

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

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

Medium: HSL\_850\_150904 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.912$  S/m;  $\epsilon_r = 42.837$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.33, 10.33, 10.33); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch251/Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.330 W/kg

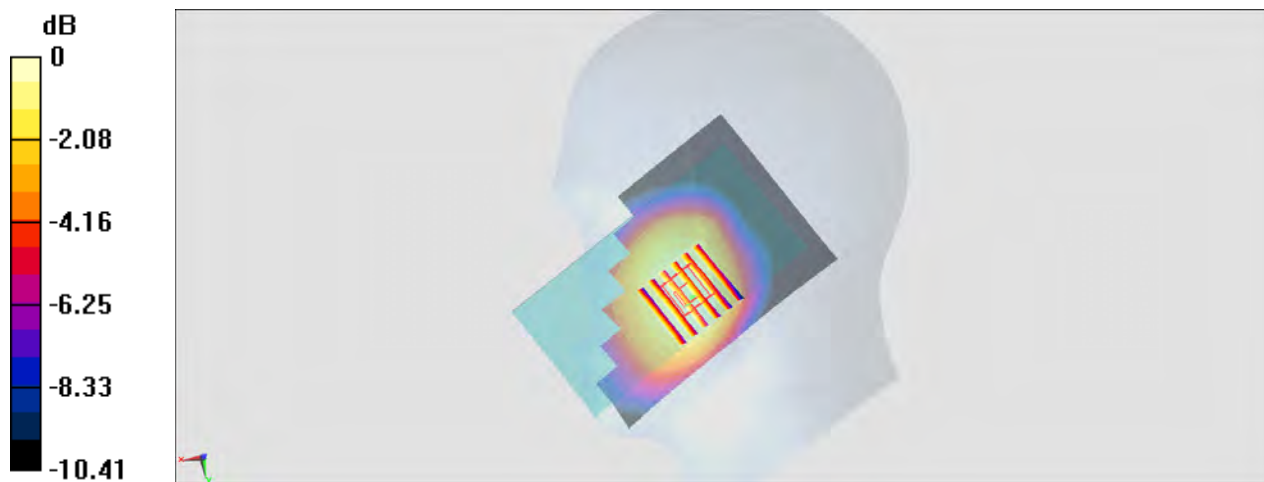
**Configuration/Ch251/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.31 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.341 W/kg

**SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.220 W/kg**

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



0 dB = 0.319 W/kg = -4.96 dBW/kg

**#02\_GSM1900\_GPRS (4 Tx slots)\_Left Cheek\_Ch661**

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

Medium: HSL1900\_150904 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.408$  S/m;  $\epsilon_r = 41.077$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(8.1, 8.1, 8.1); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch661/Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

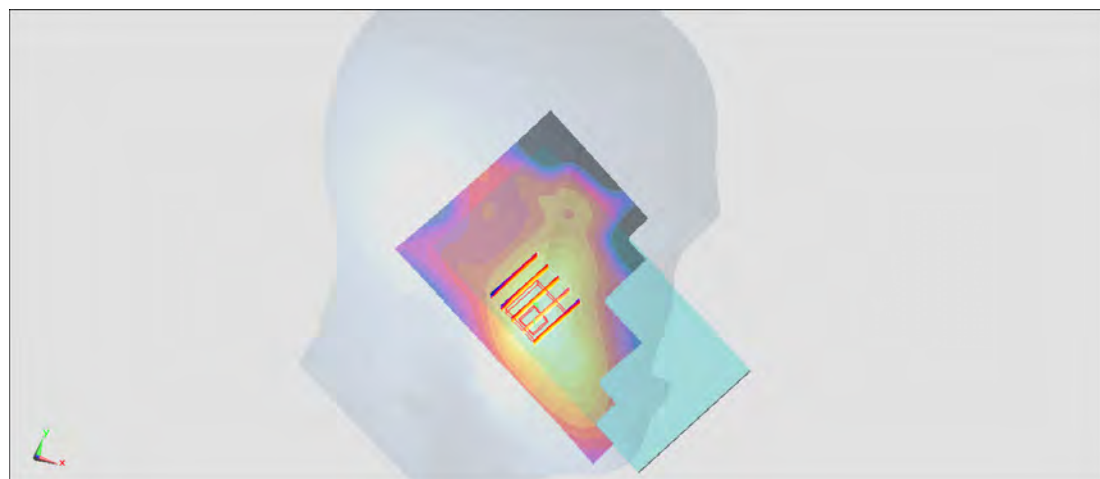
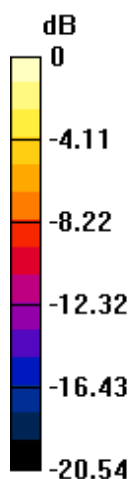
**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.68 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.249 W/kg

**SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.113 W/kg**

Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.226 W/kg = -6.46 dBW/kg

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

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

Medium: HSL\_850\_150904 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.91$  S/m;  $\epsilon_r = 42.862$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.33, 10.33, 10.33); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.353 W/kg

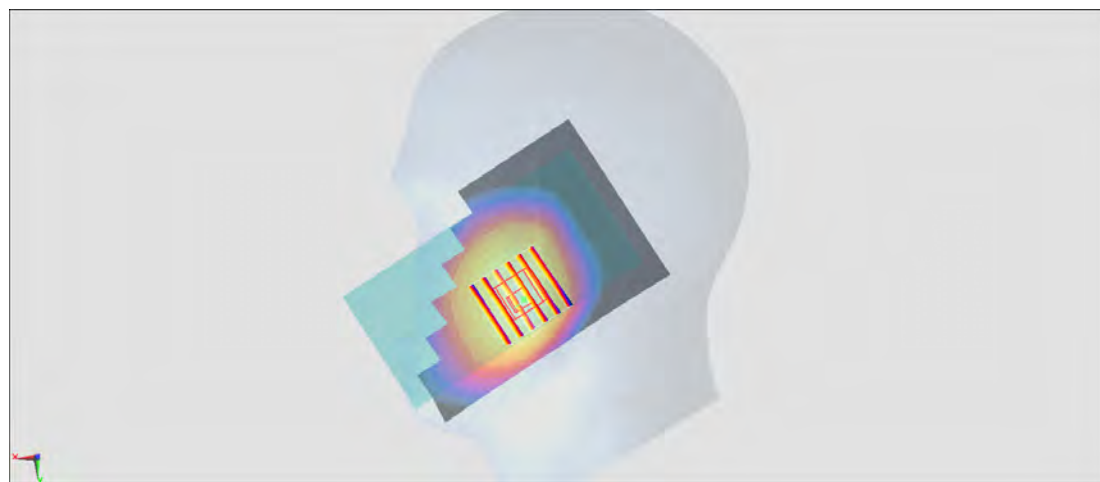
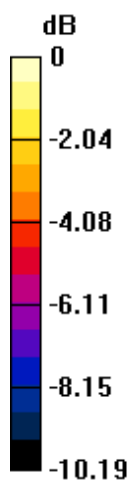
**Configuration/Ch4233/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.24 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.413 W/kg

**SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.262 W/kg**

Maximum value of SAR (measured) = 0.379 W/kg



0 dB = 0.379 W/kg = -4.21 dBW/kg

**#04\_LTE Band 17\_10M\_QPSK\_1\_0\_Right Cheek\_Ch23800**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: HSL\_750\_150904 Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.857$  S/m;  $\epsilon_r = 43.099$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.93, 10.93, 10.93); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch23800/Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

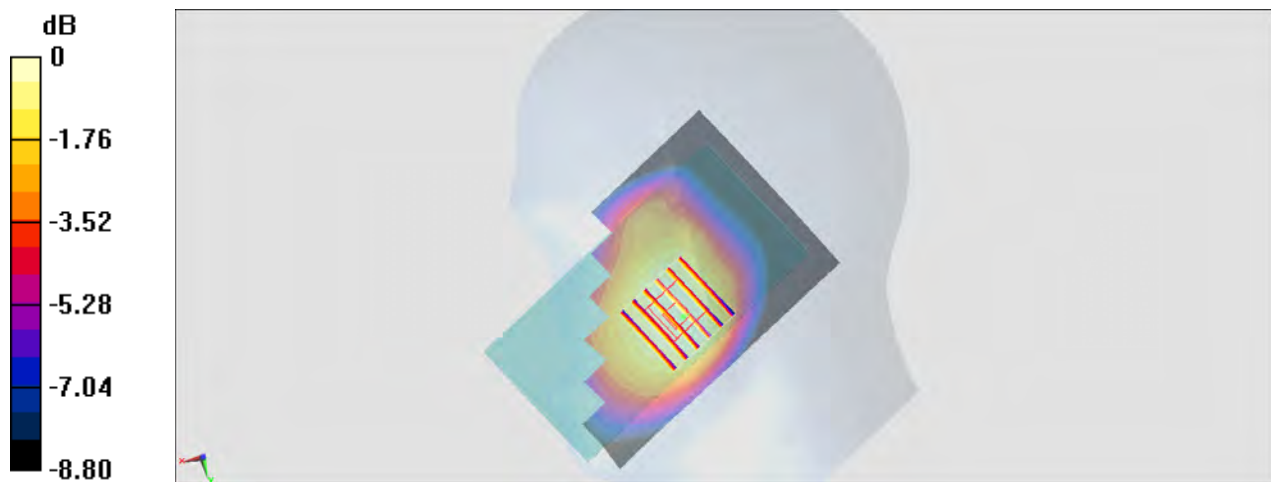
**Configuration/Ch23800/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.26 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.172 W/kg

**SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.113 W/kg**

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



0 dB = 0.161 W/kg = -7.93 dBW/kg

**#05\_LTE Band 7\_20M\_QPSK\_50RB\_0Offset\_Left Cheek\_Ch21100**

Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: HSL\_2600\_150911 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.934$  S/m;  $\epsilon_r = 38.863$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3697; ConvF(6.71, 6.71, 6.71); Calibrated: 2014/9/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch21100/Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.394 W/kg

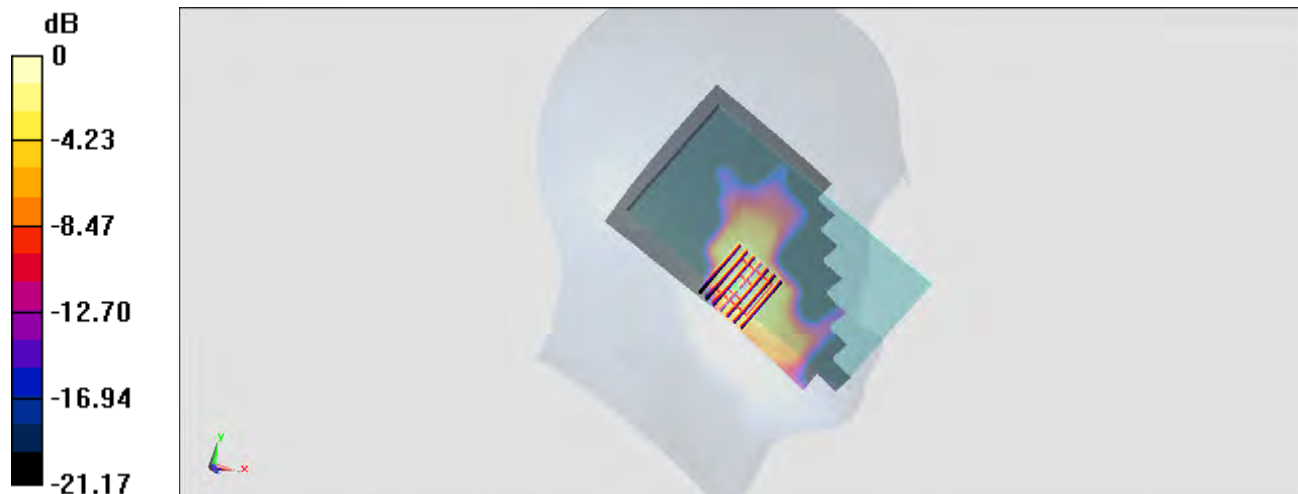
**Configuration/Ch21100/Zoom Scan (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 0.395 W/kg

**SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.106 W/kg**

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



0 dB = 0.394 W/kg = -4.05 dBW/kg

**#06\_WLAN2.4GHz\_802.11b 1Mbps\_Left Cheek\_Ch1;Ant 0**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.011

Medium: HSL\_2450\_150905 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.81$  S/m;  $\epsilon_r = 39.329$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(7.25, 7.25, 7.25); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch1/Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.465 W/kg

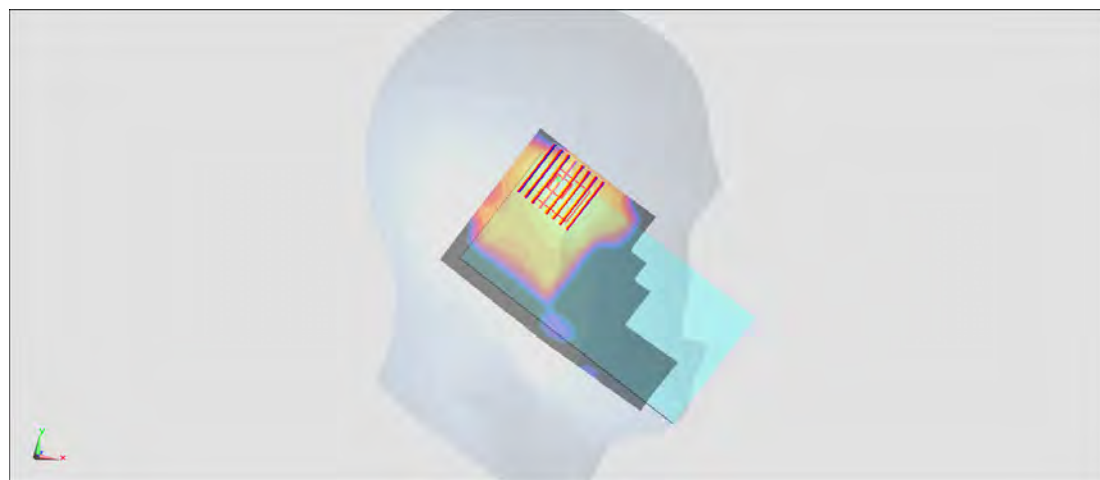
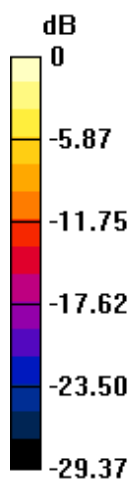
**Configuration/Ch1/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.73 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.583 W/kg

**SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.135 W/kg**

Maximum value of SAR (measured) = 0.466 W/kg



0 dB = 0.466 W/kg = -3.32 dBW/kg

**#07\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch58;Ant 1**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.090

Medium: HSL\_5G\_150906 Medium parameters used :  $f = 5290$  MHz;  $\sigma = 4.625$  S/m;  $\epsilon_r = 36.226$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(4.92, 4.92, 4.92); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch58/Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.174 W/kg

**Configuration/Ch58/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.694 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.00855 W/kg**

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



0 dB = 0.312 W/kg = -5.06 dBW/kg

**#08\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch138;Ant 1**

Communication System: 802.11ac ; Frequency: 5690 MHz;Duty Cycle: 1:1.090

Medium: HSL\_5G\_150906 Medium parameters used :  $f = 5690$  MHz;  $\sigma = 5.022$  S/m;  $\epsilon_r = 35.688$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(4.6, 4.6, 4.6); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch138/Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.502 W/kg

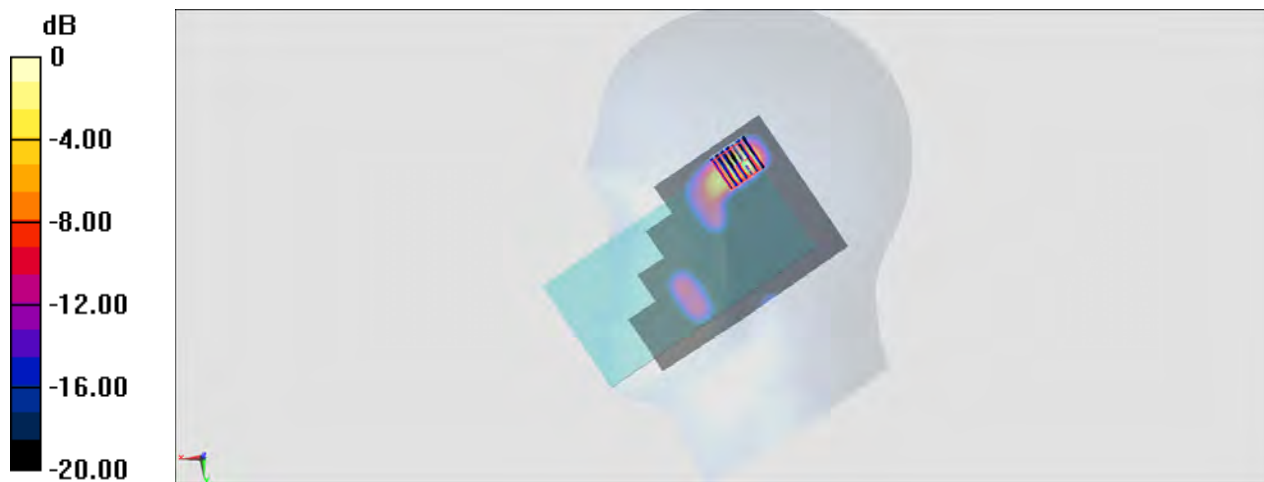
**Configuration/Ch138/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.46 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.882 W/kg

