

**System Check\_Head\_5250MHz****DUT: D5GHzV2 - 1006**

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL\_5000 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.655$  S/m;  $\epsilon_r = 36.331$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(5.2, 5.2, 5.2); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 17.7 W/kg

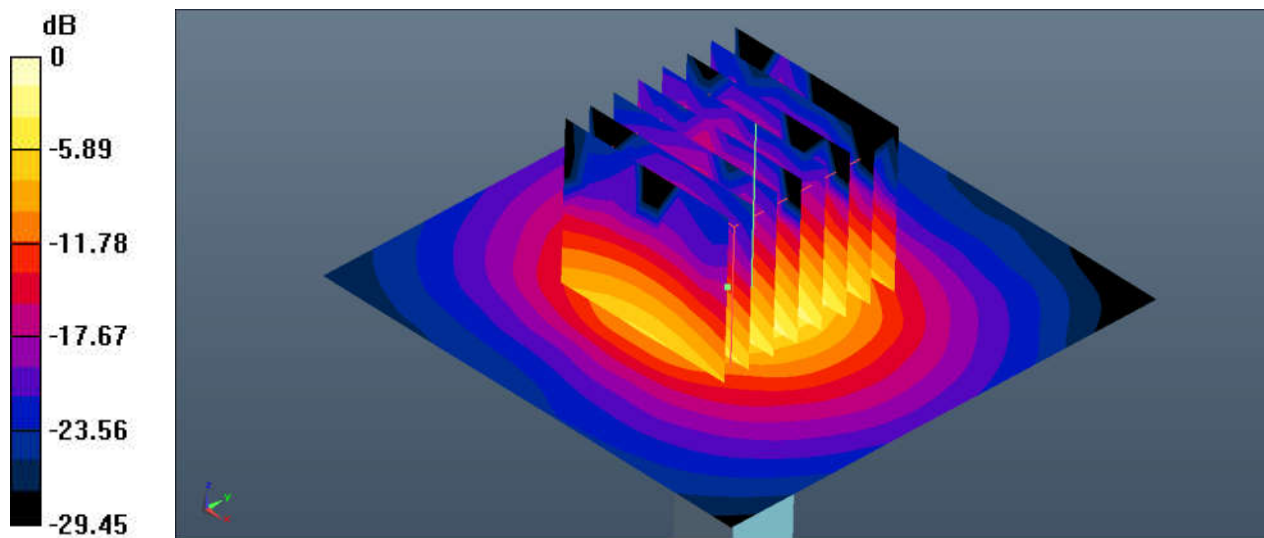
**Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 42.97 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 30.1 W/kg

**SAR(1 g) = 7.51 W/kg; SAR(10 g) = 2.18 W/kg**

Maximum value of SAR (measured) = 17.6 W/kg



0 dB = 17.7 W/kg = 12.48 dBW/kg

**System Check\_Head\_5600MHz****DUT: D5GHzV2 - 1006**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL\_5000 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.014$  S/m;  $\epsilon_r = 35.85$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.94, 4.94, 4.94); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 17.8 W/kg

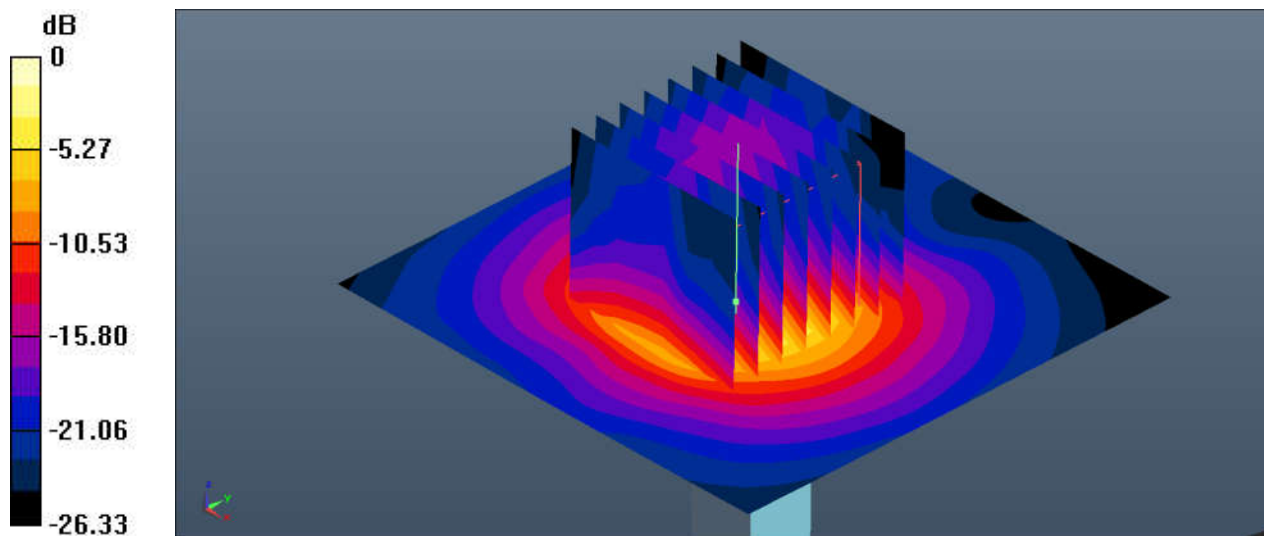
**Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 39.39 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 28.2 W/kg

**SAR(1 g) = 7.7 W/kg; SAR(10 g) = 2.41 W/kg**

Maximum value of SAR (measured) = 17.5 W/kg



0 dB = 17.8 W/kg = 12.50 dBW/kg

**System Check\_Head\_5750MHz****DUT: D5GHzV2 - 1006**

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL\_5000 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.17$  S/m;  $\epsilon_r = 35.647$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.23, 5.23, 5.23); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=100W/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 16.9 W/kg

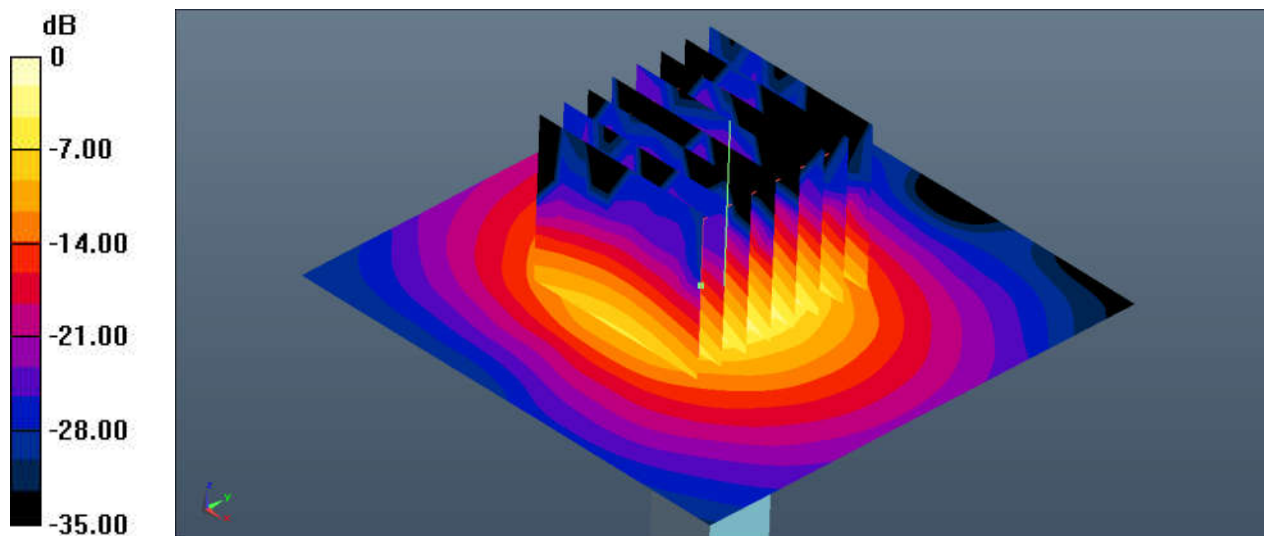
**Pin=100W/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.72 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 31.5 W/kg

**SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.19 W/kg**

Maximum value of SAR (measured) = 16.9 W/kg



0 dB = 16.9 W/kg = 12.28 dBW/kg

**System Check\_Body\_750MHz****DUT: D750V3 - 1087**

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium: MSL\_750 Medium parameters used:  $f = 750$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 56.694$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.7, 9.7, 9.7); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

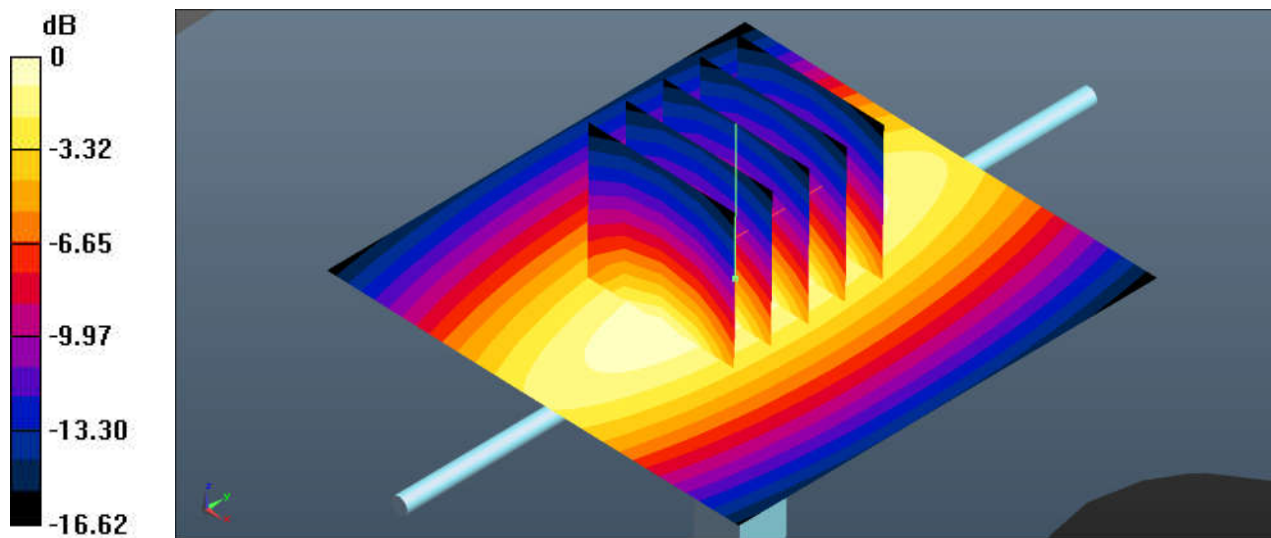
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 55.09 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.02 W/kg

**SAR(1 g) = 2.25 W/kg; SAR(10 g) = 1.55 W/kg**

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



0 dB = 3.44 W/kg = 5.37 dBW/kg

**System Check\_Body\_835MHz****DUT: D835V2 - 4d151**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL\_850 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.987$  S/m;  $\epsilon_r = 54.827$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.05 W/kg

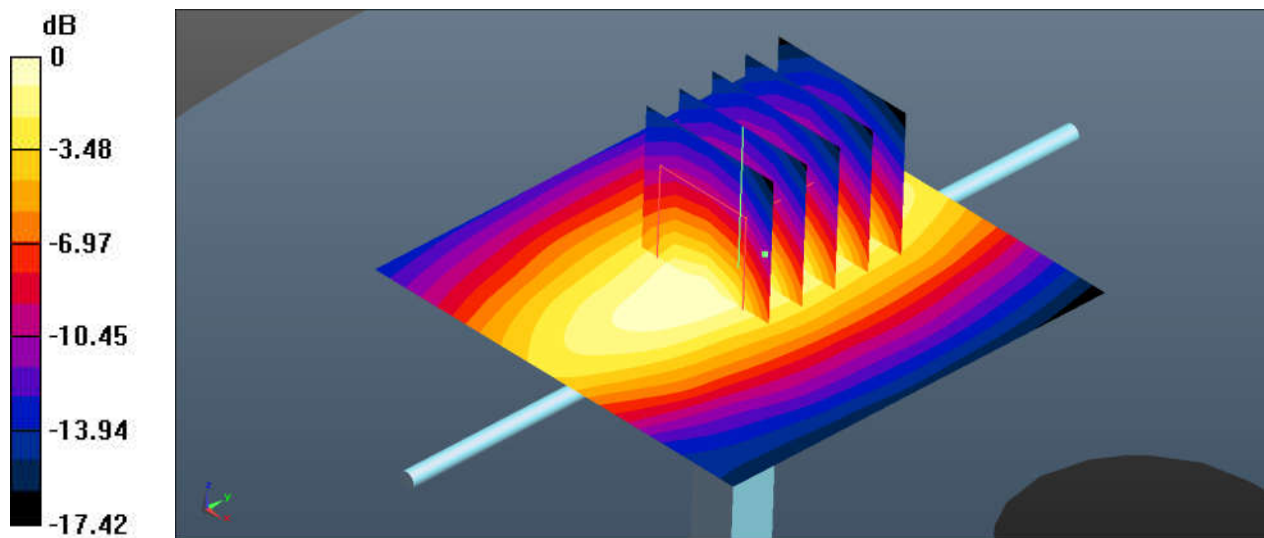
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.81 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.53 W/kg

**SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.59 W/kg**

Maximum value of SAR (measured) = 6.79 W/kg



0 dB = 7.05 W/kg = 8.48 dBW/kg

**System Check\_Body\_1750MHz****DUT: D1750V2 - 1090**

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: MSL\_1750 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.521$  S/m;  $\epsilon_r = 54.081$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(8.15, 8.15, 8.15); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 12.6 W/kg

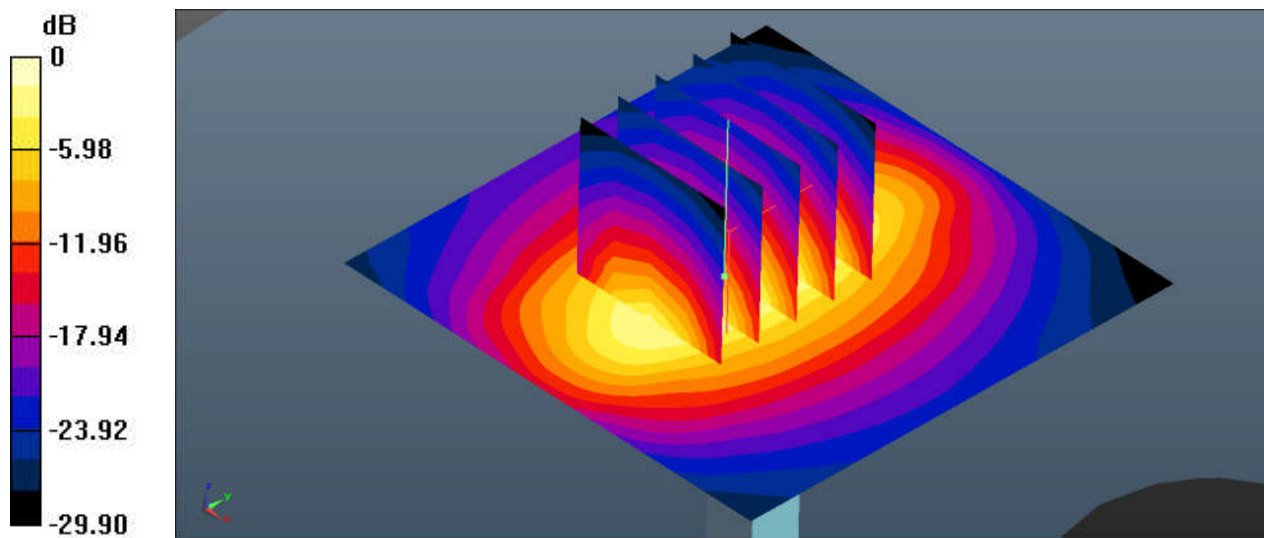
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 79.29 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 15.6 W/kg

**SAR(1 g) = 8.99 W/kg; SAR(10 g) = 4.82 W/kg**

Maximum value of SAR (measured) = 12.6 W/kg



0 dB = 12.6 W/kg = 11.00 dBW/kg

**System Check\_Body\_1900MHz****DUT: D1900V2 - 5d170**

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL\_1900 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.534$  S/m;  $\epsilon_r = 53.035$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.82, 7.82, 7.82); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 22.2 W/kg

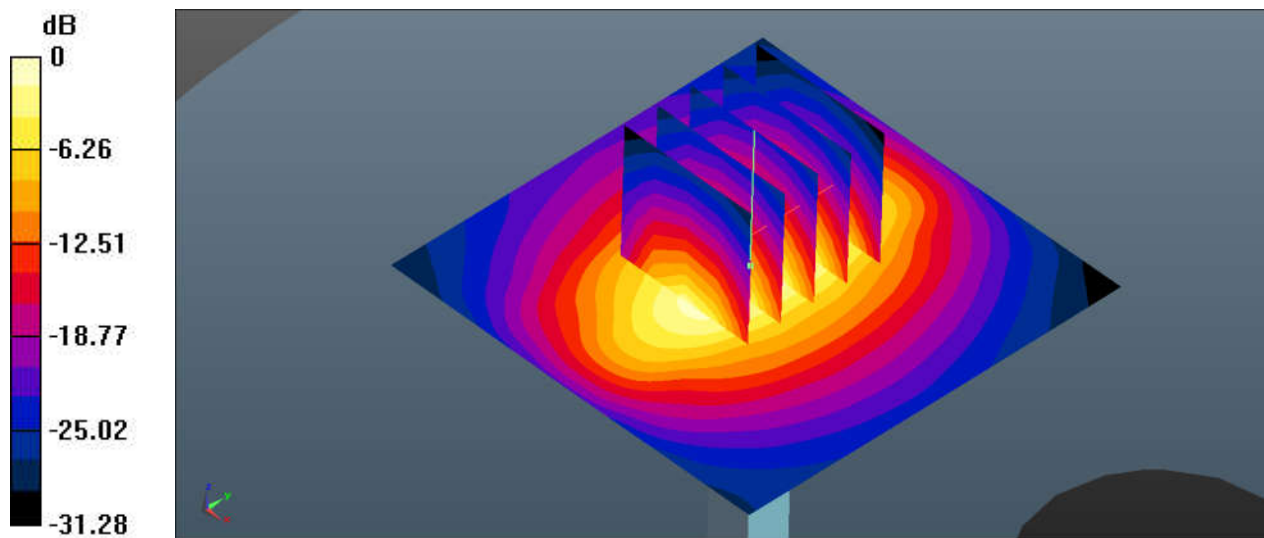
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 98.4 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 27.5 W/kg

**SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.11 W/kg**

Maximum value of SAR (measured) = 22.3 W/kg



0 dB = 22.2 W/kg = 13.46 dBW/kg

**System Check\_Body\_2300MHz****DUT: D2300V2 - 1055**

Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: MSL\_2300 Medium parameters used:  $f = 2300$  MHz;  $\sigma = 1.81$  S/m;  $\epsilon_r = 53.972$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3843; ConvF(7.27, 7.27, 7.27); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (81x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 27.2 W/kg

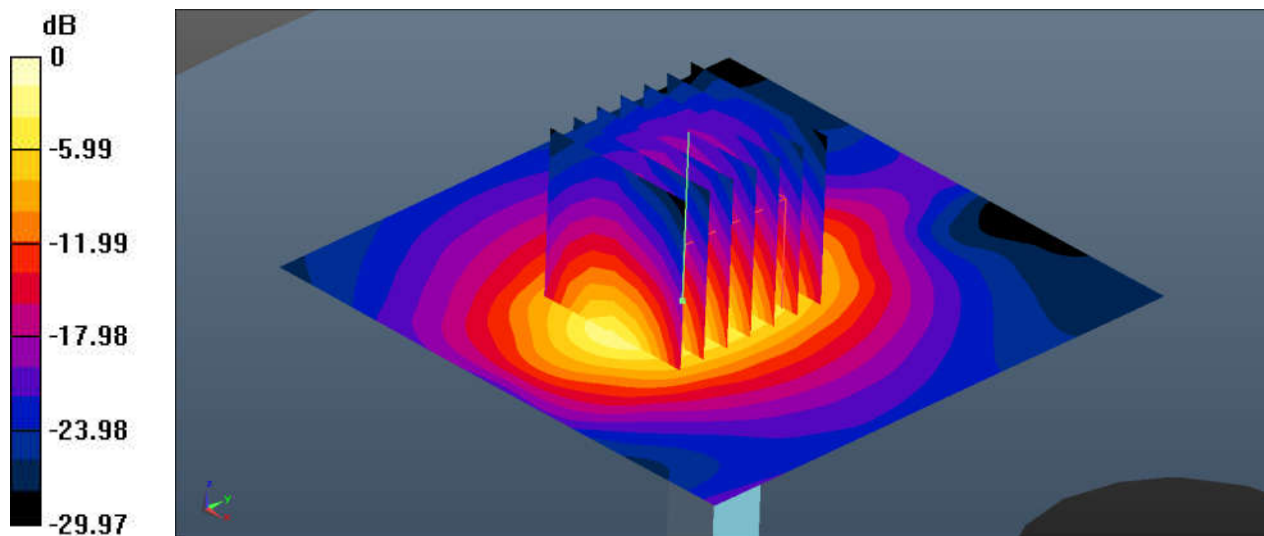
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 85.7 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 36.5 W/kg

**SAR(1 g) = 11.5 W/kg; SAR(10 g) = 5.4 W/kg**

Maximum value of SAR (measured) = 21.5 W/kg



0 dB = 30.2 W/kg = 14.80 dBW/kg

**System Check\_Body\_2450MHz****DUT: D2450V2 - 908**

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: MSL\_2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 2.009$  S/m;  $\epsilon_r = 53.445$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.39, 4.39, 4.39); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (81x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 17.0 W/kg

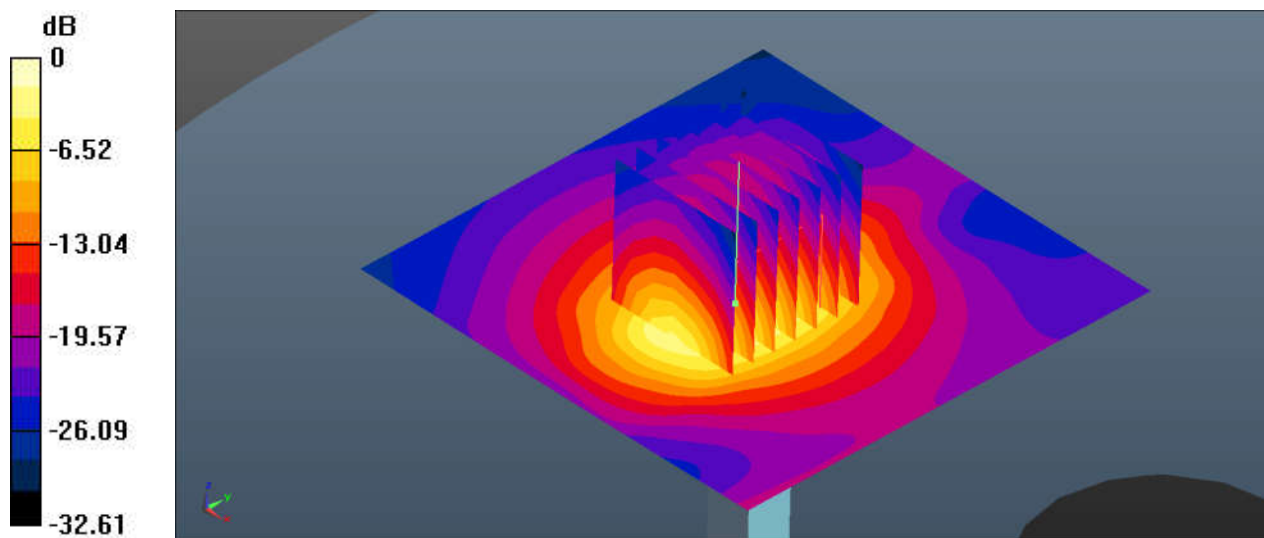
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 82.61 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 19.1 W/kg

**SAR(1 g) = 11.9 W/kg; SAR(10 g) = 5.91 W/kg**

Maximum value of SAR (measured) = 16.6 W/kg



0 dB = 17.0 W/kg = 12.30 dBW/kg

**System Check\_Body\_2600MHz****DUT: D2600V2 - 1061**

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: MSL\_2600 Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.217$  S/m;  $\epsilon_r = 52.913$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.38, 7.38, 7.38); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 33.0 W/kg

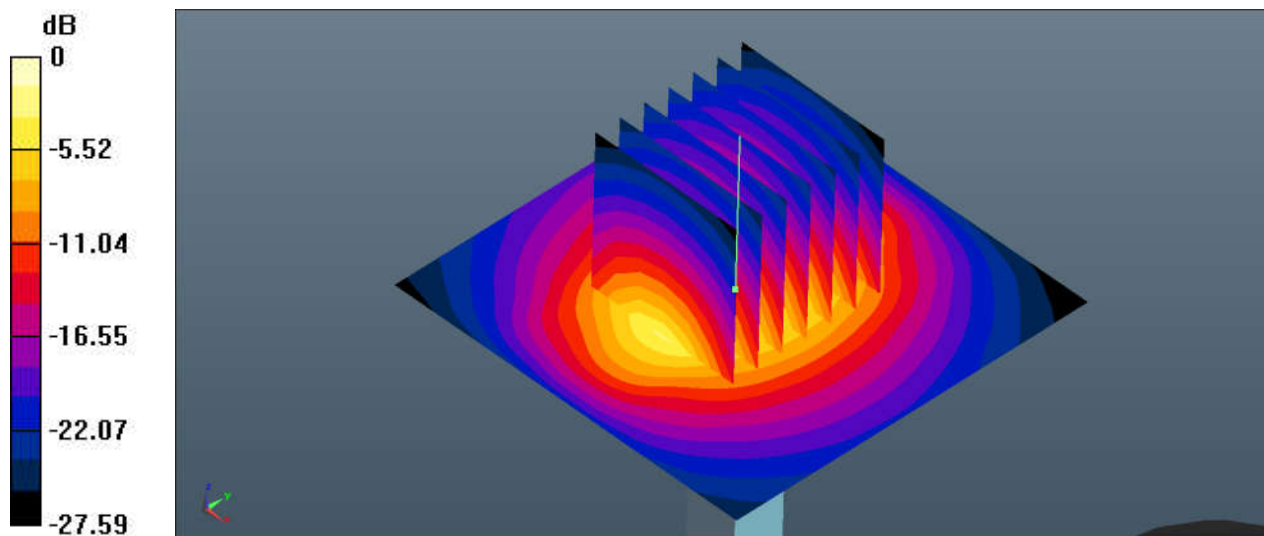
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 78.47 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 38.0 W/kg

**SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.69 W/kg**

Maximum value of SAR (measured) = 21.6 W/kg



0 dB = 21.0 W/kg = 13.22 dBW/kg

**System Check\_Body\_5250MHz****DUT: D5GHzV2 - 1006**

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: MSL\_5000 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 5.541$  S/m;  $\epsilon_r = 47.435$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(4.4, 4.4, 4.4); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 17.1 W/kg

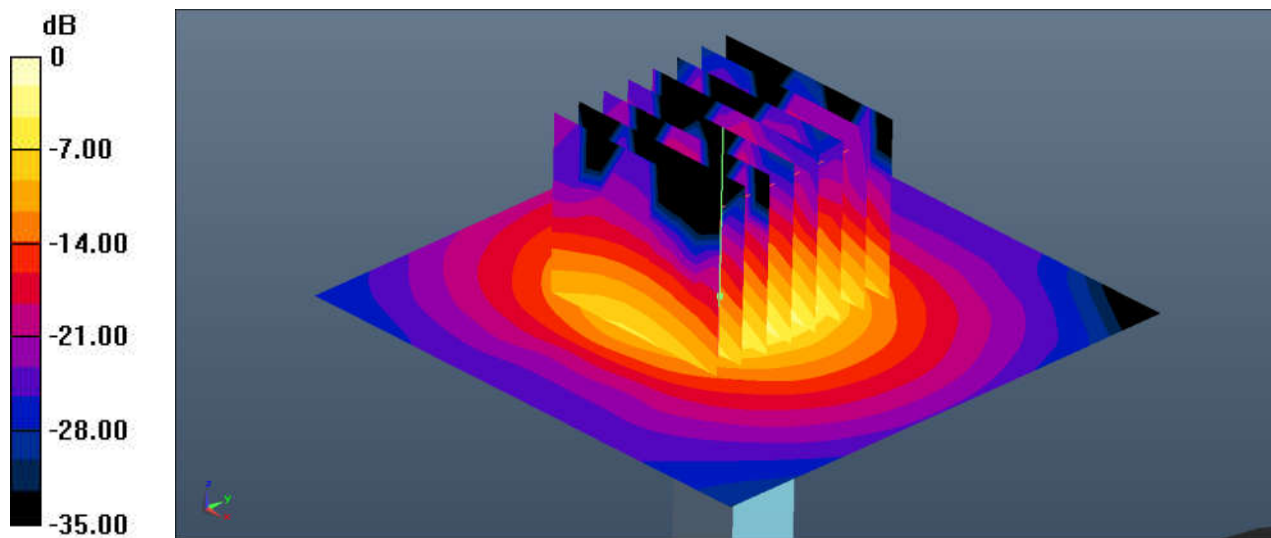
**Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 38.26 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 28.8 W/kg

**SAR(1 g) = 7.25 W/kg; SAR(10 g) = 2.01 W/kg**

Maximum value of SAR (measured) = 16.8 W/kg



0 dB = 17.1 W/kg = 12.33 dBW/kg

**System Check\_Body\_5600MHz****DUT: D5GHzV2 - 1006**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: MSL\_5000 Medium parameters used:  $f = 5600$  MHz;  $\sigma = 6.001$  S/m;  $\epsilon_r = 46.826$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(3.98, 3.98, 3.98); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 24.4 W/kg

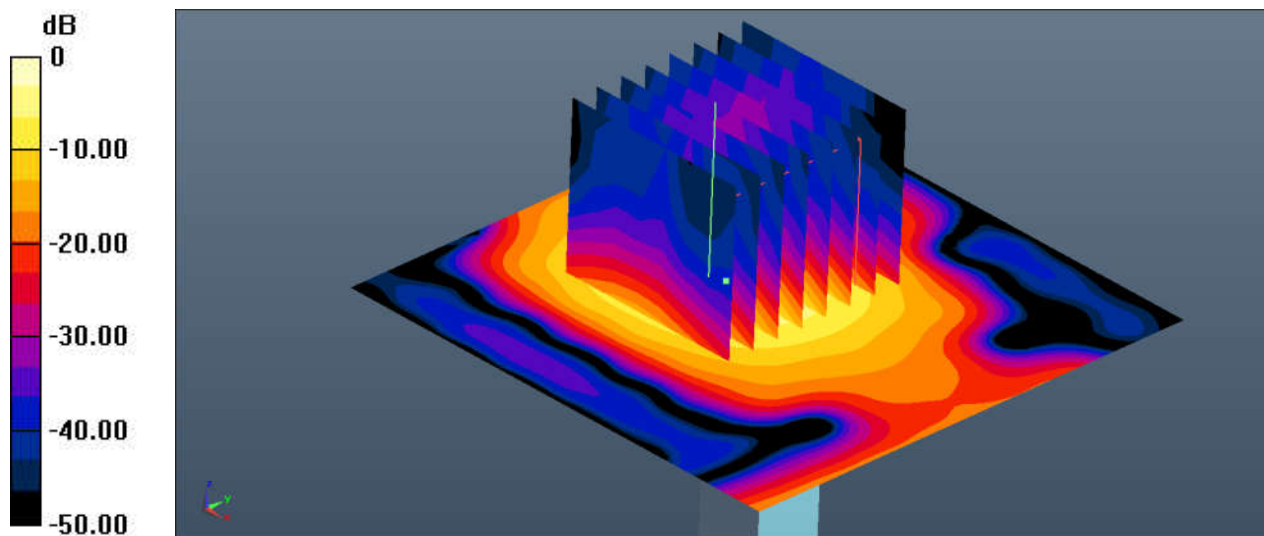
**Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 33.31 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 42.0 W/kg

**SAR(1 g) = 8.02 W/kg; SAR(10 g) = 2.29 W/kg**

Maximum value of SAR (measured) = 21.2 W/kg



0 dB = 21.2 W/kg = 13.87 dBW/kg

**System Check\_Body\_5750MHz****DUT: D5GHzV2 - 1006**

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: MSL\_5000 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 6.214$  S/m;  $\epsilon_r = 46.579$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.31, 4.31, 4.31); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 17.2 W/kg

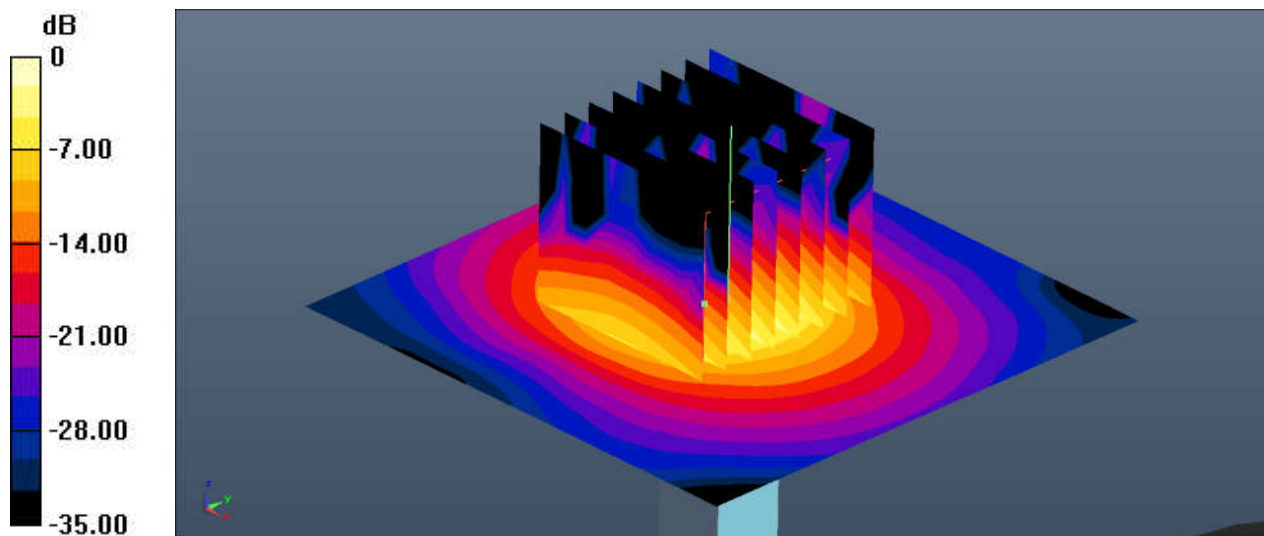
**Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 34.71 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 31.6 W/kg

**SAR(1 g) = 8.09 W/kg; SAR(10 g) = 2.19 W/kg**

Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 17.2 W/kg = 12.36 dBW/kg



## ***Appendix B. Plots of High SAR Measurement***

The plots are shown as follows.

**01\_GSM850\_GPRS 2 Tx slots\_Right Cheek\_0mm\_Ch128**

Communication System: UID 0, GSM850 (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.15

Medium: HSL\_850 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.905$  S/m;  $\epsilon_r = 41.416$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.47, 6.47, 6.47); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch128/Area Scan (71x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

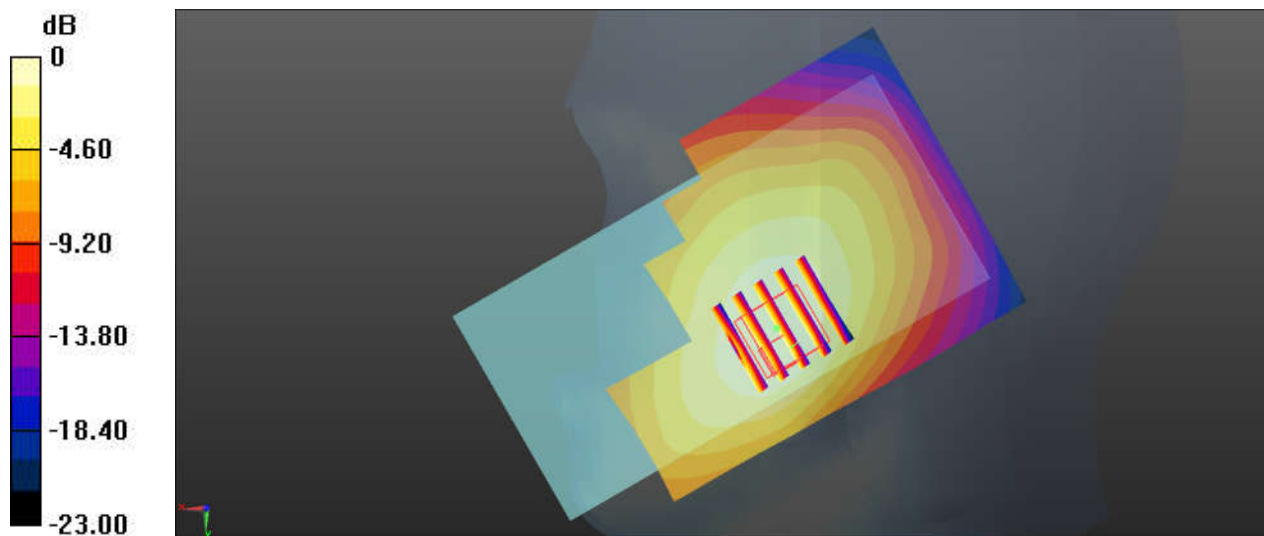
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.625 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.404 W/kg

**SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.204 W/kg**

Maximum value of SAR (measured) = 0.311 W/kg



0 dB = 0.285 W/kg = -5.45 dBW/kg

**02\_GSM1900\_GPRS 2 Tx slots\_Left Cheek\_0mm\_Ch661**

Communication System: UID 0, PCS (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: HSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.413$  S/m;  $\epsilon_r = 40.127$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(5.19, 5.19, 5.19); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch661/Area Scan (71x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.122 W/kg

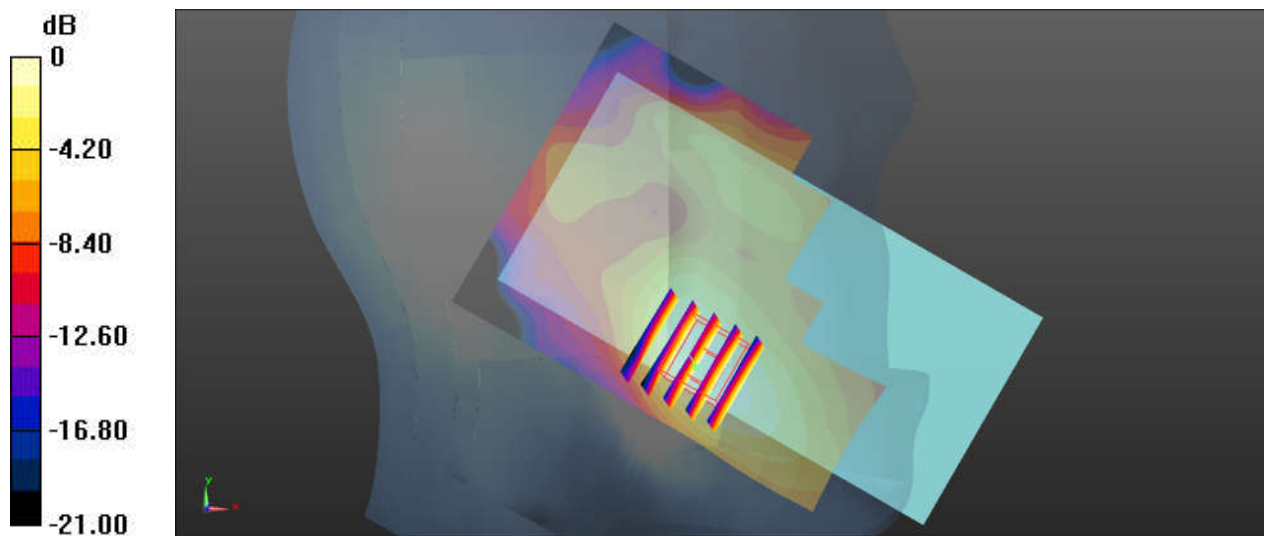
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.751 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.133 W/kg

**SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.049 W/kg**

Maximum value of SAR (measured) = 0.111 W/kg



0 dB = 0.122 W/kg = -9.14 dBW/kg

**03\_WCDMA V\_RMC 12.2Kbps\_Right Cheek\_0mm\_Ch4233**

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 846.6$  MHz;  $\sigma = 0.926$  S/m;  $\epsilon_r = 41.111$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(6.47, 6.47, 6.47); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch4233/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.311 W/kg

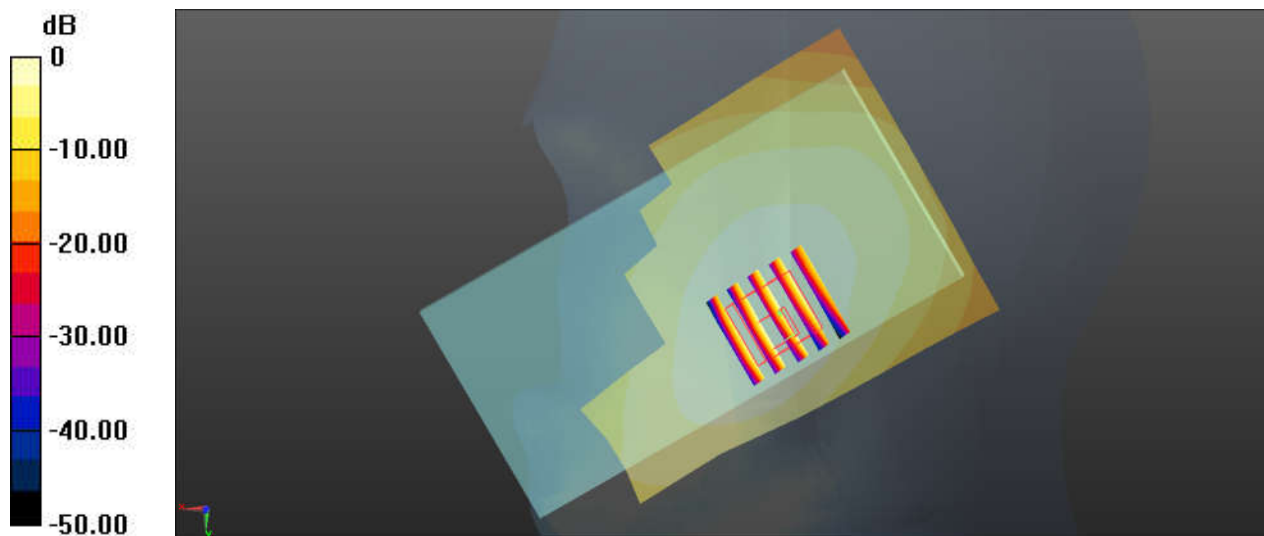
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.04 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.368 W/kg

**SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.213 W/kg**

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



0 dB = 0.311 W/kg = -5.07 dBW/kg

**04\_WCDMA IV\_RMC 12.2Kbps\_Left Cheek\_0mm\_Ch1413**

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750 Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.363$  S/m;  $\epsilon_r = 41.154$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(5.4, 5.4, 5.4); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch1413/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

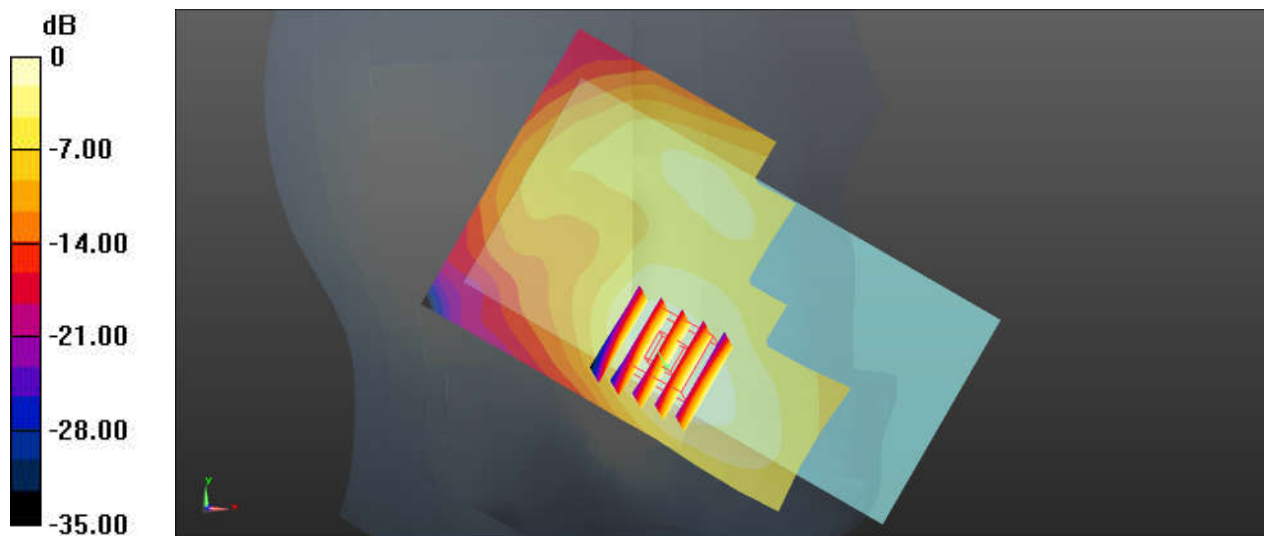
**Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.832 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.367 W/kg

**SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.147 W/kg**

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



**05\_WCDMA II\_RMC 12.2Kbps\_Left Cheek\_0mm\_Ch9262**

Communication System: UID 0, WCDMA (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.388$  S/m;  $\epsilon_r = 40.252$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(5.19, 5.19, 5.19); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch9262/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.195 W/kg

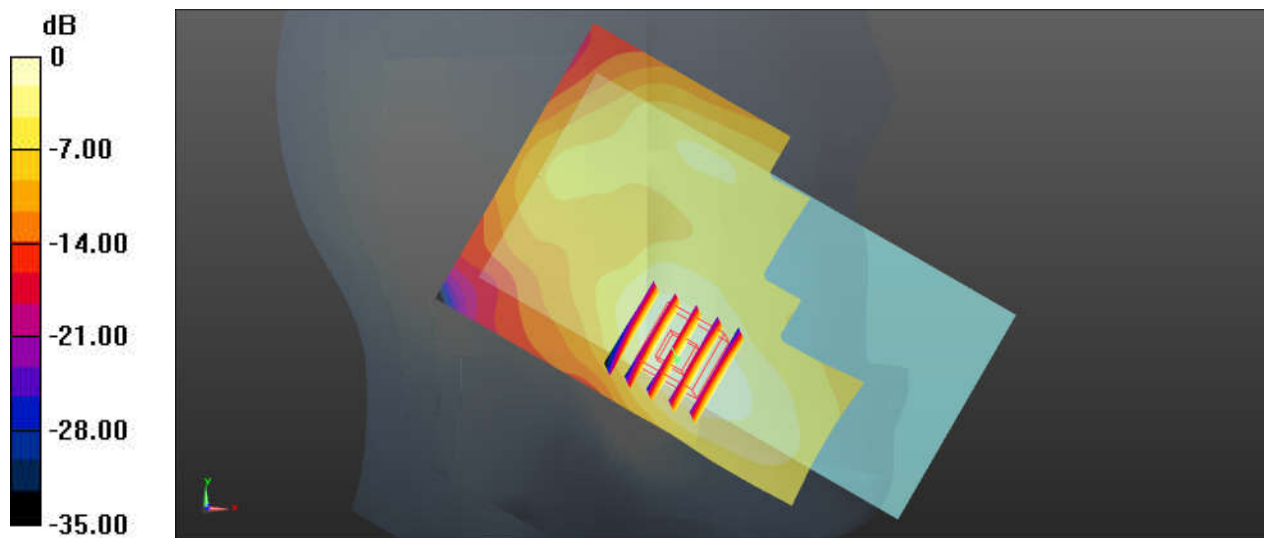
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.576 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.216 W/kg

**SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.082 W/kg**

Maximum value of SAR (measured) = 0.185 W/kg



**06\_CDMA2000 BC10\_RC3 SO55\_Right Cheek\_0mm\_Ch684**

Communication System: UID 0, CDMA (0); Frequency: 823.1 MHz; Duty Cycle: 1:1

Medium: HSL\_850 Medium parameters used:  $f = 823.1$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r = 41.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.47, 6.47, 6.47); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch684/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.401 W/kg

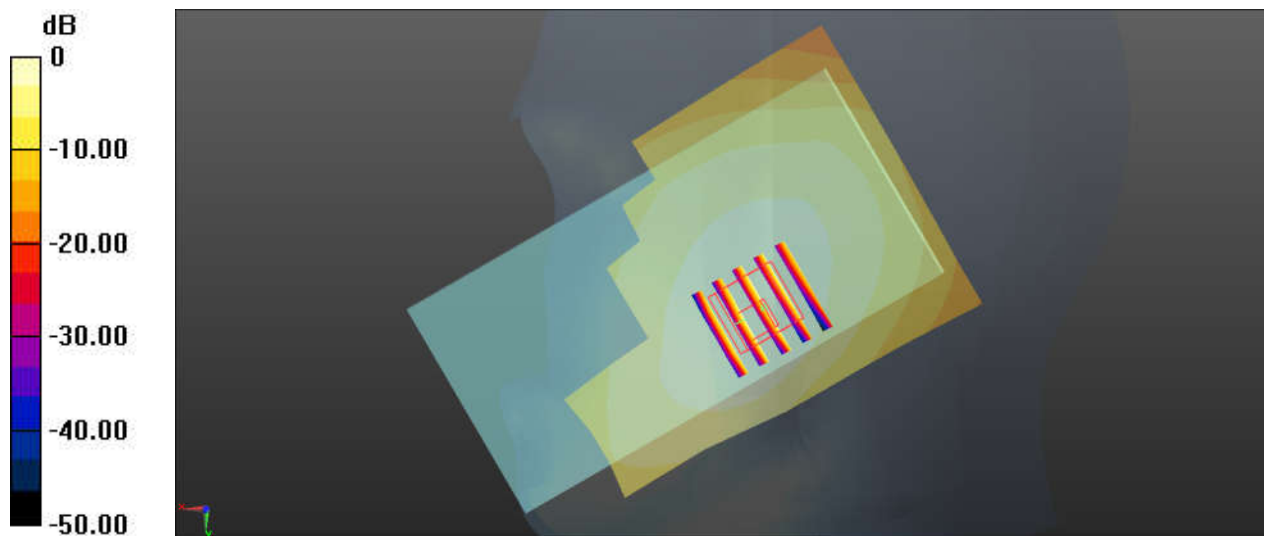
**Ch684/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.83 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.438 W/kg

**SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.229 W/kg**

Maximum value of SAR (measured) = 0.382 W/kg



**07\_CDMA2000 BC0\_RC3 SO55\_Right Cheek\_0mm\_Ch1013**

Communication System: UID 0, CDMA (0); Frequency: 824.7 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 824.7$  MHz;  $\sigma = 0.906$  S/m;  $\epsilon_r = 41.405$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(6.47, 6.47, 6.47); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch1013/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

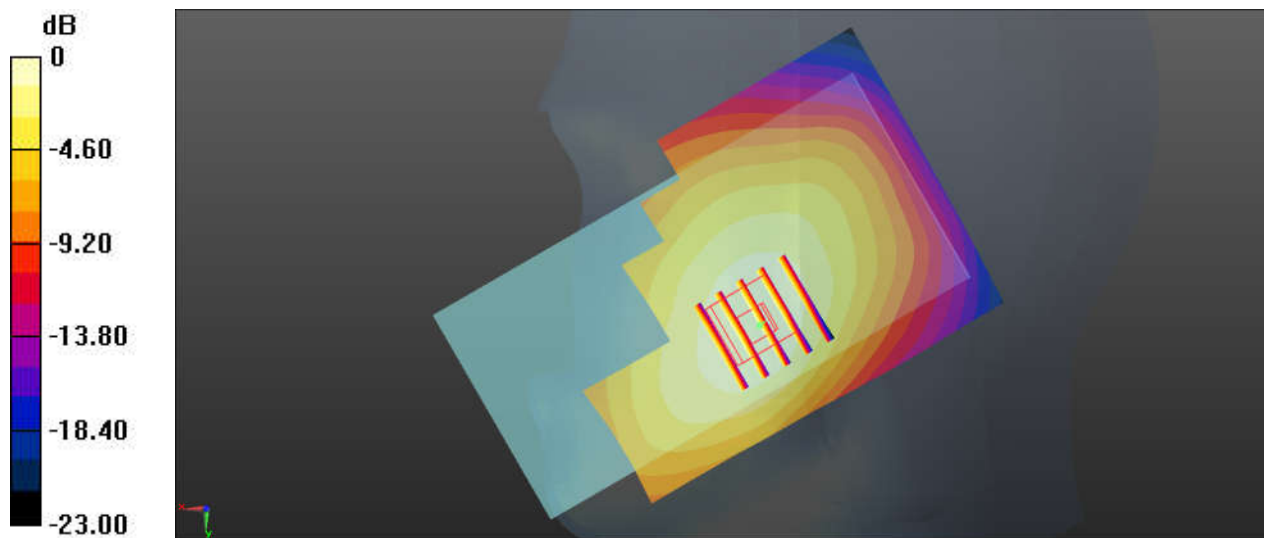
**Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.930 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.364 W/kg

**SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.219 W/kg**

Maximum value of SAR (measured) = 0.314 W/kg



**08\_CDMA2000 BC1\_RC3 SO55\_Left Cheek\_0mm\_Ch25**

Communication System: UID 0, CDMA (0); Frequency: 1851.25 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.386$  S/m;  $\epsilon_r = 40.258$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(5.19, 5.19, 5.19); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch25/Area Scan (71x101x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

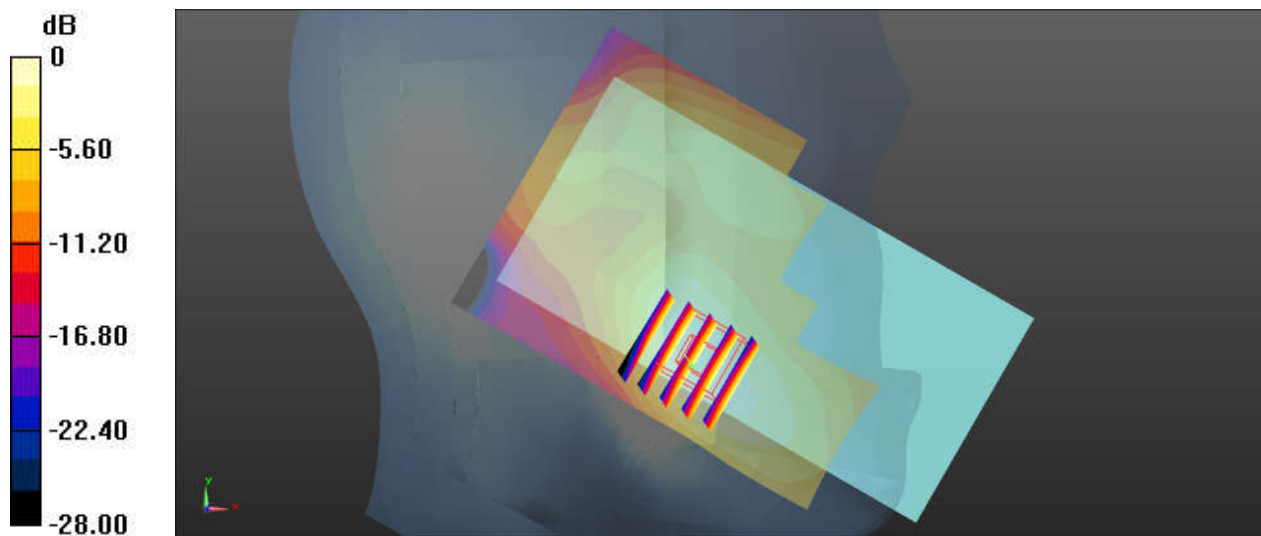
**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.667 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.095 W/kg**

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



0 dB = 0.233 W/kg = -6.33 dBW/kg

**09\_LTE Band 71\_20M\_QPSK\_1RB\_0Offset\_Right Cheek\_Ch133322**

Communication System: UID 0, LTE (0); Frequency: 683 MHz; Duty Cycle: 1:1

Medium: HSL\_750 Medium parameters used:  $f = 683$  MHz;  $\sigma = 0.888$  S/m;  $\epsilon_r = 42.29$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(6.78, 6.78, 6.78); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch133322/Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.116 W/kg

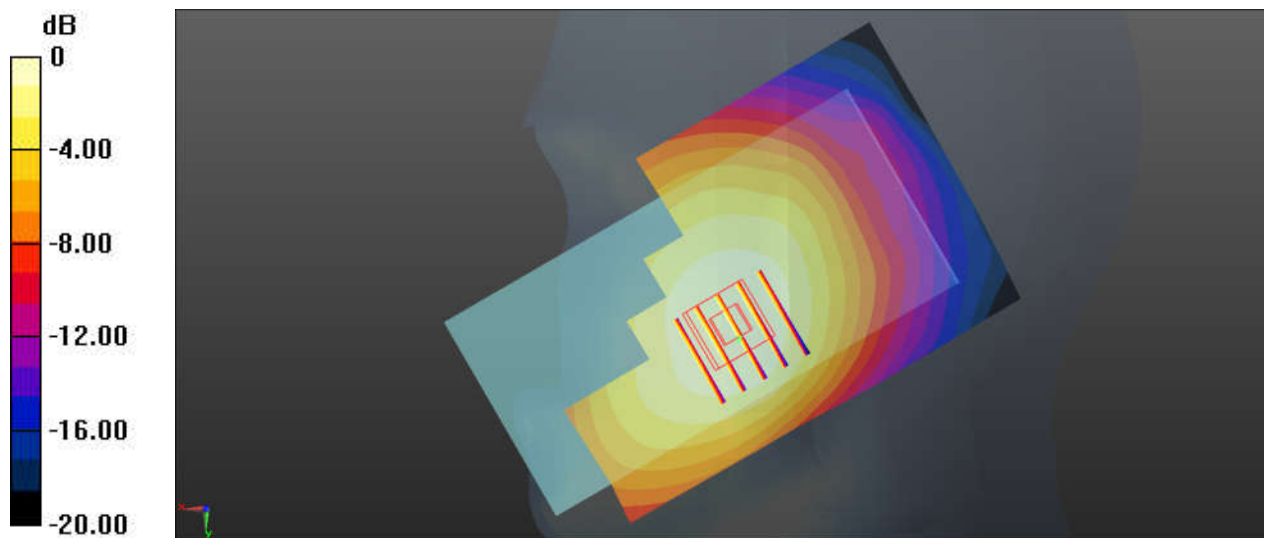
**Ch133322/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.180 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.120 W/kg

**SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.113 W/kg



0 dB = 0.116 W/kg = -9.36 dBW/kg

**10\_LTE Band 12\_10M\_QPSK\_1RB\_0offset\_Right Cheek\_0mm\_Ch23095**

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.864$  S/m;  $\epsilon_r = 42.662$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(6.78, 6.78, 6.78); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch23095/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.242 W/kg

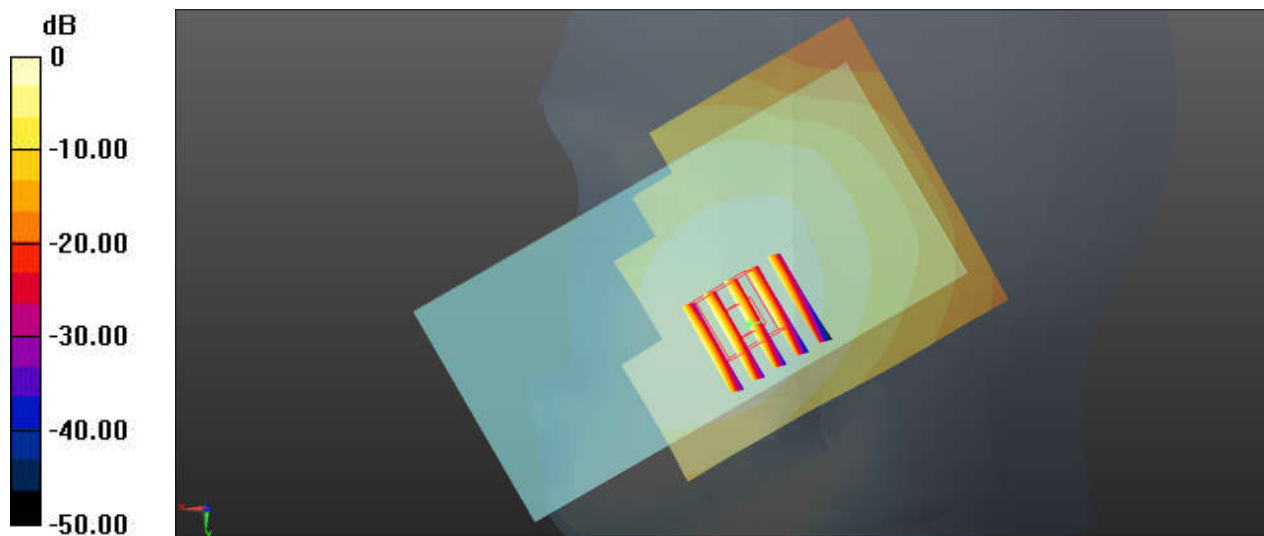
**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.062 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.264 W/kg

**SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.172 W/kg**

Maximum value of SAR (measured) = 0.234 W/kg



**11\_LTE Band 13\_10M\_QPSK\_1RB\_0offset\_Right Cheek\_0mm\_Ch23230**

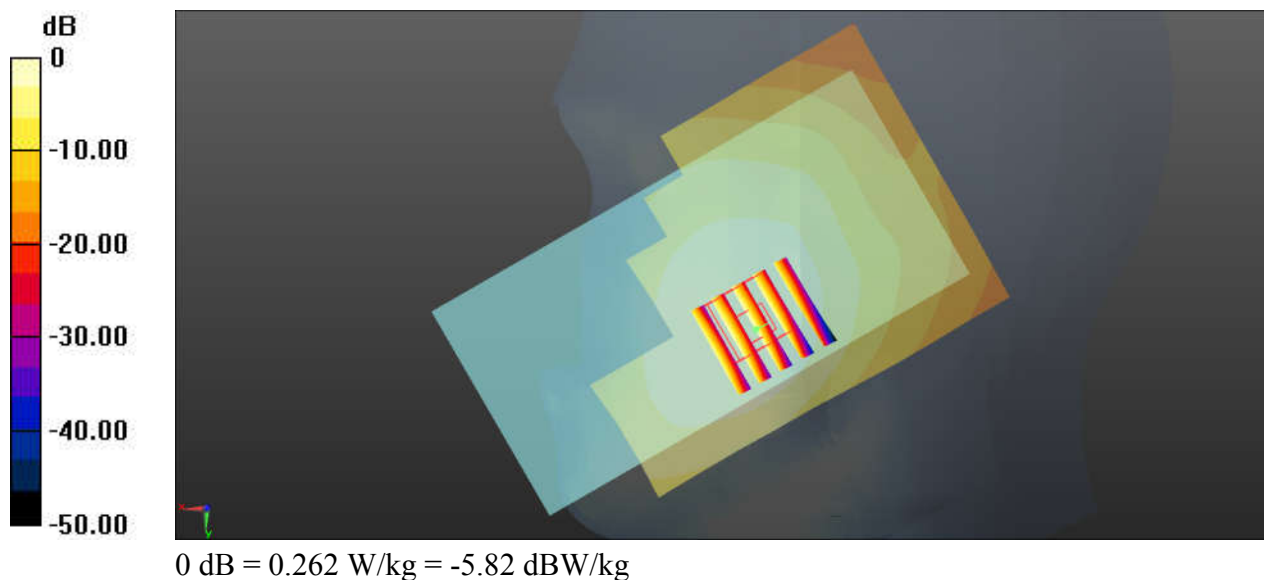
Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.934 \text{ S/m}$ ;  $\epsilon_r = 41.682$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.3 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(6.78, 6.78, 6.78); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch23230/Area Scan (71x91x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $0.262 \text{ W/kg}$

**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $1.871 \text{ V/m}$ ; Power Drift =  $0.05 \text{ dB}$   
Peak SAR (extrapolated) =  $0.293 \text{ W/kg}$   
**SAR(1 g) =  $0.232 \text{ W/kg}$ ; SAR(10 g) =  $0.181 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $0.253 \text{ W/kg}$



**12\_LTE Band 26\_15M\_QPSK\_1RB\_0offset\_Right Cheek\_0mm\_Ch26865**

Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.912$  S/m;  $\epsilon_r = 41.318$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(6.47, 6.47, 6.47); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch26865/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

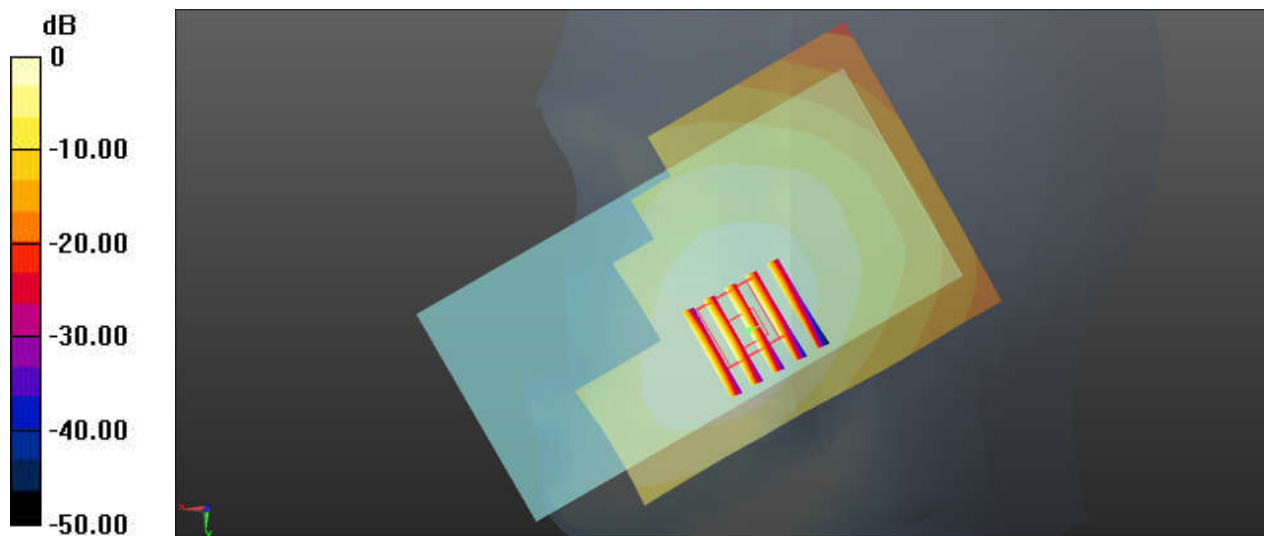
**Ch26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.902 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.344 W/kg

**SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.203 W/kg**

Maximum value of SAR (measured) = 0.295 W/kg



0 dB = 0.304 W/kg = -5.17 dBW/kg

**13\_LTE Band 66\_20M\_QPSK\_1RB\_0offset\_Left Cheek\_0mm\_Ch132322**

Communication System: UID 0, LTE-FDD (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL\_1750 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.377$  S/m;  $\epsilon_r = 41.098$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(5.4, 5.4, 5.4); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch132322/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.303 W/kg

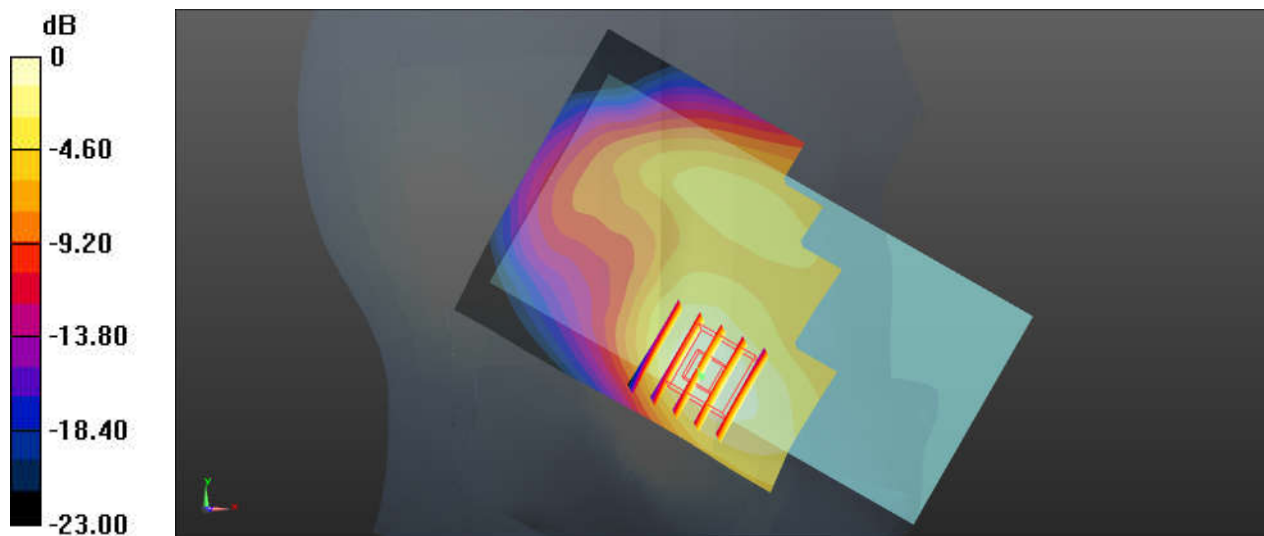
**Ch132322/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.9840 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.370 W/kg

**SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.161 W/kg**

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



0 dB = 0.303 W/kg = -5.19 dBW/kg

**14\_LTE Band 25\_20M\_QPSK\_1RB\_0offset\_Left Cheek\_0mm\_Ch26140**

Communication System: UID 0, LTE-FDD (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL\_1900 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.395$  S/m;  $\epsilon_r = 40.223$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(5.19, 5.19, 5.19); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch26140/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.169 W/kg

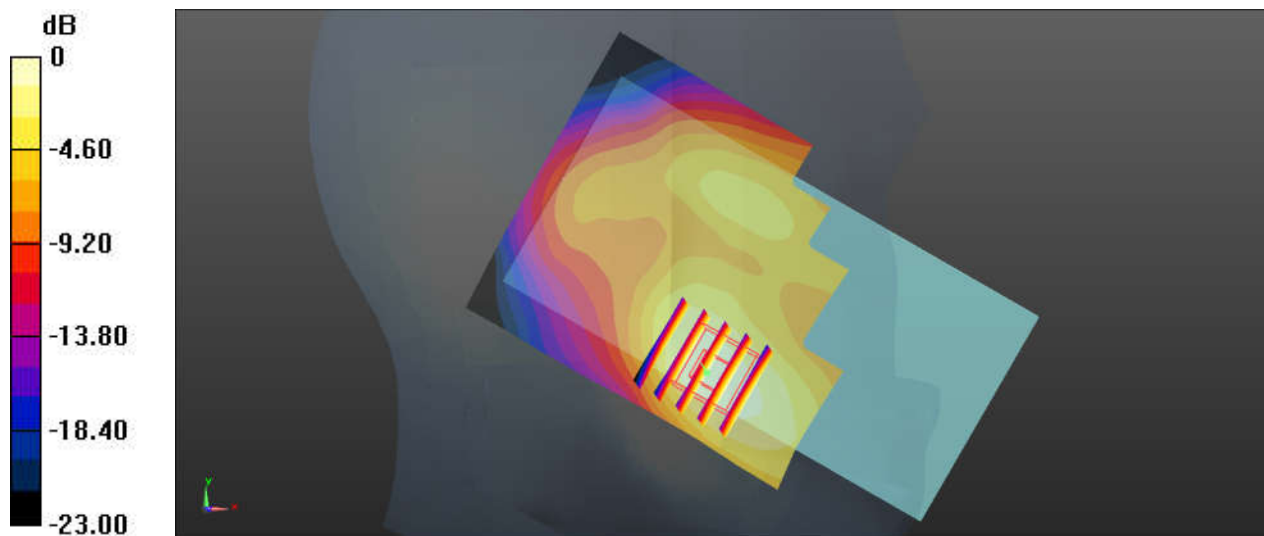
**Ch26140/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.9500 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.208 W/kg

**SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.161 W/kg



0 dB = 0.169 W/kg = -7.72 dBW/kg

**15\_LTE Band 30\_10M\_QPSK\_1RB\_0offset\_Left Cheek\_0mm\_Ch27710**

Communication System: UID 0, LTE-FDD (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: HSL\_2300 Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.688$  S/m;  $\epsilon_r = 38.769$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.31, 7.31, 7.31); Calibrated: 2018.9.27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch27710/Area Scan (91x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.307 W/kg

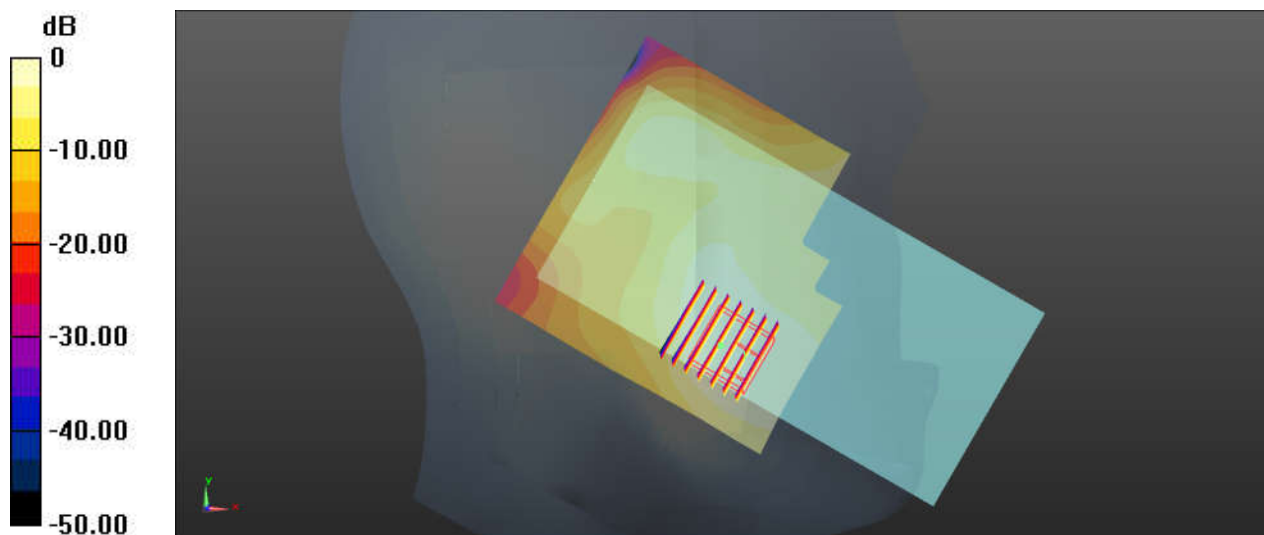
**Ch27710/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0.6340 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.404 W/kg

**SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.146 W/kg**

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



0 dB = 0.307 W/kg = -5.13 dBW/kg

**16\_LTE Band 7\_20M\_QPSK\_1RB\_0offset\_Left Cheek\_0mm\_Ch21350**

Communication System: UID 0, LTE-FDD (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL\_2600 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.968$  S/m;  $\epsilon_r = 37.819$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.86, 6.86, 6.86); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch21350/Area Scan (91x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

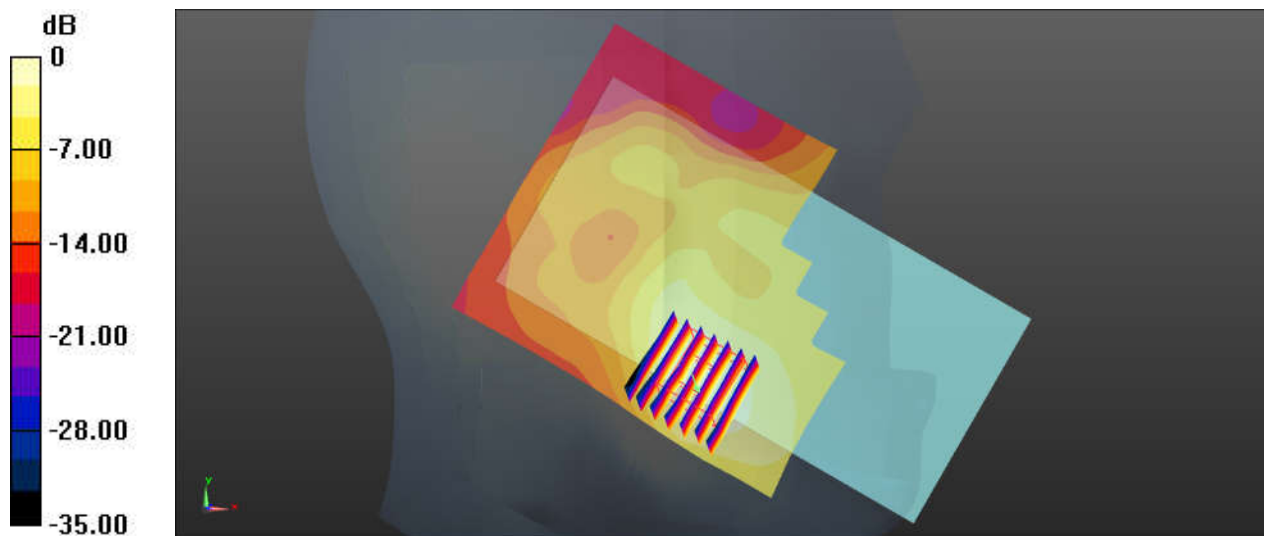
**Ch21350/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.415 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.333 W/kg

**SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.100 W/kg**

Maximum value of SAR (measured) = 0.277 W/kg



**17\_LTE Band 41\_Power Class2\_20M\_QPSK\_1RB\_0offset\_Left Cheek\_0mm\_Ch41490**

Communication System: UID 0, LTE-TDD (0); Frequency: 2680 MHz; Duty Cycle: 1:2.33

Medium: HSL\_2600 Medium parameters used:  $f = 2680$  MHz;  $\sigma = 2.103$  S/m;  $\epsilon_r = 37.35$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(6.86, 6.86, 6.86); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch41490/Area Scan (91x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.397 W/kg

