



Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

#01_GSM850_GPRS (4 Tx slots)_Left Cheek_Ch189

Communication System: GPRS/EDGE (4 Tx slots) (0); Frequency: 836.4 MHz; Duty Cycle: 1:2.08
Medium: HSL_835_150217 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.886$ mho/m; $\epsilon_r =$

41.069; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.41, 9.41, 9.41); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.604 mW/g

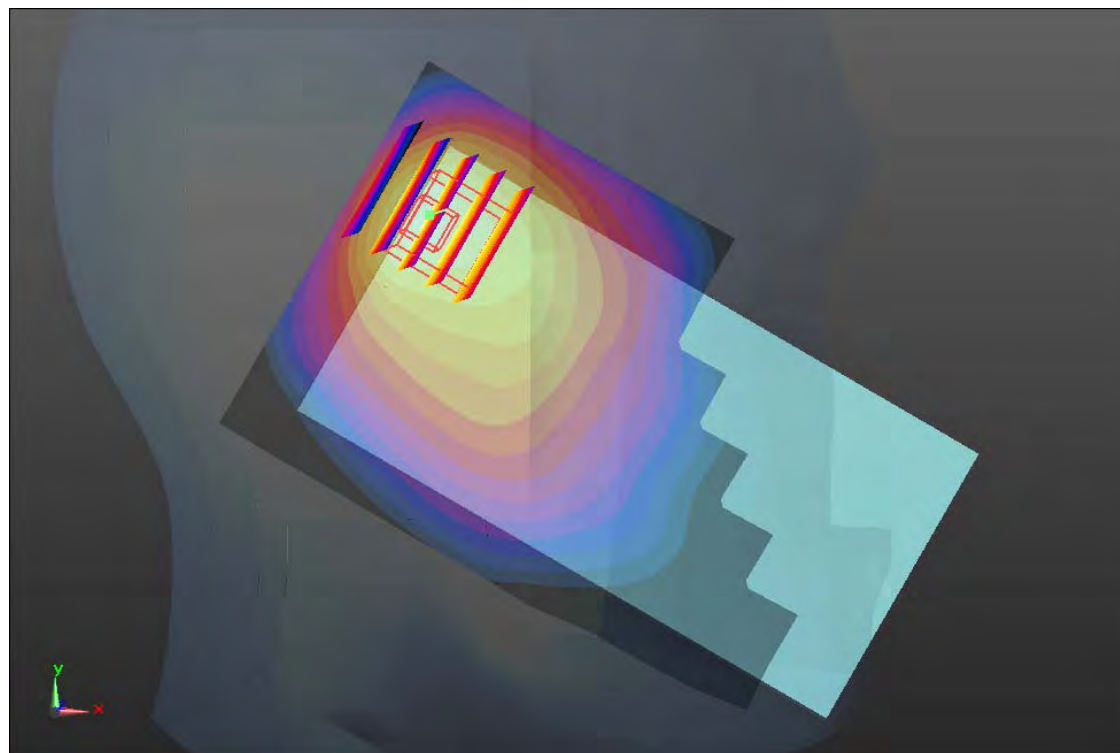
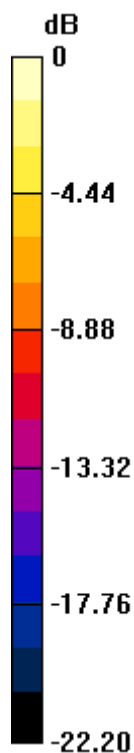
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.682 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.260 W/kg

SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.507 mW/g

Maximum value of SAR (measured) = 1.545 mW/g



0 dB = 1.540mW/g

#02_GSM1900_GPRS (4 Tx slots)_Left Cheek_Ch810

Communication System: GPRS/EDGE (4 Tx slots) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.08
Medium: HSL_1900_150216 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.123; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.4, 8.4, 8.4); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch661/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.697 mW/g