**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.057 W/kg**

Maximum value of SAR (measured) = 0.576 W/kg



0 dB = 0.576 W/kg = -2.40 dBW/kg

**#09\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Right Cheek\_Ch155;Ant 1**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.090

Medium: HSL\_5G\_150906 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.114$  S/m;  $\epsilon_r = 35.586$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(4.64, 4.64, 4.64); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch155/Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

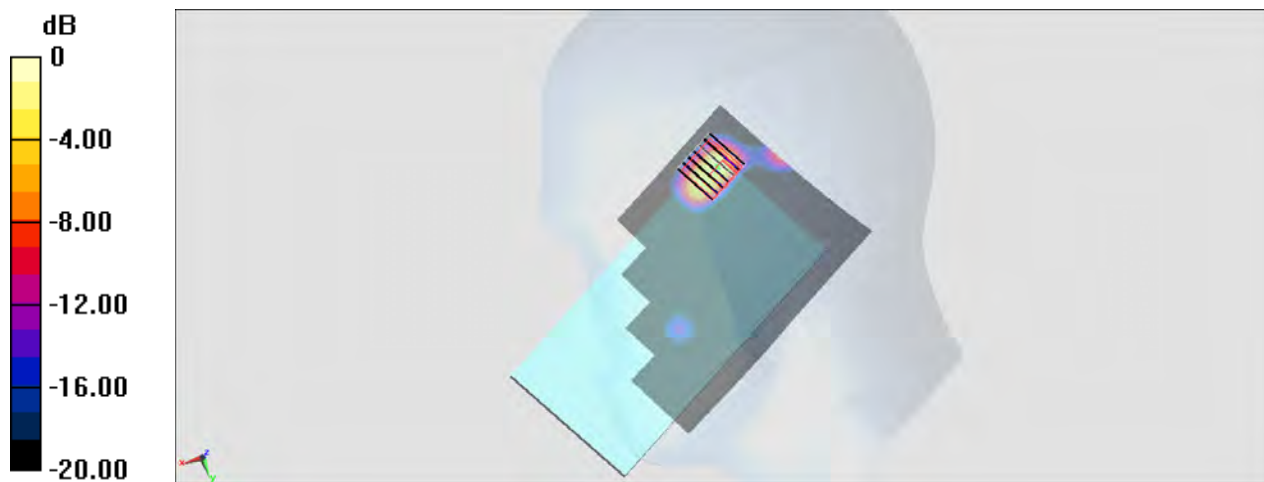
**Configuration/Ch155/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.241 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.754 W/kg

**SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.037 W/kg**

Maximum value of SAR (measured) = 0.517 W/kg



0 dB = 0.517 W/kg = -2.87 dBW/kg

**#10\_GSM850\_GPRS (4 Tx slots)\_Right Side\_10mm\_Ch251**

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

Medium: MSL\_850\_150904 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.995$  S/m;  $\epsilon_r = 55.271$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.01, 10.01, 10.01); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch251/Area Scan (41x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.496 W/kg

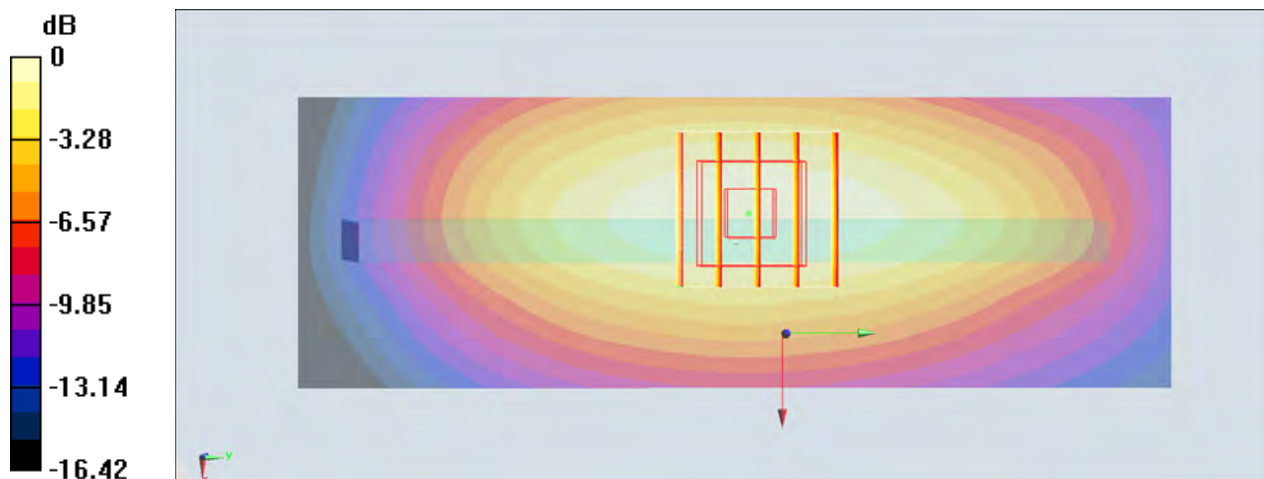
**Configuration/Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.33 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.569 W/kg

**SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.270 W/kg**

Maximum value of SAR (measured) = 0.503 W/kg



0 dB = 0.503 W/kg = -2.98 dBW/kg

**#11\_GSM1900\_GPRS (2 Tx slots)\_Bottom Side\_10mm\_Ch661**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium: MSL\_1900\_150903 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 54.331$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(7.93, 7.93, 7.93); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch661/Area Scan (41x71x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm  
Maximum value of SAR (interpolated) = 1.77 W/kg

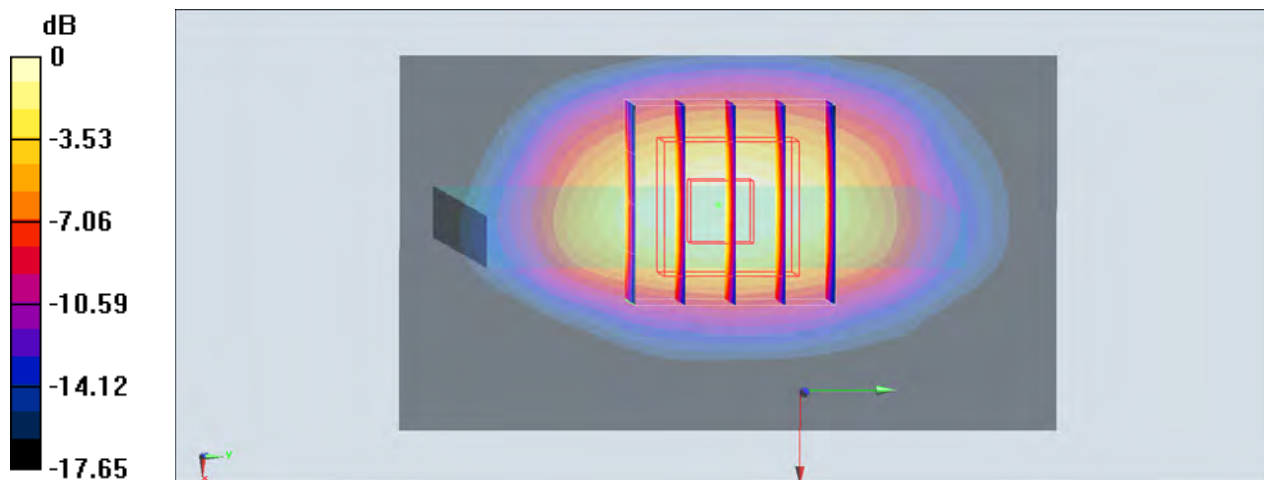
**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 34.30 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.567 W/kg**

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



0 dB = 1.58 W/kg = 1.99 dBW/kg

**#12\_WCDMA V\_RMC 12.2Kbps\_Right Side\_10mm\_Ch4233**

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

Medium: MSL\_850\_150904 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.994$  S/m;  $\epsilon_r = 55.278$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.01, 10.01, 10.01); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch4233/Area Scan (41x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.650 W/kg

