S/m;  $\epsilon_r = 55.075$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306;ConvF(8.22, 8.22, 8.22) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- 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 (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.757 W/kg

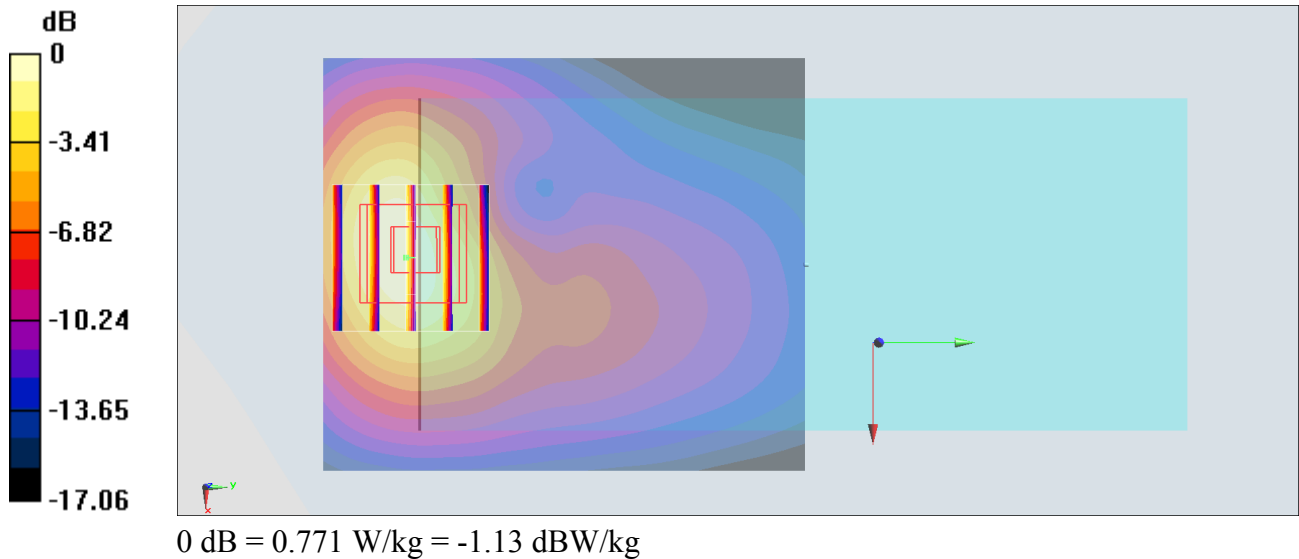
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.36 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.905 W/kg

**SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.323 W/kg**

Maximum value of SAR (measured) = 0.771 W/kg



**#41\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_15mm\_Ch11**

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

Medium: MSL\_2450\_181124 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.968$  S/m;  $\epsilon_r = 52.544$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.0847 W/kg

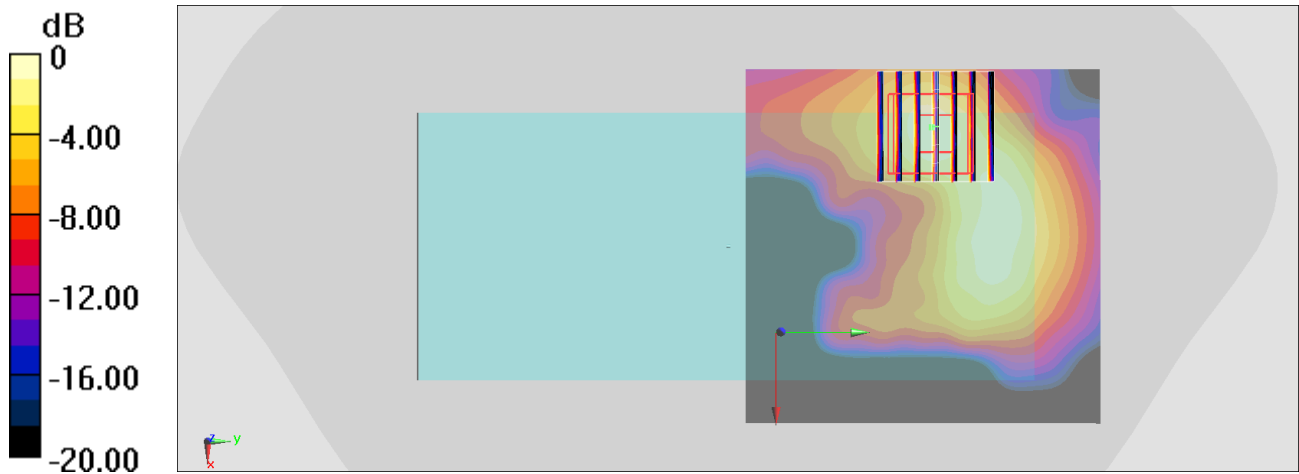
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.903 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.114 W/kg

**SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.022 W/kg**

Maximum value of SAR (measured) = 0.0898 W/kg



0 dB = 0.0898 W/kg = -10.47 dBW/kg

**#42\_WLAN5GHz\_802.11a 6Mbps\_Front\_15mm\_Ch64**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.053

Medium: MSL\_5G\_181126 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.509$  S/m;  $\epsilon_r = 48.894$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.0624 W/kg

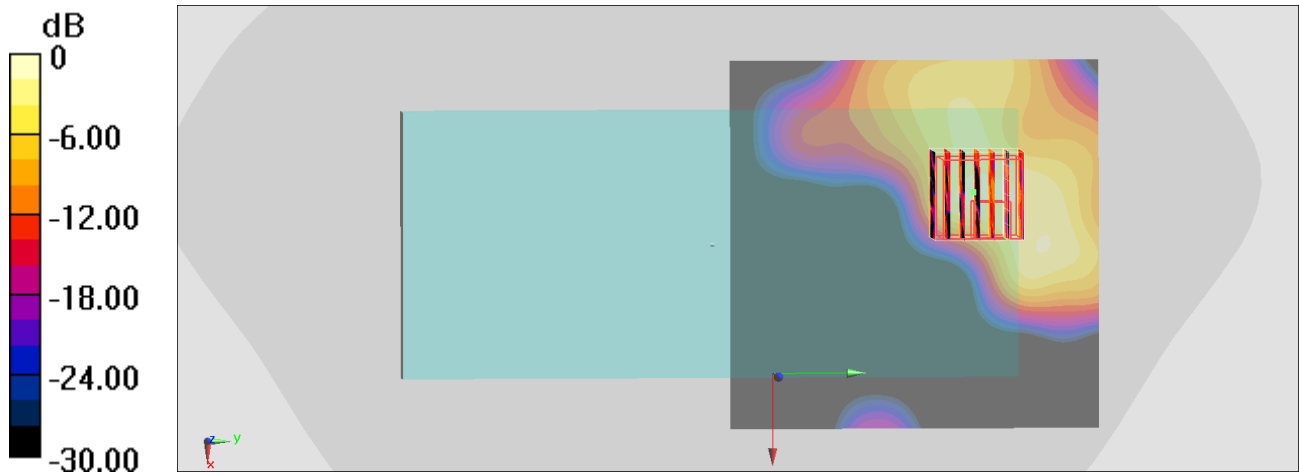
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 2.500 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.328 W/kg

**SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.00618 W/kg**

Maximum value of SAR (measured) = 0.0838 W/kg



0 dB = 0.0838 W/kg = -10.77 dBW/kg

**#43\_WLAN5GHz\_802.11a 6Mbps\_Front\_15mm\_Ch100**

Communication System: 802.11a; Frequency: 5500 MHz; Duty Cycle: 1:1.053

Medium: MSL\_5G\_181126 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.708$  S/m;  $\epsilon_r = 48.645$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.0771 W/kg

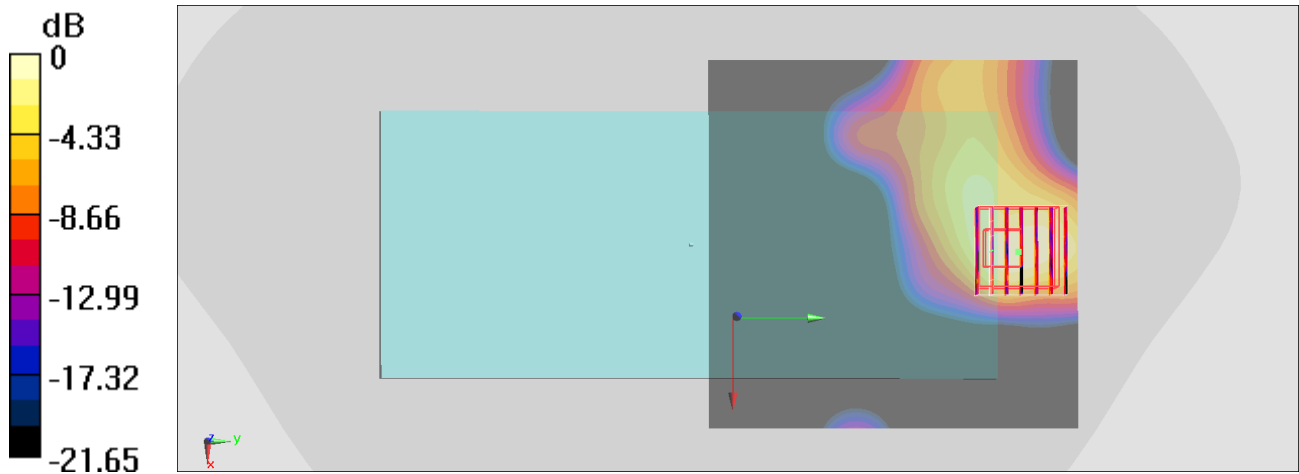
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 1.925 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.328 W/kg

**SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.00863 W/kg**

Maximum value of SAR (measured) = 0.0739 W/kg



0 dB = 0.0739 W/kg = -11.31 dBW/kg

**#44\_WLAN5GHz\_802.11a 6Mbps\_Front\_15mm\_Ch149**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.053

Medium: MSL\_5G\_181126 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 5.973$  S/m;  $\epsilon_r = 48.309$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 0.200 W/kg

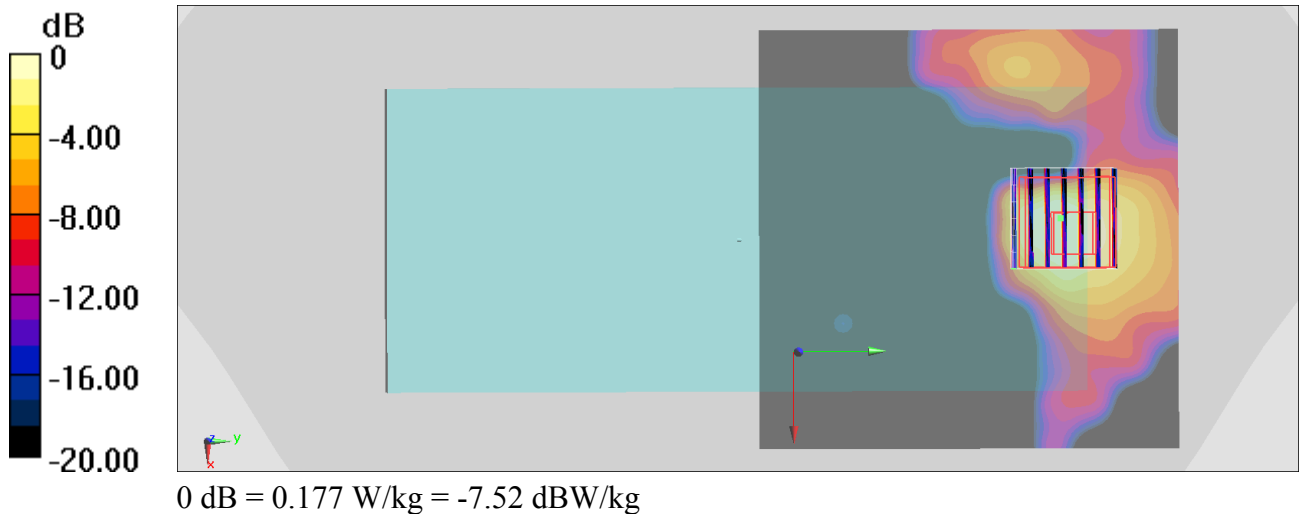
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 5.646 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.302 W/kg

**SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.022 W/kg**

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



**#45\_Bluetooth\_1Mbps\_Back\_15mm\_Ch0**

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.298

Medium: MSL\_2450\_181129 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.954$  S/m;  $\epsilon_r = 54.425$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.36, 4.36, 4.36); Calibrated: 2018/9/24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