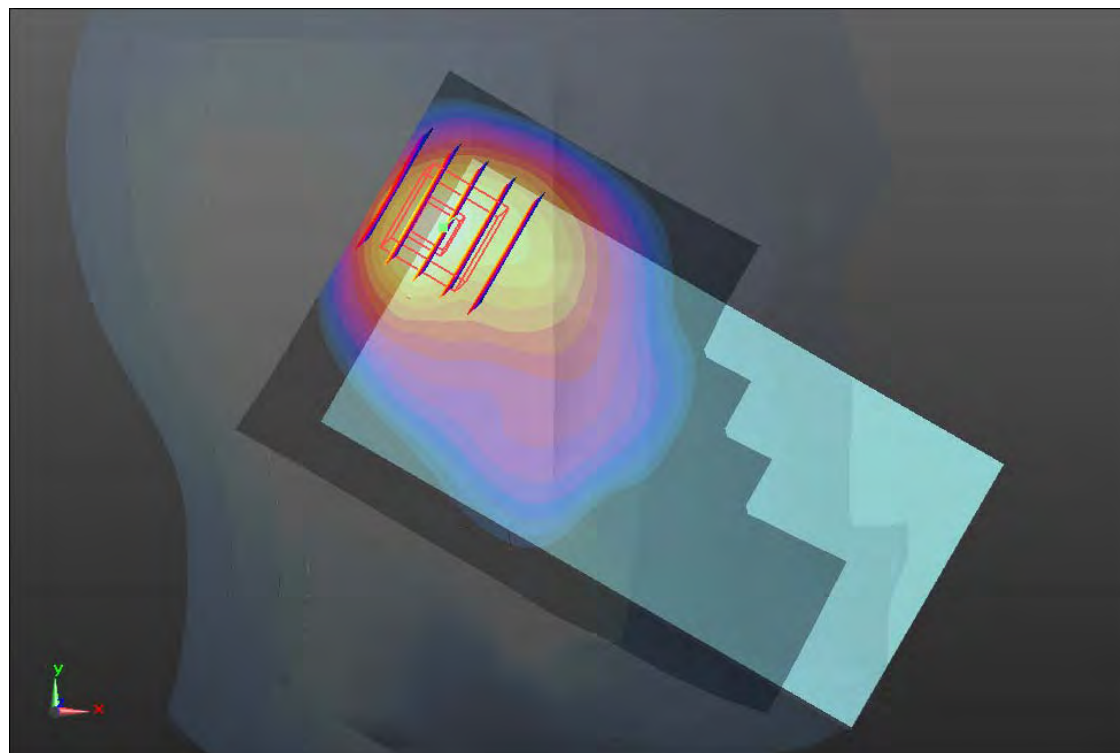
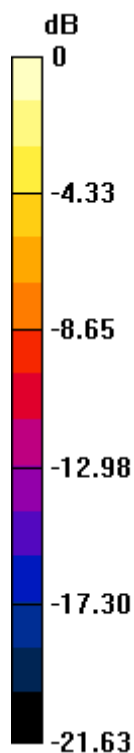
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.815 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.149 W/kg

SAR(1 g) = 1.040 mW/g; SAR(10 g) = 0.479 mW/g

Maximum value of SAR (measured) = 1.657 mW/g



0 dB = 1.660mW/g

#03_WCDMA Band V_RMC12.2Kbps_Left Cheek_Ch4132

Communication System: UMTS (0); Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL_835_150217 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.877$ mho/m; $\epsilon_r =$

41.186; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.41, 9.41, 9.41); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.667 mW/g