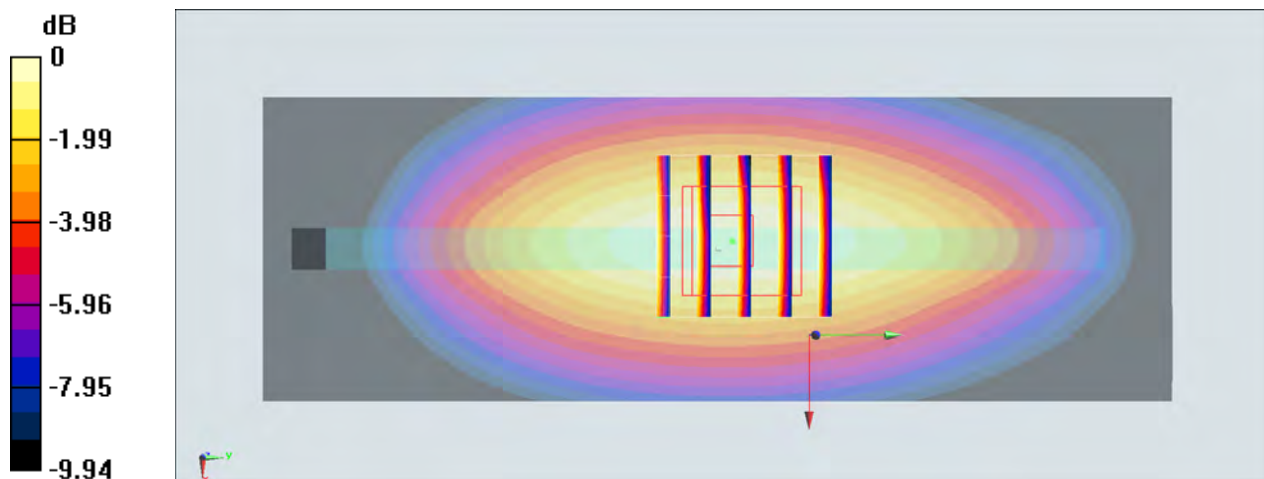
**Configuration/Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.56 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.722 W/kg

**SAR(1 g) = 0.497 W/kg; SAR(10 g) = 0.340 W/kg**

Maximum value of SAR (measured) = 0.644 W/kg



0 dB = 0.644 W/kg = -1.91 dBW/kg

**#13\_LTE Band 17\_10M\_QPSK\_1\_0\_Back\_10mm\_Ch23800**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_150904 Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.943$  S/m;  $\epsilon_r = 55.535$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.07, 10.07, 10.07); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch23800/Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

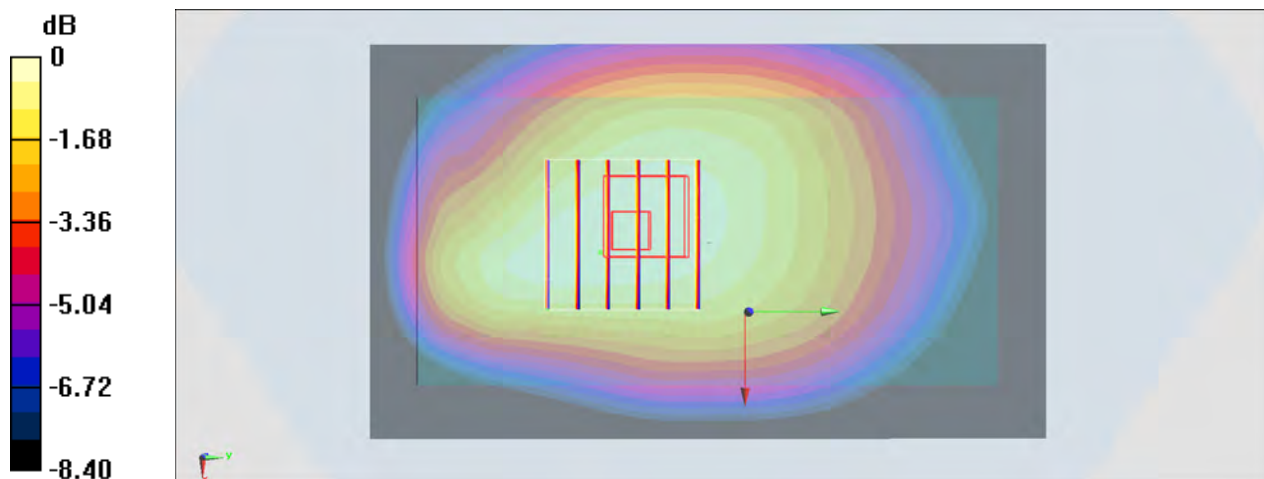
**Configuration/Ch23800/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.54 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.334 W/kg

**SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.205 W/kg**

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



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

**#14\_LTE Band 7\_20M\_QPSK\_50RB\_0Offset\_Back\_10mm\_Ch21100**

Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_150911 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.103$  S/m;  $\epsilon_r = 52.974$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3697; ConvF(6.63, 6.63, 6.63); Calibrated: 2014/9/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch21100/Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.602 W/kg

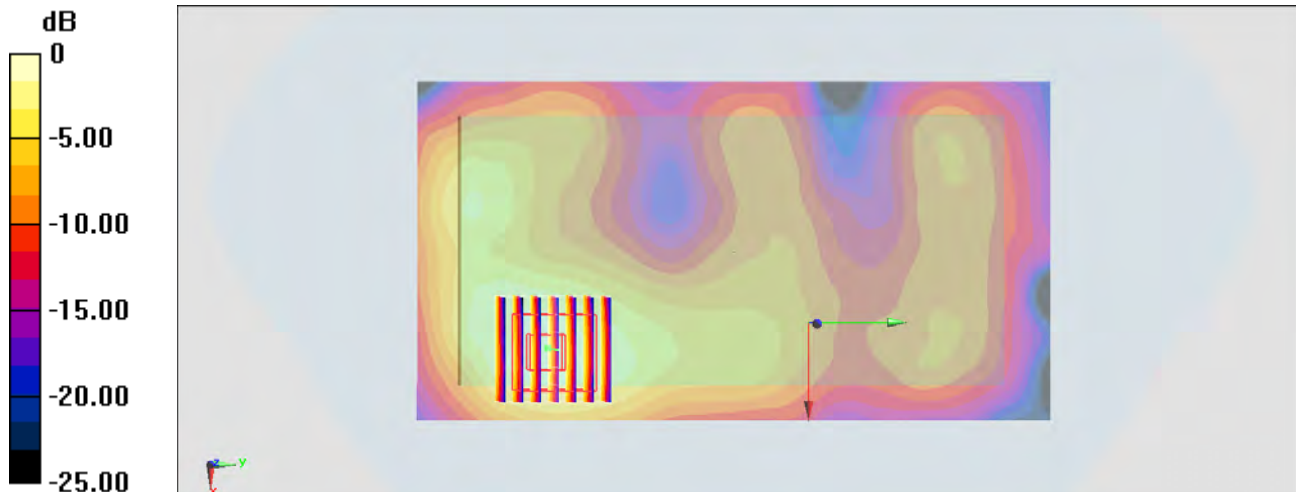
**Configuration/Ch21100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.40 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.755 W/kg

**SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.198 W/kg**

Maximum value of SAR (measured) = 0.602 W/kg



0 dB = 0.602 W/kg = -2.20 dBW/kg

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

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.011

Medium: MSL\_2450\_150905 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.915$  S/m;  $\epsilon_r = 51.703$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(7.33, 7.33, 7.33); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch1/Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.133 W/kg

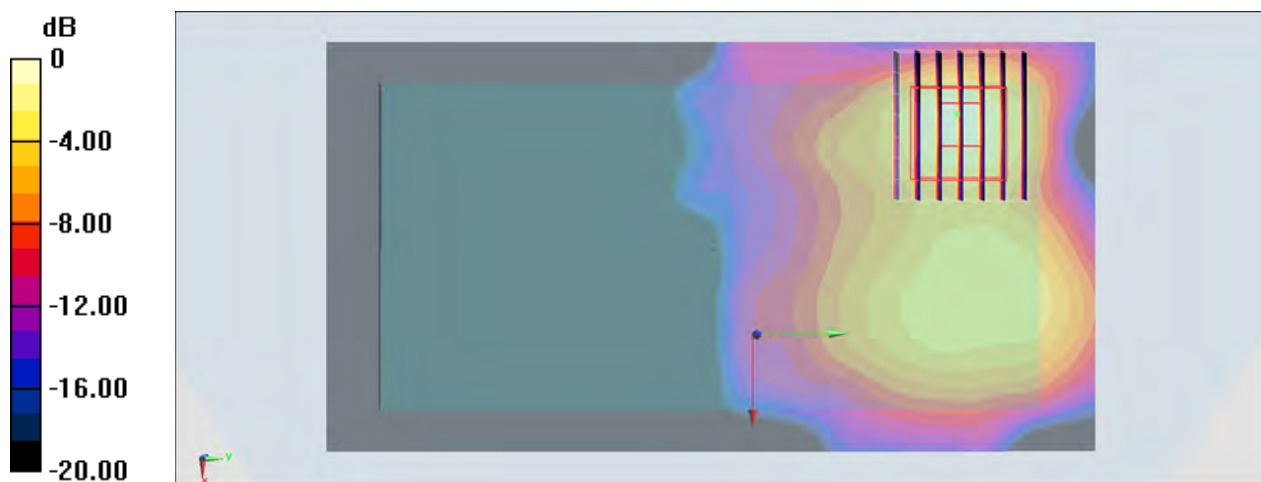
**Configuration/Ch1/Zoom Scan (8x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.043 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.039 W/kg**

