

**#01\_GSM850\_GPRS (4 Tx slots)\_Right Cheek\_Ch189**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:2.08

Medium: HSL\_850\_181126 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.906$  S/m;  $\epsilon_r = 43.152$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5 °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) = 0.252 W/kg

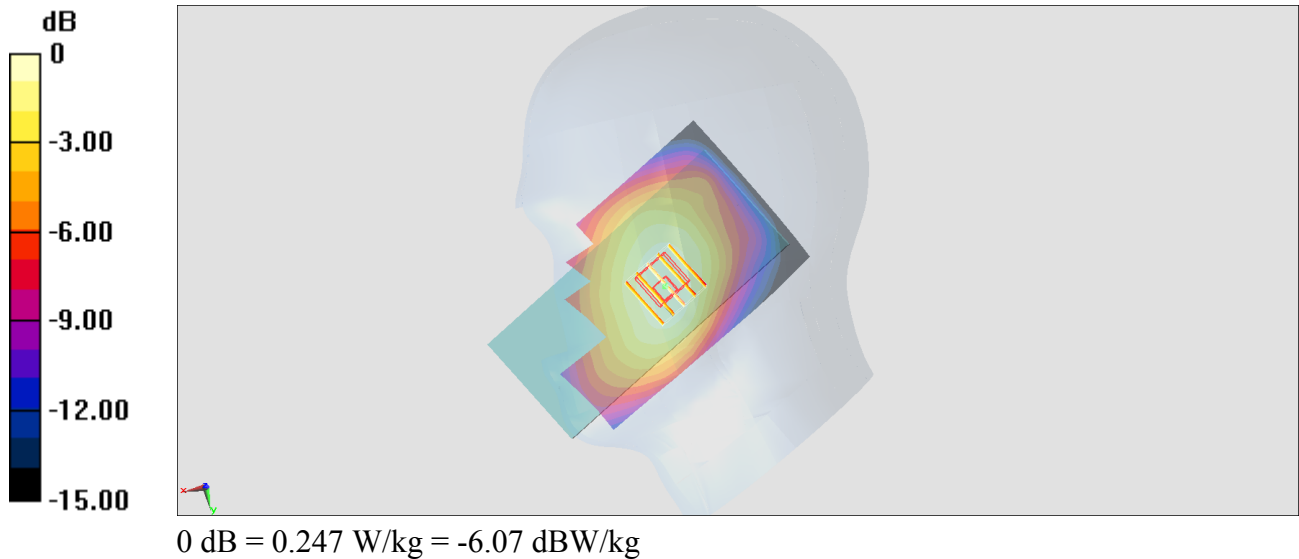
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.62 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.307 W/kg

**SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.179 W/kg**

Maximum value of SAR (measured) = 0.247 W/kg



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

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

Medium: HSL\_1900\_181127 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) = 0.0255 W/kg

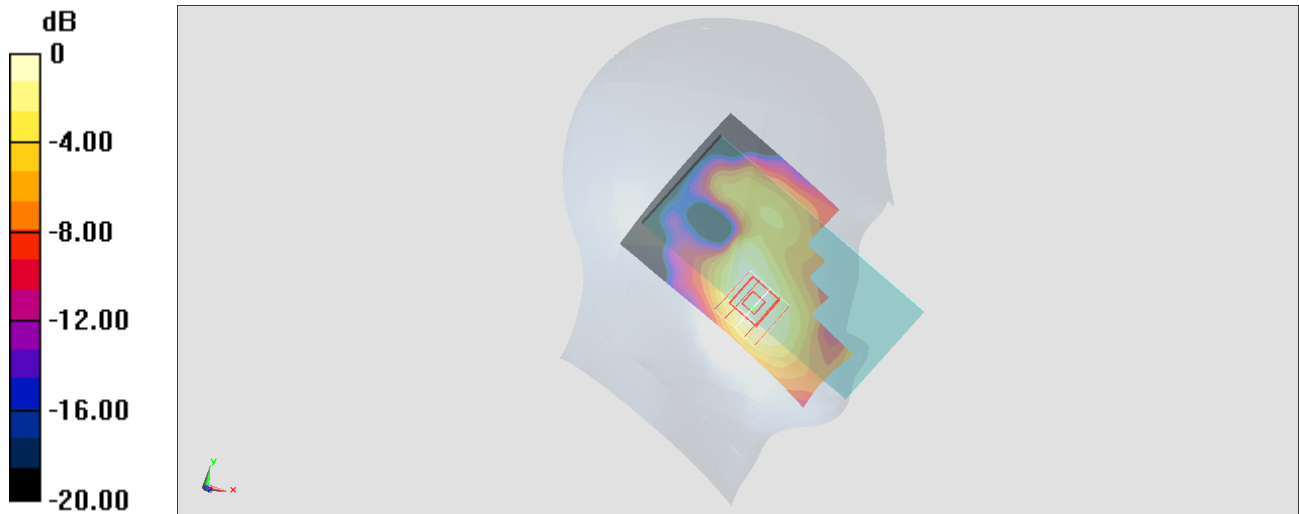
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.947 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0360 W/kg

**SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.013 W/kg**

Maximum value of SAR (measured) = 0.0256 W/kg



0 dB = 0.0256 W/kg = -15.92 dBW/kg

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

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

Medium: HSL\_1900\_181127 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.441$  S/m;  $\epsilon_r = 38.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7°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) = 0.0551 W/kg

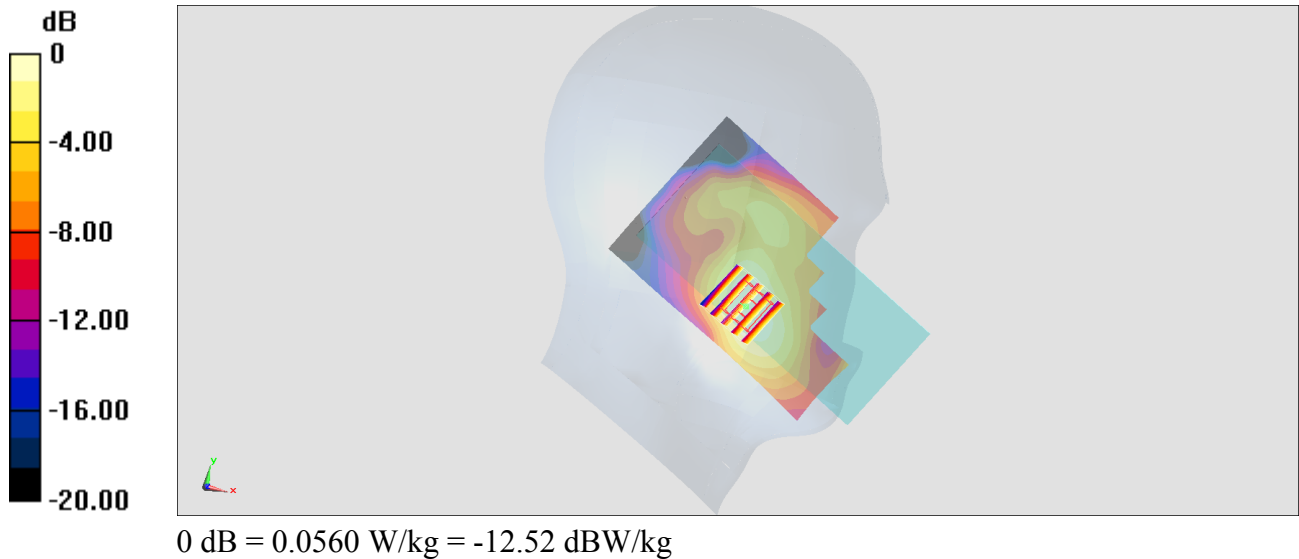
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.712 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.0730 W/kg

**SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.029 W/kg**

Maximum value of SAR (measured) = 0.0560 W/kg



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

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

Medium: HSL\_850\_181126 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.895$  S/m;  $\epsilon_r = 43.263$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5 °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) = 0.238 W/kg

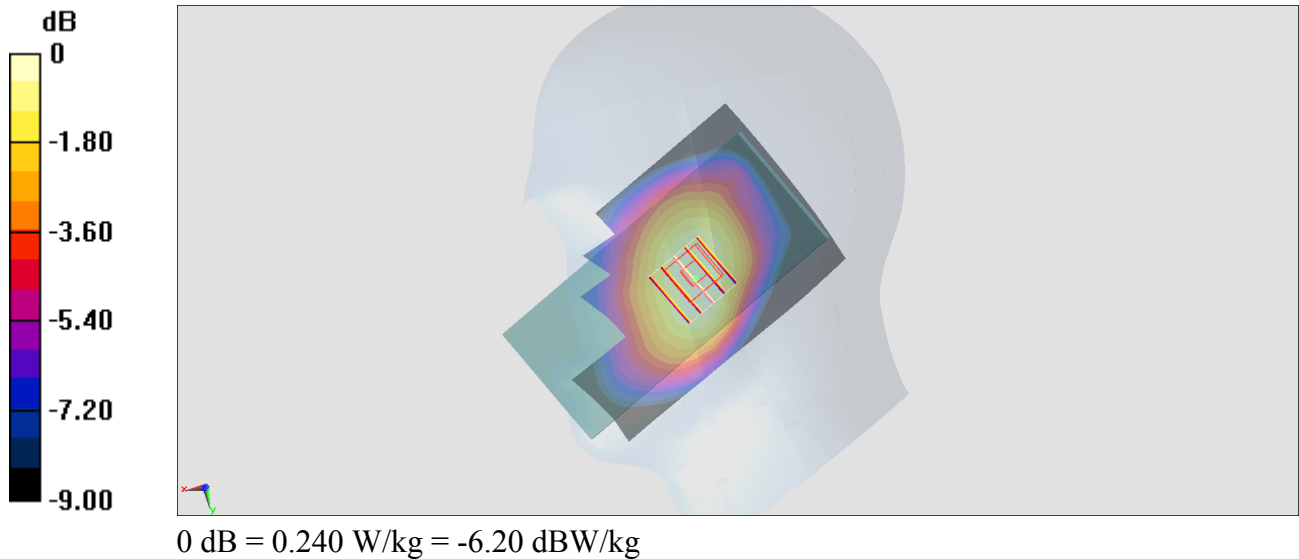
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.33 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.268 W/kg

**SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.173 W/kg**

Maximum value of SAR (measured) = 0.240 W/kg



**#05\_LTE Band 2\_20M\_QPSK\_1\_49\_Left Cheek\_Ch18900**

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

Medium: HSL\_1900\_181127 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.412$  S/m;  $\epsilon_r = 38.871$ ;  $\rho = 1000$  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) = 0.0512 W/kg

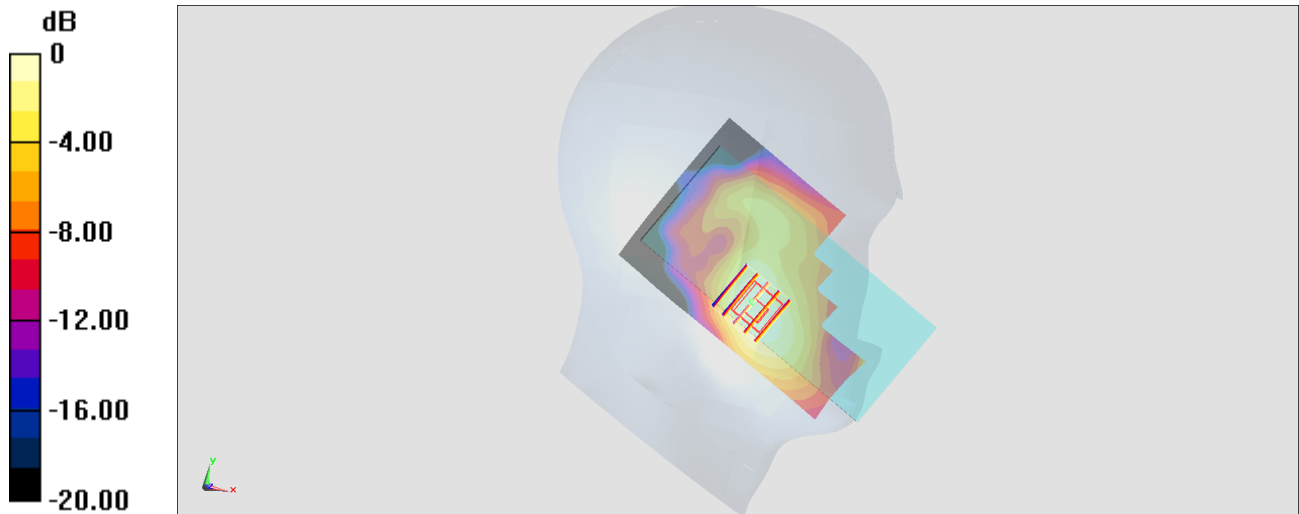
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.526 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0680 W/kg

**SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.027 W/kg**

Maximum value of SAR (measured) = 0.0508 W/kg



0 dB = 0.0508 W/kg = -12.94 dBW/kg

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

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

Medium: HSL\_850\_181126 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.906$  S/m;  $\epsilon_r = 43.151$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5 °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) = 0.200 W/kg