Maximum value of SAR (interpolated) = 0.0147 W/kg

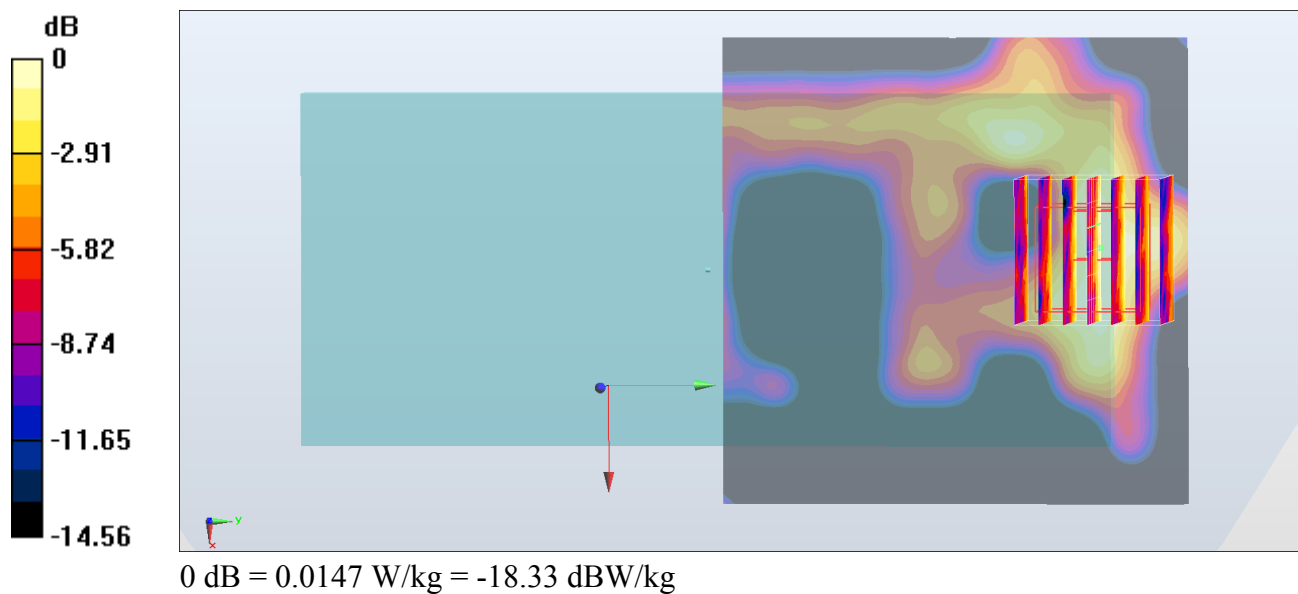
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0.8300 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0150 W/kg

**SAR(1 g) = 0.00894 W/kg; SAR(10 g) = 0.005 W/kg**

Maximum value of SAR (measured) = 0.0114 W/kg



**#46\_GSM1900\_GPRS (4 Tx slots)\_Back\_0mm\_Ch512**

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

Medium: MSL\_1900\_181126 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.494$  S/m;  $\epsilon_r = 52.691$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.87, 7.87, 7.87) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: 1884
- 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) = 7.60 W/kg

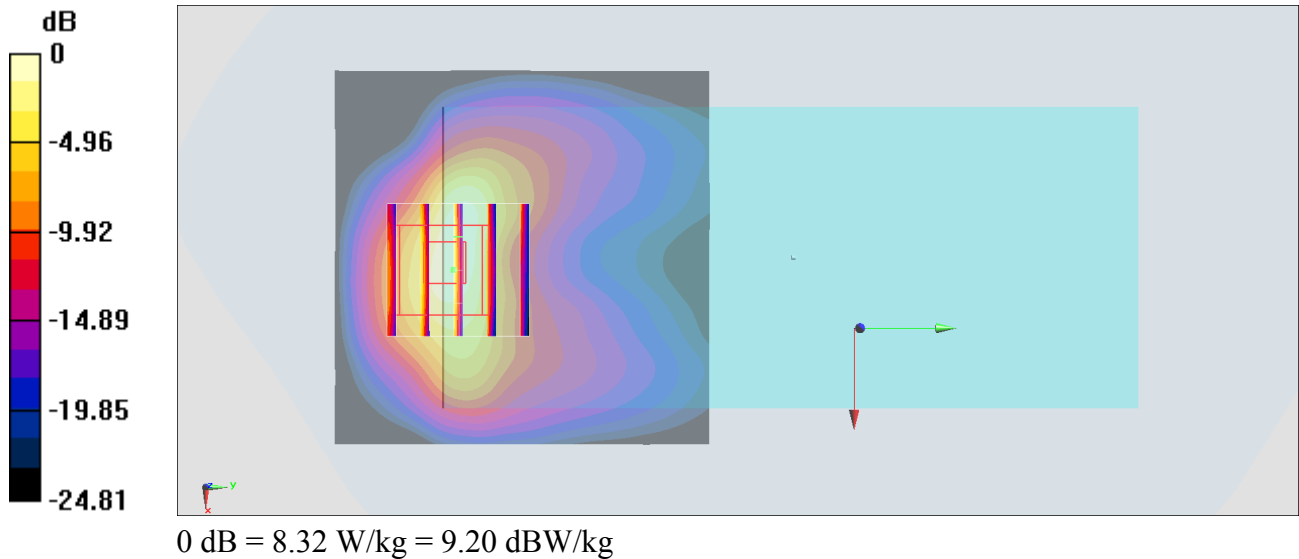
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.37 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 10.7 W/kg

**SAR(1 g) = 4.9 W/kg; SAR(10 g) = 2.13 W/kg**

Maximum value of SAR (measured) = 8.32 W/kg



**#47\_WCDMA II\_RMC 12.2Kbps\_Back\_0mm\_Ch9262**

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

Medium: MSL\_1900\_181125 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.502$  S/m;  $\epsilon_r = 52.537$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.87, 7.87, 7.87) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- 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 (61x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.1 W/kg