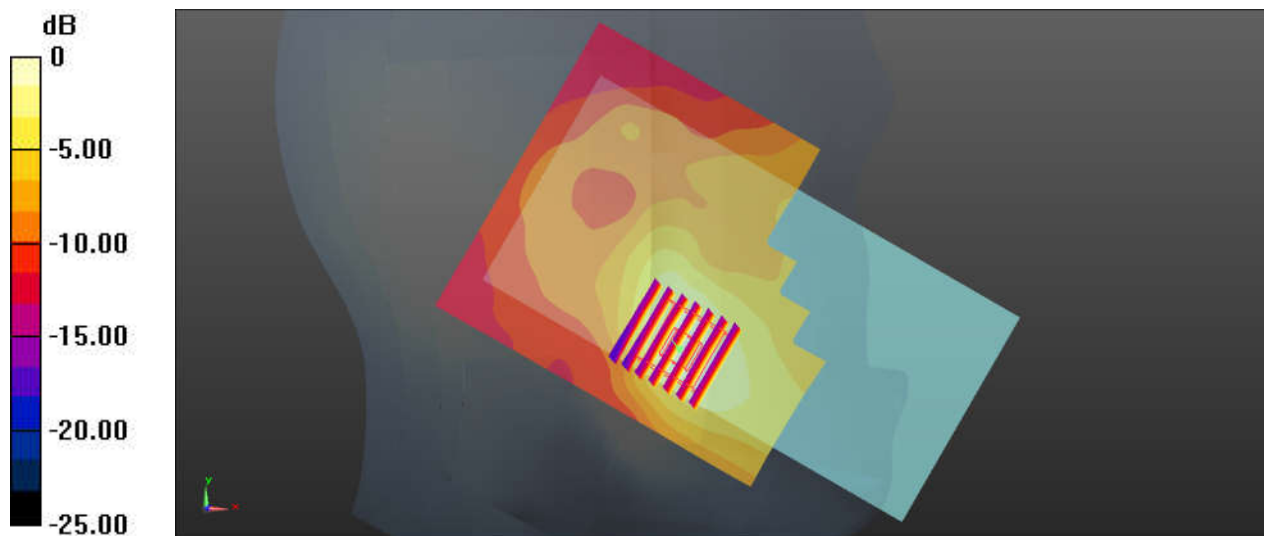
**Ch41490/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.801 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.434 W/kg

**SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.114 W/kg**

Maximum value of SAR (measured) = 0.349 W/kg



0 dB = 0.397 W/kg = -4.01 dBW/kg

**18\_WLAN 2.4GHz\_802.11b 1Mbps\_Left Cheek\_0mm\_Ch11**

Communication System: UID 0, 802.11b (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: HSL\_2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.86$  S/m;  $\epsilon_r = 38.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.53, 4.53, 4.53); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch11/Area Scan (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

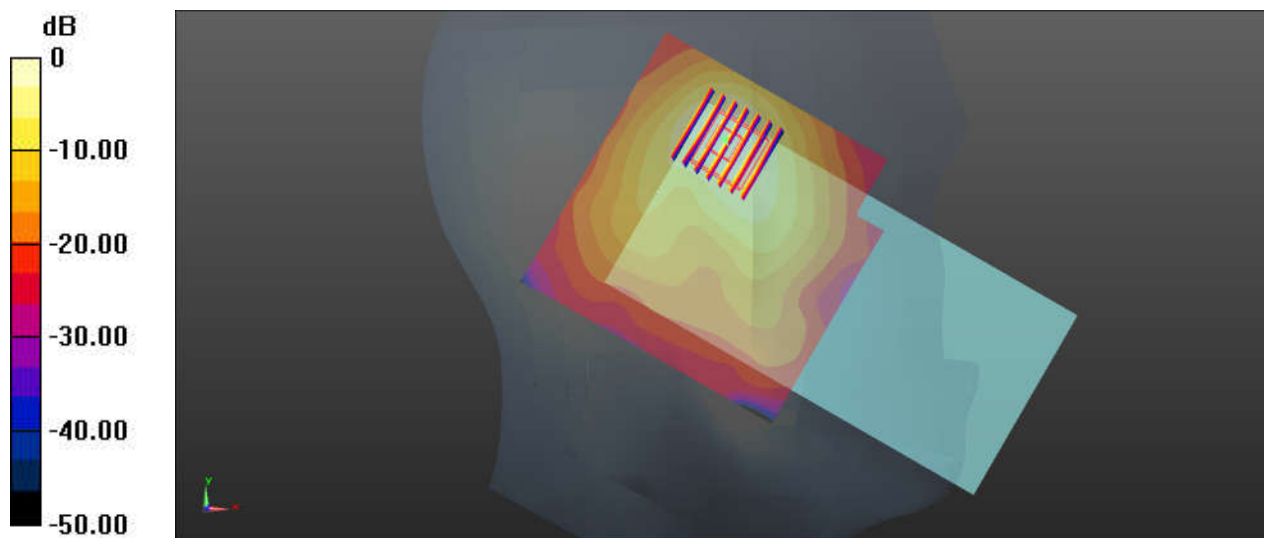
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.538 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 0.793 W/kg; SAR(10 g) = 0.333 W/kg**

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



0 dB = 1.37 W/kg = 1.37 dBW/kg

**19\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_0mm\_Ch64**

Communication System: UID 0, WIFI (0); Frequency: 5320 MHz; Duty Cycle: 1:1.018

Medium: HSL\_5000 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.725$  S/m;  $\epsilon_r = 36.232$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.2, 5.2, 5.2); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.11 (7439)

**Ch64/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.25 W/kg

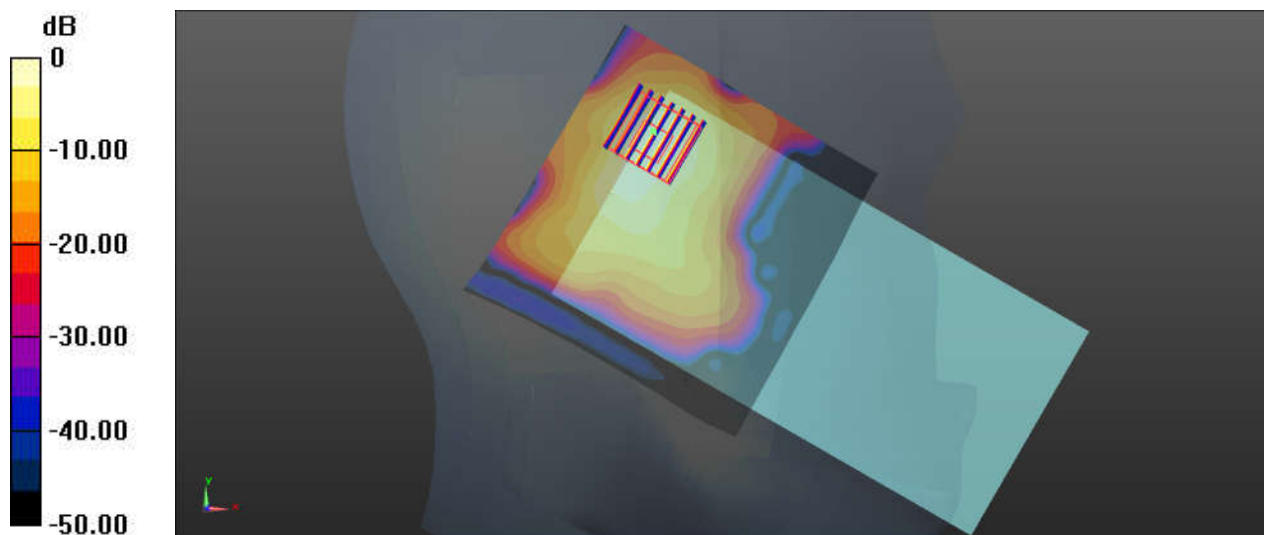
**Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.7300 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.69 W/kg

**SAR(1 g) = 0.861 W/kg; SAR(10 g) = 0.289 W/kg**

Maximum value of SAR (measured) = 2.07 W/kg



0 dB = 2.25 W/kg = 3.52 dBW/kg

**20\_WLAN5GHz\_802.11n-HT40 MCS0\_Left Cheek\_0mm\_Ch102**

Communication System: UID 0, 802.11n (0); Frequency: 5510 MHz; Duty Cycle: 1:1.038

Medium: HSL\_5000 Medium parameters used:  $f = 5510$  MHz;  $\sigma = 4.914$  S/m;  $\epsilon_r = 35.983$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.94, 4.94, 4.94); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch102/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.45 W/kg

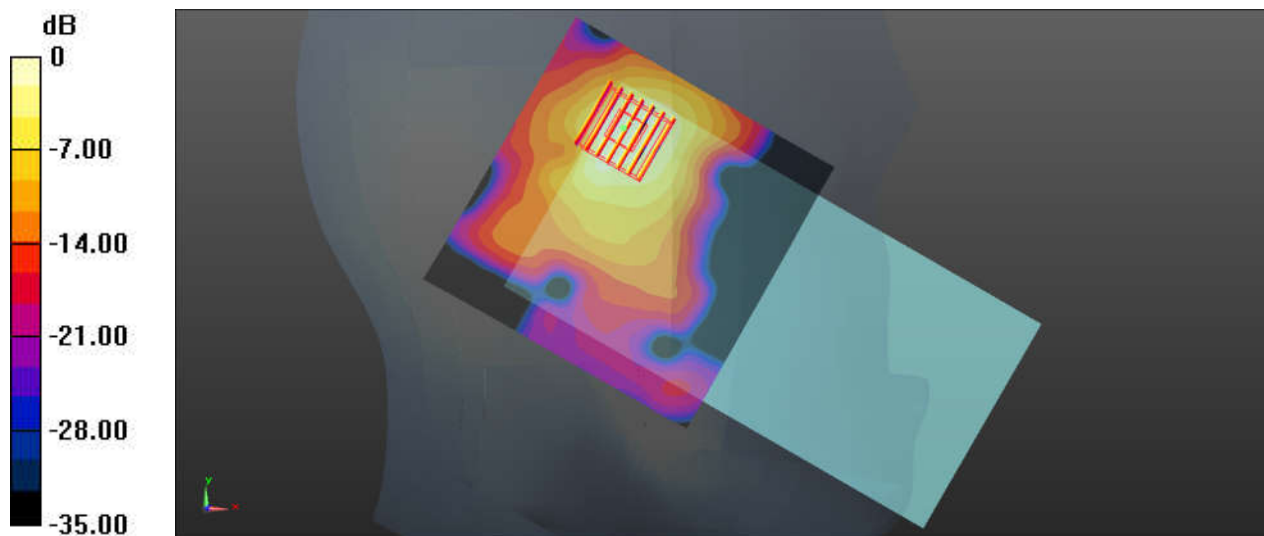
**Ch102/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.76 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.85 W/kg

**SAR(1 g) = 0.917 W/kg; SAR(10 g) = 0.354 W/kg**

Maximum value of SAR (measured) = 2.18 W/kg



0 dB = 2.45 W/kg = 3.89 dBW/kg

**21\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_0mm\_Ch149**

Communication System: UID 0, 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1.018  
Medium: HSL\_5000 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.166$  S/m;  $\epsilon_r = 35.654$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(5.23, 5.23, 5.23); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch149/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.53 W/kg

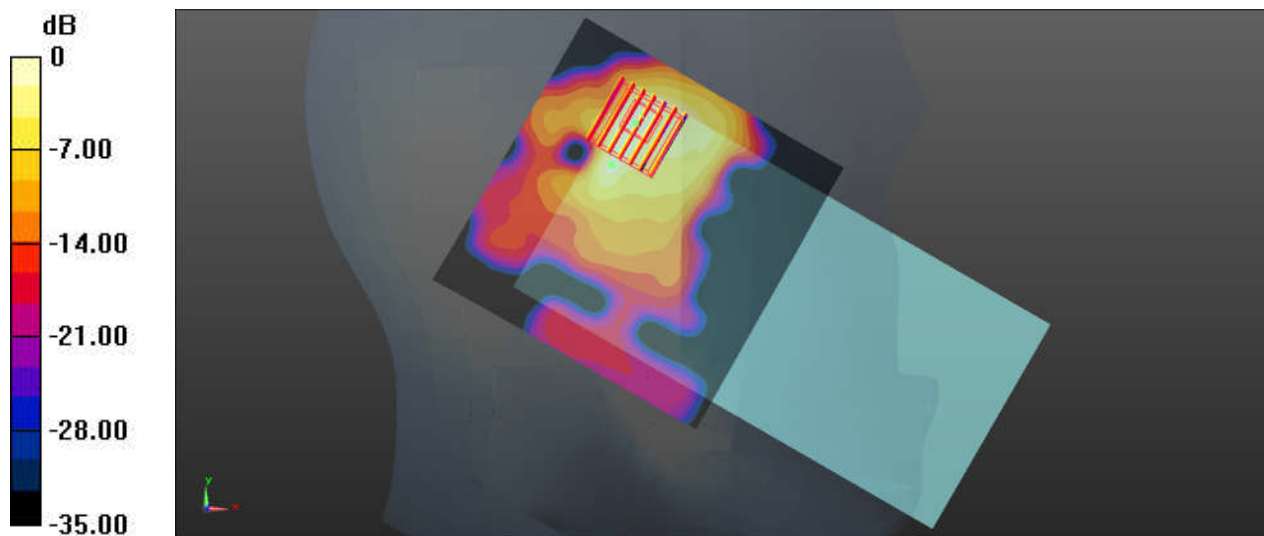
**Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.621 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.54 W/kg

**SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.175 W/kg**

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



0 dB = 1.53 W/kg = 1.85 dBW/kg

**22\_Bluetooth\_1Mbps\_Left Cheek\_0mm\_Ch78**

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30

Medium: HSL\_2450 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.879$  S/m;  $\epsilon_r = 38.087$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.53, 4.53, 4.53); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch78/Area Scan (91x101x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

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

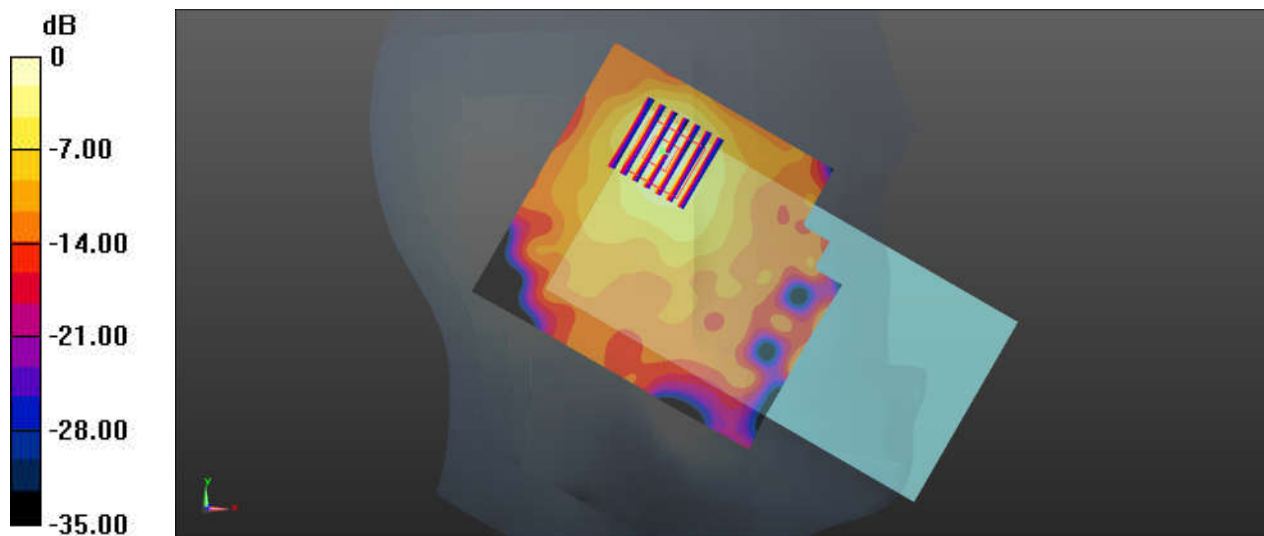
**Ch78/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 2.982 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.132 W/kg

**SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.105 W/kg



0 dB = 0.109 W/kg = -9.63 dBW/kg

**23\_GSM850\_GPRS 2 Tx slots\_Back\_5mm\_Ch128**

Communication System: UID 0, GSM850 (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.15  
Medium: MSL\_850 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.976$  S/m;  $\epsilon_r = 54.895$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch128/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

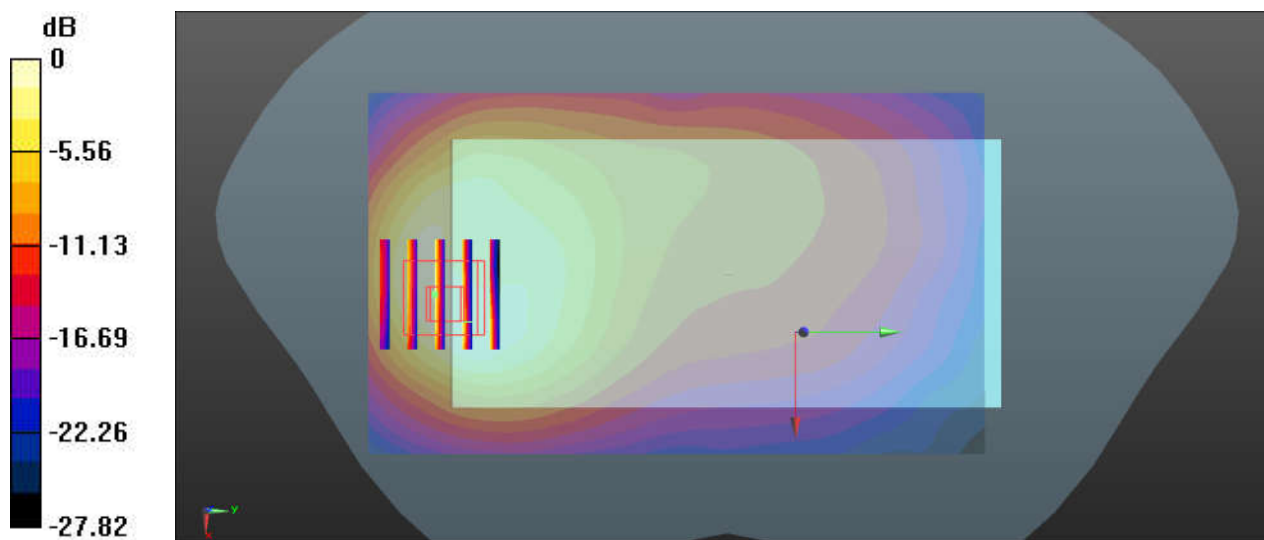
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.23 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.80 W/kg

**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.644 W/kg**

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



0 dB = 1.51 W/kg = 1.79 dBW/kg

**24\_GSM1900\_GPRS 2 Tx slots\_Back\_5mm\_Ch661**

Communication System: UID 0, PCS (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: MSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 53.096$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.82, 7.82, 7.82); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch661/Area Scan (71x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.28 W/kg

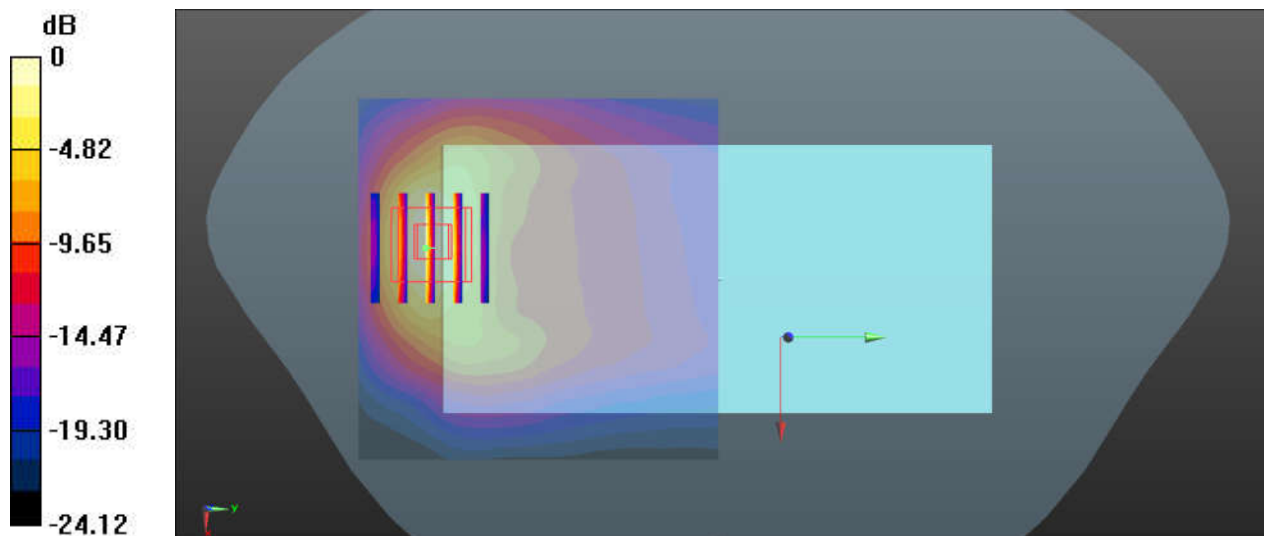
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.872 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.27 W/kg

**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.518 W/kg**

Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg

**25\_WCDMA V\_RMC 12.2Kbps\_Back\_5mm\_Ch4233**

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850 Medium parameters used:  $f = 846.6$  MHz;  $\sigma = 1$  S/m;  $\epsilon_r = 54.762$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch4233/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.47 W/kg

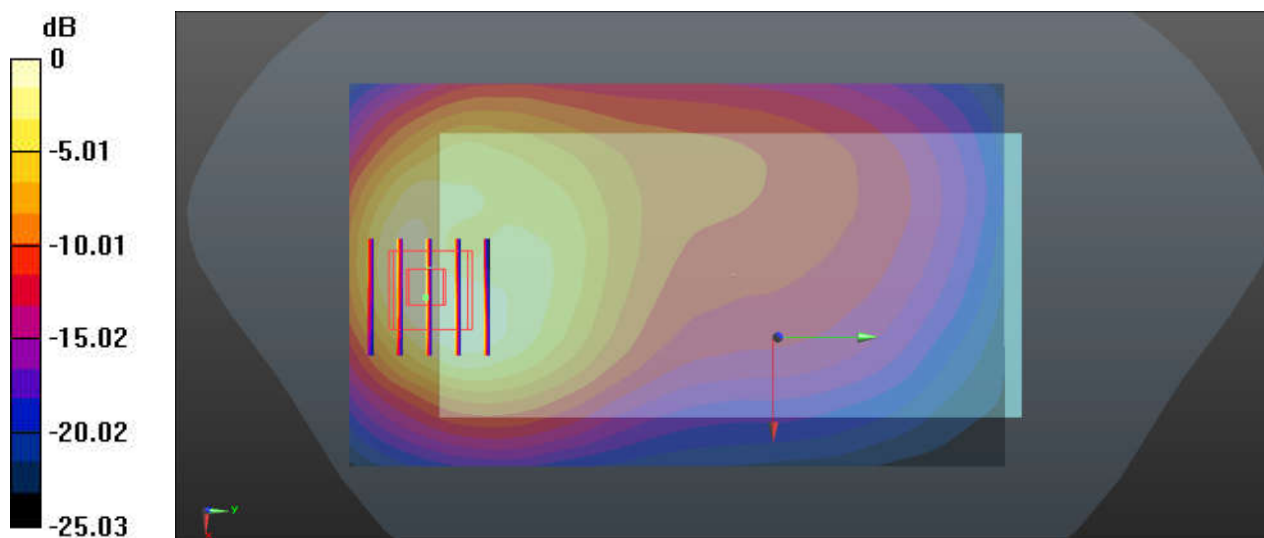
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.77 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.80 W/kg

**SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.712 W/kg**

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



0 dB = 1.47 W/kg = 1.67 dBW/kg

**26\_WCDMA IV\_RMC 12.2Kbps\_Back\_5mm\_Ch1413**

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750 Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.504$  S/m;  $\epsilon_r = 54.131$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(8.15, 8.15, 8.15); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch1413/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

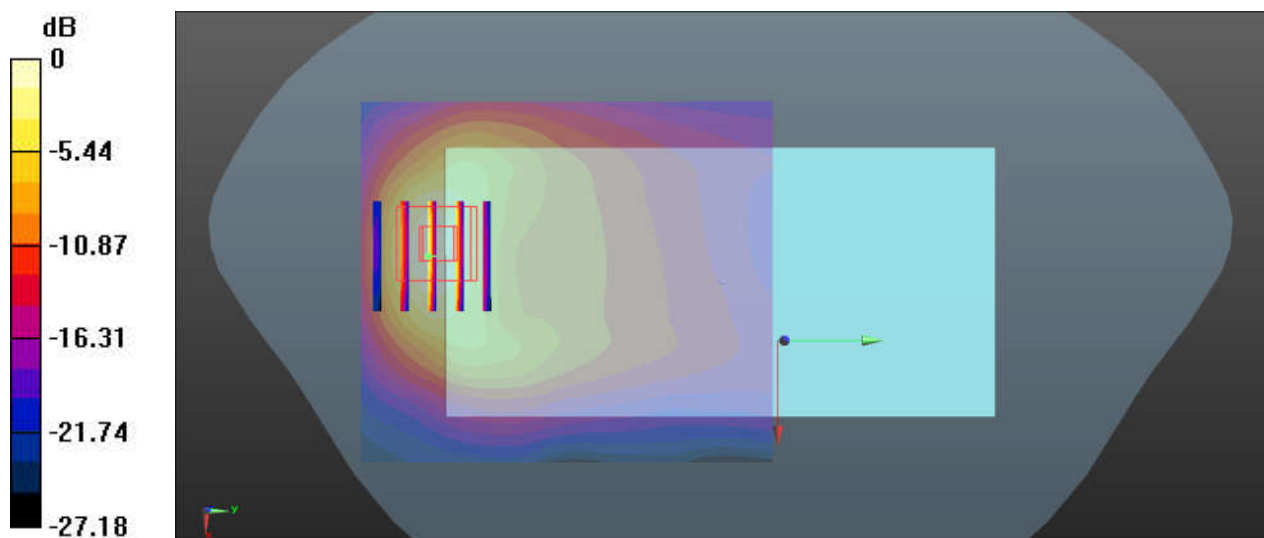
**Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.231 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.71 W/kg

**SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.658 W/kg**

Maximum value of SAR (measured) = 1.70 W/kg



0 dB = 1.60 W/kg = 2.04 dBW/kg

**27\_WCDMA II\_RMC 12.2Kbps\_Back\_5mm\_Ch9400**

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 53.096$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.82, 7.82, 7.82); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch9400/Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

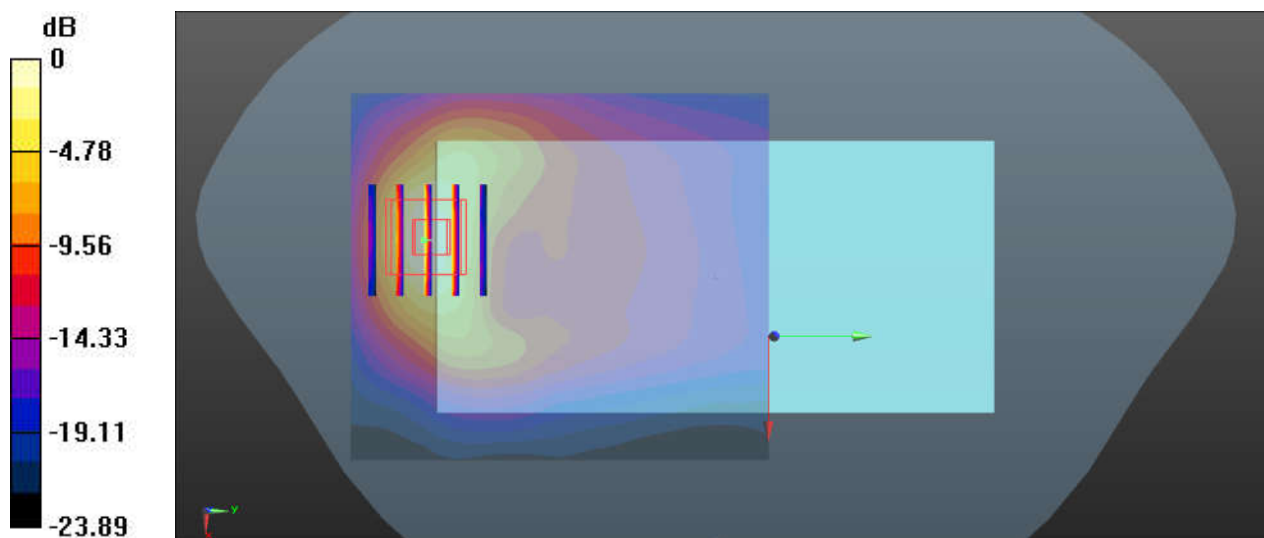
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.655 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.29 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.537 W/kg**

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



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

**28\_CDMA2000 BC10\_RTAP 153.6Kbps\_Back\_5mm\_Ch684**

Communication System: UID 0, CDMA (0); Frequency: 823.1 MHz; Duty Cycle: 1:1

Medium: MSL\_850 Medium parameters used:  $f = 823.1$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 54.902$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch684/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.79 W/kg

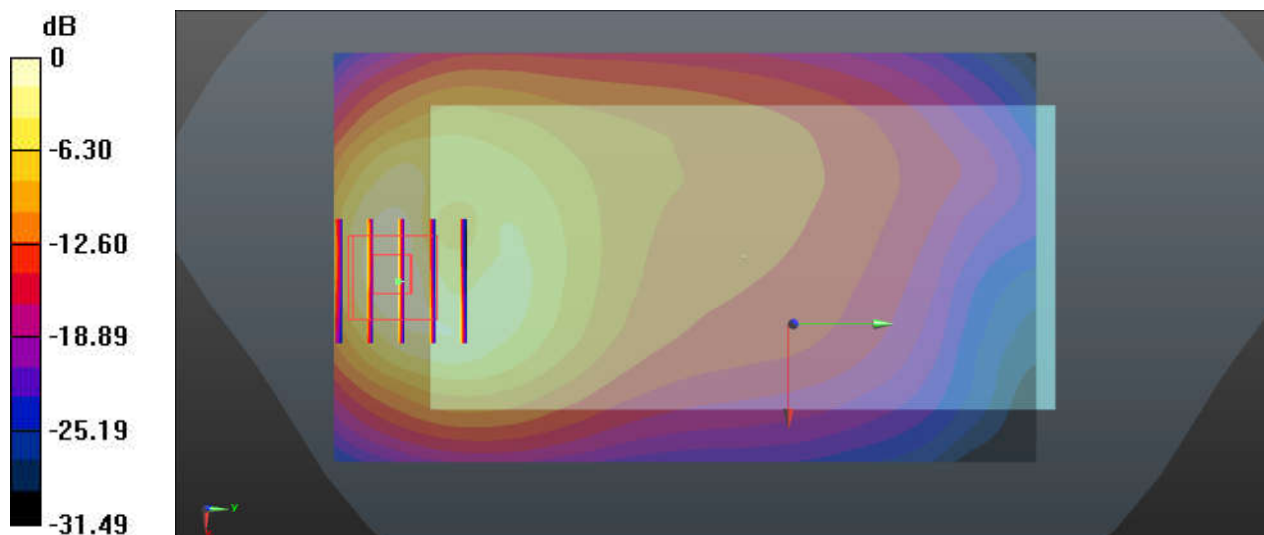
**Ch684/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.06 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.25 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.529 W/kg**

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



0 dB = 1.79 W/kg = 2.53 dBW/kg

**29\_CDMA2000 BC0\_RTAP 153.6Kbps\_Back\_5mm\_Ch384**

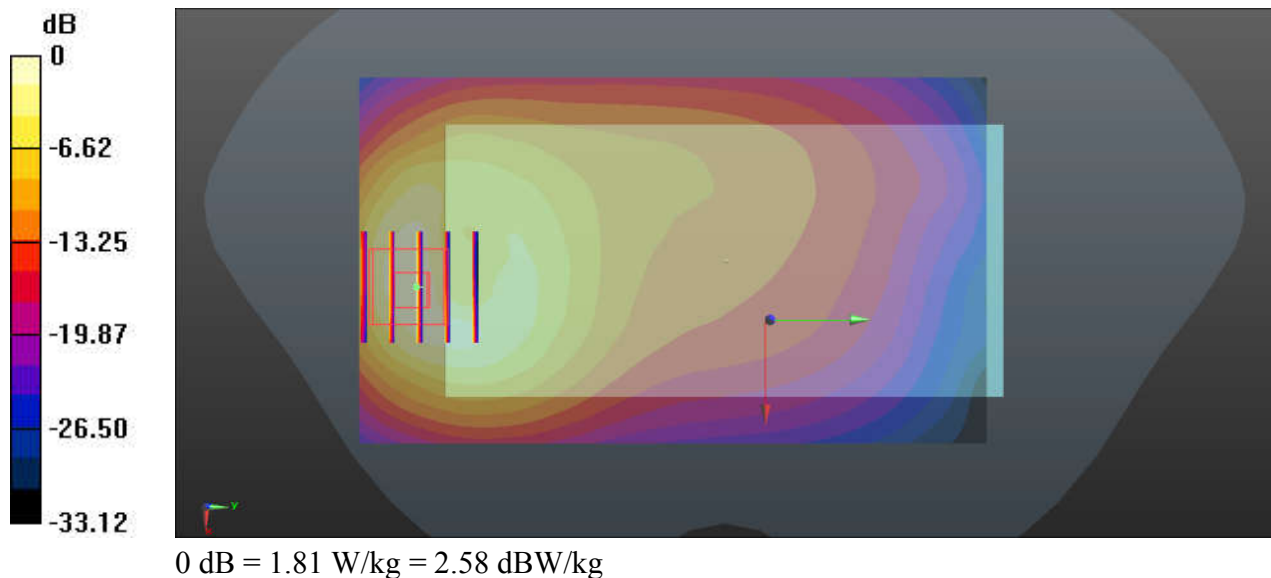
Communication System: UID 0, CDMA (0); Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium: MSL\_850 Medium parameters used:  $f = 836.52$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.824$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.2^\circ\text{C}$ ; Liquid Temperature :  $22.8^\circ\text{C}$

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch384/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) =  $1.81$  W/kg

**Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $10.83$  V/m; Power Drift =  $0.03$  dB  
Peak SAR (extrapolated) =  $2.31$  W/kg  
**SAR(1 g) =  $1.07$  W/kg; SAR(10 g) =  $0.541$  W/kg**  
Maximum value of SAR (measured) =  $1.87$  W/kg



**30\_CDMA2000 BC1\_RTAP 153.6Kbps\_Bottom Side\_5mm\_Ch1175**

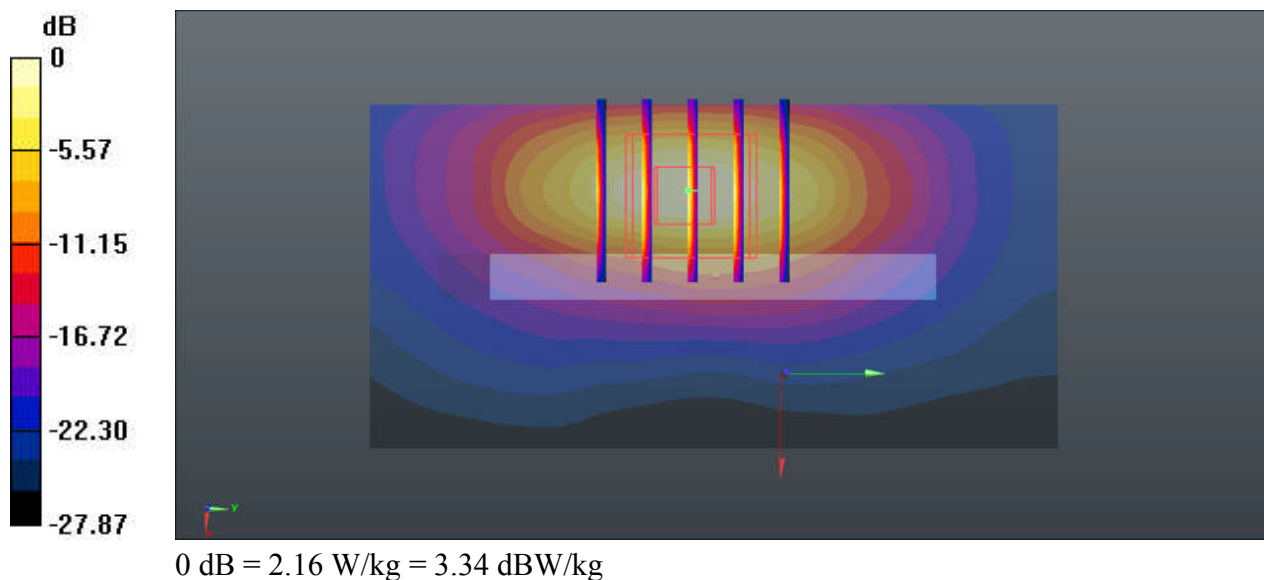
Communication System: UID 0, CDMA (0); Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1908.75$  MHz;  $\sigma = 1.544$  S/m;  $\epsilon_r = 53.006$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.3^\circ\text{C}$ ; Liquid Temperature :  $22.6^\circ\text{C}$

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.82, 7.82, 7.82); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch1175/Area Scan (41x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) =  $2.16 \text{ W/kg}$

**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $10.38 \text{ V/m}$ ; Power Drift =  $0.06 \text{ dB}$   
Peak SAR (extrapolated) =  $2.65 \text{ W/kg}$   
**SAR(1 g) =  $1.32 \text{ W/kg}$ ; SAR(10 g) =  $0.593 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $2.17 \text{ W/kg}$



**31\_LTE Band 71\_20M\_QPSK\_1RB\_0Offset\_Back\_5mm\_Ch133322**

Communication System: UID 0, LTE (0); Frequency: 683 MHz; Duty Cycle: 1:1

Medium: MSL\_750 Medium parameters used:  $f = 683$  MHz;  $\sigma = 0.905$  S/m;  $\epsilon_r = 57.381$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.7, 9.7, 9.7) @ 683 MHz; Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch133322/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.20 W/kg

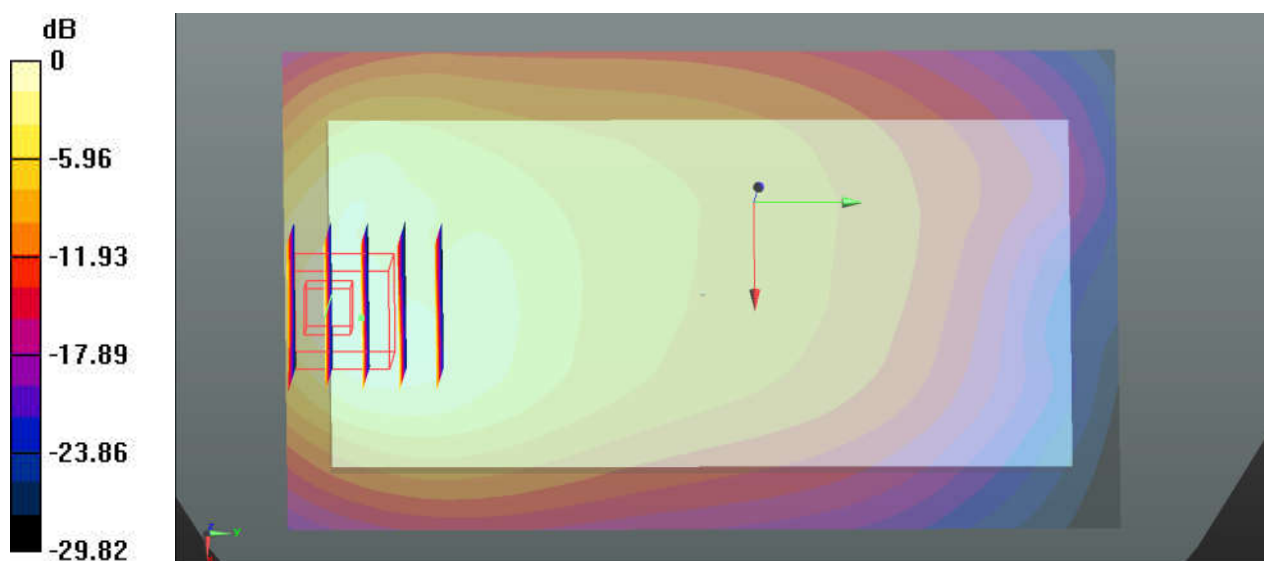
**Ch133322/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.559 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.415 W/kg**

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



0 dB = 1.20 W/kg = 0.79 dBW/kg

**32\_LTE Band 12\_10M\_QPSK\_1RB\_0offset\_Back\_5mm\_Ch23095**

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_750 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.928$  S/m;  $\epsilon_r = 57.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.7, 9.7, 9.7); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch23095/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.45 W/kg

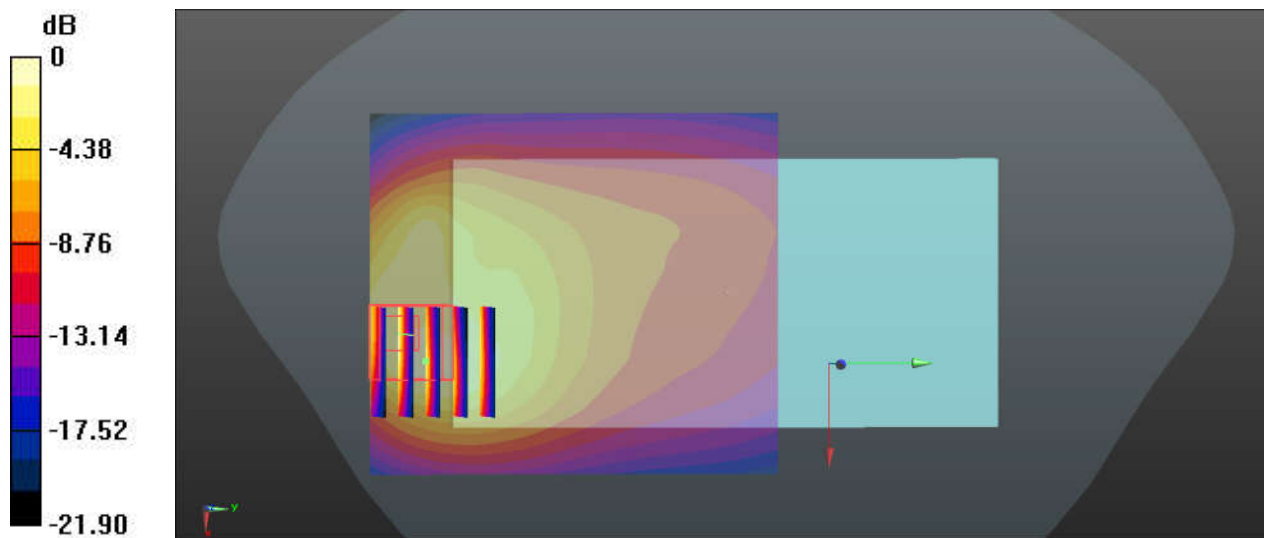
**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.40 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.472 W/kg**

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



**33\_LTE Band 13\_10M\_QPSK\_1RB\_0offset\_Back\_5mm\_Ch23230**

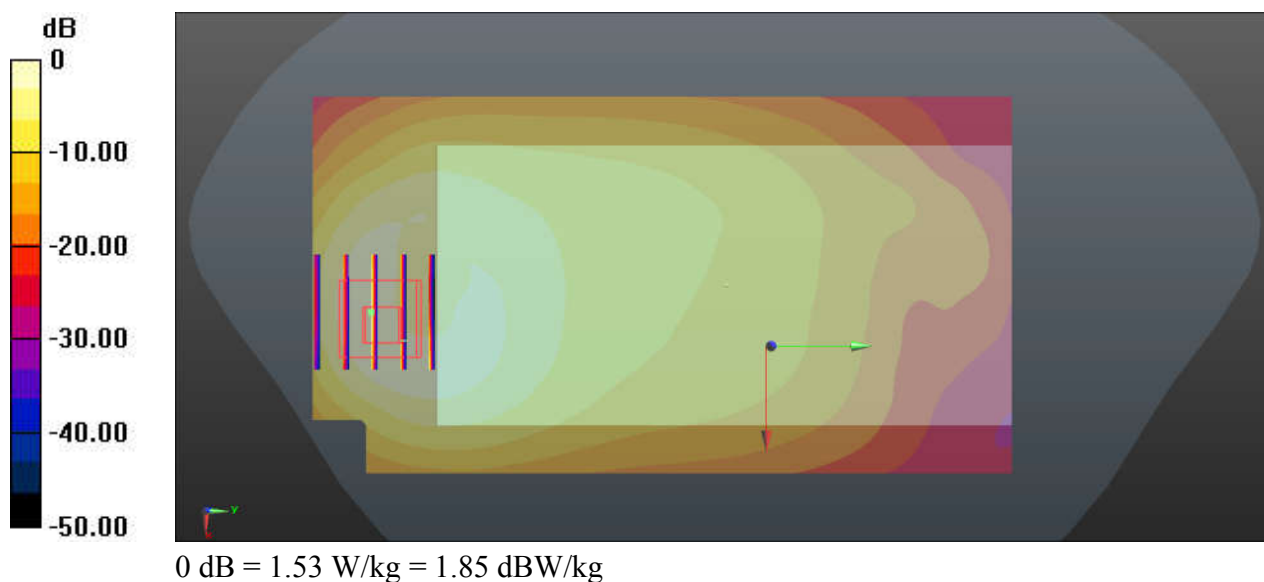
Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: MSL\_750 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.998$  S/m;  $\epsilon_r = 56.389$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.7, 9.7, 9.7); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch23230/Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.53 W/kg

**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 12.10 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 2.21 W/kg  
**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.548 W/kg**  
Maximum value of SAR (measured) = 1.62 W/kg



**34\_LTE Band 26\_15M\_QPSK\_75RB\_0offset\_Back\_5mm\_Ch26865**

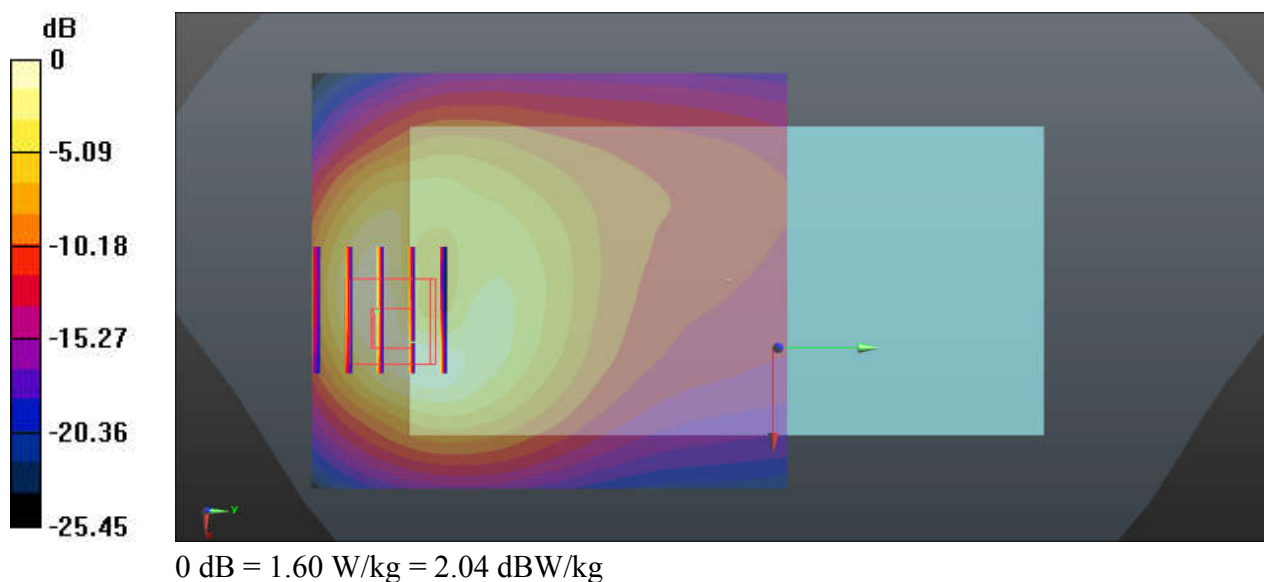
Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_850 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.984$  S/m;  $\epsilon_r = 54.855$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch26865/Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 1.60 W/kg

**Ch26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 6.391 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 2.59 W/kg  
**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.608 W/kg**  
Maximum value of SAR (measured) = 1.97 W/kg



**35\_LTE Band 66\_20M\_QPSK\_50RB\_24offset\_Back\_5mm\_Ch132572**

Communication System: UID 0, LTE-FDD (0); Frequency: 1770 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.54$  S/m;  $\epsilon_r = 54.012$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(8.15, 8.15, 8.15); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch132572/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

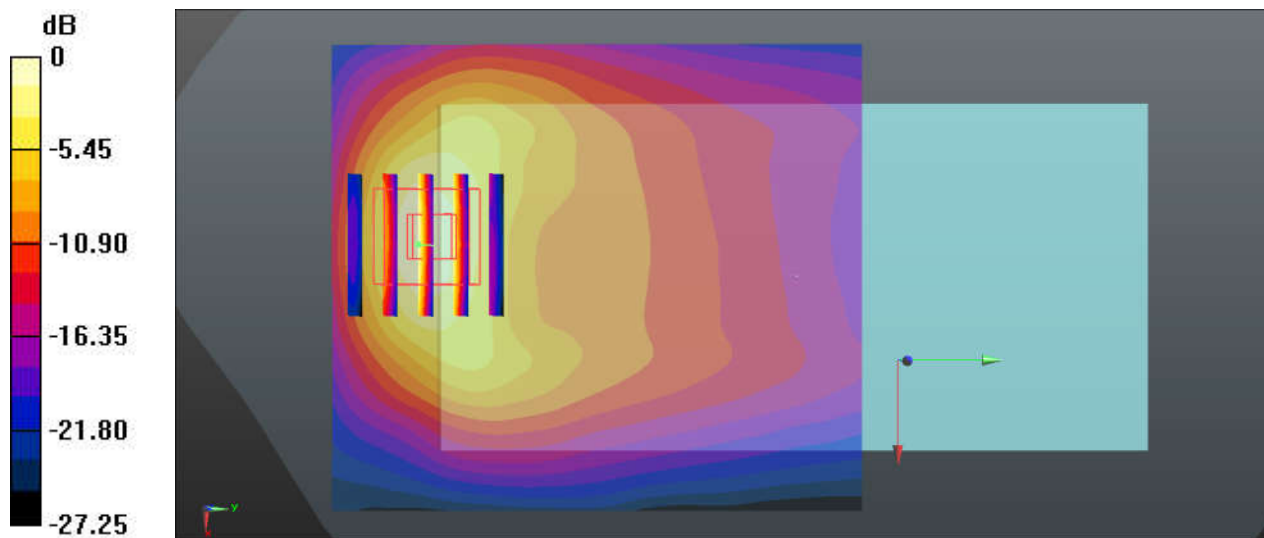
**Ch132572/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.530 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.33 W/kg