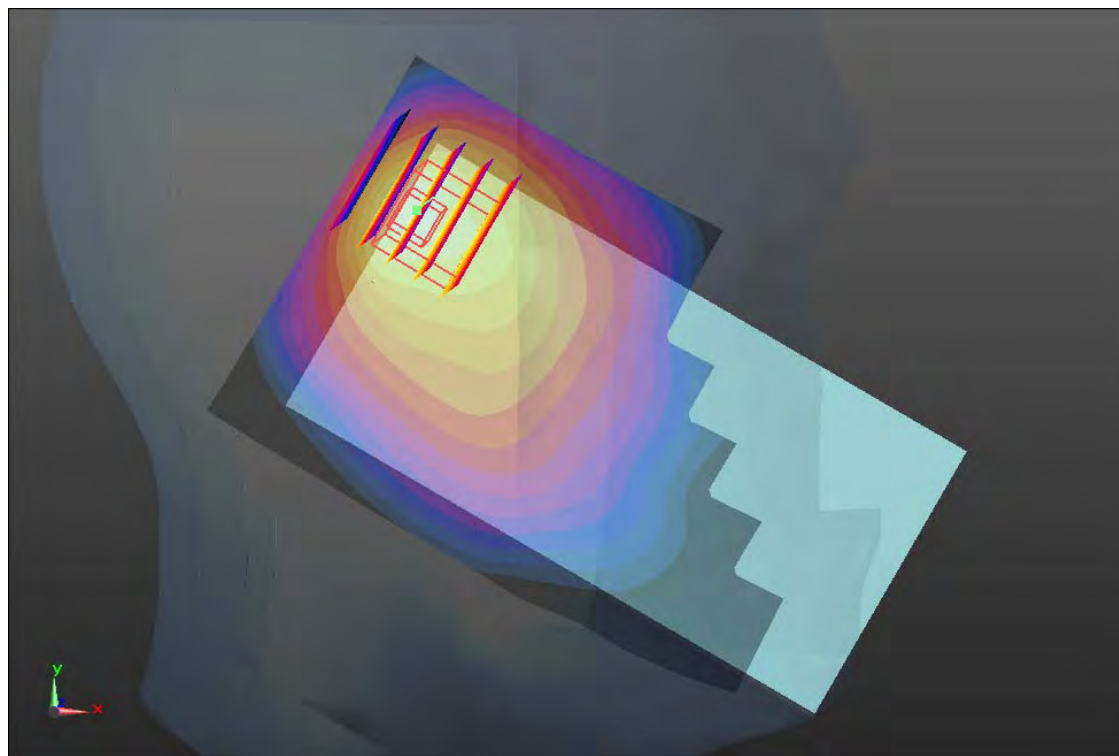
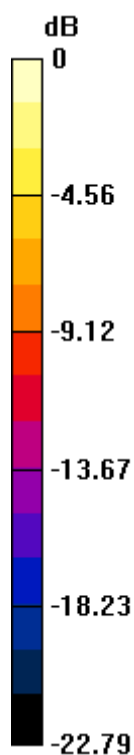
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.218 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.537 W/kg

SAR(1 g) = 1.010 mW/g; SAR(10 g) = 0.519 mW/g

Maximum value of SAR (measured) = 1.687 mW/g



0 dB = 1.690mW/g

#04_WCDMA Band II_RMC12.2Kbps_Left Cheek_Ch9538

Communication System: UMTS (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL_1900_150216 Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.433$ mho/m; $\epsilon_r =$

38.999; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.4, 8.4, 8.4); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.022 mW/g

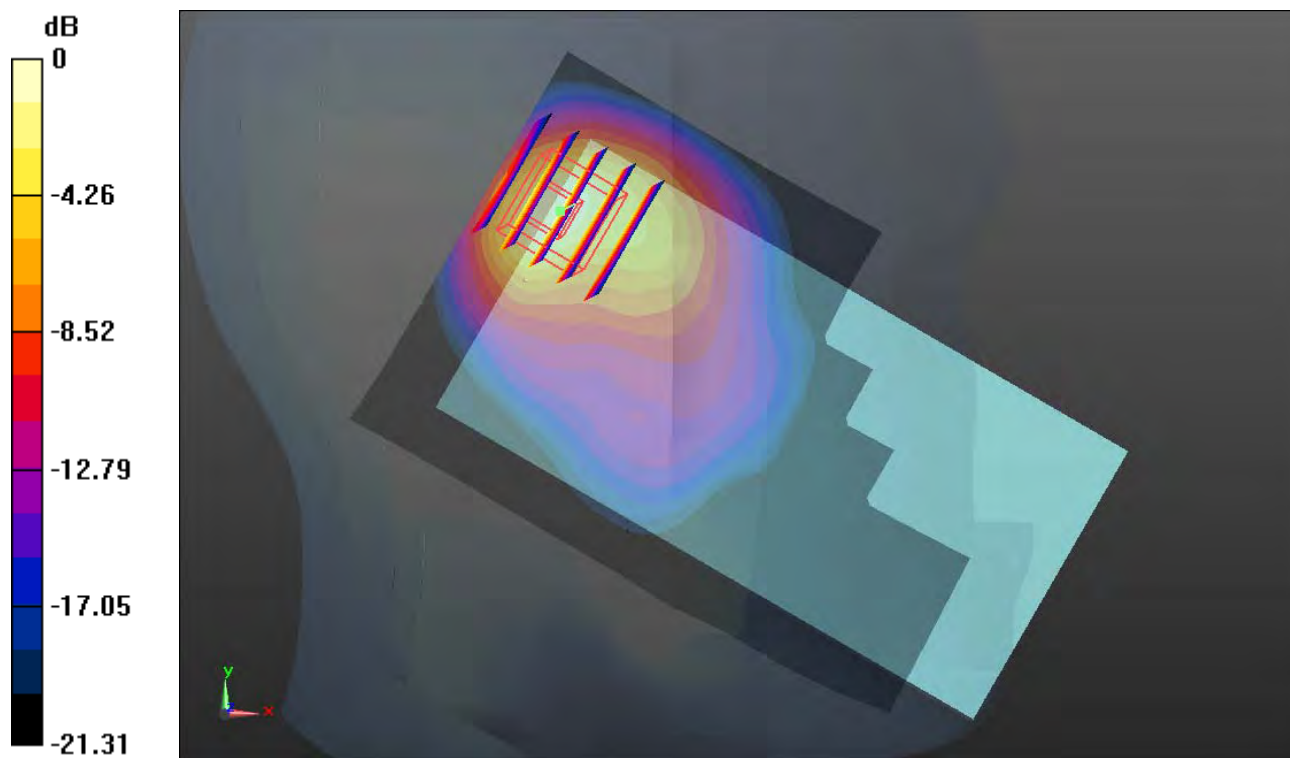
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.245 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.597 W/kg