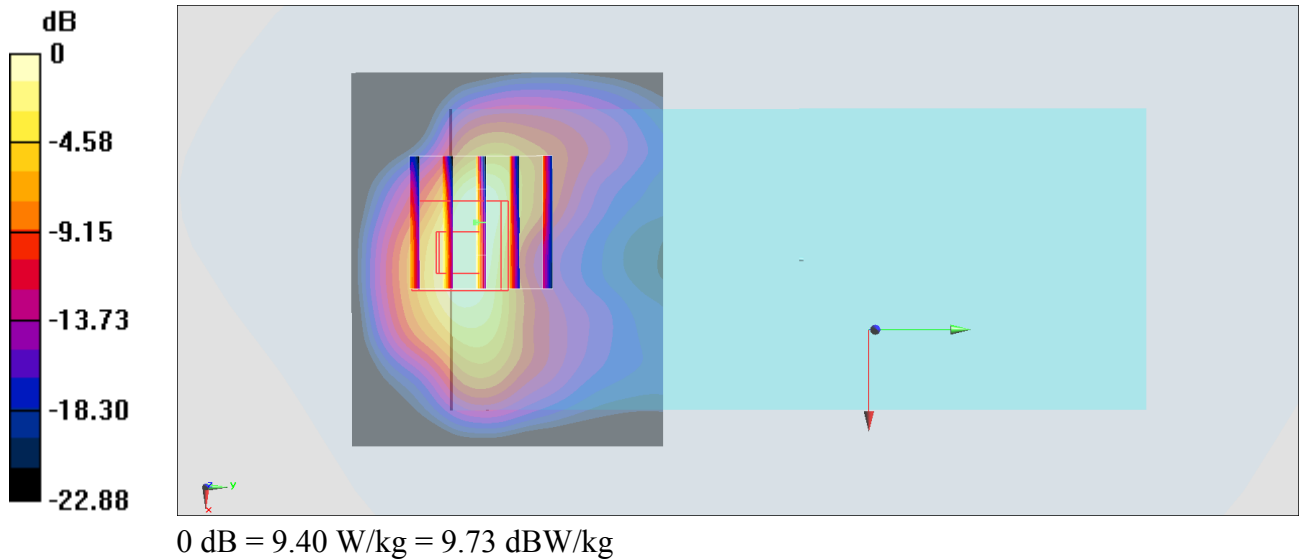
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.14 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 14.2 W/kg

**SAR(1 g) = 6.44 W/kg; SAR(10 g) = 2.77 W/kg**

Maximum value of SAR (measured) = 9.40 W/kg



**#48\_WCDMA IV\_RMC 12.2Kbps\_Back\_0mm\_Ch1312**

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

Medium: MSL1750\_181125 Medium parameters used :  $f = 1712.4$  MHz;  $\sigma = 1.411$  S/m;  $\epsilon_r = 55.185$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(8.22, 8.22, 8.22) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- 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) = 9.92 W/kg

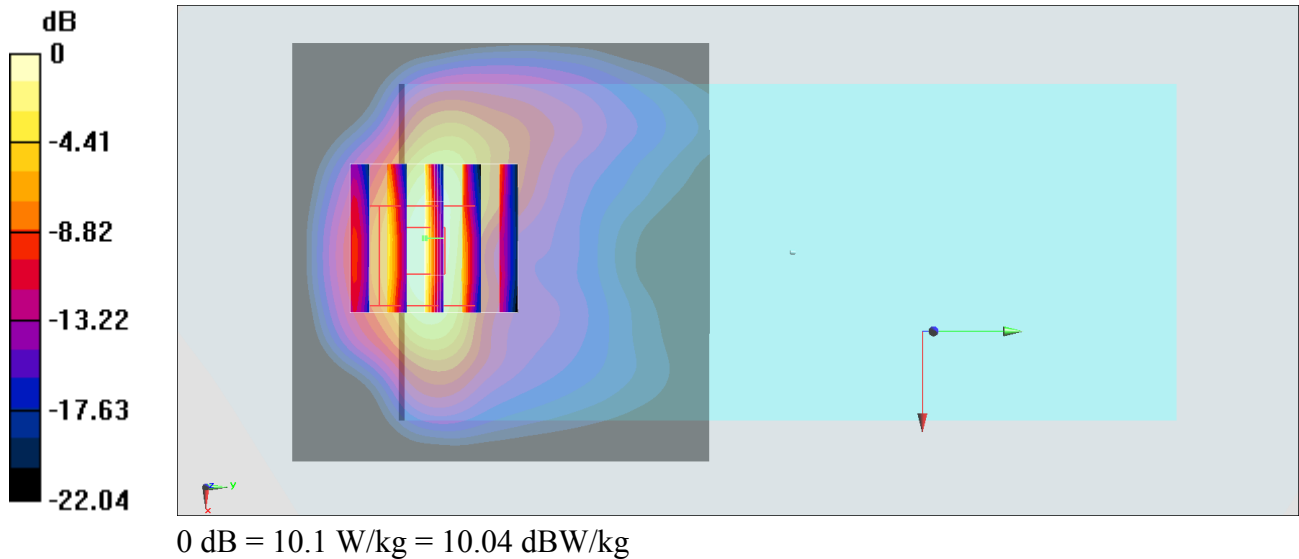
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.02 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 12.6 W/kg