**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.599 W/kg**

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



0 dB = 1.37 W/kg = 1.37 dBW/kg

**36\_LTE Band 25\_20M\_QPSK\_50RB\_0offset\_Back\_5mm\_Ch26340**

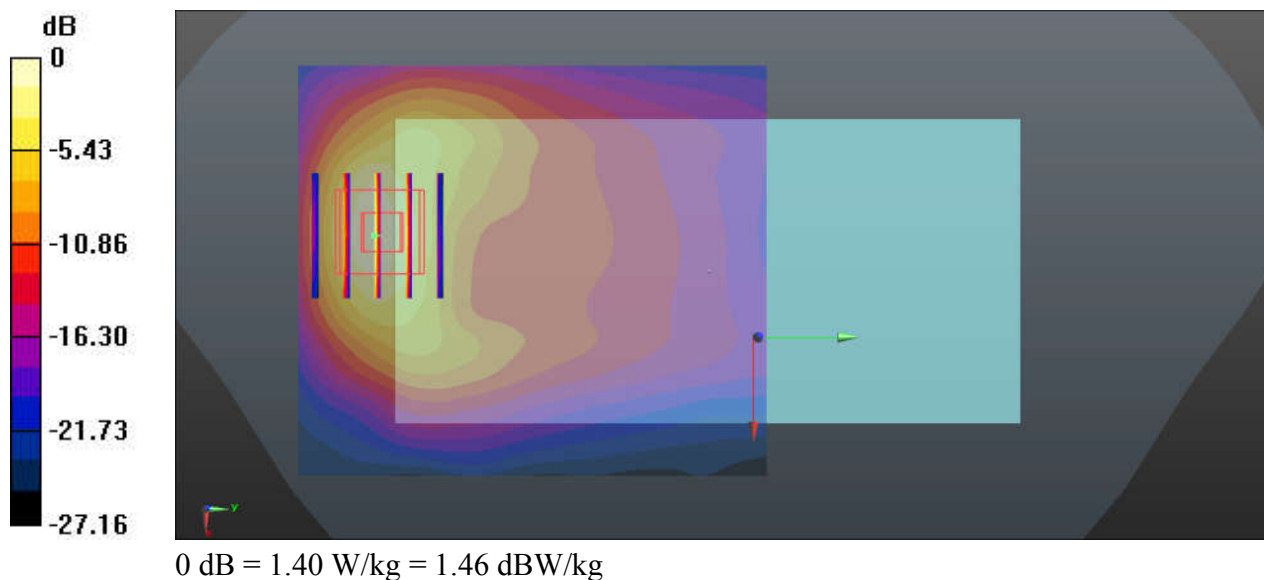
Communication System: UID 0, LTE-FDD (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 53.096$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.82, 7.82, 7.82); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch26340/Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 1.40 W/kg

**Ch26340/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 6.256 V/m; Power Drift = 0.15 dB  
Peak SAR (extrapolated) = 2.40 W/kg  
**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.567 W/kg**  
Maximum value of SAR (measured) = 1.84 W/kg



**37\_LTE Band 30\_10M\_QPSK\_1RB\_0offset\_Back\_5mm\_Ch27710**

Communication System: UID 0, LTE-FDD (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: MSL\_2300 Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.823$  S/m;  $\epsilon_r = 53.945$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.27, 7.27, 7.27); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch27710/Area Scan (91x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

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

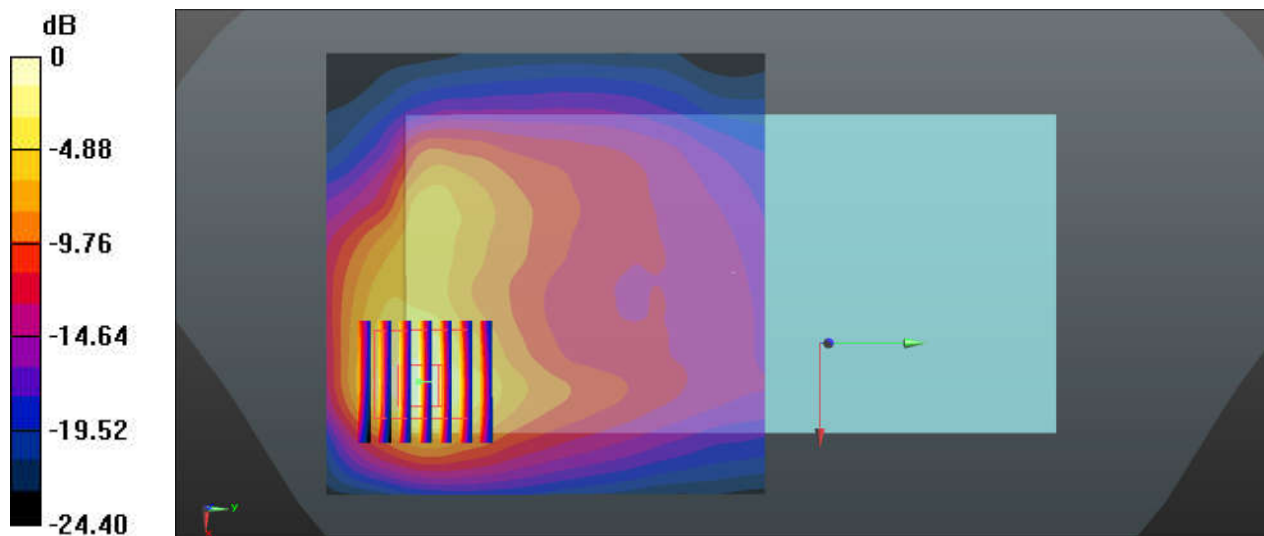
**Ch27710/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.635 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.14 W/kg

**SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.450 W/kg**

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



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

**38\_LTE Band 7\_20M\_QPSK\_100RB\_0offset\_Back\_5mm\_Ch21350**

Communication System: UID 0, LTE-FDD (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL\_2600 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.162$  S/m;  $\epsilon_r = 53.067$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.38, 7.38, 7.38); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch21350/Area Scan (91x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 2.07 W/kg

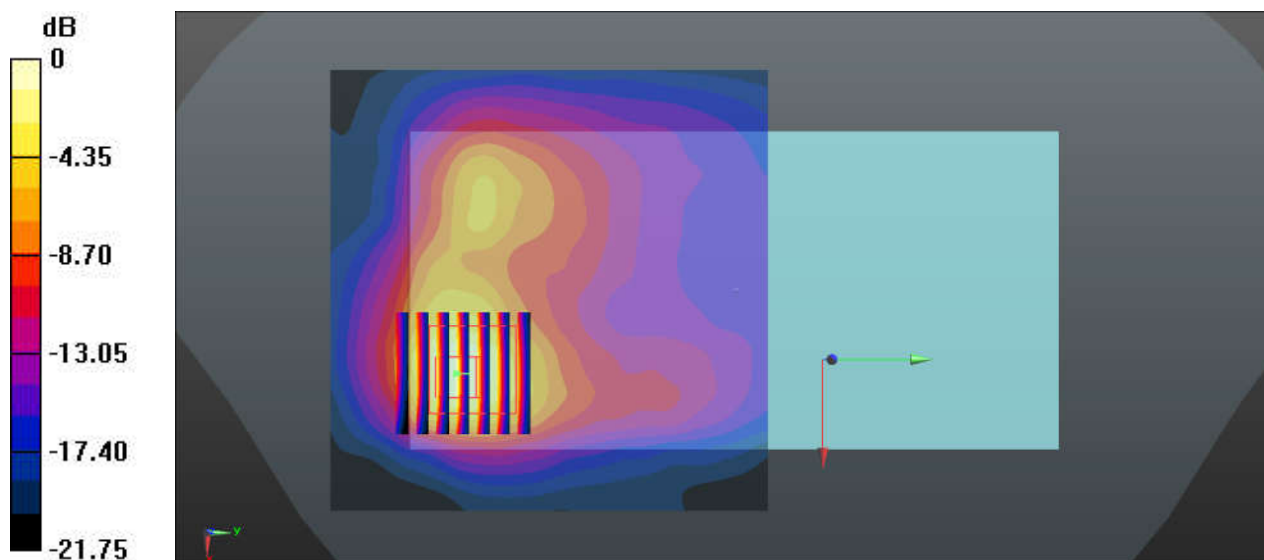
**Ch21350/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.778 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 3.14 W/kg

**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.491 W/kg**

Maximum value of SAR (measured) = 2.30 W/kg



0 dB = 2.07 W/kg = 3.16 dBW/kg

**39\_LTE Band 41\_20M\_QPSK\_1RB\_0offset\_Back\_5mm\_Ch40185**

Communication System: UID 0, LTE-TDD (0); Frequency: 2549.5 MHz; Duty Cycle: 1:1.59  
Medium: MSL\_2600 Medium parameters used:  $f = 2549.5$  MHz;  $\sigma = 2.147$  S/m;  $\epsilon_r = 53.086$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.38, 7.38, 7.38); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch40185/Area Scan (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.06 W/kg

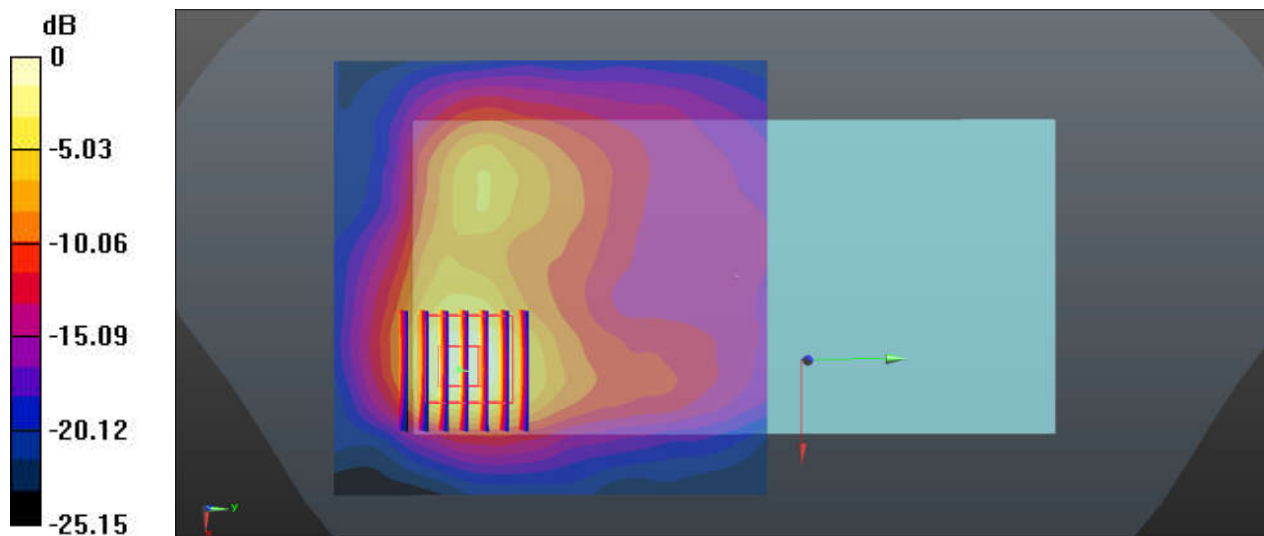
**Ch40185/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.810 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.07 W/kg

**SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.503 W/kg**

Maximum value of SAR (measured) = 2.27 W/kg



0 dB = 2.06 W/kg = 3.14 dBW/kg

**40\_ WLAN 2.4GHz \_802.11b 1Mbps\_Back\_5mm\_Ch6**

Communication System: UID 0, 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.99$  S/m;  $\epsilon_r = 53.49$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.39, 4.39, 4.39); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch6/Area Scan (81x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

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

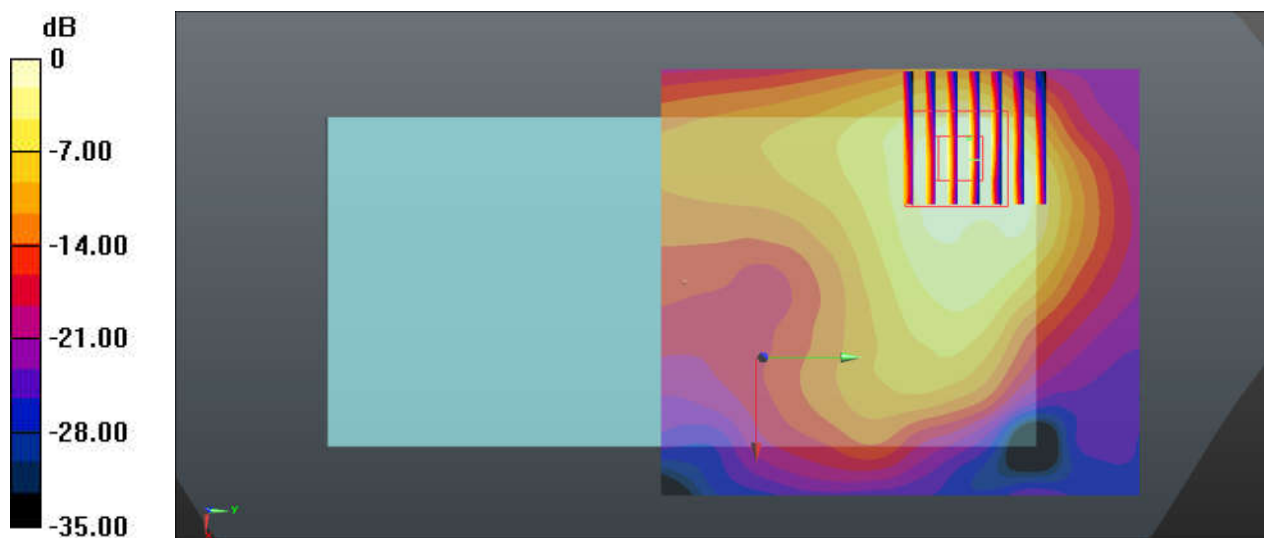
**Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0.9680 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.83 W/kg

**SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.283 W/kg**

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

**41\_WLAN5GHz\_802.11a 6Mbps\_Back\_5mm\_Ch36**

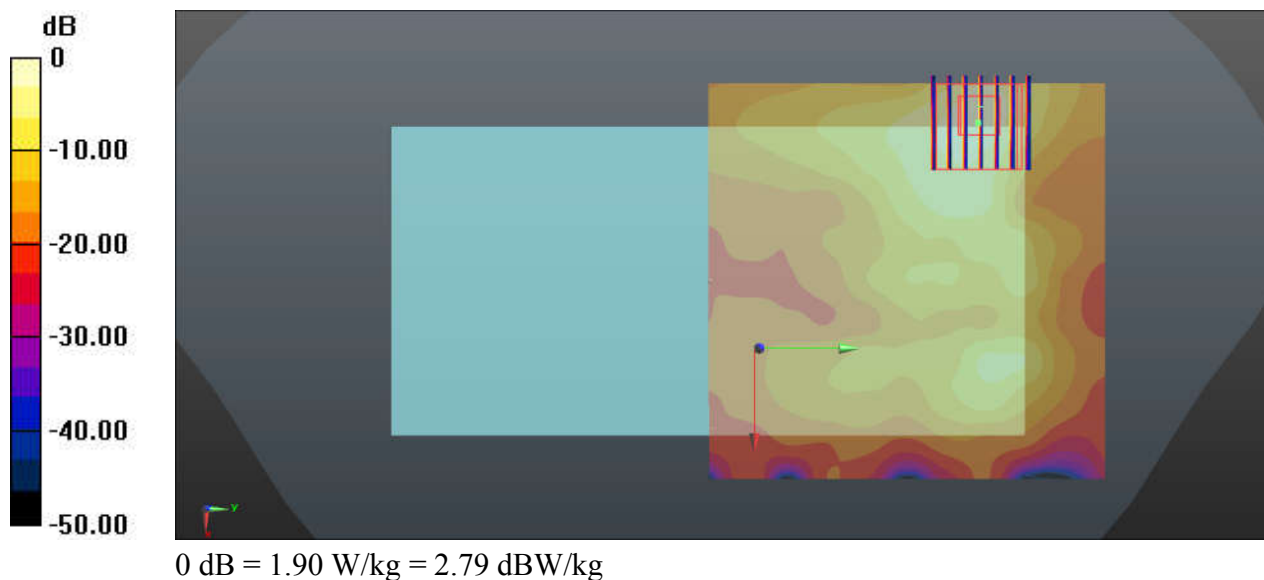
Communication System: UID 0, 802.11a (0); Frequency: 5180 MHz; Duty Cycle: 1:1.018  
Medium: MSL\_5000 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.447$  S/m;  $\epsilon_r = 47.55$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(4.4, 4.4, 4.4); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch36/Area Scan (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm  
Maximum value of SAR (interpolated) = 1.90 W/kg

**Ch36/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm  
Reference Value = 2.281 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 3.62 W/kg  
**SAR(1 g) = 0.804 W/kg; SAR(10 g) = 0.234 W/kg**  
Maximum value of SAR (measured) = 2.05 W/kg



**42\_WLAN5GHz\_802.11a 6Mbps\_Back\_5mm\_Ch149**

Communication System: UID 0, 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1.018

Medium: MSL\_5000 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.206$  S/m;  $\epsilon_r = 46.577$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.31, 4.31, 4.31); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch149/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

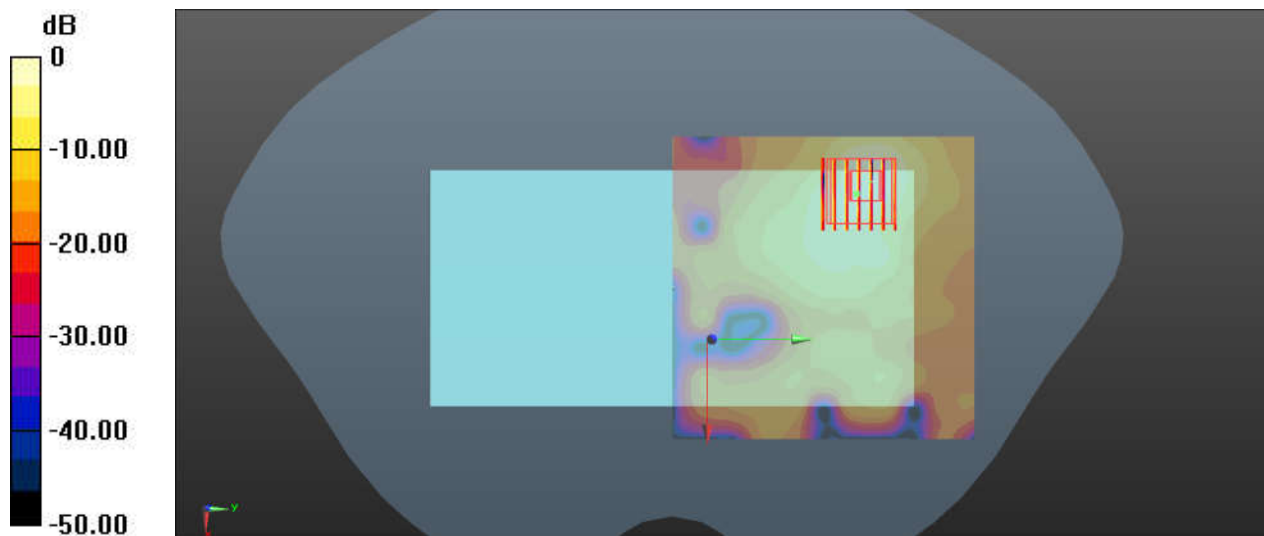
**Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.269 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.15 W/kg

**SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.164 W/kg**

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



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

**43\_Bluetooth\_1Mbps\_Back\_5mm\_Ch78**

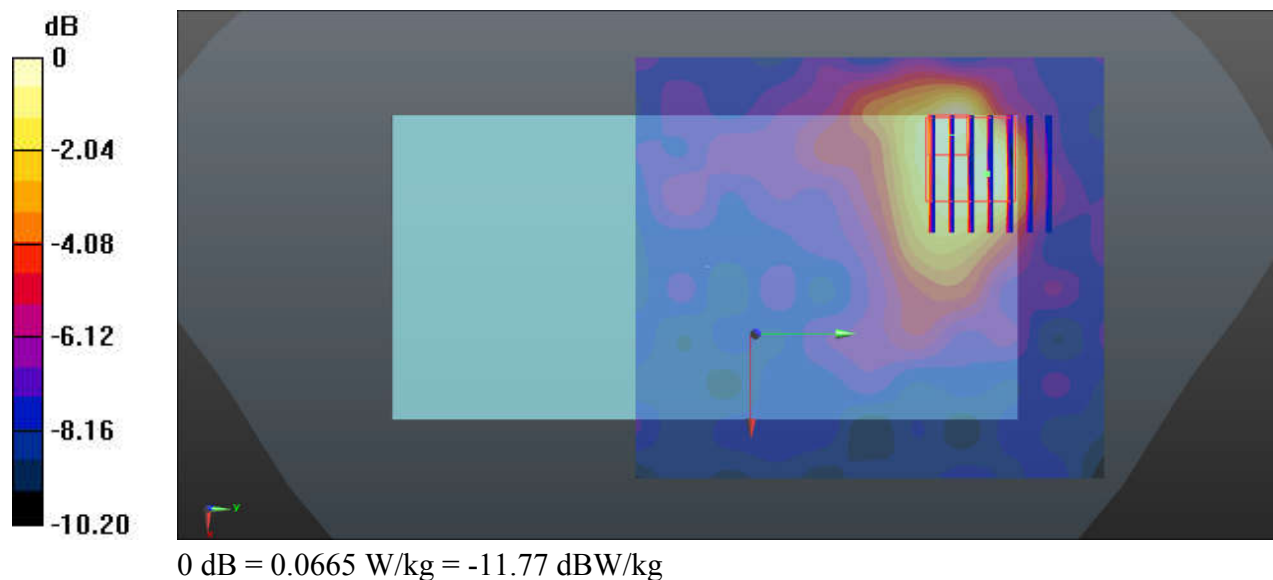
Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30  
Medium: MSL\_2450 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 2.047$  S/m;  $\epsilon_r = 53.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(4.39, 4.39, 4.39); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch78/Area Scan (91x101x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm  
Maximum value of SAR (interpolated) = 0.0665 W/kg

**Ch78/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 2.308 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 0.111 W/kg  
**SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.023 W/kg**  
Maximum value of SAR (measured) = 0.0834 W/kg



**44\_GSM850\_GPRS 2 Tx slots\_Back\_5mm\_Ch128**

Communication System: UID 0, GSM850 (0); Frequency: 824.2 MHz; Duty Cycle: 1:4.15  
Medium: MSL\_850 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.976$  S/m;  $\epsilon_r = 54.895$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch128/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

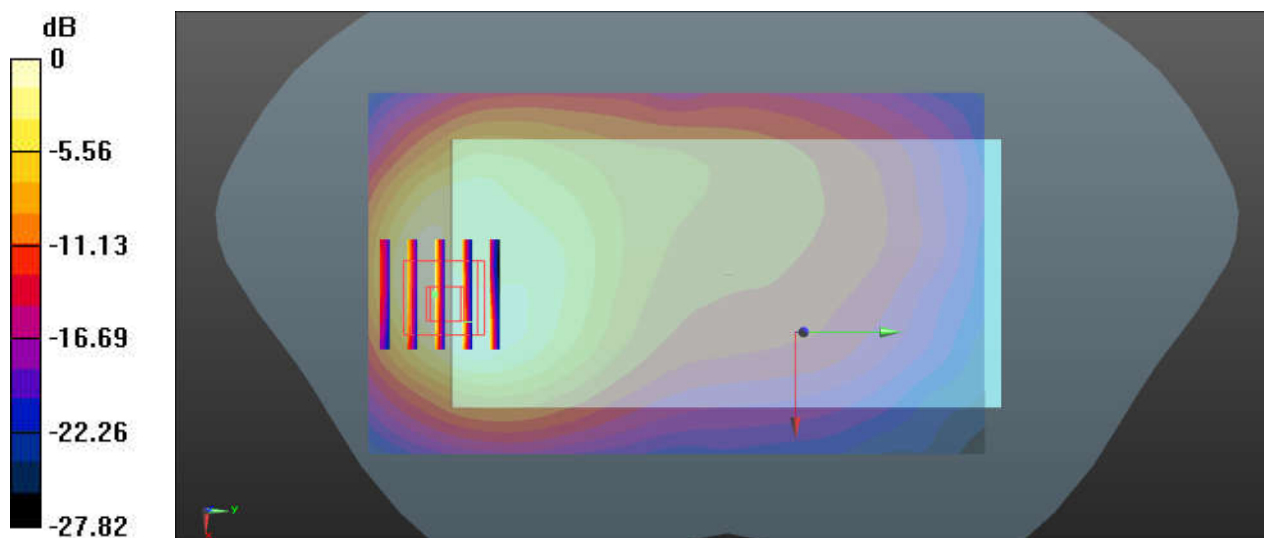
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.23 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.80 W/kg

**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.644 W/kg**

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



0 dB = 1.51 W/kg = 1.79 dBW/kg

**45\_GSM1900\_GPRS 2 Tx slots\_Back\_5mm\_Ch661**

Communication System: UID 0, PCS (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: MSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 53.096$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.82, 7.82, 7.82); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch661/Area Scan (71x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.28 W/kg

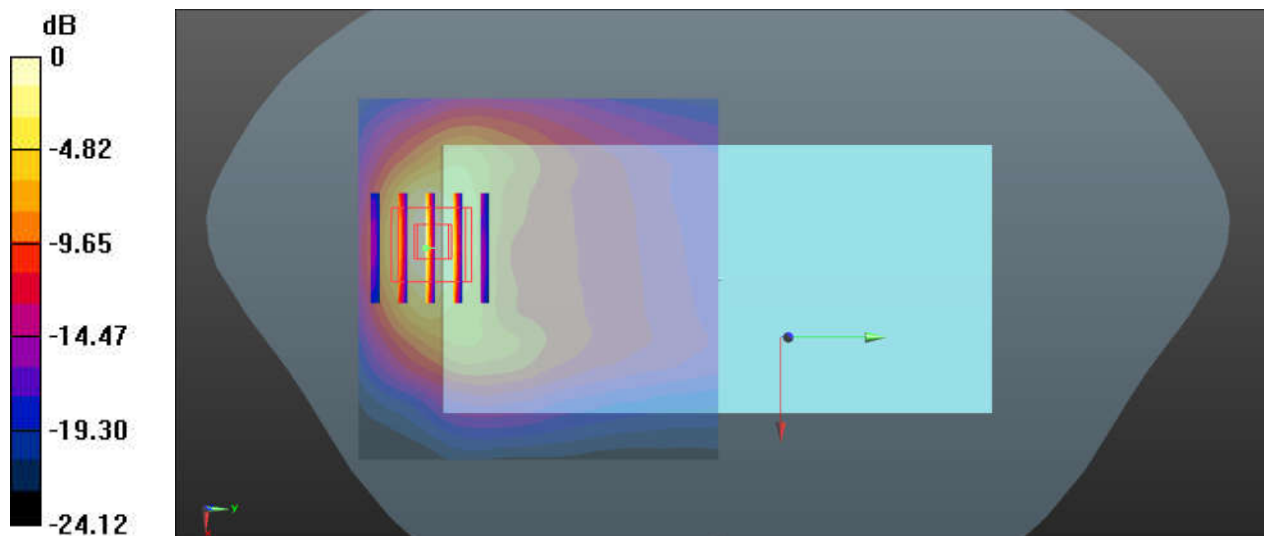
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.872 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.27 W/kg