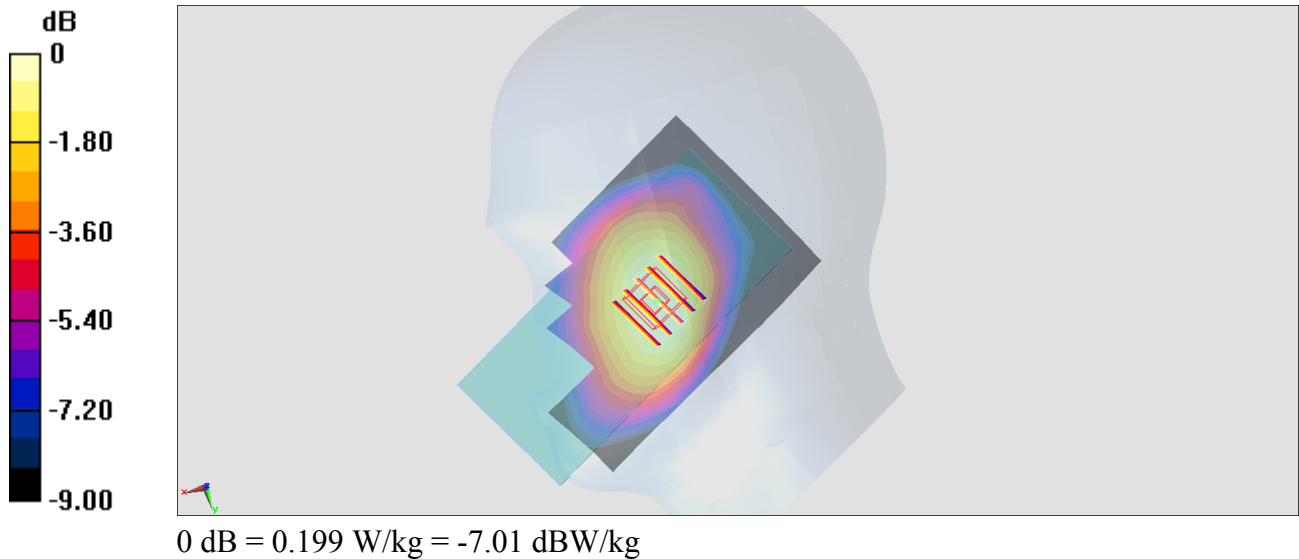
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.89 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.223 W/kg

**SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.141 W/kg**

Maximum value of SAR (measured) = 0.199 W/kg



**#07\_LTE Band 7\_20M\_QPSK\_1\_0\_Left Cheek\_Ch20850**

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

Medium: HSL\_2600\_181127 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.888$  S/m;  $\epsilon_r = 37.831$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7°C; Liquid Temperature : 22.7 °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 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.310 W/kg

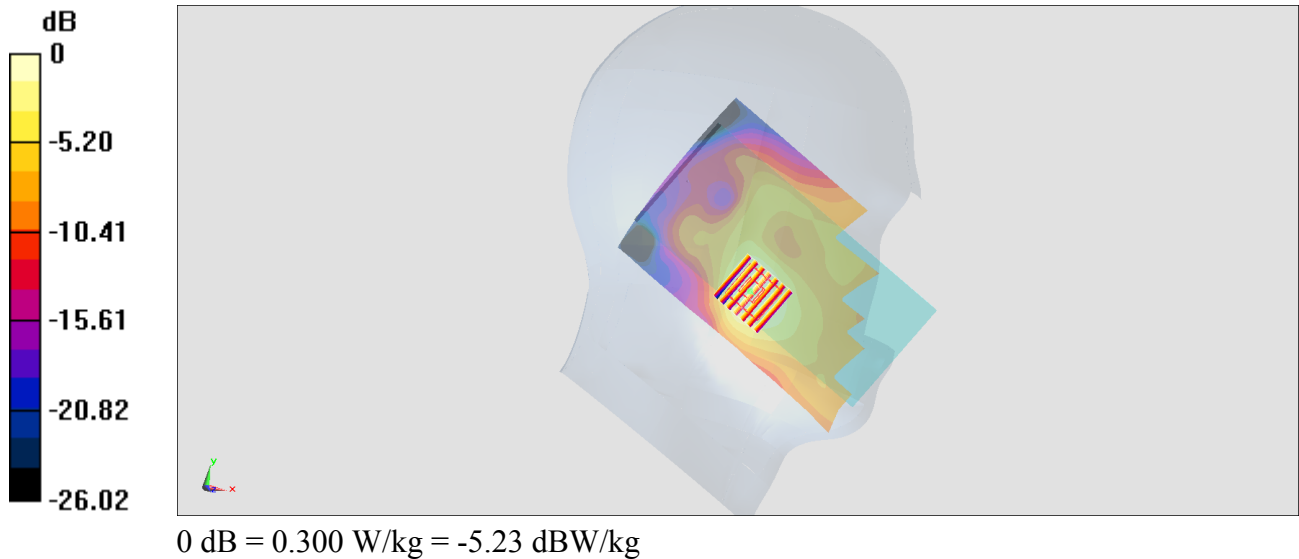
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.417 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.420 W/kg

**SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.132 W/kg**

Maximum value of SAR (measured) = 0.300 W/kg



**#08\_WLAN2.4GHz\_802.11b 1Mbps\_Left Tilted\_Ch1**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.015

Medium: HSL\_2450\_180926 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.82$  S/m;  $\epsilon_r = 37.853$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7346; ConvF(7.49, 7.49, 7.49) ; Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- 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 (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.78 W/kg

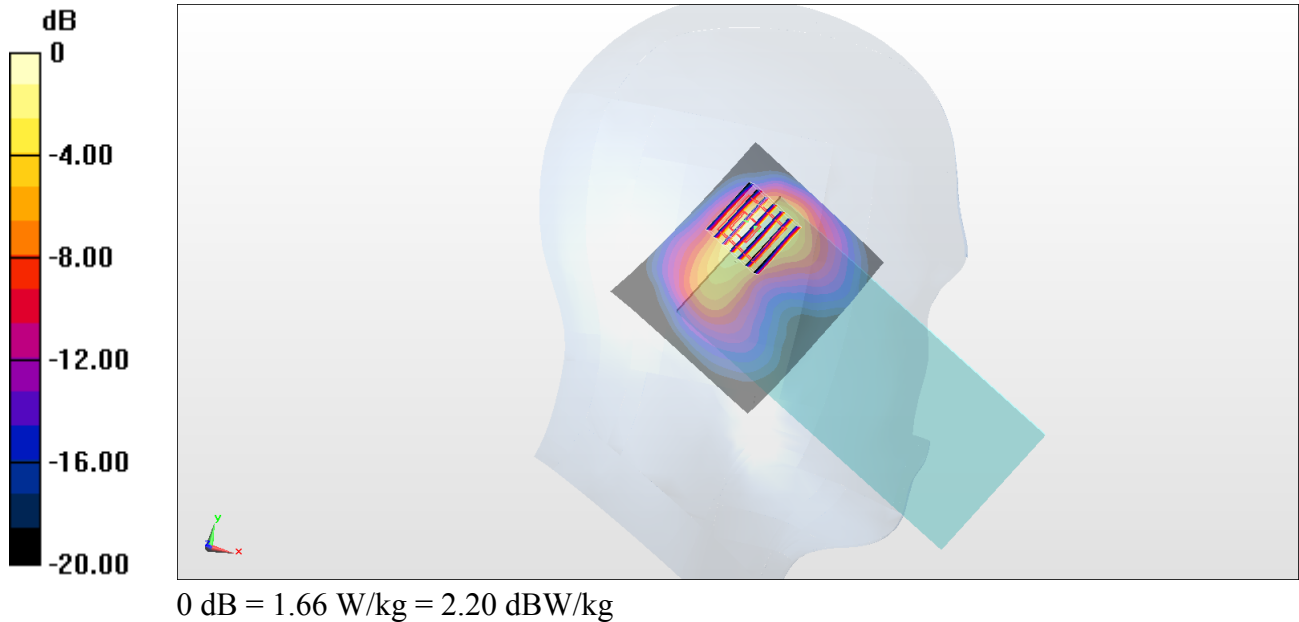
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.89 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.416 W/kg**

Maximum value of SAR (measured) = 1.66 W/kg





**#09\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_Ch52**

Communication System: 802.11a ; Frequency: 5260 MHz;Duty Cycle: 1:1.059

Medium: HSL\_5G\_180926 Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.523$  S/m;  $\epsilon_r = 35.661$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306;ConvF(5.38, 5.38, 5.38) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- 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 (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.989 W/kg

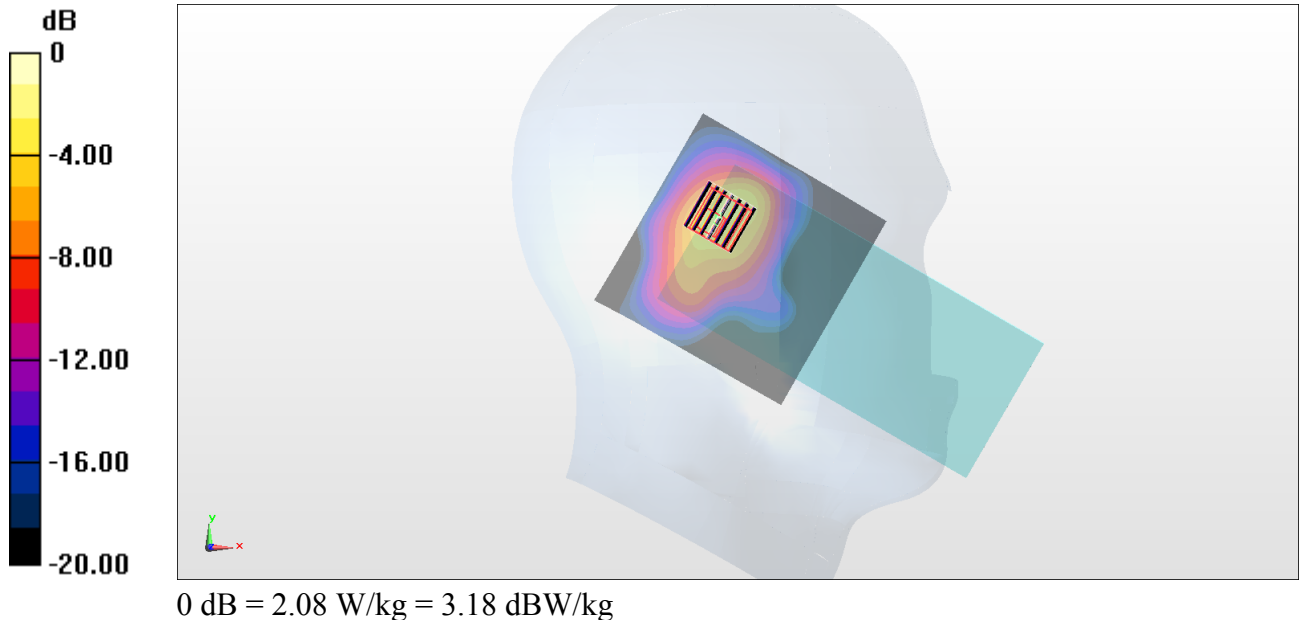
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 19.64 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.33 W/kg

**SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.270 W/kg**

Maximum value of SAR (measured) = 2.08 W/kg



**#10\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_Ch116**

Communication System: 802.11a ; Frequency: 5580 MHz;Duty Cycle: 1:1.059

Medium: HSL\_5G\_180926 Medium parameters used :  $f = 5580$  MHz;  $\sigma = 4.907$  S/m;  $\epsilon_r = 35.232$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306;ConvF(5, 5, 5) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn917; Calibrated: 2017/12/14
- 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 (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.866 W/kg

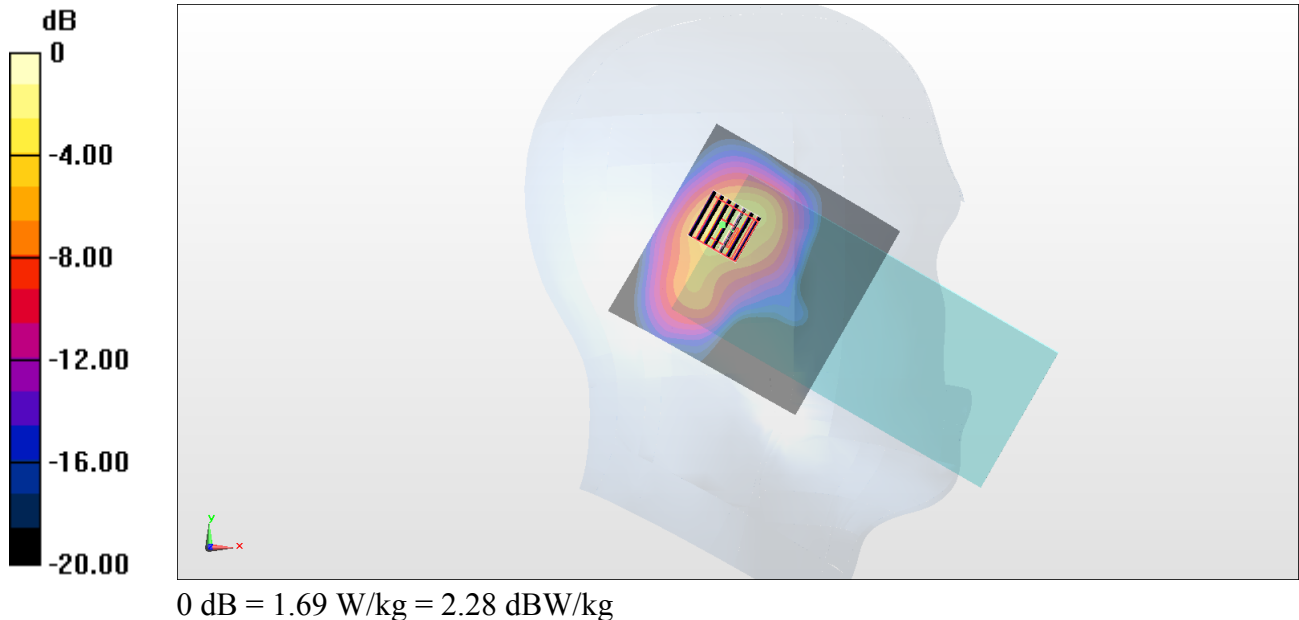
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 17.75 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.07 W/kg

**SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.213 W/kg**

Maximum value of SAR (measured) = 1.69 W/kg



**#11\_WLAN5GHz\_802.11a 6Mbps\_Left Tilted\_Ch149**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.059

Medium: HSL\_5G\_180926 Medium parameters used :  $f = 5745$  MHz;  $\sigma = 5.005$  S/m;  $\epsilon_r = 35.064$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7346; ConvF(5.12, 5.12, 5.12) ; Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- 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 (101x81x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.13 W/kg

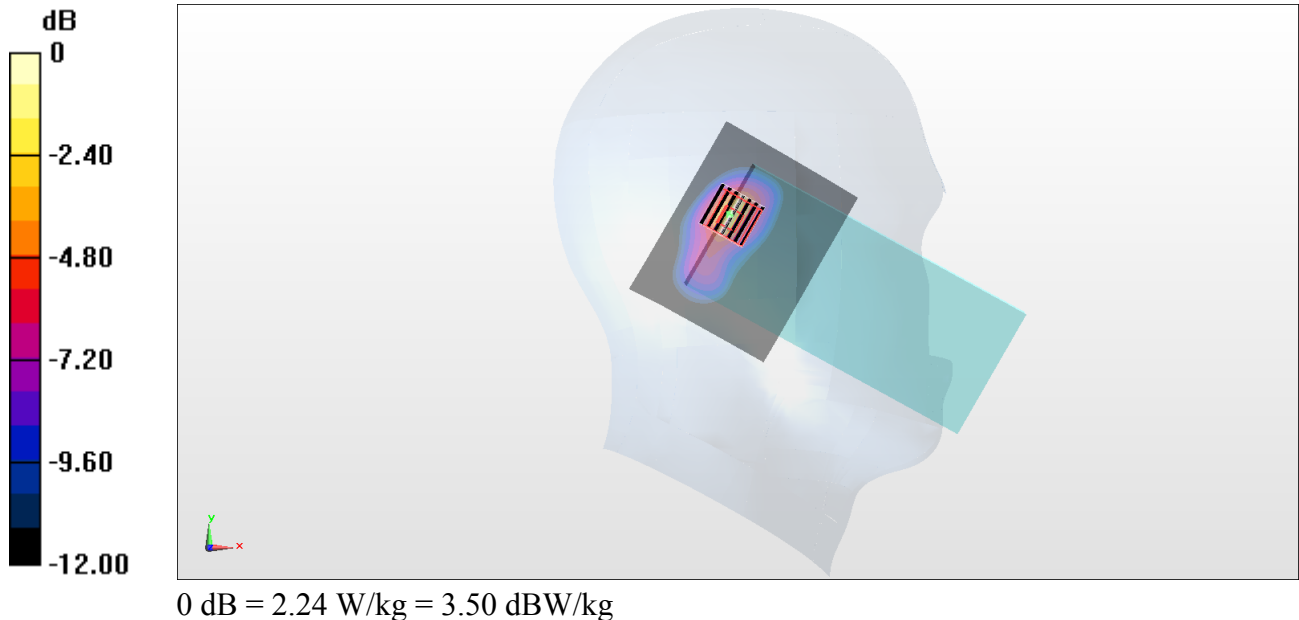
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 16.04 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 4.05 W/kg

**SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.306 W/kg**

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



## #12\_Bluetooth\_1Mbps\_Left Cheek\_Ch78

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.297

Medium: HSL\_2450\_180927 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.828$  S/m;  $\epsilon_r = 40.441$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN7346; ConvF(7.49, 7.49, 7.49) ; Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- 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 (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.381 W/kg

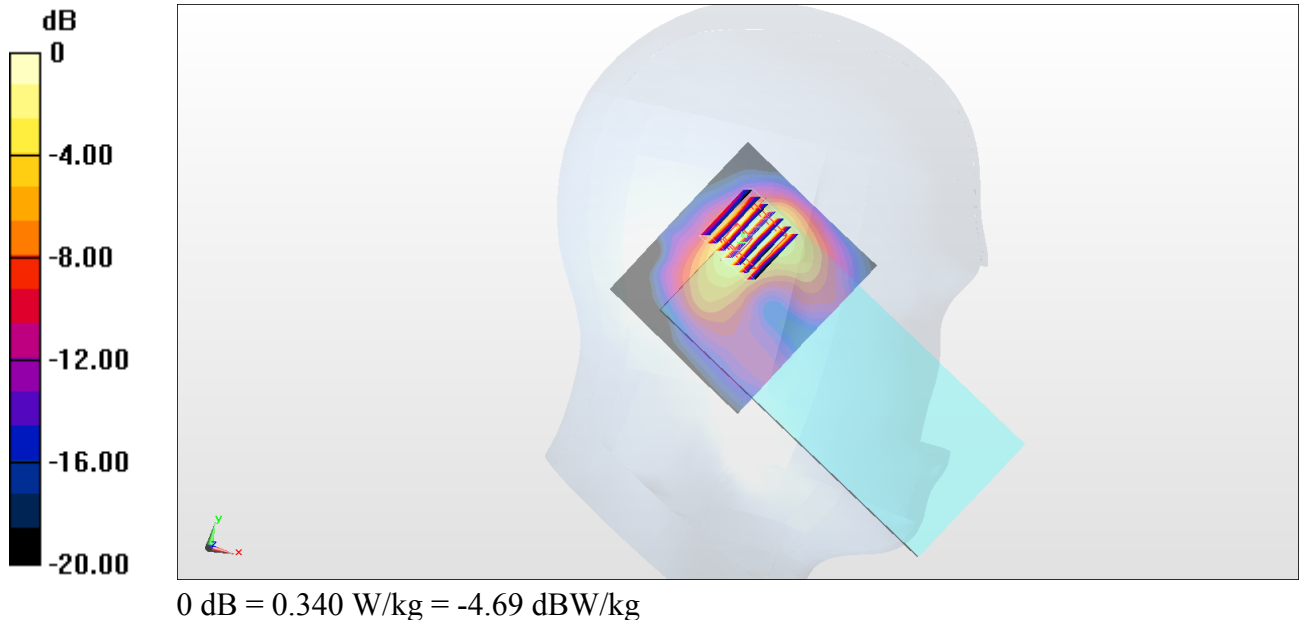
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.52 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.447 W/kg

**SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.086 W/kg**

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



**#13\_GSM850\_GPRS (4 Tx slots)\_Back\_10mm\_Ch189**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:2.08

Medium: MSL\_850\_181123 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.948$  S/m;  $\epsilon_r = 54.543$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5 °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) = 0.788 W/kg

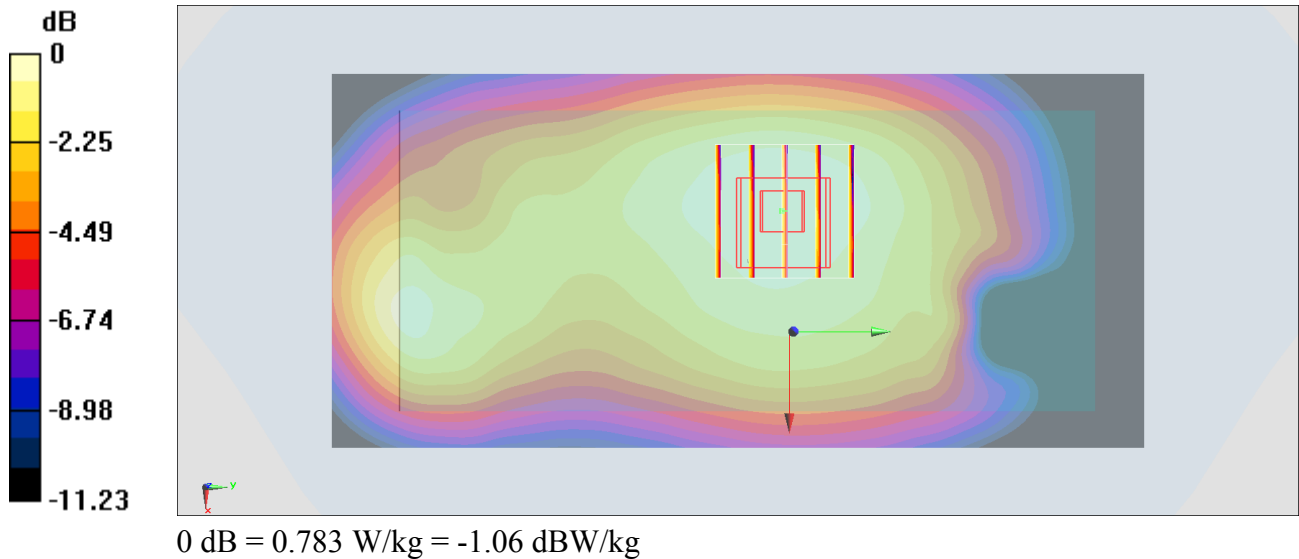
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.19 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.877 W/kg

**SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.490 W/kg**

Maximum value of SAR (measured) = 0.783 W/kg



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

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

Medium: MSL\_1900\_181113 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.594$  S/m;  $\epsilon_r = 54.565$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(8.44, 8.44, 8.44); Calibrated: 2017/12/18;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

Maximum value of SAR (interpolated) = 1.68 W/kg

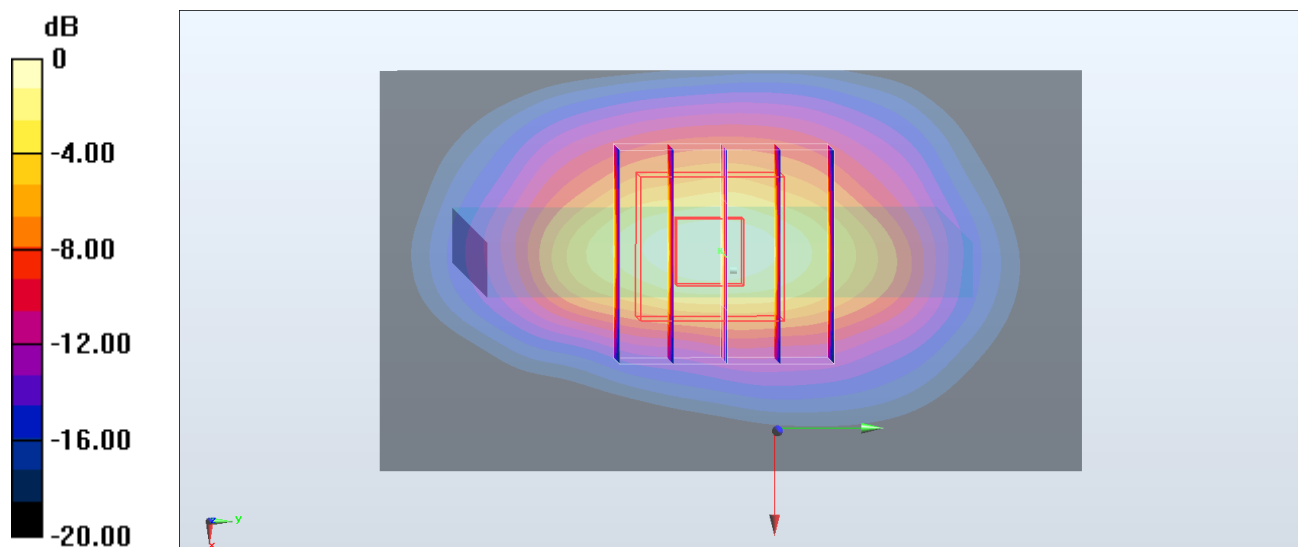
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.27 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.88 W/kg

**SAR(1 g) = 0.979 W/kg; SAR(10 g) = 0.475 W/kg**

Maximum value of SAR (measured) = 1.51 W/kg



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

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

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

Medium: MSL\_1900\_181113 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.591$  S/m;  $\epsilon_r = 54.571$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(8.44, 8.44, 8.44); Calibrated: 2017/12/18;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