**SAR(1 g) = 5.84 W/kg; SAR(10 g) = 2.59 W/kg**

Maximum value of SAR (measured) = 10.1 W/kg



**#49\_LTE Band 25\_20M\_QPSK\_1\_0\_Front\_0mm\_Ch26340**

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

Medium: MSL\_1900\_181123 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 52.565$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3270; ConvF(4.77, 4.77, 4.77) ; Calibrated: 2018/9/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2018/5/24
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 7.07 W/kg

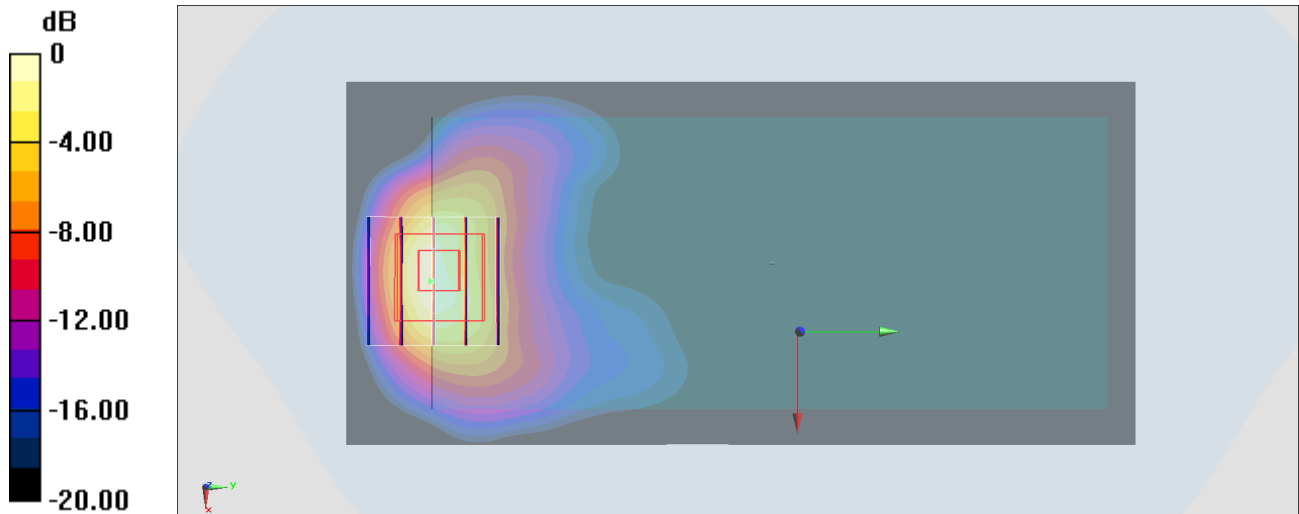
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.31 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 12.0 W/kg

**SAR(1 g) = 5.73 W/kg; SAR(10 g) = 2.53 W/kg**

Maximum value of SAR (measured) = 7.34 W/kg



0 dB = 7.34 W/kg = 8.66 dBW/kg

**#50\_LTE Band 66\_20M\_QPSK\_1\_0\_Back\_0mm\_Ch132072**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL1750\_181125 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.418$  S/m;  $\epsilon_r = 55.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(8.22, 8.22, 8.22) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- 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) = 7.96 W/kg