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



0 dB = 0.146 W/kg = -8.36 dBW/kg

**#16\_GSM1900\_GPRS (4 Tx slots)\_Back\_0mm\_Ch810**

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

Medium: MSL\_1900 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3931; ConvF(7.8, 7.8, 7.8); Calibrated: 2014/9/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2014/10/6
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

**Ch810/Area Scan (61x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 12.6 mW/g

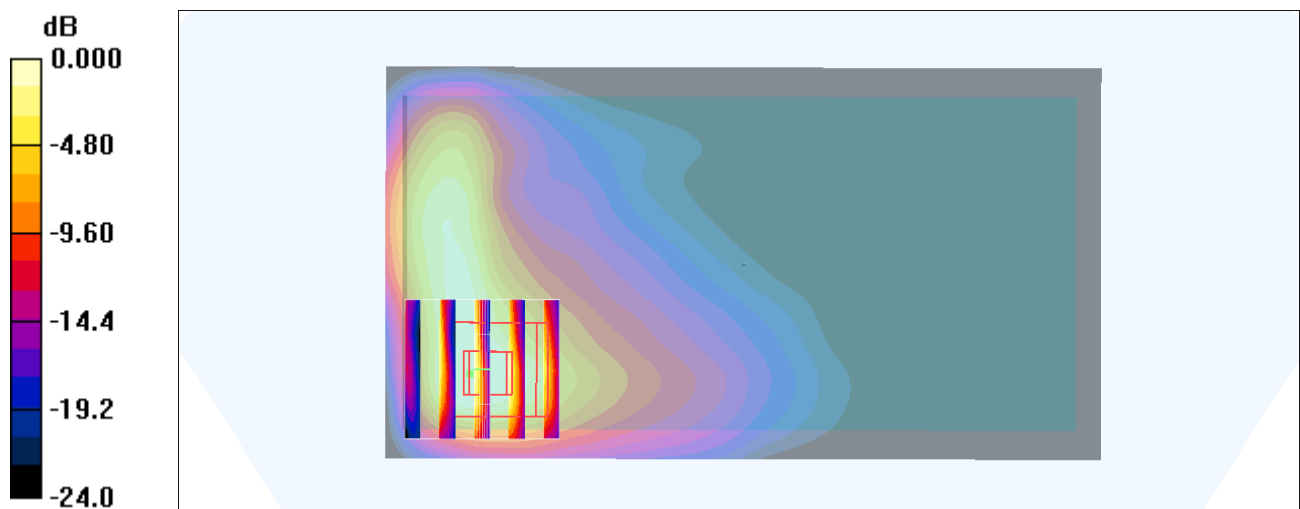
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 62.4 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 12.2 W/kg

**SAR(1 g) = 5.32 mW/g; SAR(10 g) = 2.42 mW/g**

Maximum value of SAR (measured) = 7.43 mW/g



0 dB = 7.43mW/g

**#17\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch58;Ant 0**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.088

Medium: MSL\_5G\_150924 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 5.251$  S/m;  $\epsilon_r = 47.275$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3943; ConvF(4.11, 4.11, 4.11); Calibrated: 2015/1/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch58/Area Scan (121x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

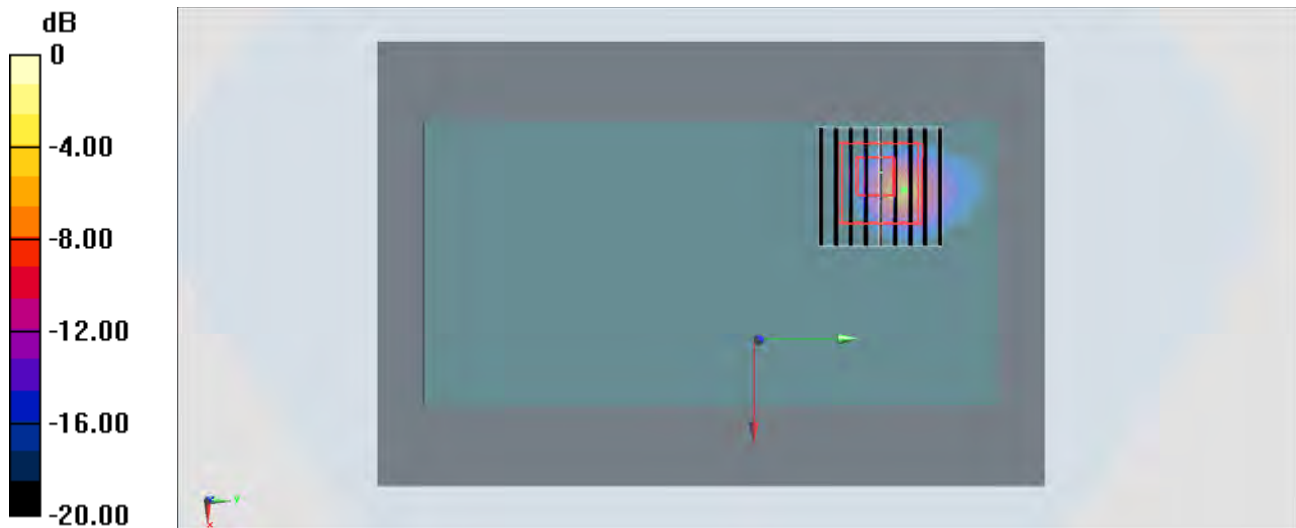
**Configuration/Ch58/Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 17.23 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 16.7 W/kg

**SAR(1 g) = 1.92 W/kg; SAR(10 g) = 0.340 W/kg**

Maximum value of SAR (measured) = 7.80 W/kg



0 dB = 7.80 W/kg = 8.92 dBW/kg

**#18\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch138;Ant 0**

Communication System: 802.11ac; Frequency: 5690 MHz; Duty Cycle: 1:1.088

Medium: MSL\_5G\_150924 Medium parameters used:  $f = 5690$  MHz;  $\sigma = 5.806$  S/m;  $\epsilon_r = 46.701$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3943; ConvF(3.8, 3.8, 3.8); Calibrated: 2015/1/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch138/Area Scan (121x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 5.85 W/kg

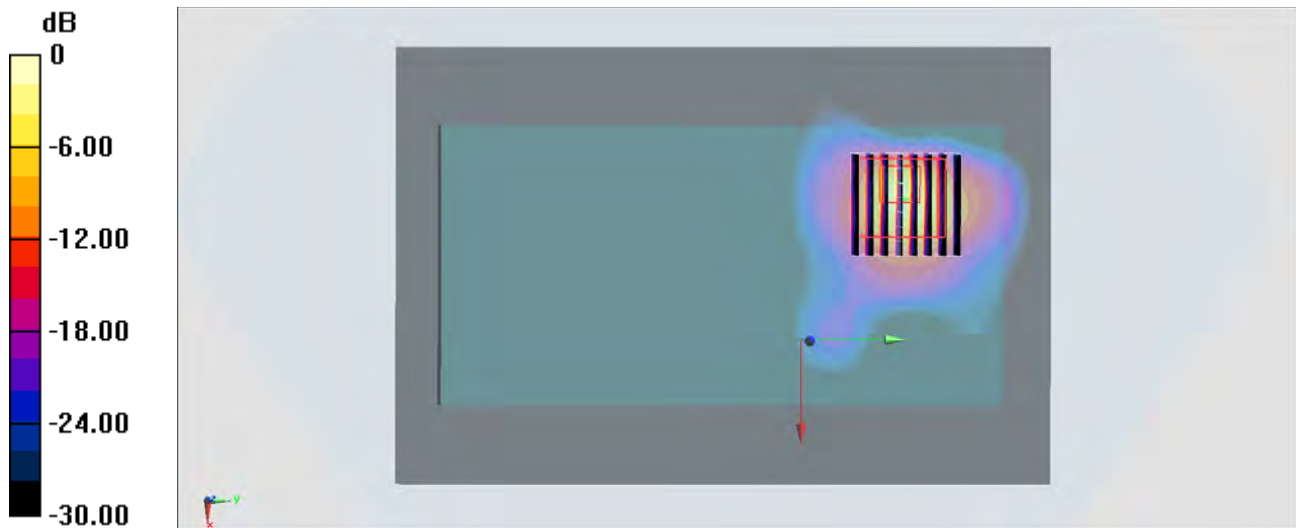
**Configuration/Ch138/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 28.78 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 16.8 W/kg