Maximum value of SAR (interpolated) = 1.82 W/kg

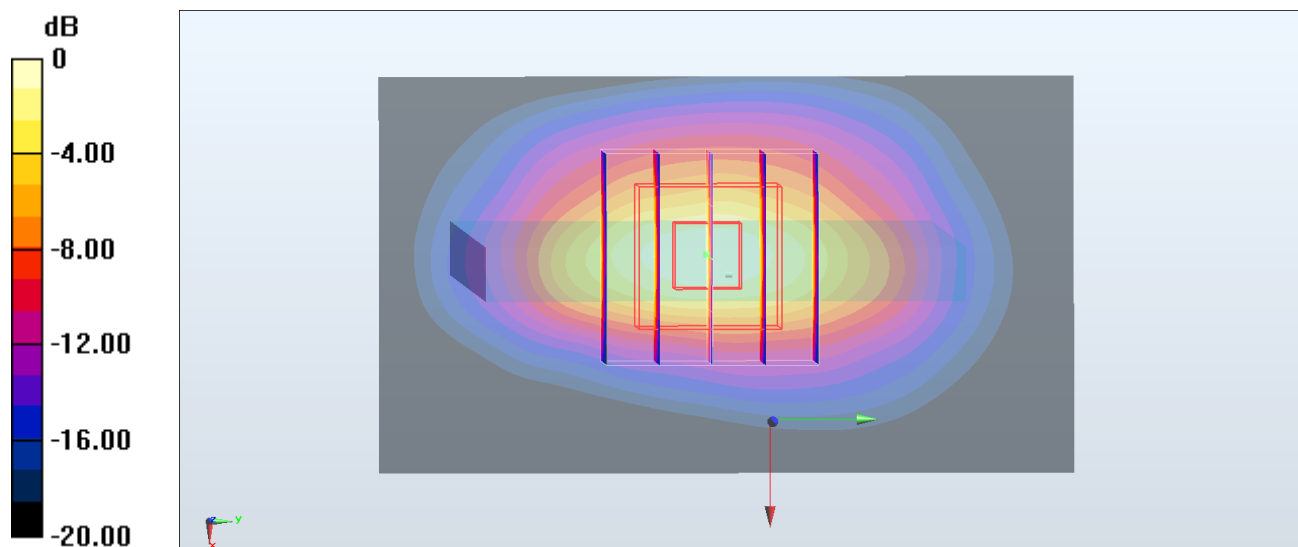
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 21.01 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.99 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.502 W/kg**

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



0 dB = 1.82 W/kg = 2.60 dBW/kg

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

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

Medium: MSL\_850\_181123 Medium parameters used :  $f = 826.4$  MHz;  $\sigma = 0.938$  S/m;  $\epsilon_r = 54.509$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5 °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) = 0.320 W/kg

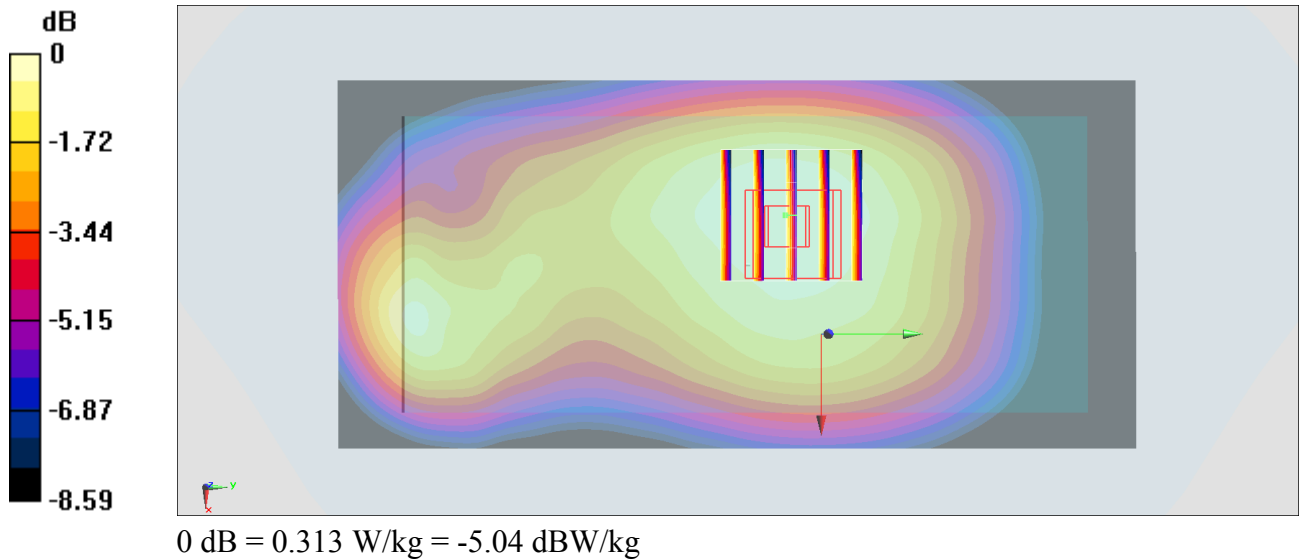
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.48 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.340 W/kg

**SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.201 W/kg**

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





**#17\_LTE Band 2\_20M\_QPSK\_1\_49\_Bottom Side\_10mm\_Ch19100**

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

Medium: MSL\_1900\_181113 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.582$  S/m;  $\epsilon_r = 54.608$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(8.44, 8.44, 8.44); Calibrated: 2017/12/18;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

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

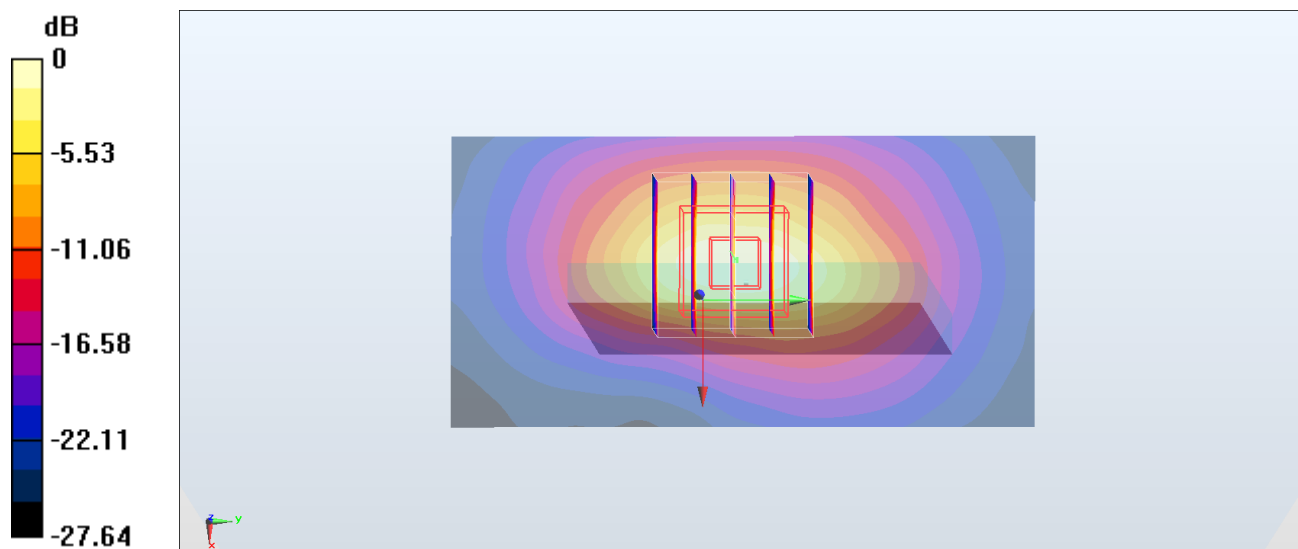
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.52 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.82 W/kg

**SAR(1 g) = 0.945 W/kg; SAR(10 g) = 0.458 W/kg**

Maximum value of SAR (measured) = 1.48 W/kg



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

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

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

Medium: MSL\_850\_181123 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.949$  S/m;  $\epsilon_r = 54.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5 °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) = 0.315 W/kg

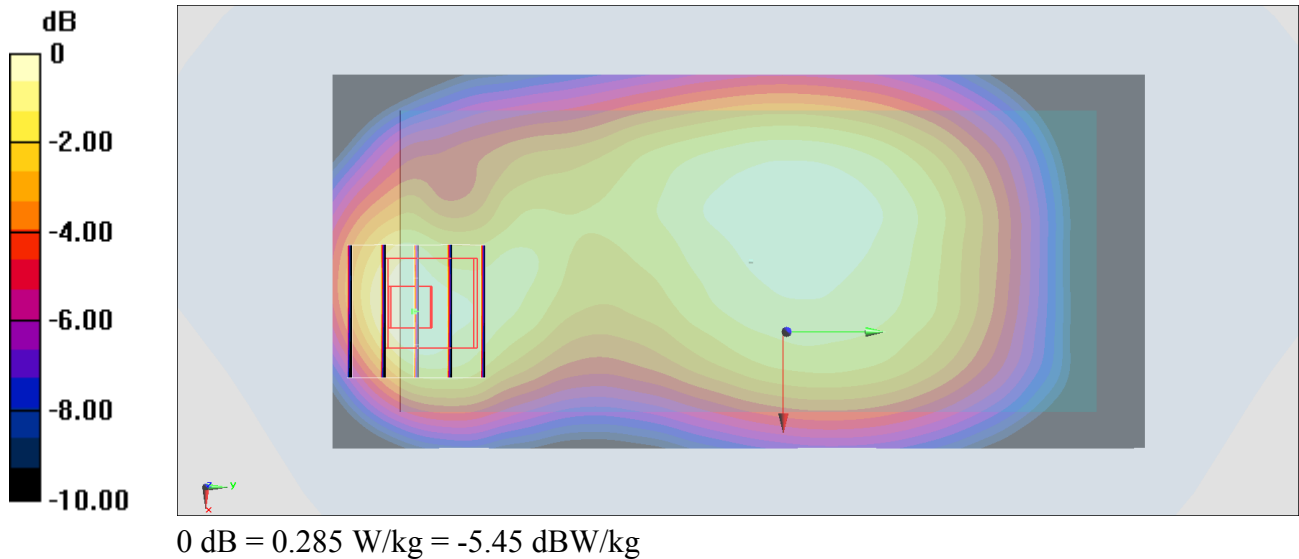
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.66 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.334 W/kg

**SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.129 W/kg**

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



**#19\_LTE Band 7\_20M\_QPSK\_1\_0\_Back\_10mm\_Ch20850**

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

Medium: MSL\_2600\_181118 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.126$  S/m;  $\epsilon_r = 50.881$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2°C; Liquid Temperature : 22.2 °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 (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.46 W/kg

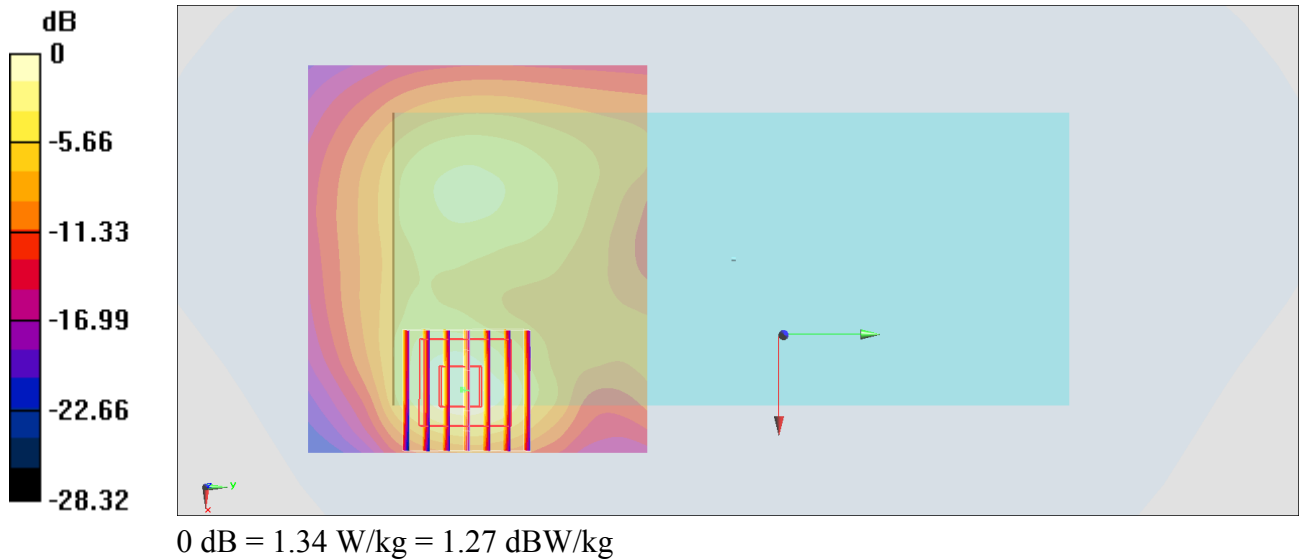
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.99 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 0.802 W/kg; SAR(10 g) = 0.359 W/kg**

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



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

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1.015

Medium: MSL\_2450\_180929 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.037$  S/m;  $\epsilon_r = 51.428$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7324; ConvF(7.36, 7.36, 7.36) ; Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.374 W/kg