SAR(1 g) = 1.250 mW/g; SAR(10 g) = 0.577 mW/g

Maximum value of SAR (measured) = 1.998 mW/g



0 dB = 2.000mW/g

#05_LTE Band 4_20M_QPSK(50,0)_Left Cheek_Ch20300

Communication System: FDD_LTE (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL_1750_150217 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.393$ mho/m; $\epsilon_r =$

41.394; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.55, 8.55, 8.55); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.808 mW/g

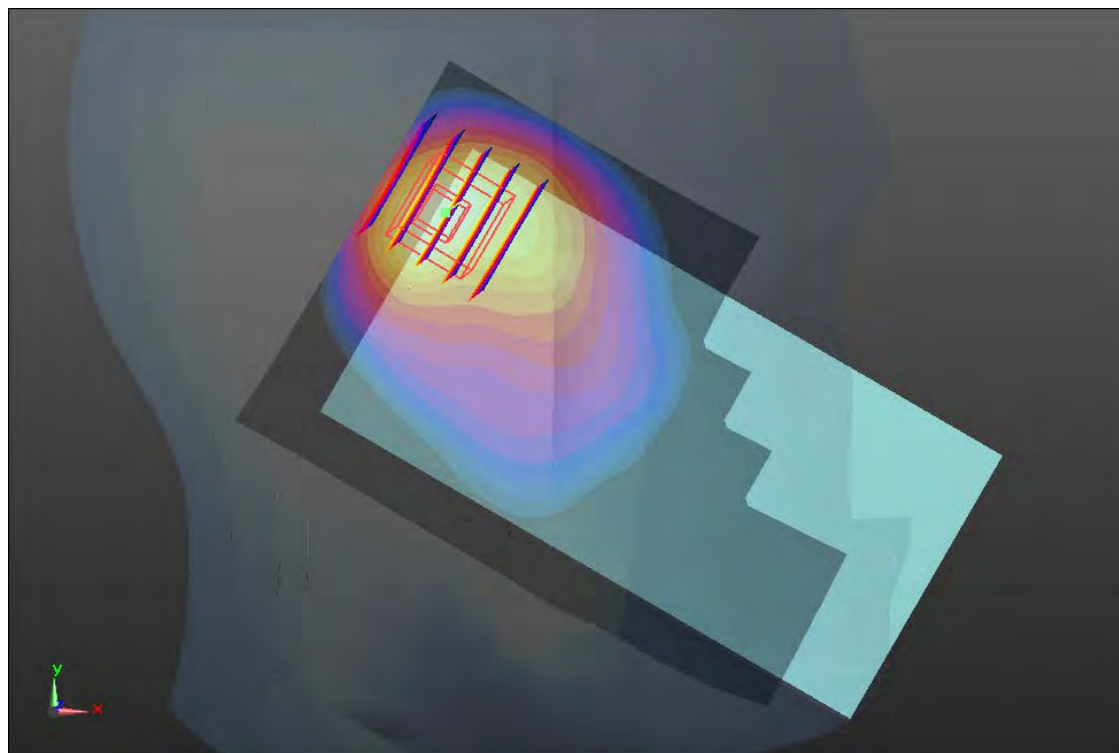
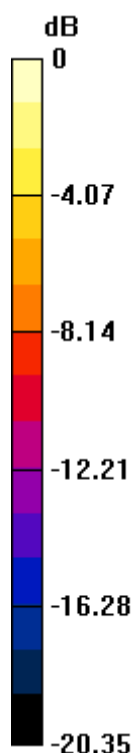
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.624 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.307 W/kg