**SAR(1 g) = 2.62 W/kg; SAR(10 g) = 0.573 W/kg**

Maximum value of SAR (measured) = 8.73 W/kg



**#19\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_0mm\_Ch155;Ant 0**

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.088

Medium: MSL\_5G\_150924 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.97$  S/m;  $\epsilon_r = 46.626$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3943; ConvF(4, 4, 4); Calibrated: 2015/1/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: SAM\_Right; Type: QD000P40CD; Serial: S/N:1801
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch155/Area Scan (121x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 4.26 W/kg

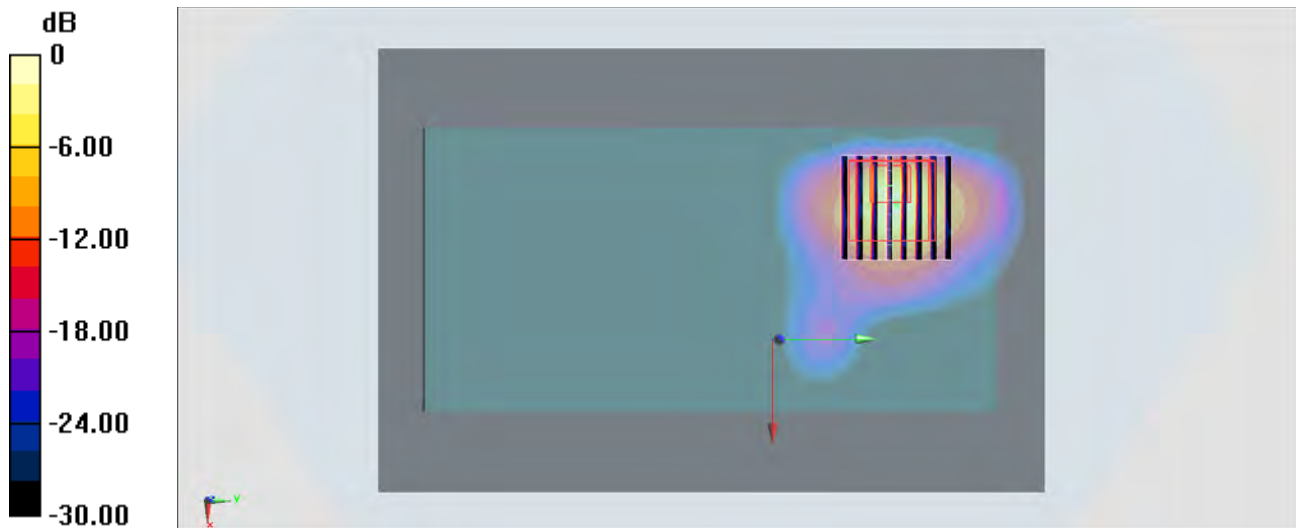
**Configuration/Ch155/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 24.70 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 12.6 W/kg

**SAR(1 g) = 1.9 W/kg; SAR(10 g) = 0.420 W/kg**

Maximum value of SAR (measured) = 5.68 W/kg



0 dB = 5.68 W/kg = 7.54 dBW/kg

**#20\_GSM850\_GPRS (4 Tx slots)\_Front\_15mm\_Ch251**

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

Medium: MSL\_850\_150904 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.995$  S/m;  $\epsilon_r = 55.271$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.01, 10.01, 10.01); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch251/Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.290 W/kg

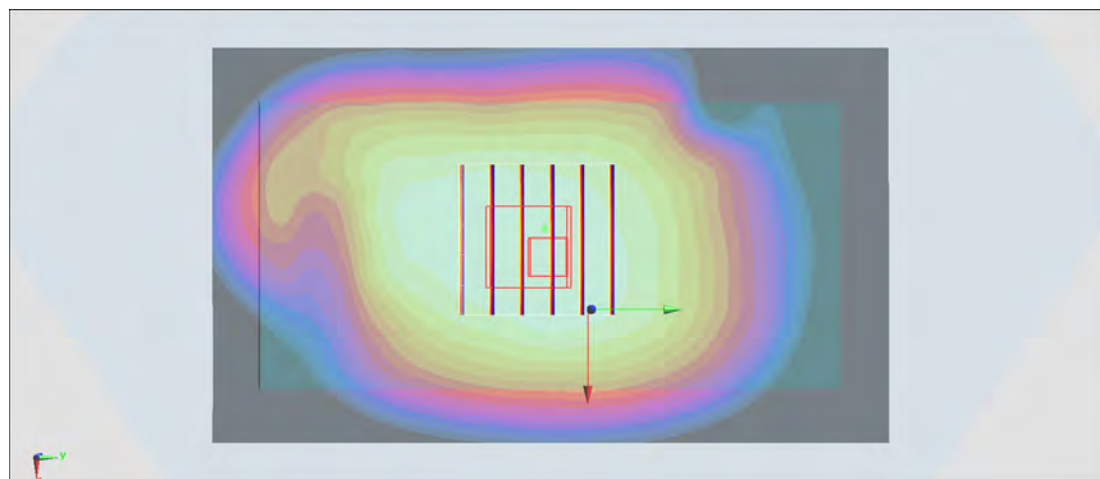
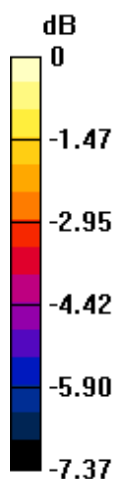
**Configuration/Ch251/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.59 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.312 W/kg

**SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.192 W/kg**

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



0 dB = 0.288 W/kg = -5.41 dBW/kg

**#1\_GSM1900\_GPRS (4 Tx slots)\_Back\_15mm\_Ch661**

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

Medium: MSL\_1900\_150903 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 54.331$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(7.93, 7.93, 7.93); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch661/Area Scan (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.488 W/kg

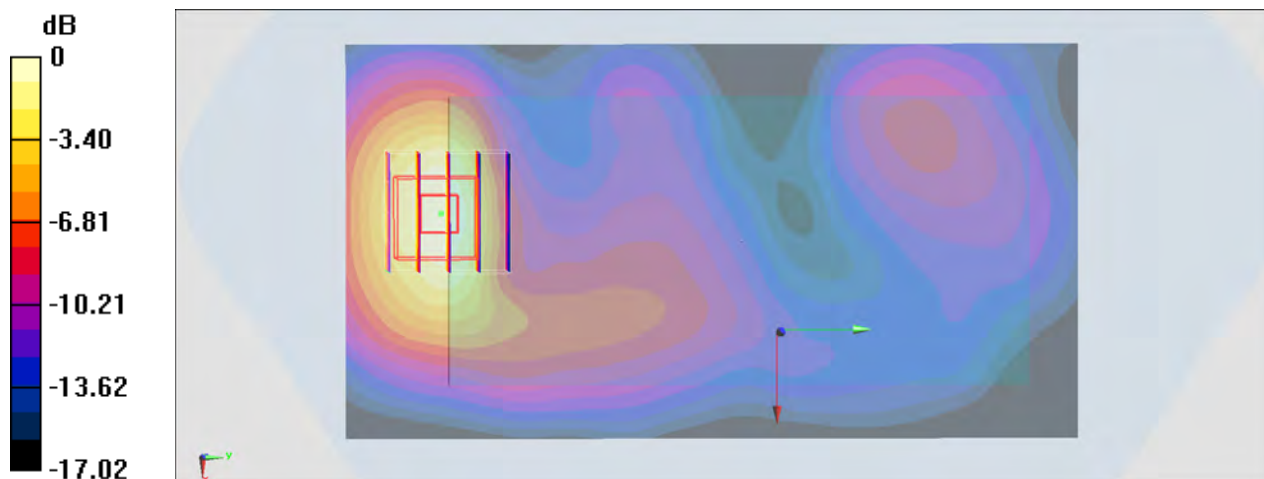
**Configuration/Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.48 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.540 W/kg

**SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.194 W/kg**

Maximum value of SAR (measured) = 0.462 W/kg



0 dB = 0.462 W/kg = -3.35 dBW/kg

**#22\_WCDMA V\_RMC 12.2Kbps\_Front\_15mm\_Ch4233**

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

Medium: MSL\_850\_150904 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.994$  S/m;  $\epsilon_r = 55.278$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.01, 10.01, 10.01); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.360 W/kg