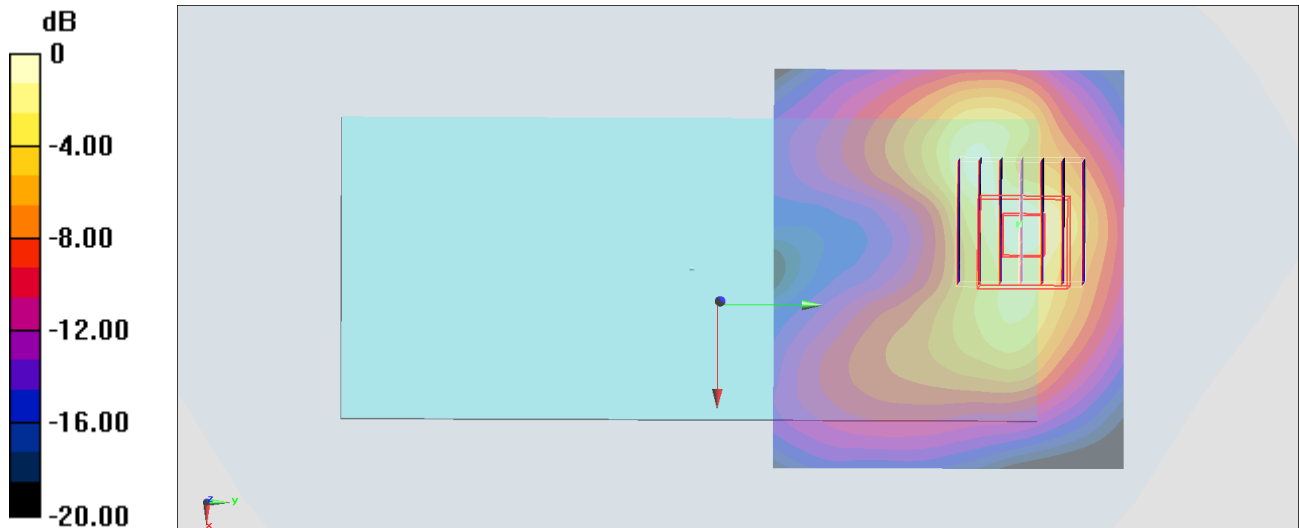
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.35 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.517 W/kg

**SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.096 W/kg**

Maximum value of SAR (measured) = 0.384 W/kg



0 dB = 0.384 W/kg = -4.16 dBW/kg

**#21\_Bluetooth\_1Mbps\_Back\_10mm\_Ch78**

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.297

Medium: MSL\_2450\_180929 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 2.06$  S/m;  $\epsilon_r = 51.41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7324; ConvF(7.36, 7.36, 7.36) ; Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- 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) = 0.0774 W/kg

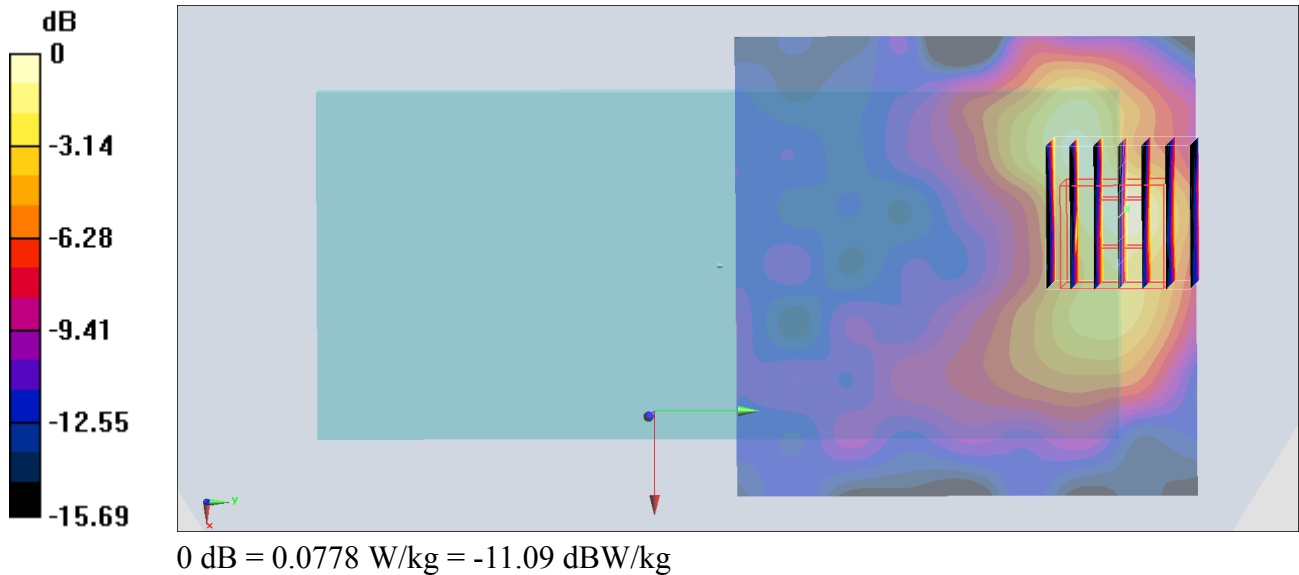
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.441 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.021 W/kg**

Maximum value of SAR (measured) = 0.0778 W/kg



**#22\_GSM850\_GPRS (4 Tx slots)\_Back\_15mm\_Ch189**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:2.08

Medium: MSL\_850\_181123 Medium parameters used :  $f = 836.4$  MHz;  $\sigma = 0.948$  S/m;  $\epsilon_r = 54.543$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5 °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) = 0.676 W/kg

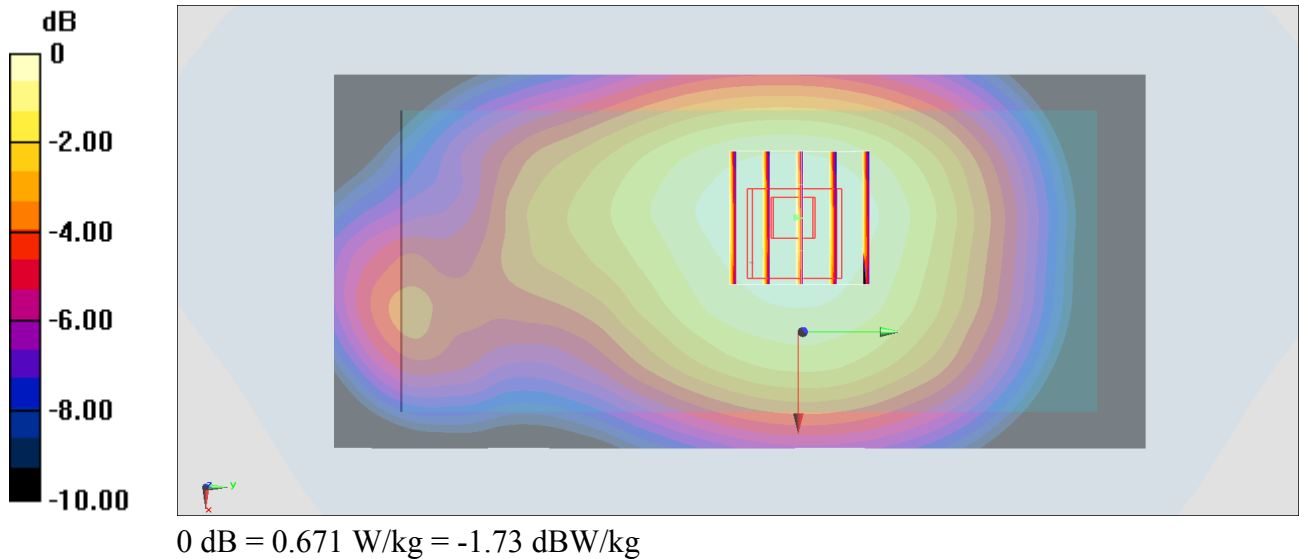
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.46 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.857 W/kg

**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.429 W/kg**

Maximum value of SAR (measured) = 0.671 W/kg



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

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

Medium: MSL\_1900\_181113 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.594$  S/m;  $\epsilon_r = 54.565$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(8.44, 8.44, 8.44); Calibrated: 2017/12/18;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

Maximum value of SAR (interpolated) = 0.553 W/kg

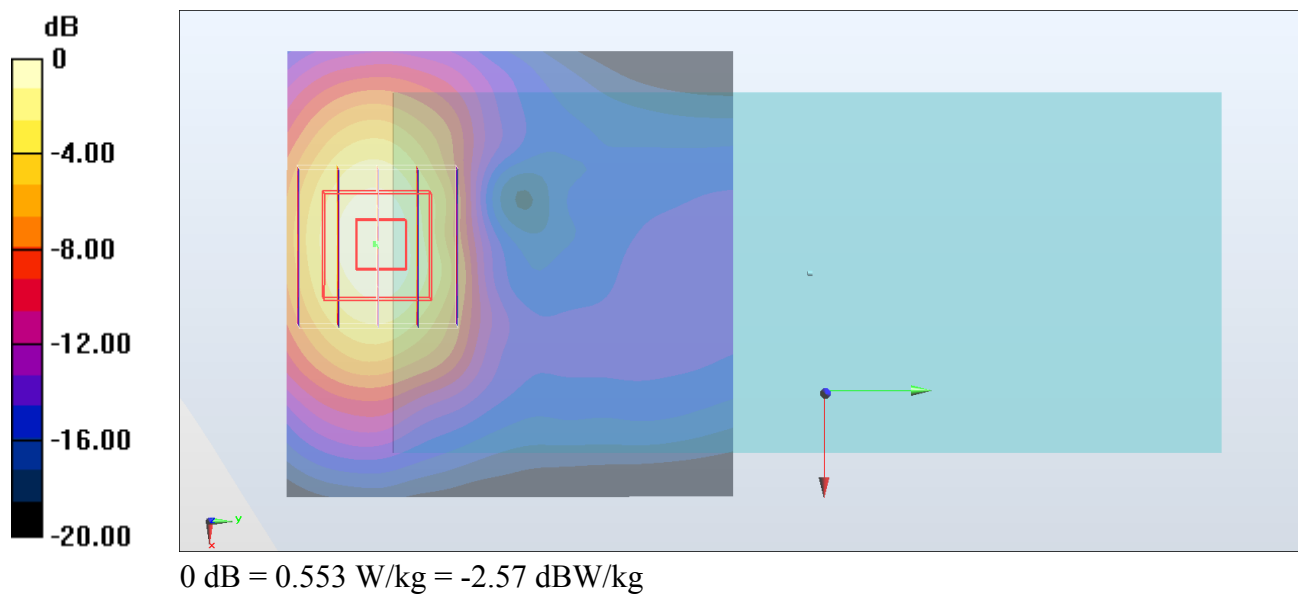
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 18.24 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.653 W/kg

**SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.204 W/kg**

Maximum value of SAR (measured) = 0.550 W/kg



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

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

Medium: MSL\_1900\_181113 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.591$  S/m;  $\epsilon_r = 54.571$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(8.44, 8.44, 8.44); Calibrated: 2017/12/18;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

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

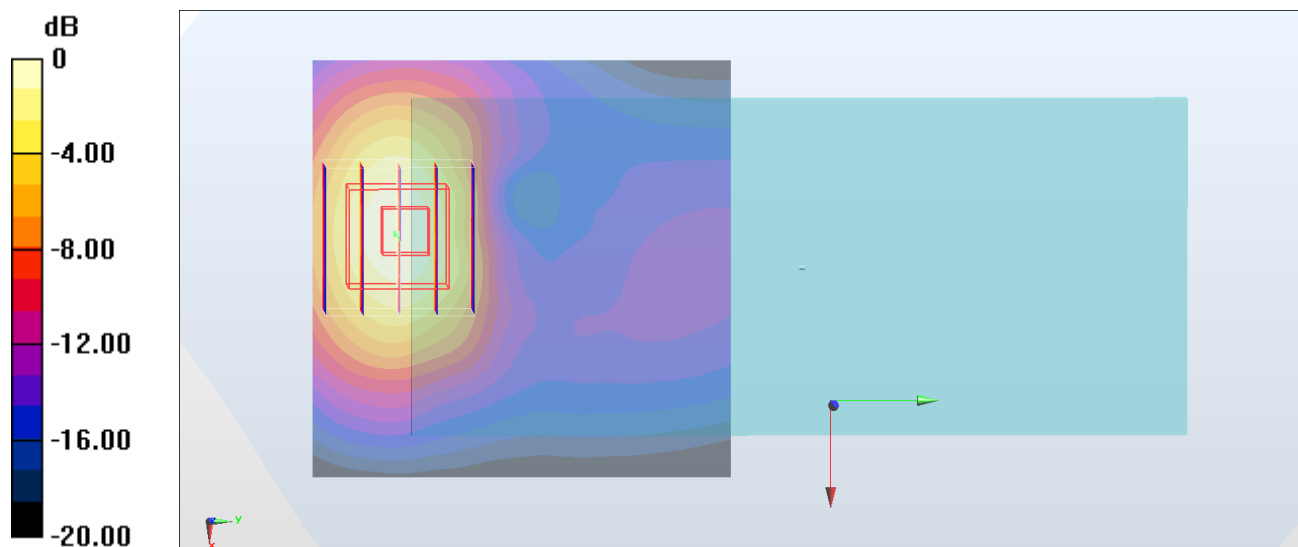
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.64 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.334 W/kg**

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



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



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

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

Medium: MSL\_850\_181123 Medium parameters used :  $f = 826.4$  MHz;  $\sigma = 0.938$  S/m;  $\epsilon_r = 54.509$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5 °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) = 0.268 W/kg