SAR(1 g) = 1.120 mW/g; SAR(10 g) = 0.540 mW/g

Maximum value of SAR (measured) = 1.764 mW/g



0 dB = 1.760mW/g

#06_LTE Band 2_20M_QPSK(50,0)_Left Cheek_Ch18900

Communication System: FDD_LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL_1900_150216 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.123 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.4, 8.4, 8.4); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.322 mW/g

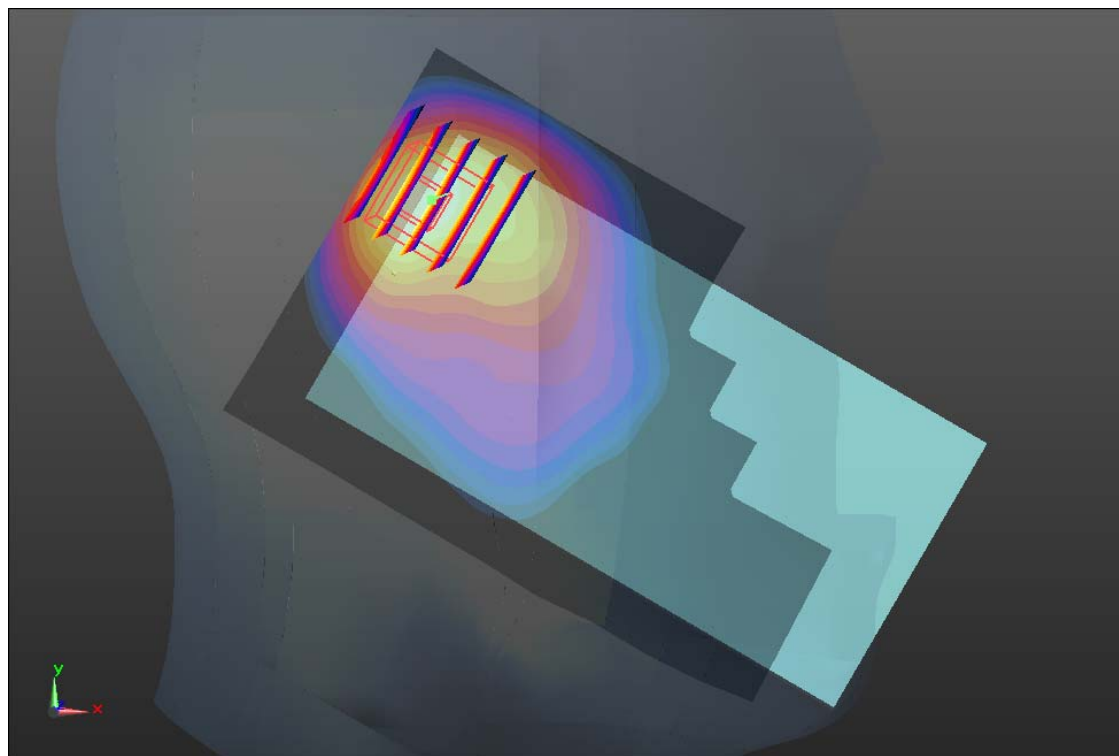
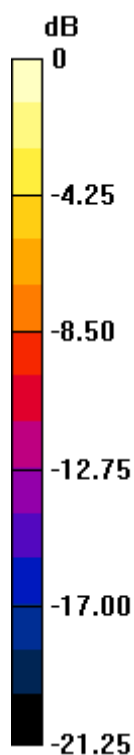
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.277 V/m; Power Drift = -0.0024 dB