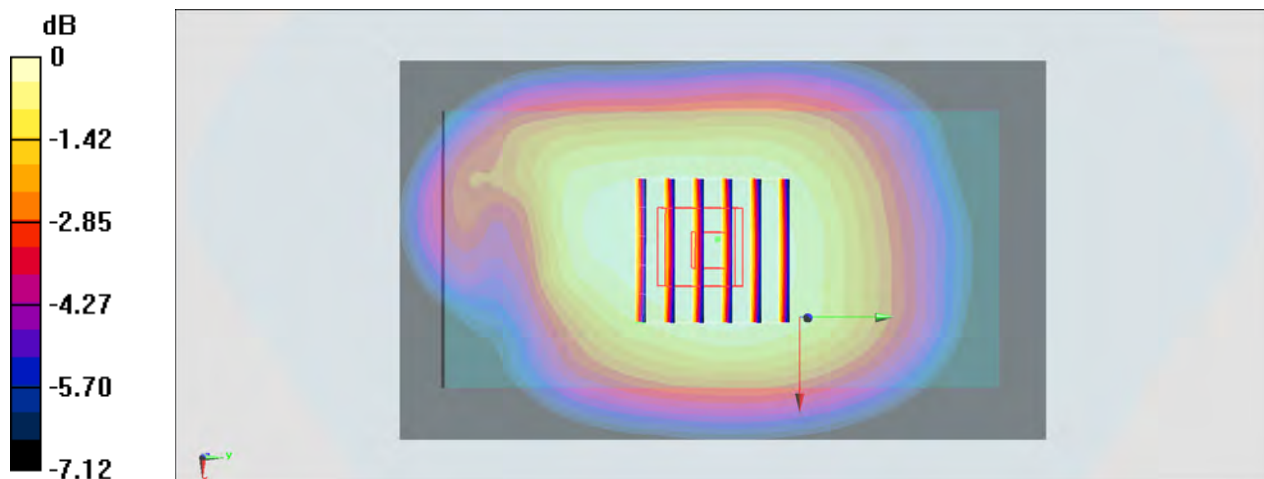
**Configuration/Ch4233/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.68 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.387 W/kg

**SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.241 W/kg**

Maximum value of SAR (measured) = 0.359 W/kg



0 dB = 0.359 W/kg = -4.45 dBW/kg

**#23\_LTE Band 17\_10M\_QPSK\_1\_0\_Back\_15mm\_Ch23800**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_150904 Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.943$  S/m;  $\epsilon_r = 55.535$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(10.07, 10.07, 10.07); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Right; Type: QD000P40CC; Serial: TP:1383
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch23800/Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.273 W/kg

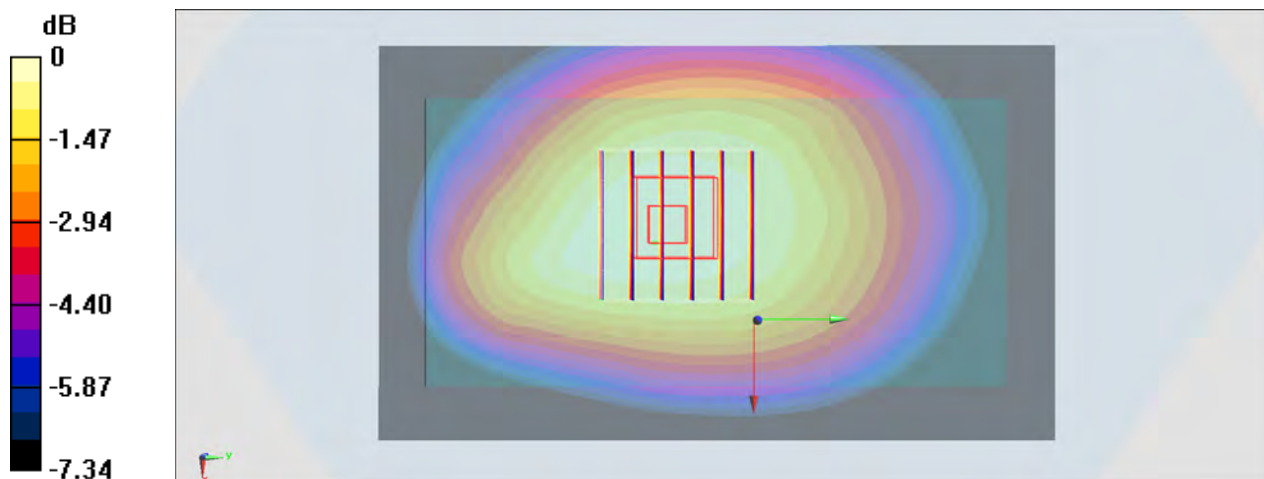
**Configuration/Ch23800/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.83 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.295 W/kg

**SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.187 W/kg**

Maximum value of SAR (measured) = 0.274 W/kg



0 dB = 0.274 W/kg = -5.62 dBW/kg

**#24\_LTE Band 7\_20M\_QPSK\_50RB\_0Offset\_Back\_15mm\_Ch21100**

Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: MSL\_2600\_150911 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.103$  S/m;  $\epsilon_r = 52.974$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN3697; ConvF(6.63, 6.63, 6.63); Calibrated: 2014/9/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- Phantom: SAM\_RIGHT; Type: QD000P40CD; Serial: 1719
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch21100/Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.272 W/kg

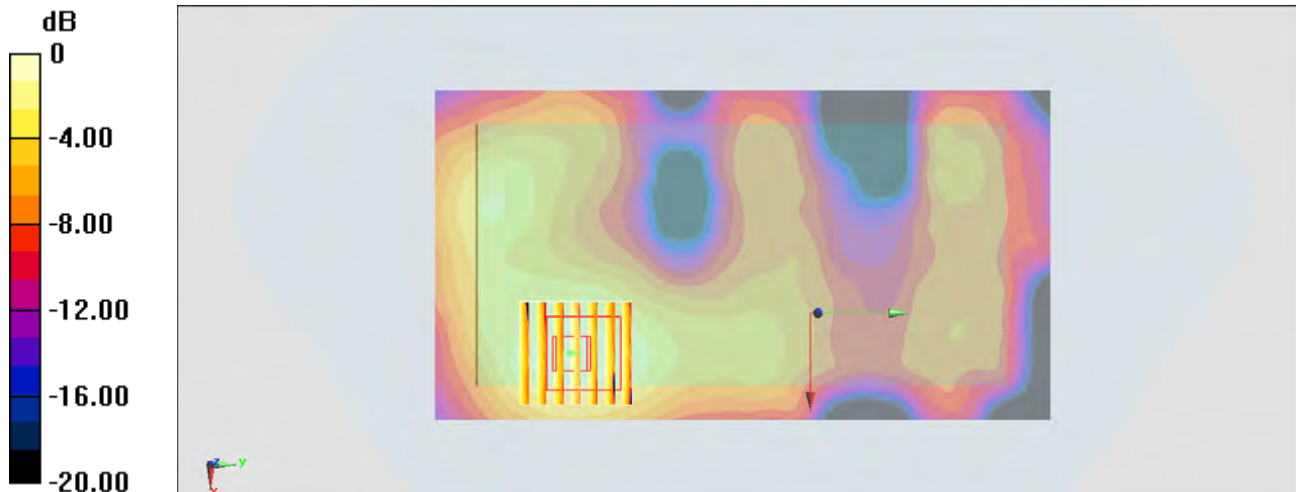
**Configuration/Ch21100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.55 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.325 W/kg

**SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.091 W/kg**

Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.272 W/kg = -5.65 dBW/kg

**#25\_WLAN2.4GHz\_802.11b 1Mbps\_Back\_15mm\_Ch1;Ant 0**

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.011

Medium: MSL\_2450\_150905 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.915$  S/m;  $\epsilon_r = 51.703$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(7.33, 7.33, 7.33); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch1/Area Scan (81x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.0583 W/kg

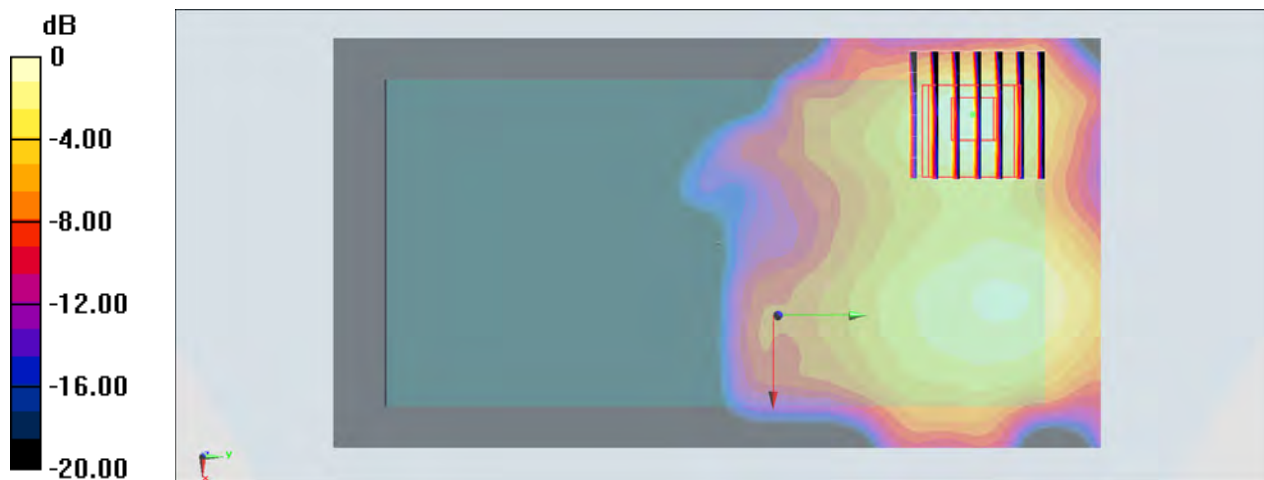
**Configuration/Ch1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.867 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.0780 W/kg