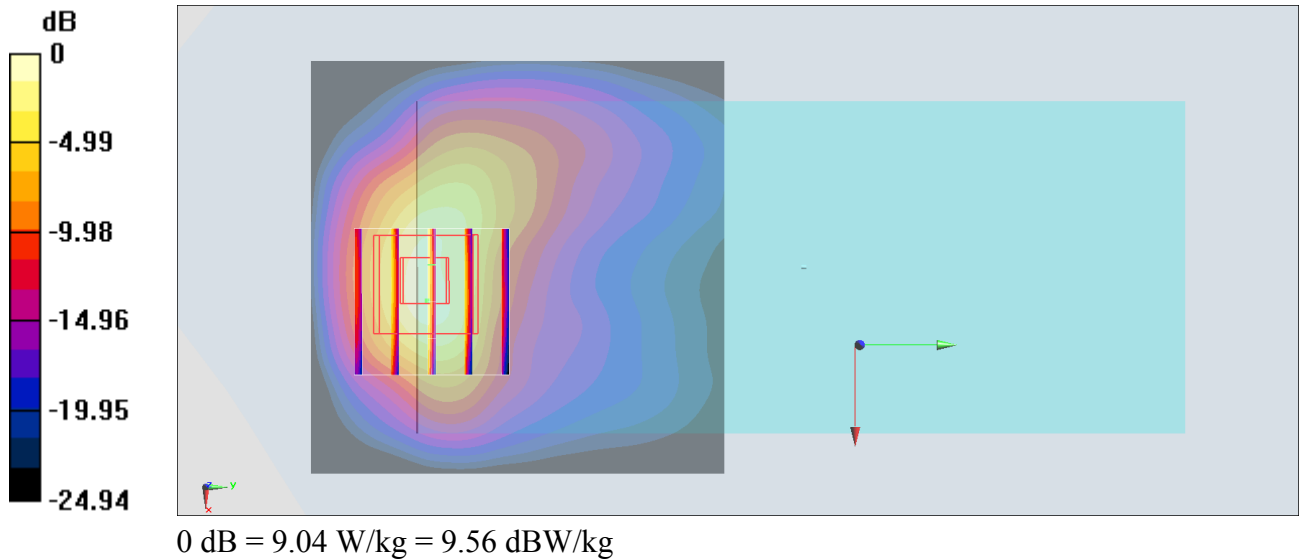
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.37 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 11.2 W/kg

**SAR(1 g) = 5.26 W/kg; SAR(10 g) = 2.38 W/kg**

Maximum value of SAR (measured) = 9.04 W/kg



**#51\_WLAN5GHz\_802.11a 6Mbps\_Front\_0mm\_Ch64**

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.053

Medium: MSL\_5G\_181126 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.509$  S/m;  $\epsilon_r = 48.894$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(4.96, 4.96, 4.96) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

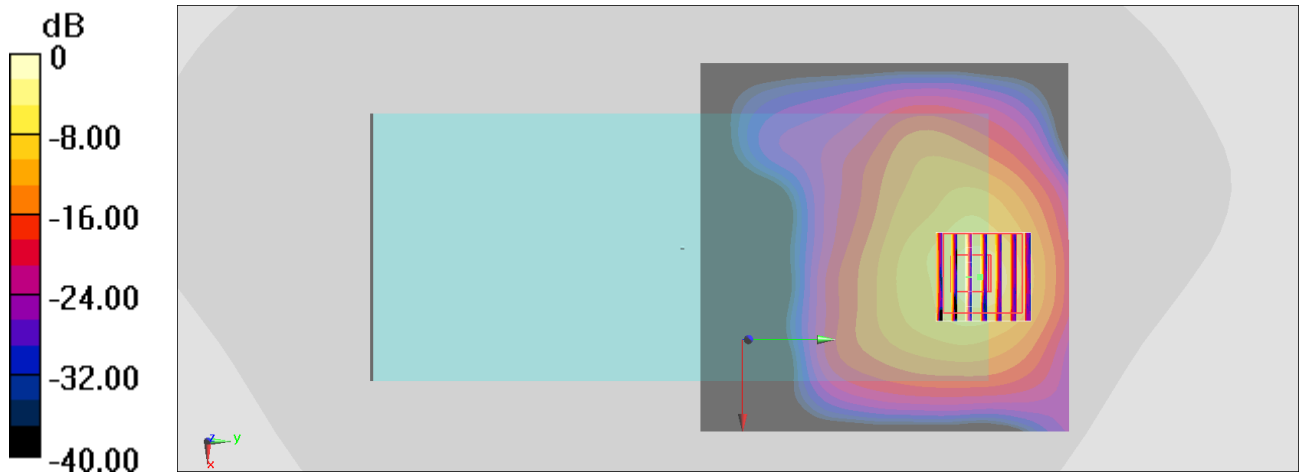
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 26.39 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 7.17 W/kg

**SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.335 W/kg**

Maximum value of SAR (measured) = 3.29 W/kg



**#52\_WLAN5GHz\_802.11a 6Mbps\_Front\_0mm\_Ch100**

Communication System: 802.11a; Frequency: 5500 MHz; Duty Cycle: 1:1.053

Medium: MSL\_5G\_181126 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.708$  S/m;  $\epsilon_r = 48.645$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(4.39, 4.39, 4.39) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