Peak SAR (extrapolated) = 1.621 W/kg

SAR(1 g) = 0.776 mW/g; SAR(10 g) = 0.356 mW/g

Maximum value of SAR (measured) = 1.212 mW/g



0 dB = 1.210mW/g

#07_LTE Band 7_20M_QPSK(100,0)_Left Tilted_Ch21100

Communication System: FDD_LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: HSL_2600_150224 Medium parameters used: $f = 2535$ MHz; $\sigma = 1.917$ mho/m; $\epsilon_r =$

38.53; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.3, 7.3, 7.3); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch21100/Area Scan (81x161x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 1.597 mW/g

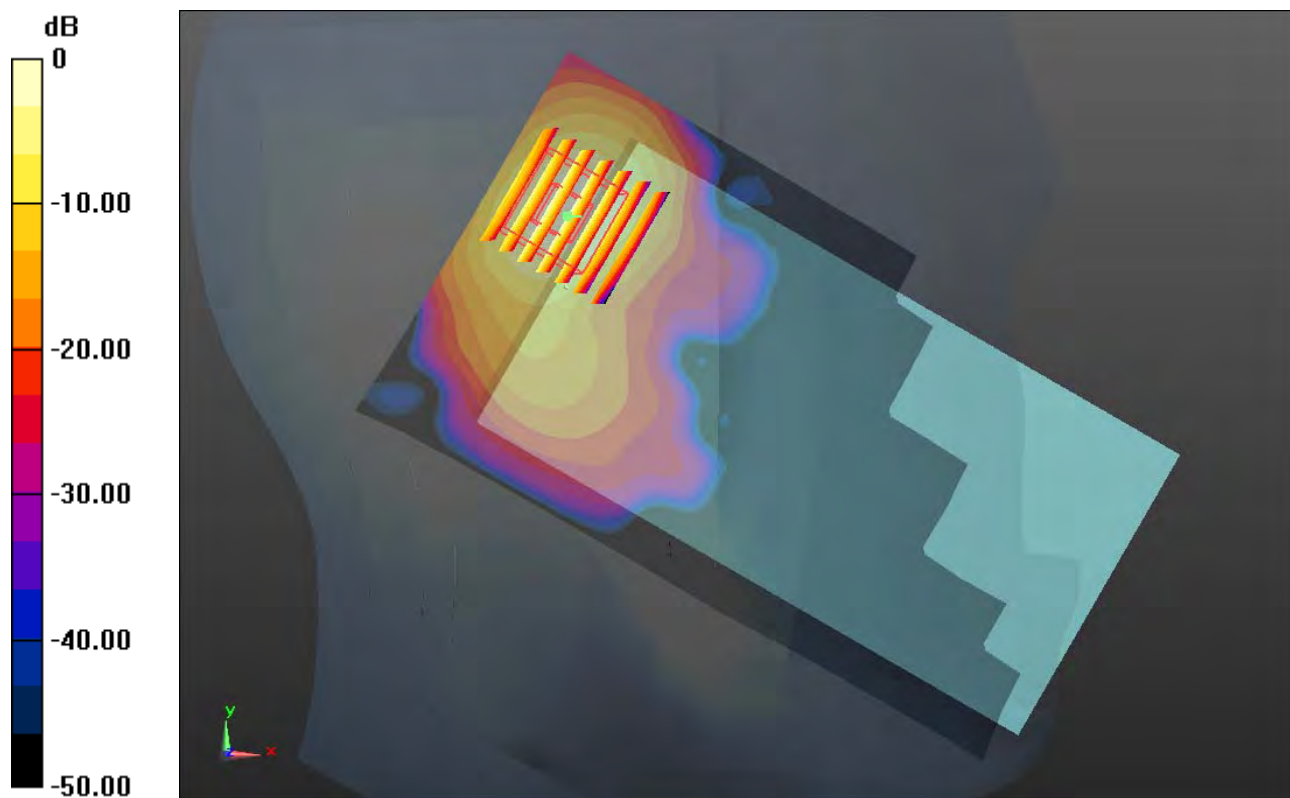
Ch21100/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.853 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 2.641 W/kg