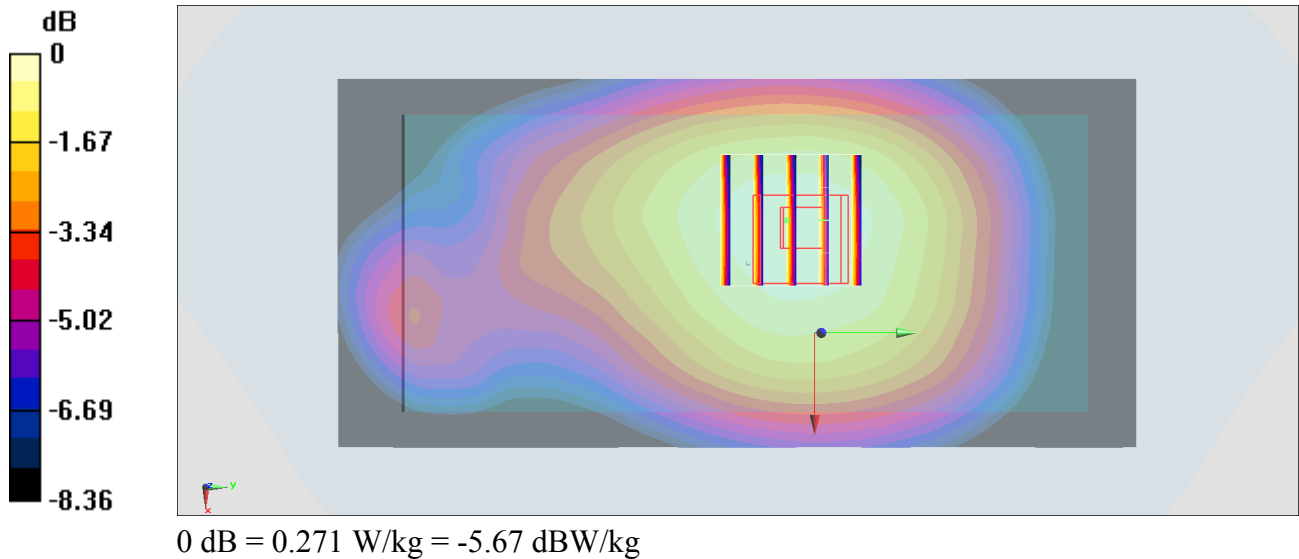
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.33 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.296 W/kg

**SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.171 W/kg**

Maximum value of SAR (measured) = 0.271 W/kg



**#26\_LTE Band 2\_20M\_QPSK\_1\_49\_Back\_15mm\_Ch18900**

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

Medium: MSL\_1900\_181113 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.56$  S/m;  $\epsilon_r = 54.698$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(8.44, 8.44, 8.44); Calibrated: 2017/12/18;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM LEFT; Type: QD000P40CD; Serial: TP:1718
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

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

Maximum value of SAR (interpolated) = 0.613 W/kg

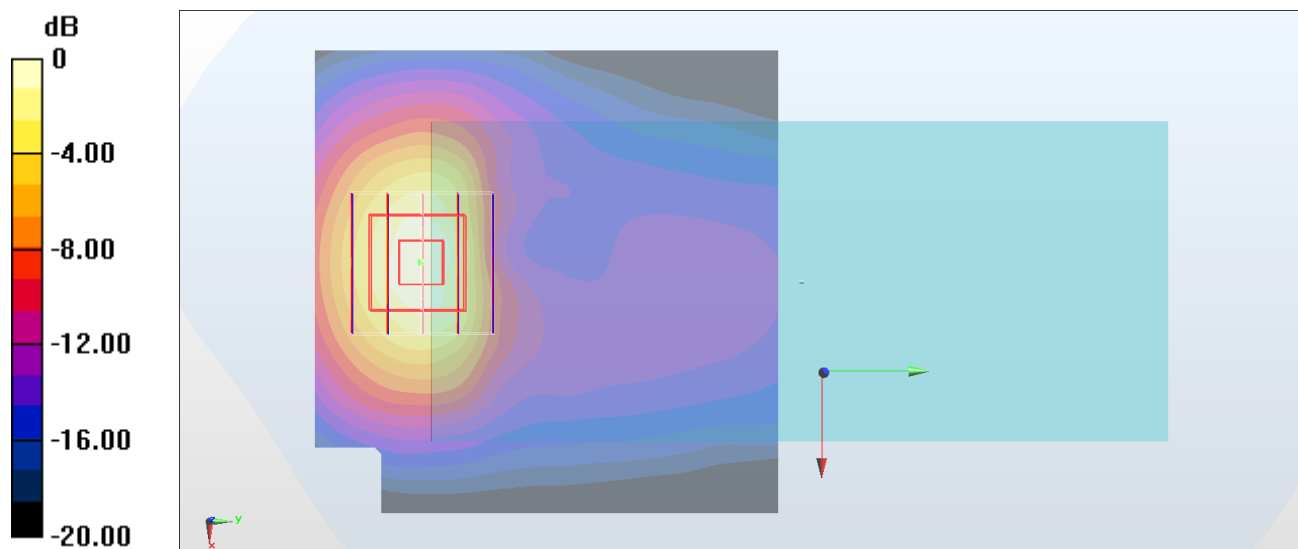
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.01 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.712 W/kg

**SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.224 W/kg**

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



0 dB = 0.613 W/kg = -2.13 dBW/kg

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

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

Medium: MSL\_850\_181123 Medium parameters used :  $f = 836.5$  MHz;  $\sigma = 0.949$  S/m;  $\epsilon_r = 54.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5°C; Liquid Temperature : 22.5 °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) = 0.245 W/kg

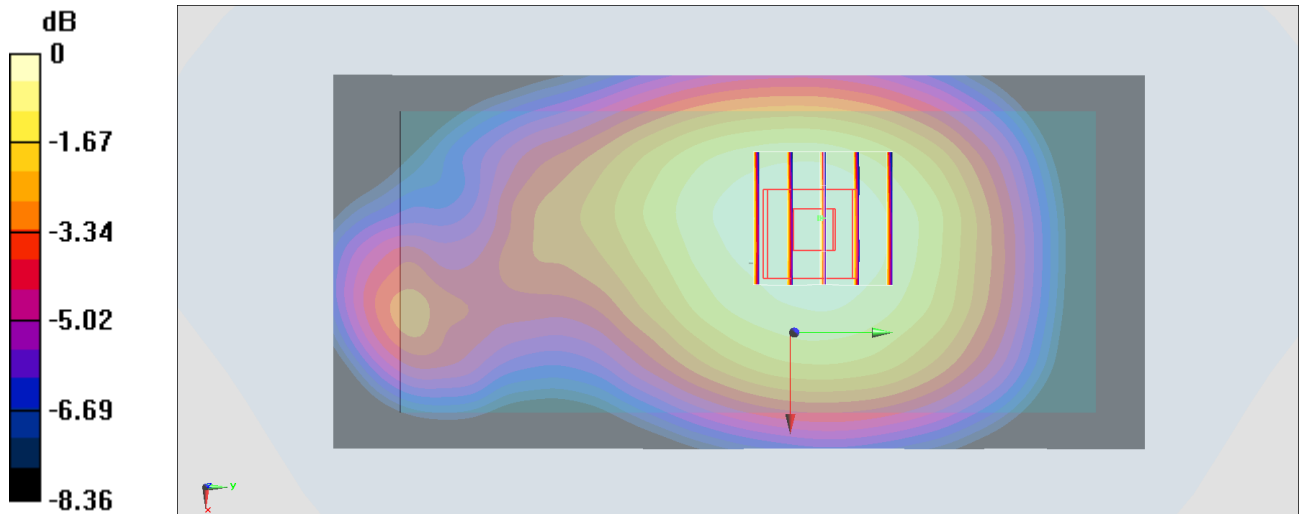
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.66 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.260 W/kg

**SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.155 W/kg**

Maximum value of SAR (measured) = 0.240 W/kg



**#28\_LTE Band 7\_20M\_QPSK\_1\_0\_Front\_15mm\_Ch20850**

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

Medium: MSL\_2600\_181118 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.126$  S/m;  $\epsilon_r = 50.881$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2°C; Liquid Temperature : 22.2 °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 (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.495 W/kg

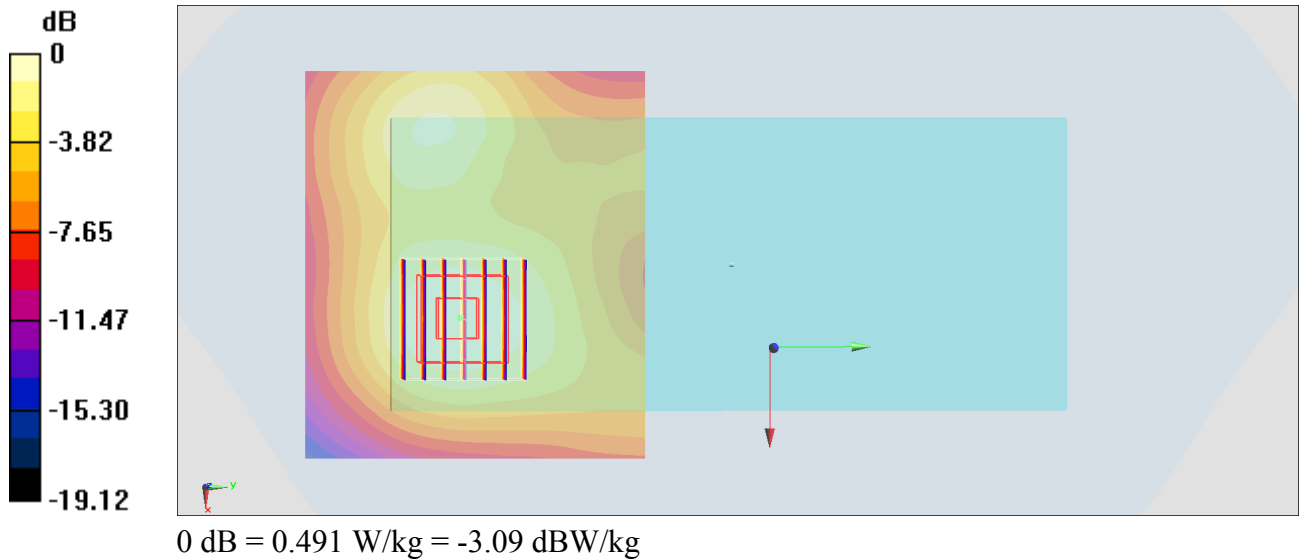
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.36 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.589 W/kg

**SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.190 W/kg**

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



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

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1.015

Medium: MSL\_2450\_180929 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.037$  S/m;  $\epsilon_r = 51.428$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7324; ConvF(7.36, 7.36, 7.36) ; Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.133 W/kg

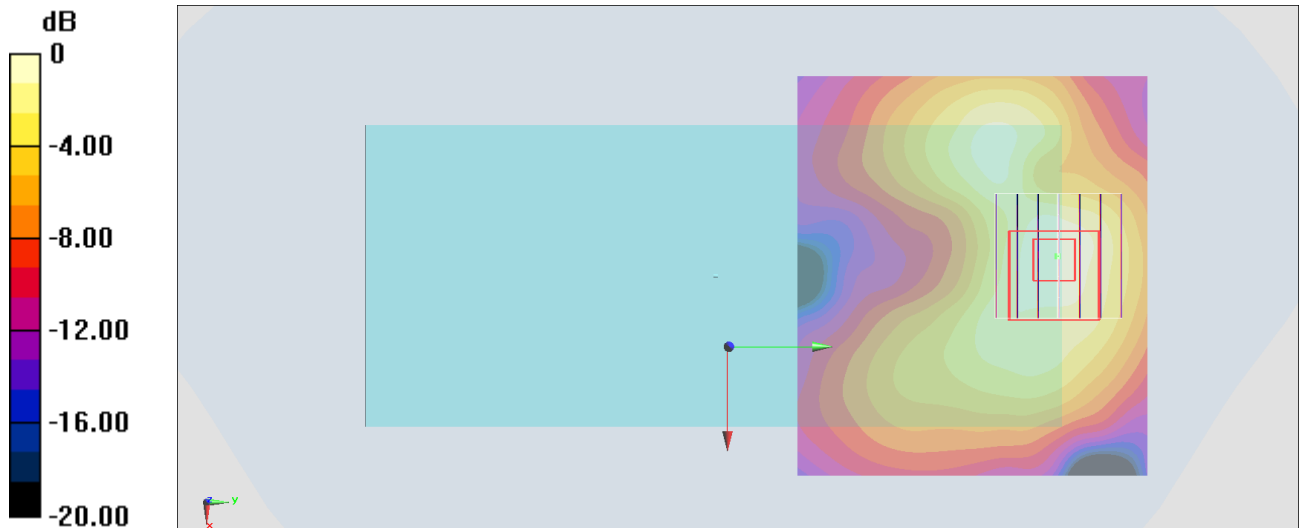
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.419 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.172 W/kg

**SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.046 W/kg**

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



0 dB = 0.134 W/kg = -8.73 dBW/kg

**#30\_WLAN5GHz\_802.11a 6Mbps\_Front\_15mm\_Ch52**

Communication System: 802.11a ; Frequency: 5260 MHz;Duty Cycle: 1:1.059

Medium: MSL\_5G\_180927 Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.128$  S/m;  $\epsilon_r = 50.246$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7346;ConvF(5.06, 5.06, 5.06) ;Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- 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 (101x181x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.120 W/kg