**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.518 W/kg**

Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg

**46\_WCDMA V\_RMC 12.2Kbps\_Back\_5mm\_Ch4233**

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850 Medium parameters used:  $f = 846.6$  MHz;  $\sigma = 1$  S/m;  $\epsilon_r = 54.762$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch4233/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.47 W/kg

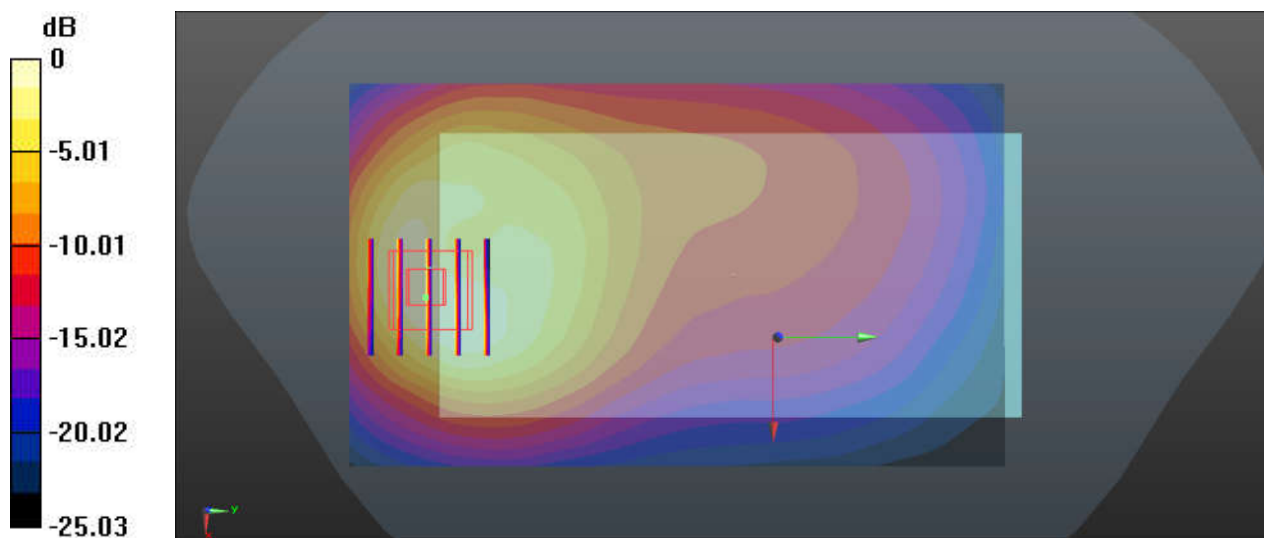
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 10.77 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.80 W/kg

**SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.712 W/kg**

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



0 dB = 1.47 W/kg = 1.67 dBW/kg

**47\_WCDMA IV\_RMC 12.2Kbps\_Back\_5mm\_Ch1413**

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750 Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.504$  S/m;  $\epsilon_r = 54.131$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(8.15, 8.15, 8.15); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch1413/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

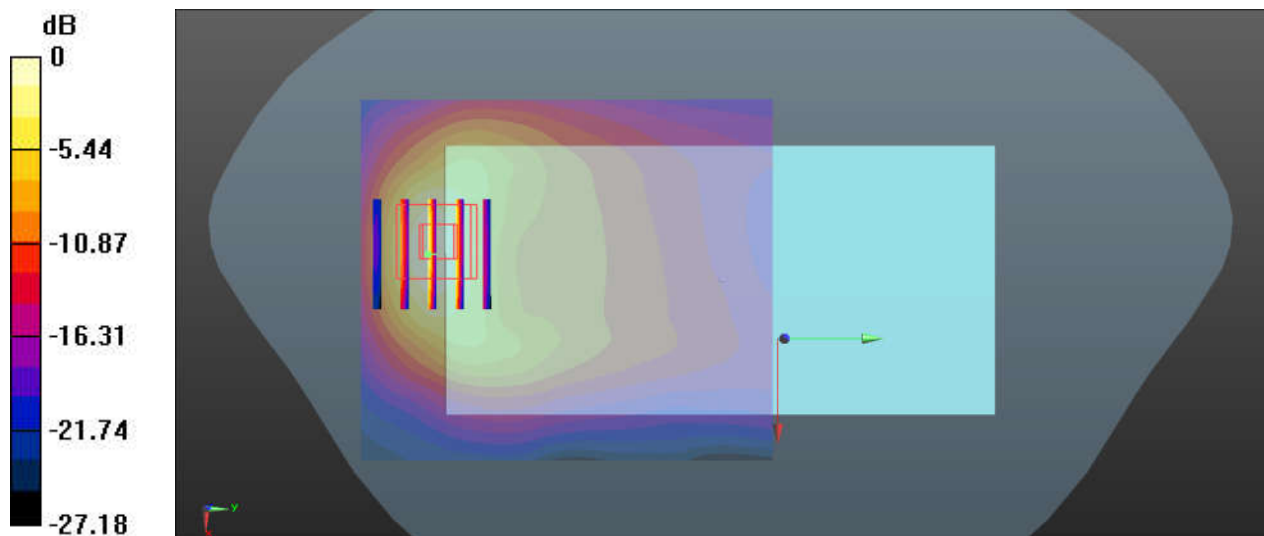
**Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.231 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.71 W/kg

**SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.658 W/kg**

Maximum value of SAR (measured) = 1.70 W/kg



0 dB = 1.60 W/kg = 2.04 dBW/kg

**48\_WCDMA II\_RMC 12.2Kbps\_Back\_5mm\_Ch9400**

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 53.096$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.82, 7.82, 7.82); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch9400/Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

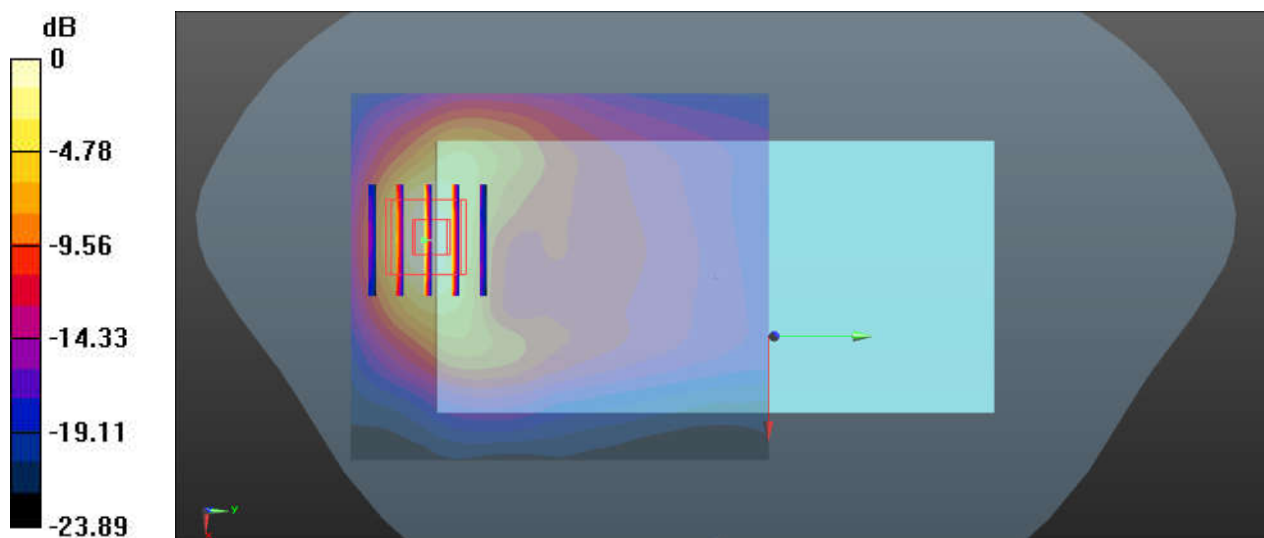
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 5.655 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.29 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.537 W/kg**

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



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

**49\_CDMA2000 BC10\_RC3 SO32 (F+SCH) \_Back\_5mm\_Ch684**

Communication System: UID 0, CDMA (0); Frequency: 823.1 MHz; Duty Cycle: 1:1

Medium: MSL\_850 Medium parameters used:  $f = 823.1$  MHz;  $\sigma = 0.975$  S/m;  $\epsilon_r = 54.902$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch684/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

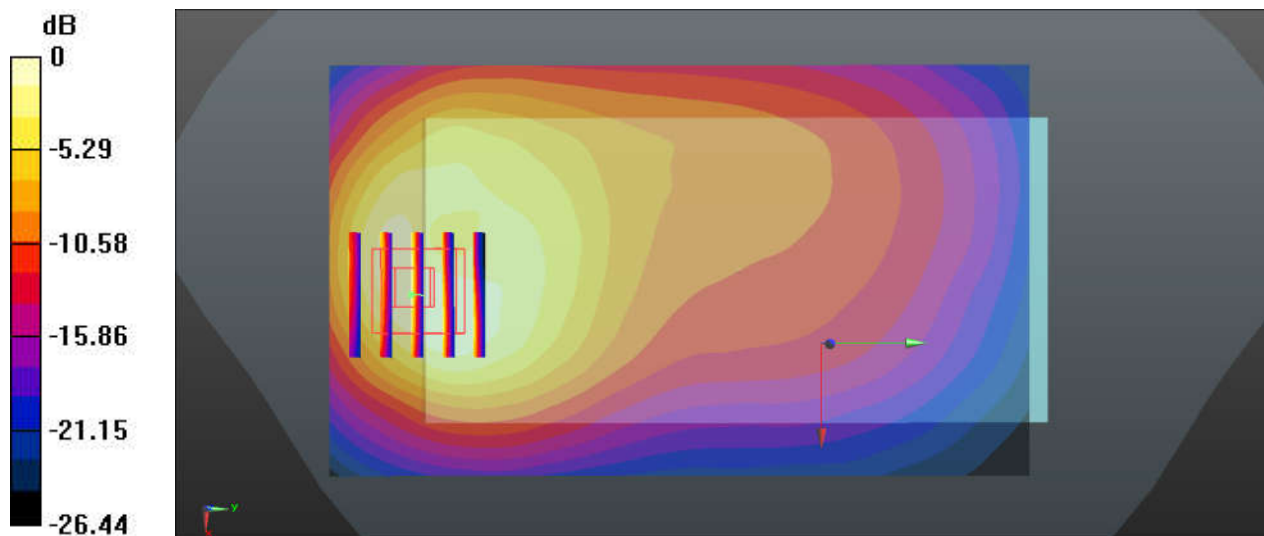
**Ch684/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 12.23 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.54 W/kg

**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.583 W/kg**

Maximum value of SAR (measured) = 1.96 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

**50\_CDMA2000 BC0\_RC3 SO32 (F+SCH) \_Back\_5mm\_Ch384**

Communication System: UID 0, CDMA (0); Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium: MSL\_850 Medium parameters used:  $f = 836.52$  MHz;  $\sigma = 0.99$  S/m;  $\epsilon_r = 54.824$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch384/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.47 W/kg

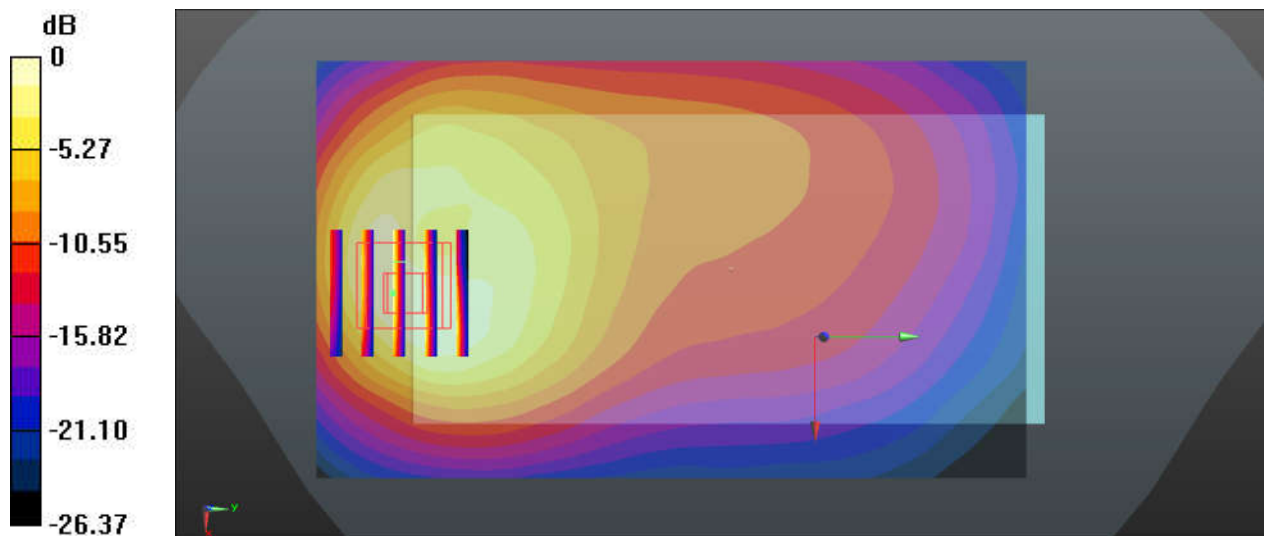
**Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.49 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.44 W/kg

**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.570 W/kg**

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



0 dB = 1.47 W/kg = 1.67 dBW/kg

**51\_CDMA2000 BC1\_RC3 SO32 (F+SCH) \_Back\_5mm\_Ch25**

Communication System: UID 0, CDMA (0); Frequency: 1851.25 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.479$  S/m;  $\epsilon_r = 53.186$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.82, 7.82, 7.82); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch25/Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.87 W/kg

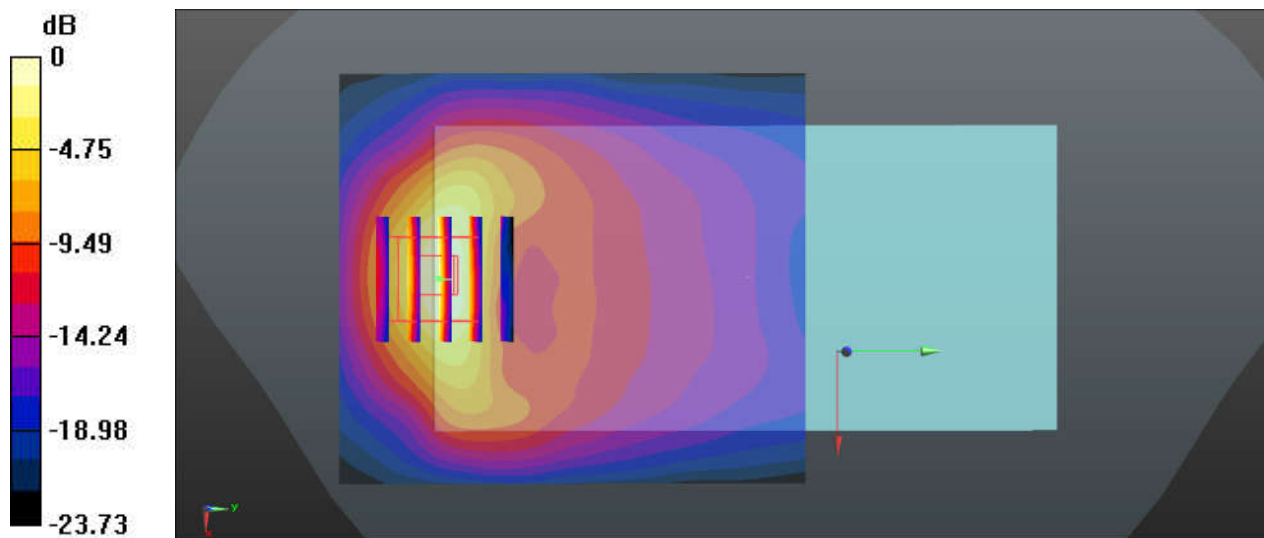
**Ch25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 6.187 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.62 W/kg

**SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.597 W/kg**

Maximum value of SAR (measured) = 2.18 W/kg



0 dB = 1.87 W/kg = 2.72 dBW/kg

**52\_LTE Band 71\_20M\_QPSK\_1RB\_0Offset\_Back\_5mm\_Ch133322**

Communication System: UID 0, LTE (0); Frequency: 683 MHz; Duty Cycle: 1:1

Medium: MSL\_750 Medium parameters used:  $f = 683$  MHz;  $\sigma = 0.905$  S/m;  $\epsilon_r = 57.381$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.7, 9.7, 9.7) @ 683 MHz; Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch133322/Area Scan (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 1.20 W/kg

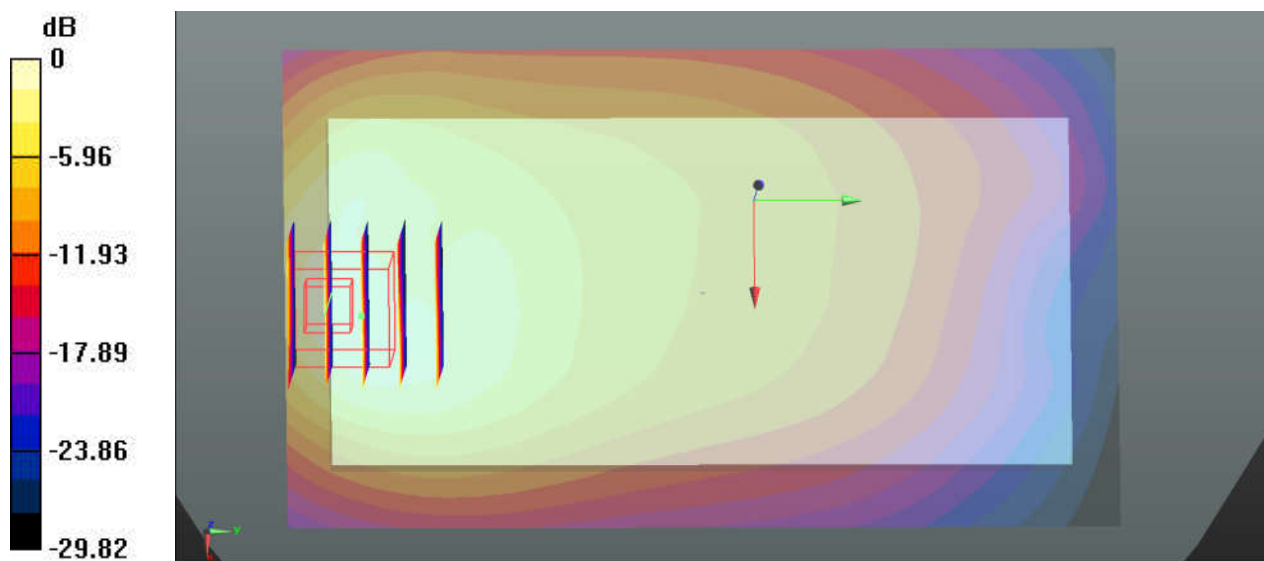
**Ch133322/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 4.559 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.415 W/kg**

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



0 dB = 1.20 W/kg = 0.79 dBW/kg

**53\_LTE Band 12\_10M\_QPSK\_1RB\_0offset\_Back\_5mm\_Ch23095**

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_750 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.928$  S/m;  $\epsilon_r = 57.133$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.7, 9.7, 9.7); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch23095/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.45 W/kg

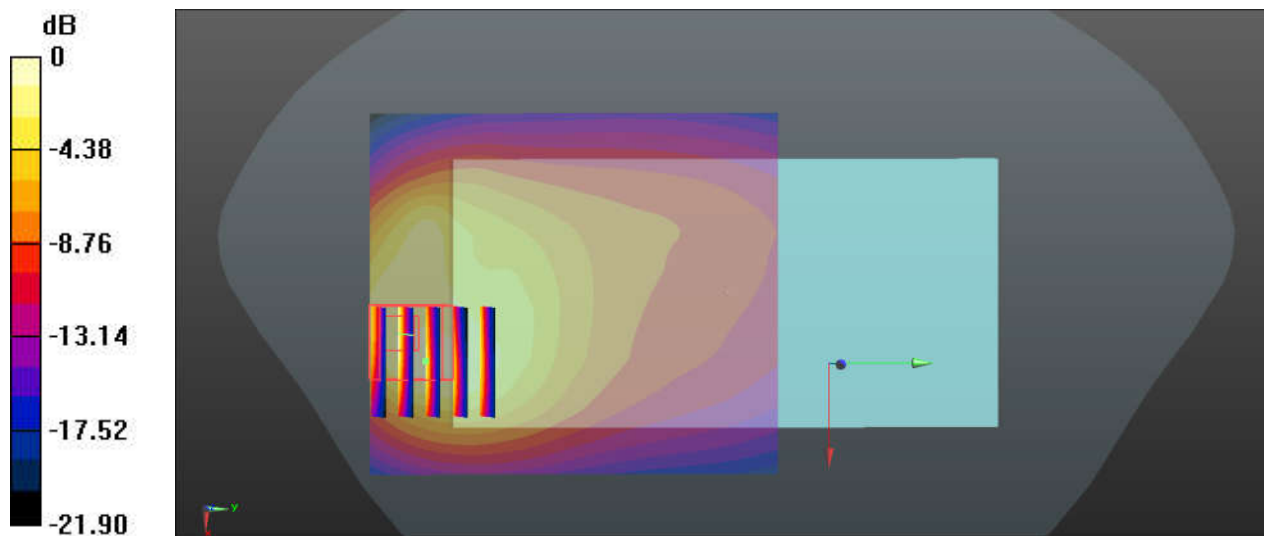
**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.40 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.98 W/kg

**SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.472 W/kg**

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



0 dB = 1.45 W/kg = 1.61 dBW/kg

**54\_LTE Band 13\_10M\_QPSK\_1RB\_0offset\_Back\_5mm\_Ch23230**

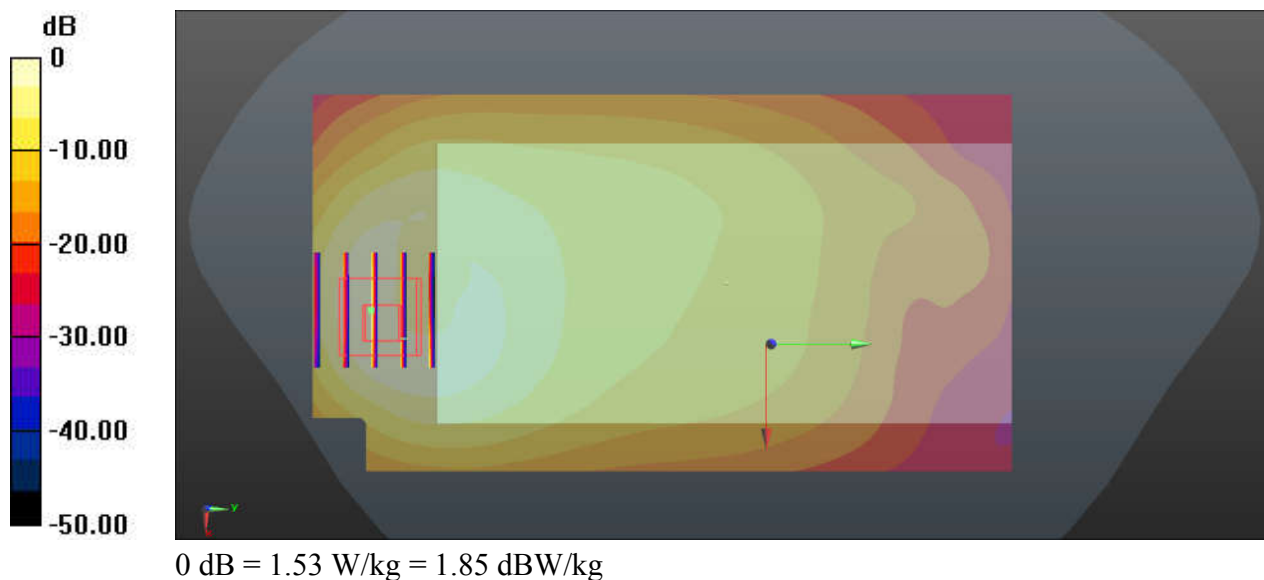
Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: MSL\_750 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.998$  S/m;  $\epsilon_r = 56.389$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.7, 9.7, 9.7); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch23230/Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.53 W/kg

**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 12.10 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 2.21 W/kg  
**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.548 W/kg**  
Maximum value of SAR (measured) = 1.62 W/kg



**55\_LTE Band 26\_15M\_QPSK\_75RB\_0offset\_Back\_5mm\_Ch26865**

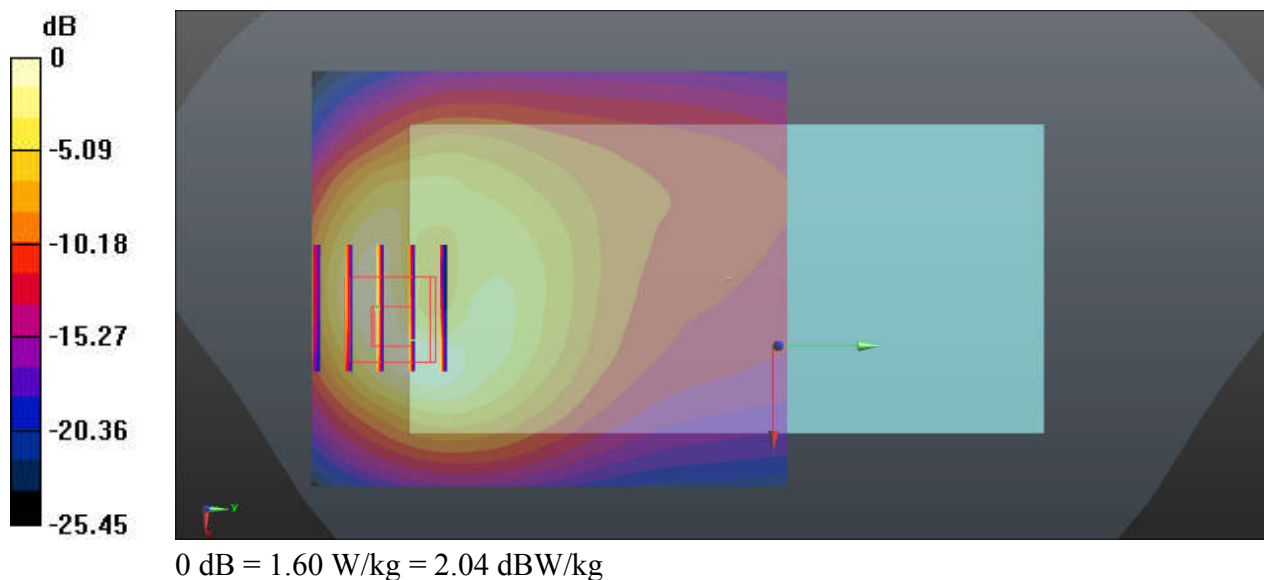
Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_850 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.984$  S/m;  $\epsilon_r = 54.855$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(9.49, 9.49, 9.49); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch26865/Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 1.60 W/kg