**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.018 W/kg**

Maximum value of SAR (measured) = 0.0625 W/kg



**#26\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_15mm\_Ch58;Ant 0**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.088

Medium: MSL\_5G\_150905 Medium parameters used :  $f = 5290$  MHz;  $\sigma = 5.564$  S/m;  $\epsilon_r = 48.192$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(4.15, 4.15, 4.15); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch58/Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0503 W/kg

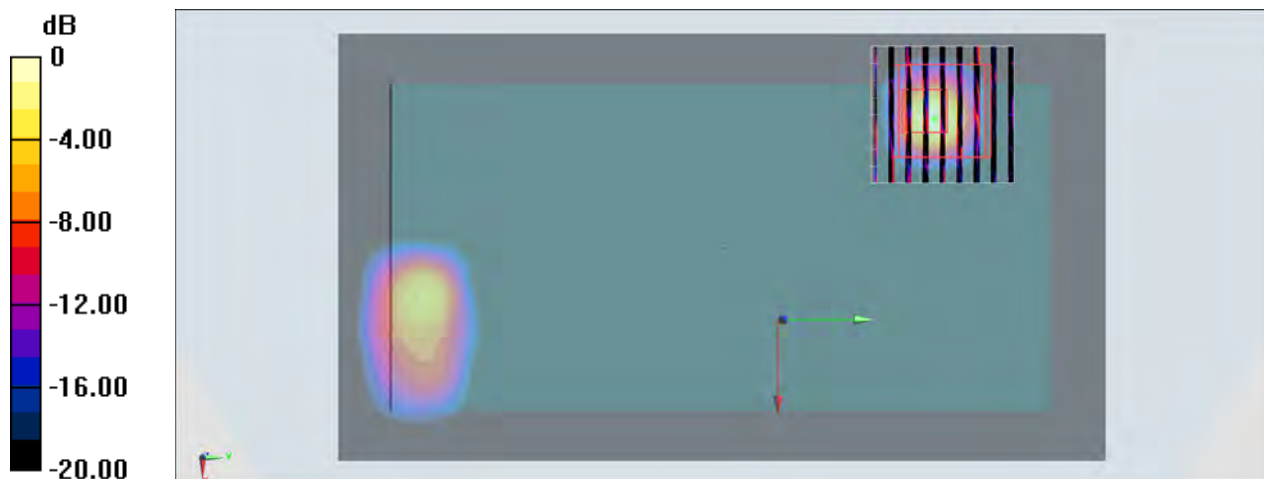
**Configuration/Ch58/Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.341 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.165 W/kg

**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00336 W/kg**

Maximum value of SAR (measured) = 0.0558 W/kg



0 dB = 0.0558 W/kg = -12.53 dBW/kg

**#27\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_15mm\_Ch138;Ant 0**

Communication System: 802.11ac; Frequency: 5690 MHz; Duty Cycle: 1:1.088

Medium: MSL\_5G\_150906 Medium parameters used :  $f = 5690$  MHz;  $\sigma = 6.04$  S/m;  $\epsilon_r = 46.781$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(3.74, 3.74, 3.74); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch138/Area Scan (101x181x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

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

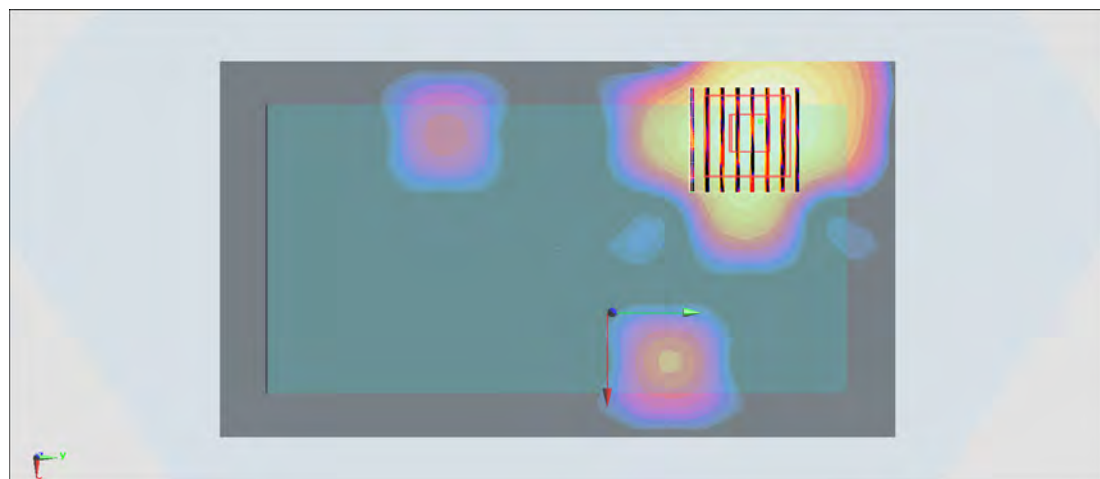
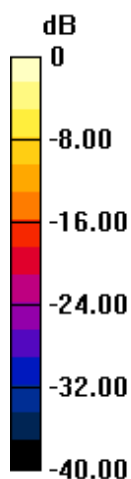
**Configuration/Ch138/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 5.827 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.905 W/kg

**SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.022 W/kg**

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



0 dB = 0.197 W/kg = -7.06 dBW/kg

**#28\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Back\_15mm\_Ch155;Ant 0**

Communication System: 802.11ac ; Frequency: 5775 MHz;Duty Cycle: 1:1.088

Medium: MSL\_5G\_150906 Medium parameters used :  $f = 5775$  MHz;  $\sigma = 6.15$  S/m;  $\epsilon_r = 46.623$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3954; ConvF(3.96, 3.96, 3.96); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- Phantom: SAM\_Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

**Configuration/Ch155/Area Scan (101x181x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.189 W/kg

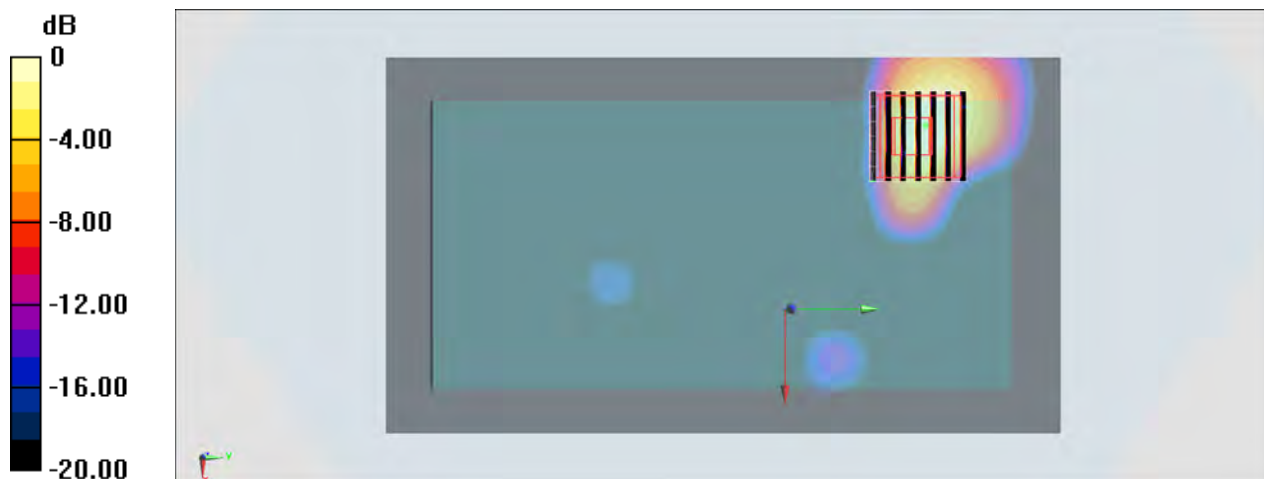
**Configuration/Ch155/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 5.372 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.232 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.019 W/kg**

Maximum value of SAR (measured) = 0.153 W/kg



0 dB = 0.153 W/kg = -8.15 dBW/kg