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

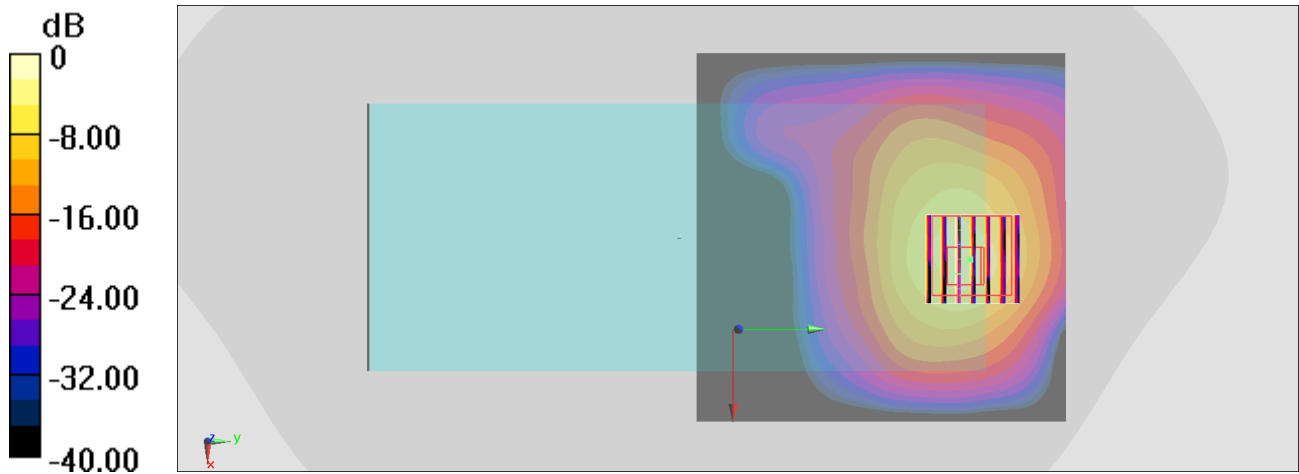
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 18.78 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 4.80 W/kg

**SAR(1 g) = 0.800 W/kg; SAR(10 g) = 0.215 W/kg**

Maximum value of SAR (measured) = 2.29 W/kg



0 dB = 2.29 W/kg = 3.60 dBW/kg

**#53\_WLAN5GHz\_802.11a 6Mbps\_Top Side\_0mm\_Ch149**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.053

Medium: MSL\_5G\_181126 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 5.973$  S/m;  $\epsilon_r = 48.309$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7515; ConvF(4.42, 4.42, 4.42) ; Calibrated: 2018/10/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1885
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

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

Maximum value of SAR (interpolated) = 2.69 W/kg

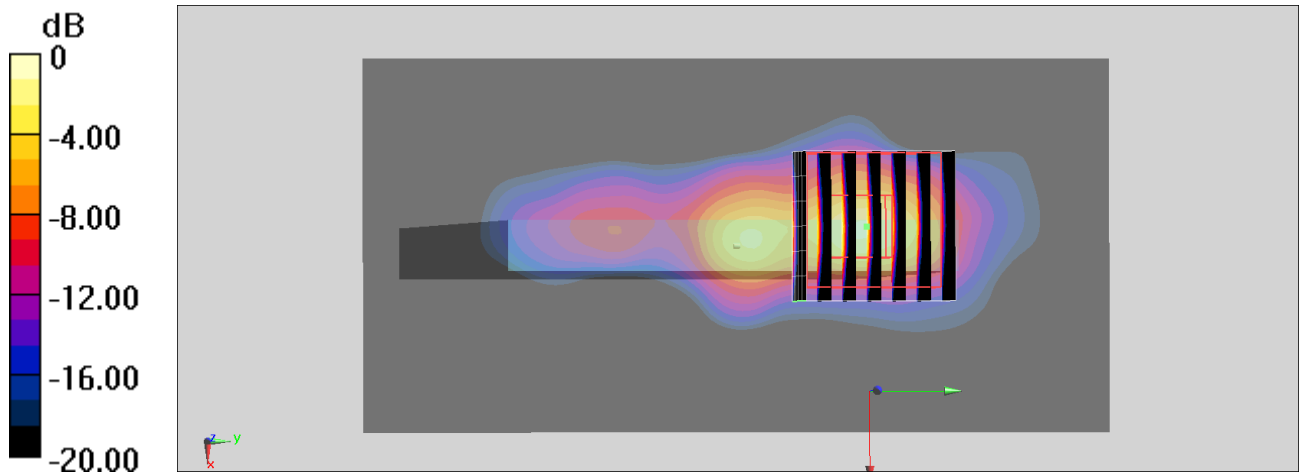
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.9070 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 6.47 W/kg

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.265 W/kg**

Maximum value of SAR (measured) = 3.45 W/kg



0 dB = 3.45 W/kg = 5.38 dBW/kg