**Ch26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 6.391 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 2.59 W/kg  
**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.608 W/kg**  
Maximum value of SAR (measured) = 1.97 W/kg



**56\_LTE Band 66\_20M\_QPSK\_50RB\_24offset\_Back\_5mm\_Ch132572**

Communication System: UID 0, LTE-FDD (0); Frequency: 1770 MHz; Duty Cycle: 1:1  
Medium: MSL\_1750 Medium parameters used:  $f = 1770$  MHz;  $\sigma = 1.54$  S/m;  $\epsilon_r = 54.012$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(8.15, 8.15, 8.15); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch132572/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

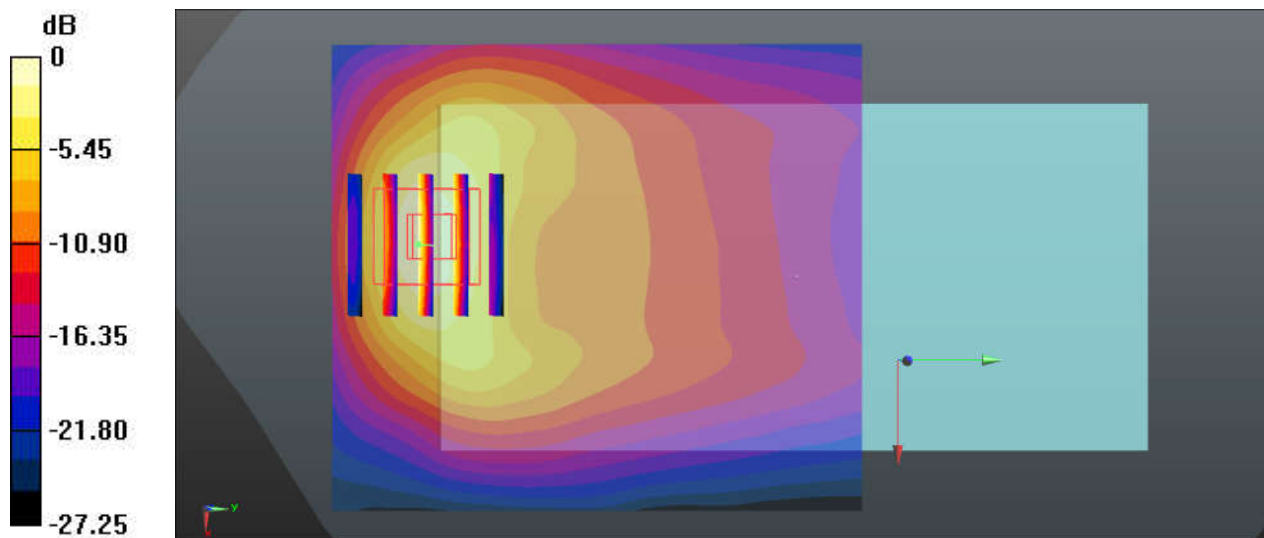
**Ch132572/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.530 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.33 W/kg

**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.599 W/kg**

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



0 dB = 1.37 W/kg = 1.37 dBW/kg

**57\_LTE Band 25\_20M\_QPSK\_50RB\_0offset\_Back\_5mm\_Ch26340**

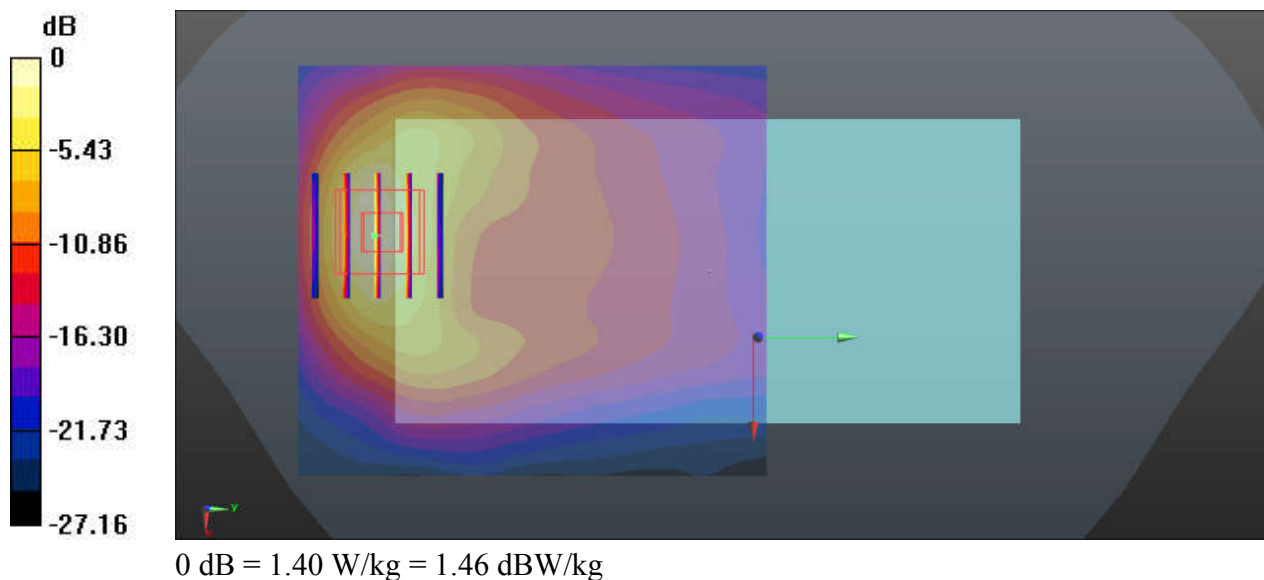
Communication System: UID 0, LTE-FDD (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 53.096$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.82, 7.82, 7.82); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch26340/Area Scan (71x81x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 1.40 W/kg

**Ch26340/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
Reference Value = 6.256 V/m; Power Drift = 0.15 dB  
Peak SAR (extrapolated) = 2.40 W/kg  
**SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.567 W/kg**  
Maximum value of SAR (measured) = 1.84 W/kg



**58\_LTE Band 30\_10M\_QPSK\_1RB\_0offset\_Back\_5mm\_Ch27710**

Communication System: UID 0, LTE-FDD (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Medium: MSL\_2300 Medium parameters used:  $f = 2310$  MHz;  $\sigma = 1.823$  S/m;  $\epsilon_r = 53.945$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3843; ConvF(7.27, 7.27, 7.27); Calibrated: 2018.9.27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2018.12.3
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch27710/Area Scan (91x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

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

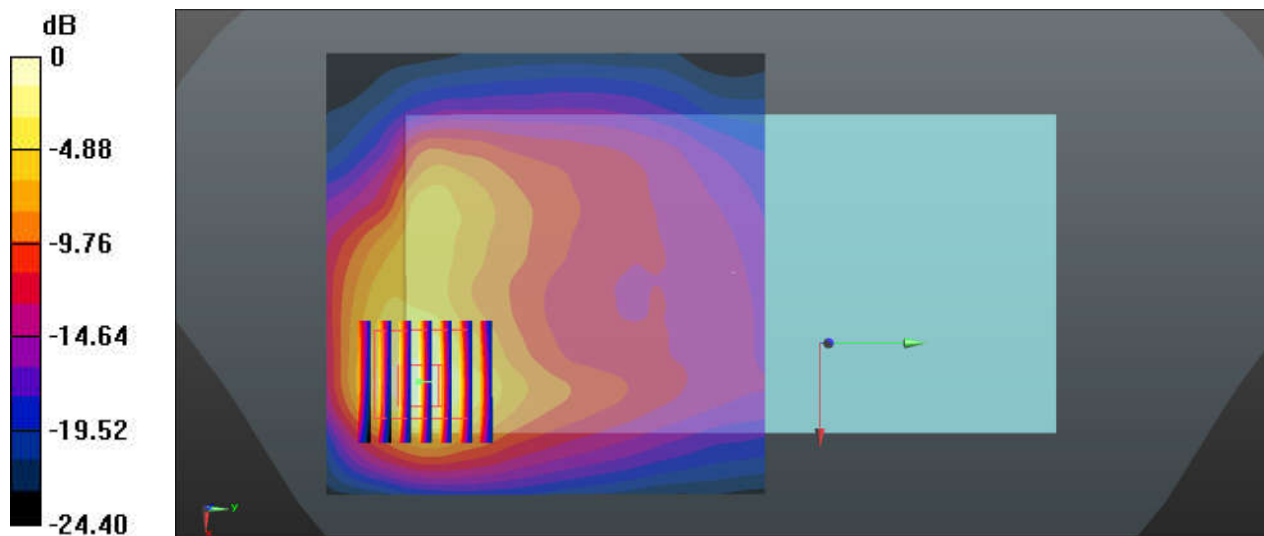
**Ch27710/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.635 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.14 W/kg

**SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.450 W/kg**

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



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

**59\_LTE Band 7\_20M\_QPSK\_100RB\_0offset\_Back\_5mm\_Headset\_Ch21100**

Communication System: UID 0, LTE-FDD (0); Frequency: 2535 MHz; Duty Cycle: 1:1  
Medium: MSL\_2600 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.124$  S/m;  $\epsilon_r = 53.138$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.38, 7.38, 7.38); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch21100/Area Scan (91x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 2.09 W/kg

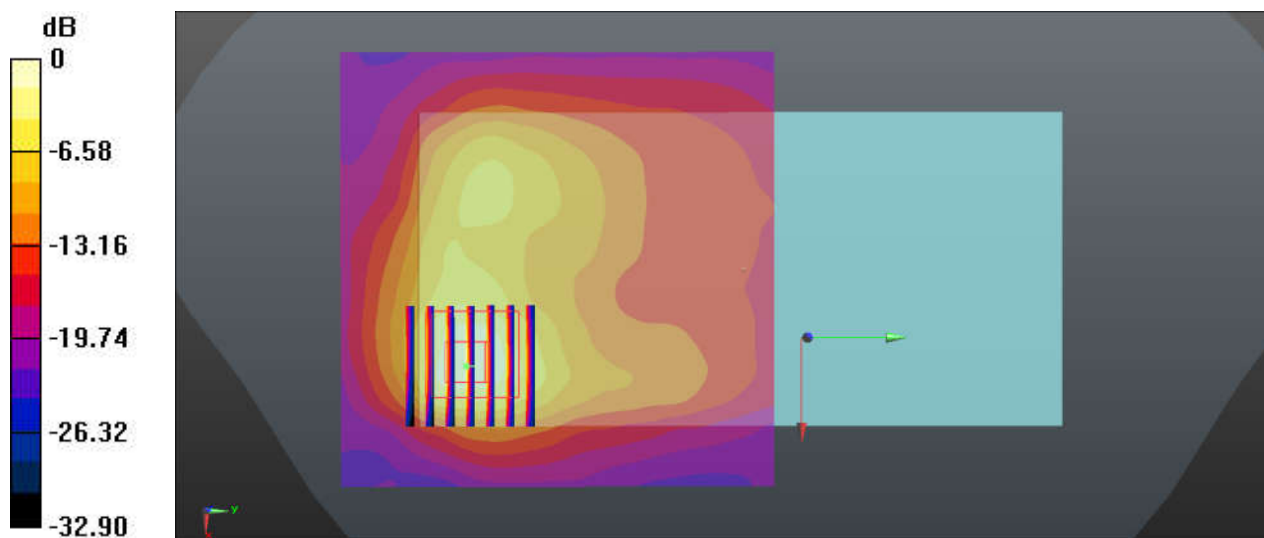
**Ch21100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 5.655 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.06 W/kg

**SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.479 W/kg**

Maximum value of SAR (measured) = 2.23 W/kg



0 dB = 2.09 W/kg = 3.20 dBW/kg

**60\_LTE Band 41\_20M\_QPSK\_1RB\_0offset\_Back\_5mm\_Ch40185**

Communication System: UID 0, LTE-TDD (0); Frequency: 2549.5 MHz; Duty Cycle: 1:1.59  
Medium: MSL\_2600 Medium parameters used:  $f = 2549.5$  MHz;  $\sigma = 2.147$  S/m;  $\epsilon_r = 53.086$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(7.38, 7.38, 7.38); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM1; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch40185/Area Scan (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 2.06 W/kg

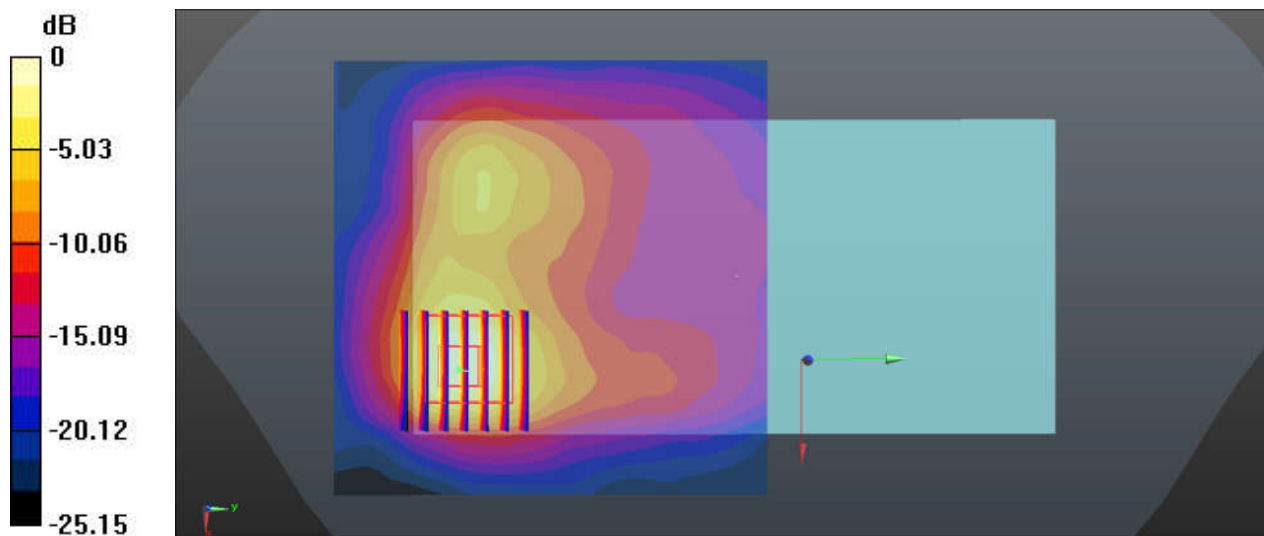
**Ch40185/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.810 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.07 W/kg

**SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.503 W/kg**

Maximum value of SAR (measured) = 2.27 W/kg



0 dB = 2.06 W/kg = 3.14 dBW/kg

**61\_ WLAN 2.4GHz \_802.11b 1Mbps\_Back\_5mm\_Ch6**

Communication System: UID 0, 802.11b (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.99$  S/m;  $\epsilon_r = 53.49$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.39, 4.39, 4.39); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch6/Area Scan (81x91x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

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

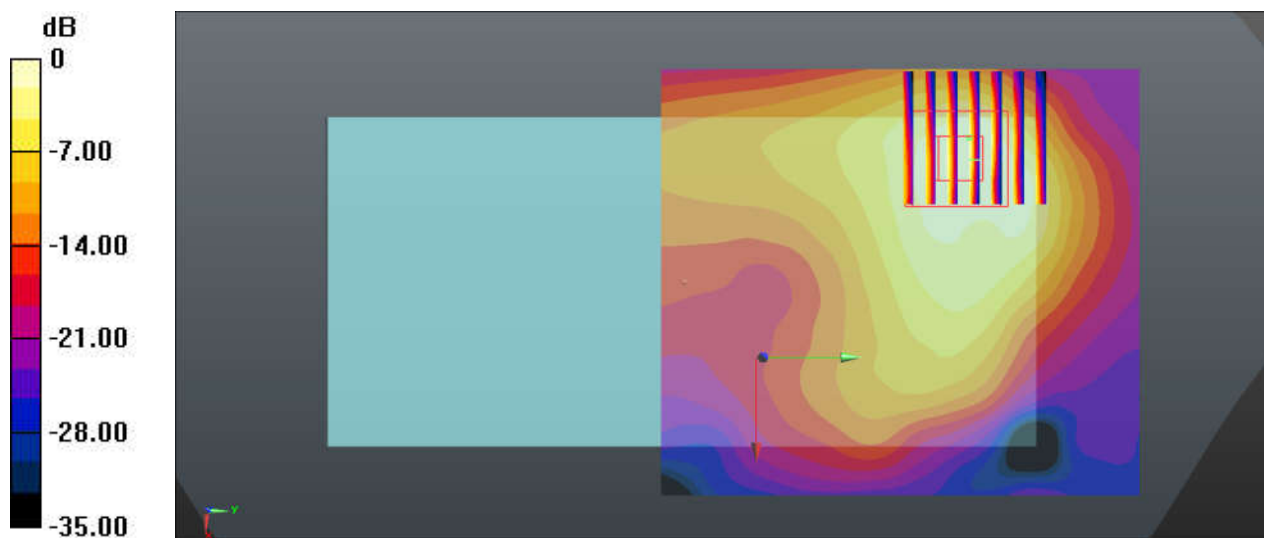
**Ch6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0.9680 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.83 W/kg

**SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.283 W/kg**

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

**62\_WLAN5GHz\_802.11a 6Mbps\_Back\_5mm\_Ch64**

Communication System: UID 0, 802.11a (0); Frequency: 5320 MHz; Duty Cycle: 1:1.018

Medium: MSL\_5000 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.585$  S/m;  $\epsilon_r = 47.425$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.4, 4.4, 4.4); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch64/Area Scan (101x101x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.91 W/kg

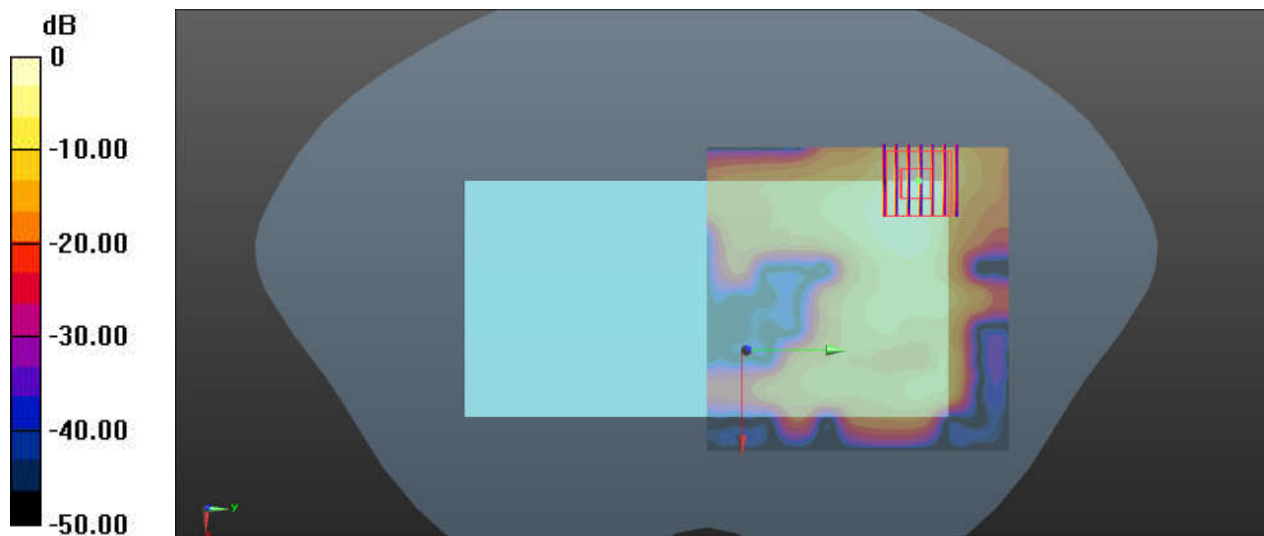
**Ch64/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.54 W/kg

**SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.178 W/kg**

Maximum value of SAR (measured) = 2.00 W/kg



0 dB = 1.91 W/kg = 2.81 dBW/kg

**63\_WLAN5GHz\_802.11n-HT40 MCS0\_Back\_5mm\_Ch102**

Communication System: UID 0, 802.11n (0); Frequency: 5510 MHz; Duty Cycle: 1:1.038  
Medium: MSL\_5000 Medium parameters used:  $f = 5510$  MHz;  $\sigma = 5.878$  S/m;  $\epsilon_r = 46.98$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3857; ConvF(3.98, 3.98, 3.98); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch102/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

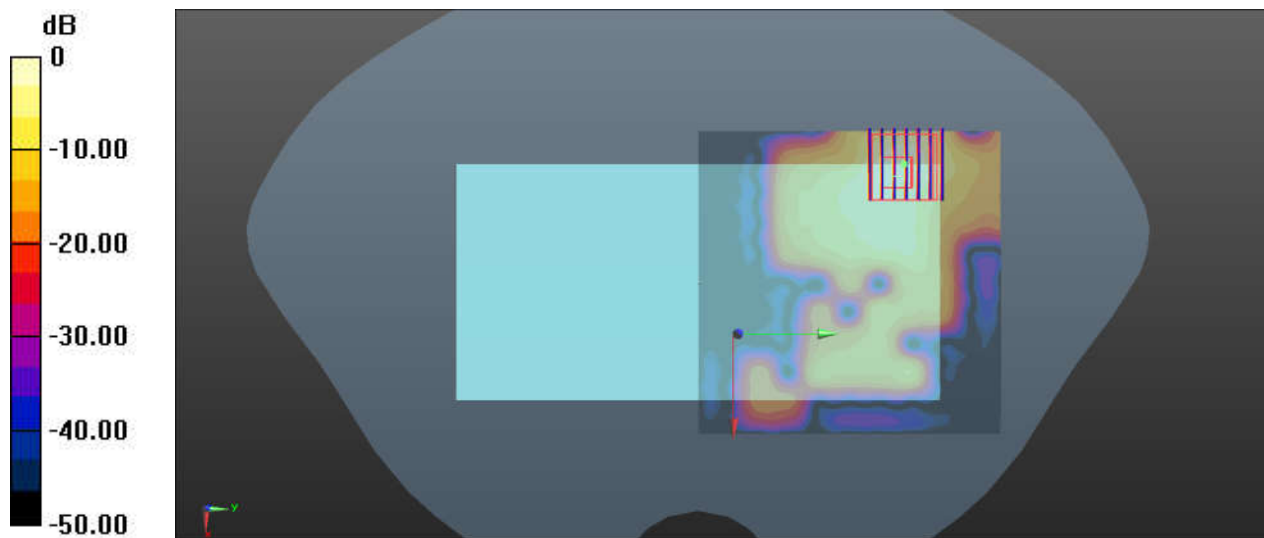
**Ch102/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.13 W/kg

**SAR(1 g) = 0.804 W/kg; SAR(10 g) = 0.198 W/kg**

Maximum value of SAR (measured) = 2.16 W/kg



**64\_WLAN5GHz\_802.11a 6Mbps\_Back\_5mm\_Ch149**

Communication System: UID 0, 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1.018

Medium: MSL\_5000 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.206$  S/m;  $\epsilon_r = 46.577$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.31, 4.31, 4.31); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2018.4.19
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch149/Area Scan (101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

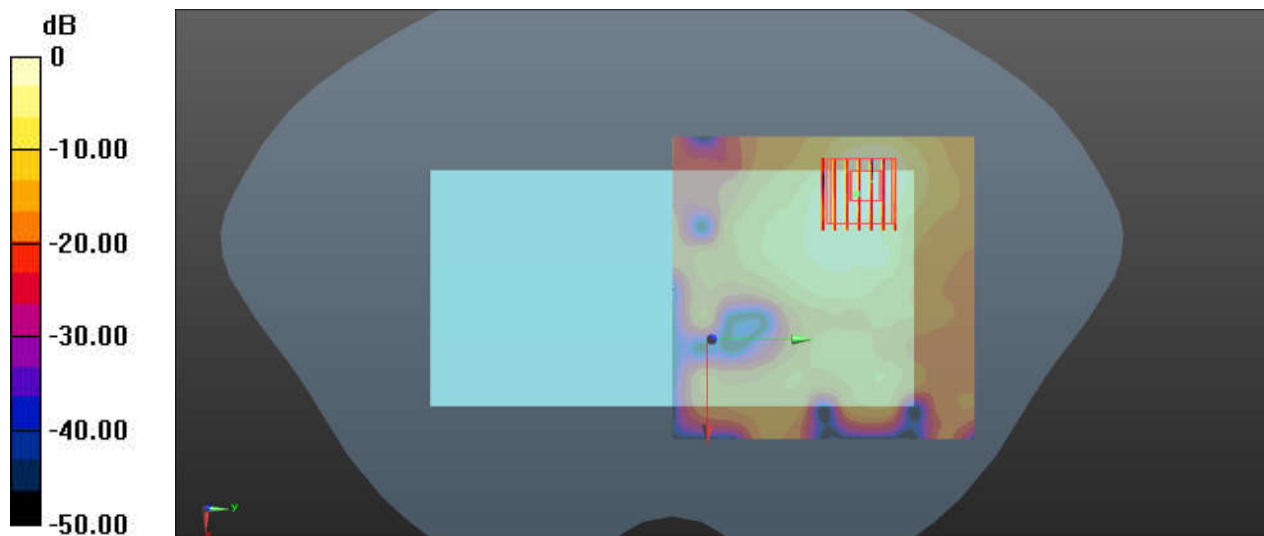
**Ch149/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.269 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.15 W/kg

**SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.164 W/kg**

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



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

**65\_Bluetooth\_1Mbps\_Back\_5mm\_Ch78**

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30  
Medium: MSL\_2450 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 2.047$  S/m;  $\epsilon_r = 53.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(4.39, 4.39, 4.39); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2018.6.20
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch78/Area Scan (91x101x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm  
Maximum value of SAR (interpolated) = 0.0665 W/kg

**Ch78/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 2.308 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 0.111 W/kg  
**SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.023 W/kg**  
Maximum value of SAR (measured) = 0.0834 W/kg