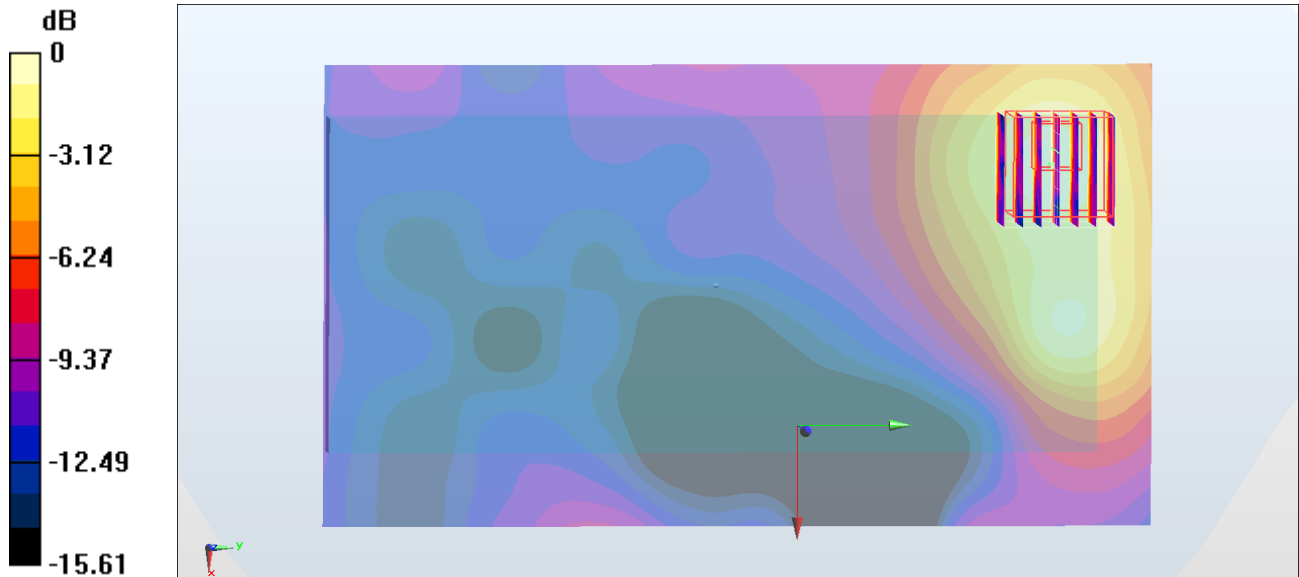
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 5.538 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.178 W/kg

**SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.032 W/kg**

Maximum value of SAR (measured) = 0.124 W/kg



0 dB = 0.124 W/kg = -9.07 dBW/kg

**#31\_WLAN5GHz\_802.11a 6Mbps\_Front\_15mm\_Ch116**

Communication System: 802.11a ; Frequency: 5580 MHz;Duty Cycle: 1:1.059

Medium: MSL\_5G\_180927 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.547$  S/m;  $\epsilon_r = 49.697$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7346;ConvF(4.35, 4.35, 4.35) ;Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- 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 (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.100 W/kg

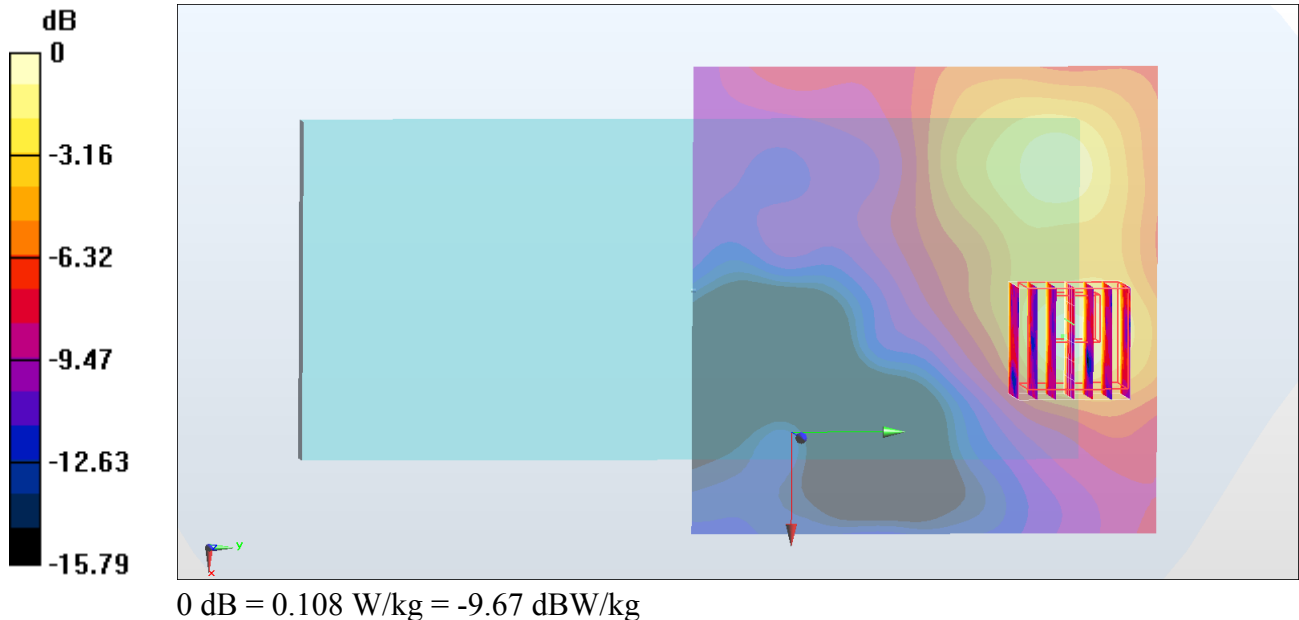
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 4.605 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.166 W/kg

**SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.108 W/kg



**#32\_WLAN5GHz\_802.11a 6Mbps\_Front\_15mm\_Ch157**

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1059

Medium: MSL\_5G\_180930 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.178$  S/m;  $\epsilon_r = 46.07$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7346; ConvF(4.52, 4.52, 4.52) ; Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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

Maximum value of SAR (interpolated) = 0.216 W/kg

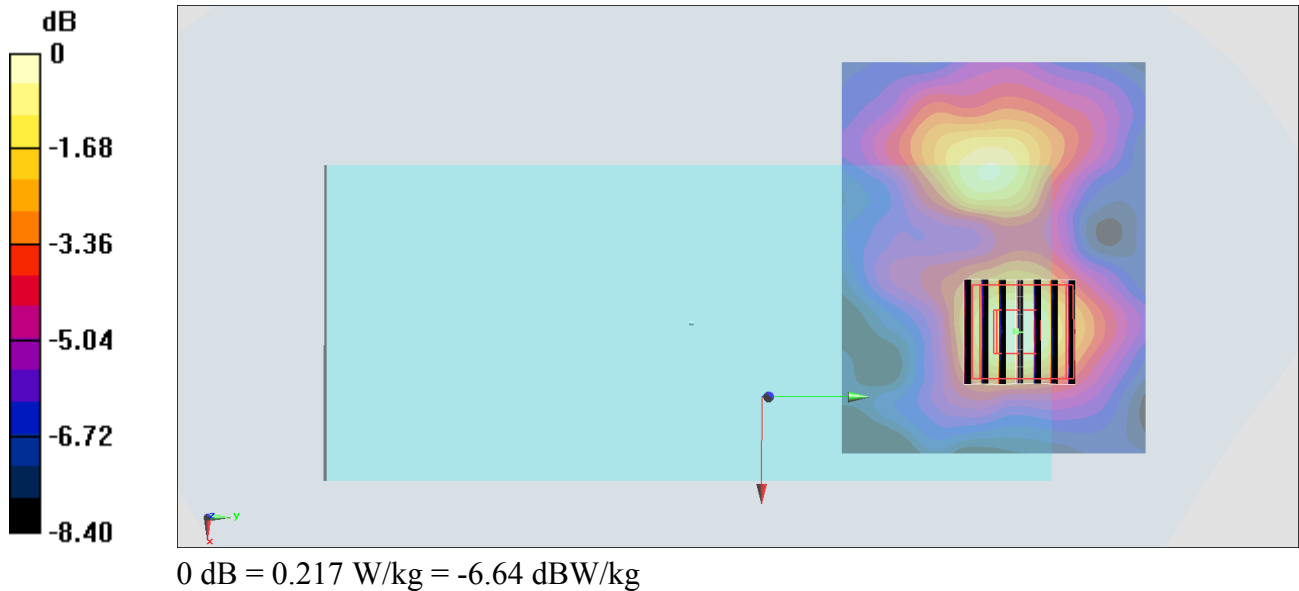
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.075 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.347 W/kg

**SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.053 W/kg**

Maximum value of SAR (measured) = 0.217 W/kg





### #33\_Bluetooth\_1Mbps\_Back\_15mm\_Ch78

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.297

Medium: MSL\_2450\_180929 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 2.06$  S/m;  $\epsilon_r = 51.41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7324; ConvF(7.36, 7.36, 7.36) ; Calibrated: 2018/7/16
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1815
- 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) = 0.0283 W/kg

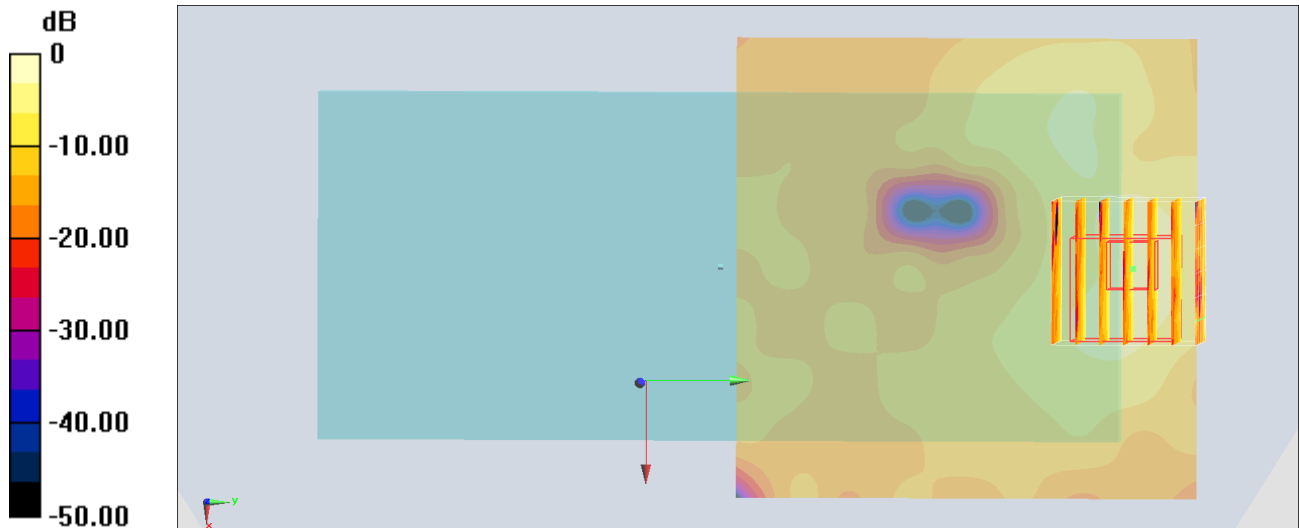
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.953 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.132 W/kg

**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00925 W/kg**

Maximum value of SAR (measured) = 0.0920 W/kg



0 dB = 0.0920 W/kg = -10.36 dBW/kg

**#34\_GSM1900\_GPRS (4 Tx slots)\_Back\_0mm\_Ch661**

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

Medium: MSL\_1900\_181122 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.558$  S/m;  $\epsilon_r = 52.593$ ;  $\rho = 1000$  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 (61x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.51 W/kg

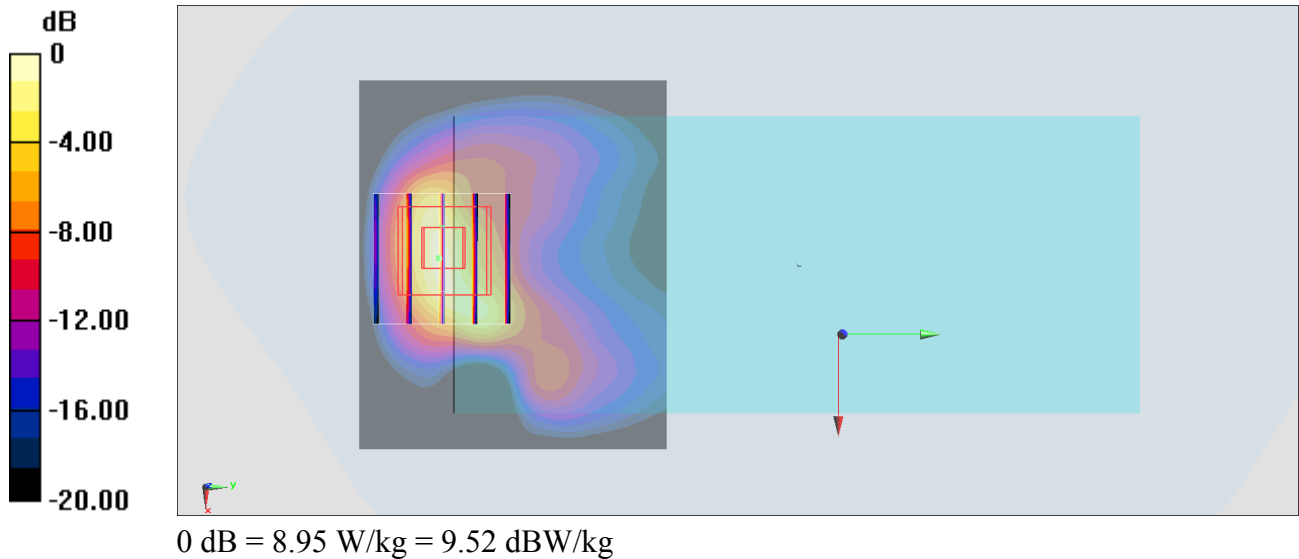
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.33 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 10.9 W/kg

**SAR(1 g) = 5.07 W/kg; SAR(10 g) = 2.2 W/kg**

Maximum value of SAR (measured) = 8.95 W/kg



**#35\_WCDMA II\_RMC 12.2Kbps\_Front\_0mm\_Ch9538**

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

Medium: MSL\_1900\_181122 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.59$  S/m;  $\epsilon_r = 52.439$ ;  $\rho = 1000$  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 (61x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.1 W/kg

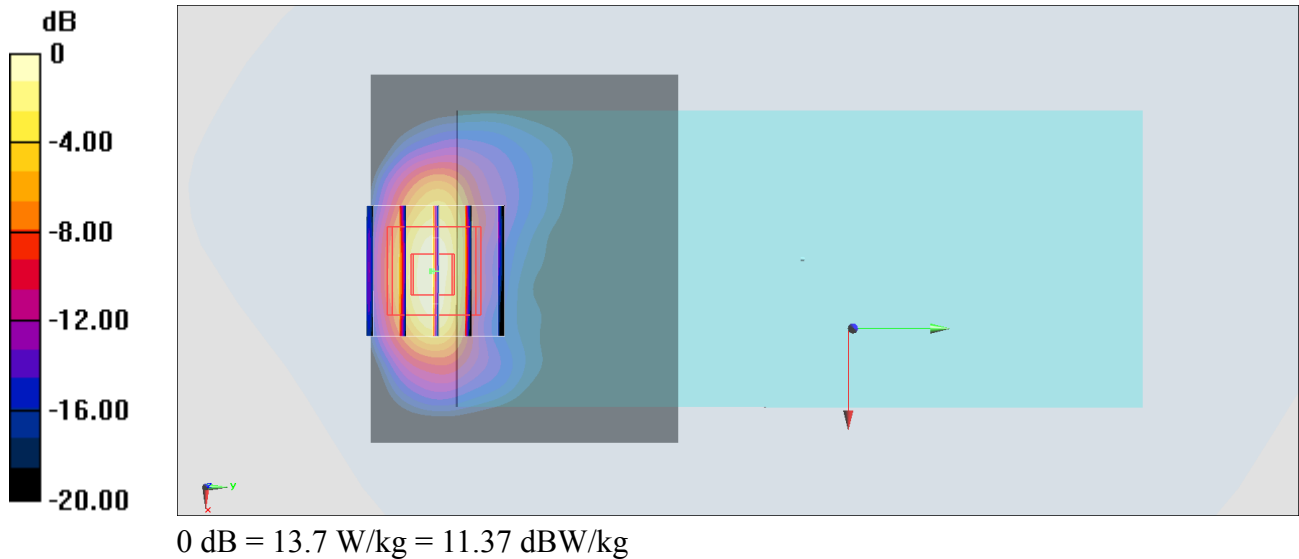
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 78.86 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 16.1 W/kg

**SAR(1 g) = 7.33 W/kg; SAR(10 g) = 3.02 W/kg**

Maximum value of SAR (measured) = 13.7 W/kg



**#36\_LTE Band 2\_20M\_QPSK\_1\_49\_Back\_0mm\_Ch19100**

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

Medium: MSL\_1900\_181122 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.583$  S/m;  $\epsilon_r = 52.463$ ;  $\rho = 1000$  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 (61x51x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.76 W/kg

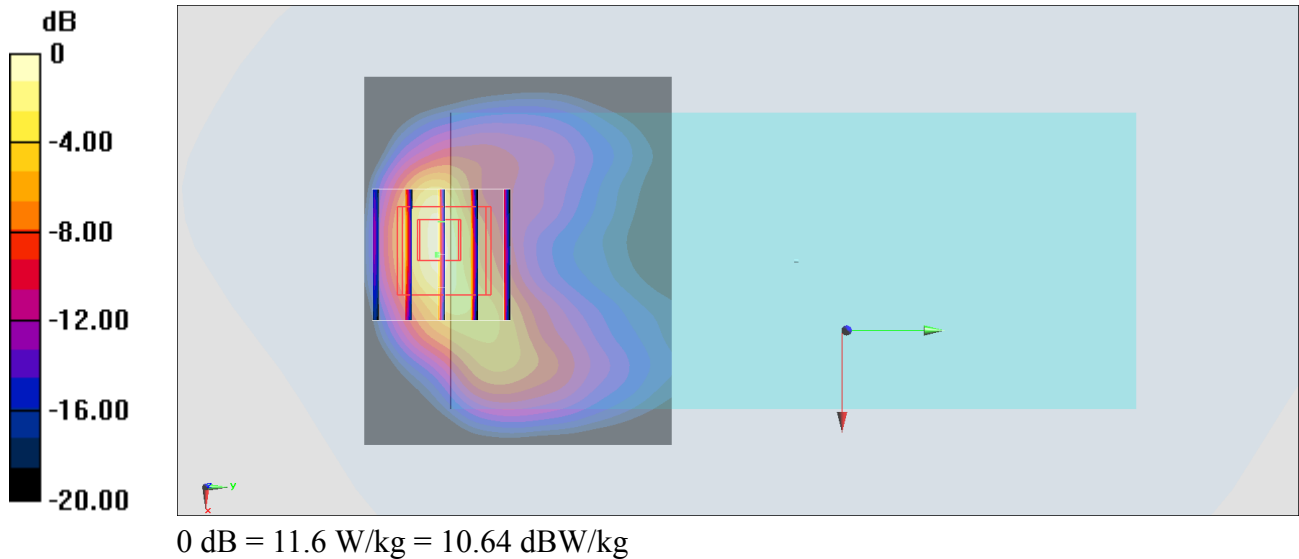
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.73 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 14.0 W/kg

**SAR(1 g) = 6.22 W/kg; SAR(10 g) = 2.67 W/kg**

Maximum value of SAR (measured) = 11.6 W/kg



**#37\_WLAN5GHz\_802.11a 6Mbps\_Front\_0mm\_Ch52**

Communication System: 802.11a ; Frequency: 5260 MHz; Duty Cycle: 1:1.059

Medium: MSL\_5G\_180927 Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.128$  S/m;  $\epsilon_r = 50.246$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7346; ConvF(5.06, 5.06, 5.06) ; Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- 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 (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 3.90 W/kg

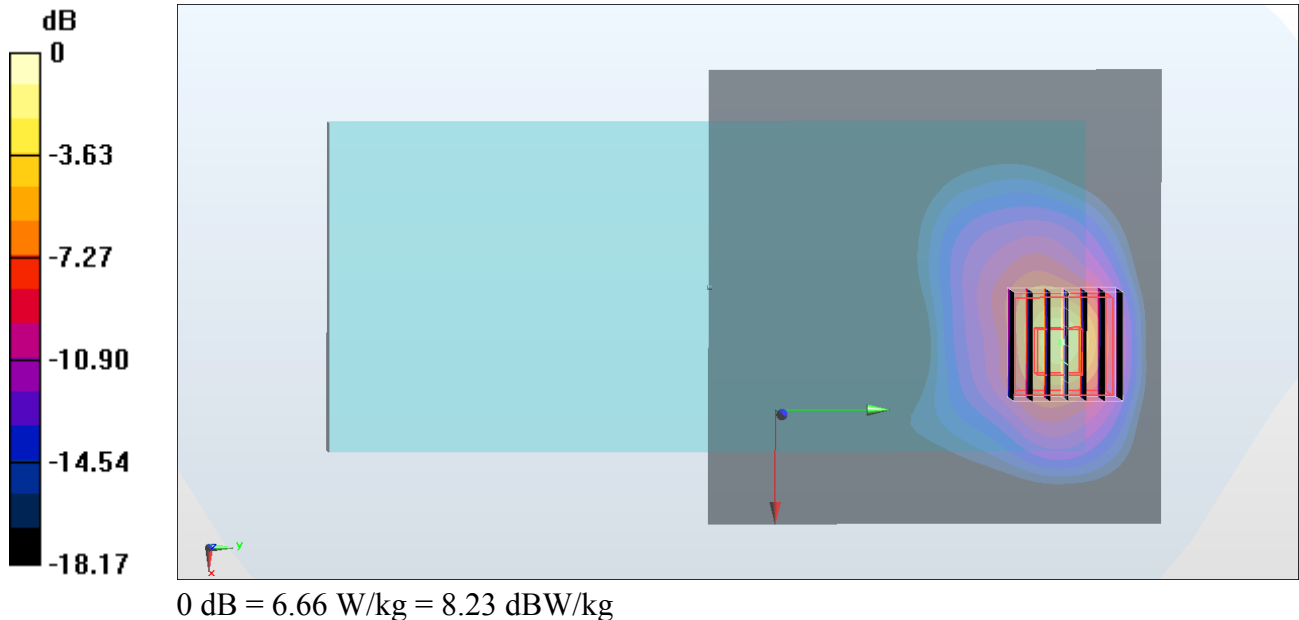
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 23.55 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 12.3 W/kg

**SAR(1 g) = 2.33 W/kg; SAR(10 g) = 0.699 W/kg**

Maximum value of SAR (measured) = 6.66 W/kg



**#38\_WLAN5GHz\_802.11a 6Mbps\_Front\_0mm\_Ch116**

Communication System: 802.11a ; Frequency: 5580 MHz;Duty Cycle: 1:1.059

Medium: MSL\_5G\_180927 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.547$  S/m;  $\epsilon_r = 49.697$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7346;ConvF(4.35, 4.35, 4.35) ;Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- 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 (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 2.10 W/kg

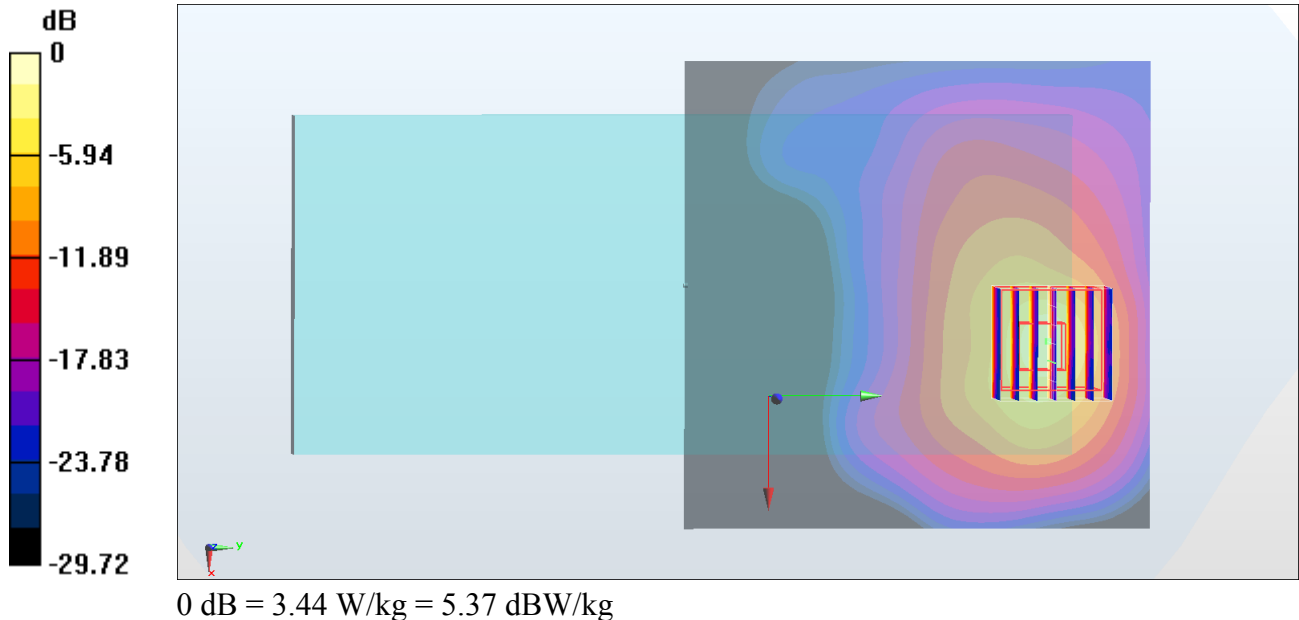
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 17.17 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 6.92 W/kg

**SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.360 W/kg**

Maximum value of SAR (measured) = 3.44 W/kg



**#39\_WLAN5GHz\_802.11a 6Mbps\_Front\_0mm\_Ch149**

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.059

Medium: MSL\_5G\_180930 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.124$  S/m;  $\epsilon_r = 46.12$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7346; ConvF(4.52, 4.52, 4.52) ; Calibrated: 2018/2/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2018/6/21
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1446
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x61x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 4.25 W/kg

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

Reference Value = 13.97 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 11.7 W/kg

**SAR(1 g) = 1.82 W/kg; SAR(10 g) = 0.520 W/kg**

Maximum value of SAR (measured) = 5.41 W/kg