SAR(1 g) = 1.060 mW/g; SAR(10 g) = 0.399 mW/g

Maximum value of SAR (measured) = 1.807 mW/g



0 dB = 1.810mW/g

#08_WLAN 2.4GHz_802.11b_1MbpsLeft Cheek_Ch11

Communication System: WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1.024

Medium: HSL_2450_150227 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.833$ mho/m; $\epsilon_r =$

39.166; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.48, 7.48, 7.48); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (81x161x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 1.849 mW/g

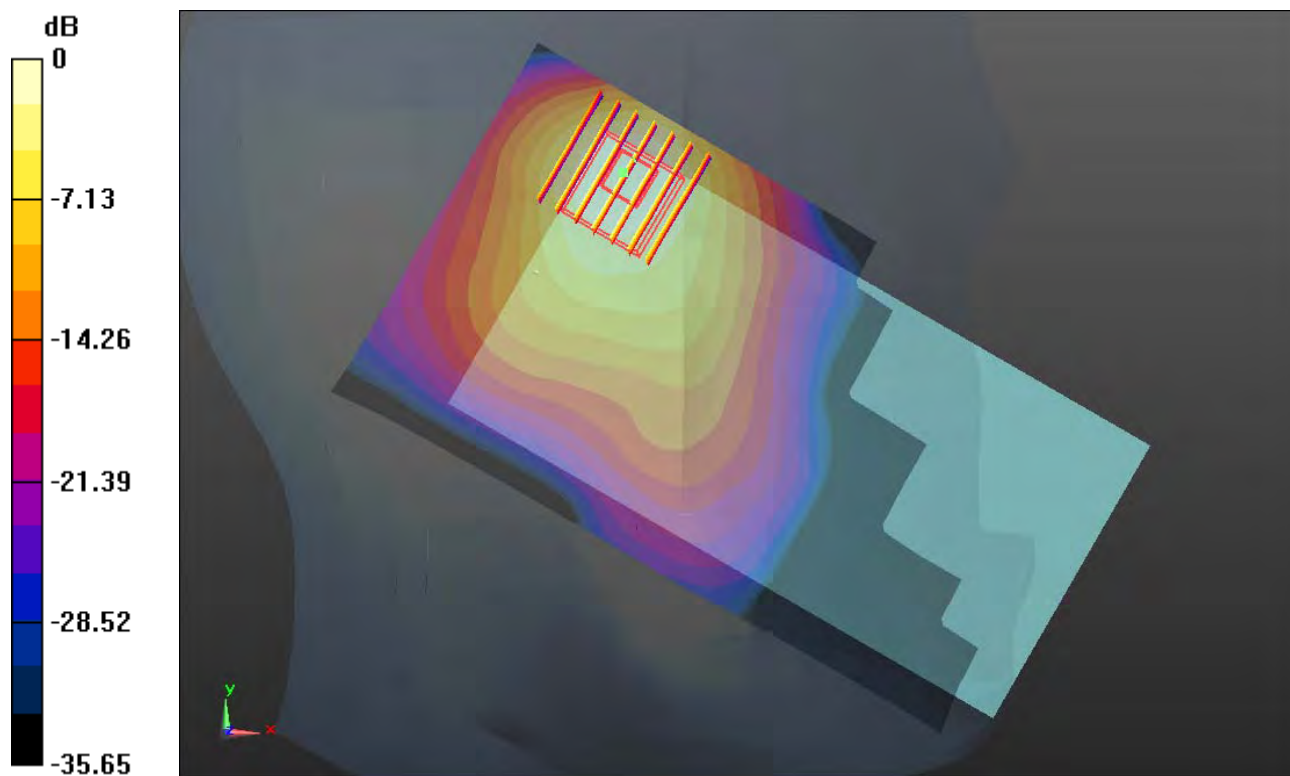
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.305 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.328 W/kg

SAR(1 g) = 0.974 mW/g; SAR(10 g) = 0.471 mW/g

Maximum value of SAR (measured) = 1.487 mW/g



0 dB = 1.490mW/g

#09_WLAN 5.2GHz_802.11a_6Mbps_Left Cheek_Ch48

Communication System: WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1.146

Medium: HSL_5000_150303 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.836$ mho/m; $\epsilon_r =$

35.371; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.35, 5.35, 5.35); Calibrated: 2014.05.23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch48/Area Scan (101x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.957 mW/g

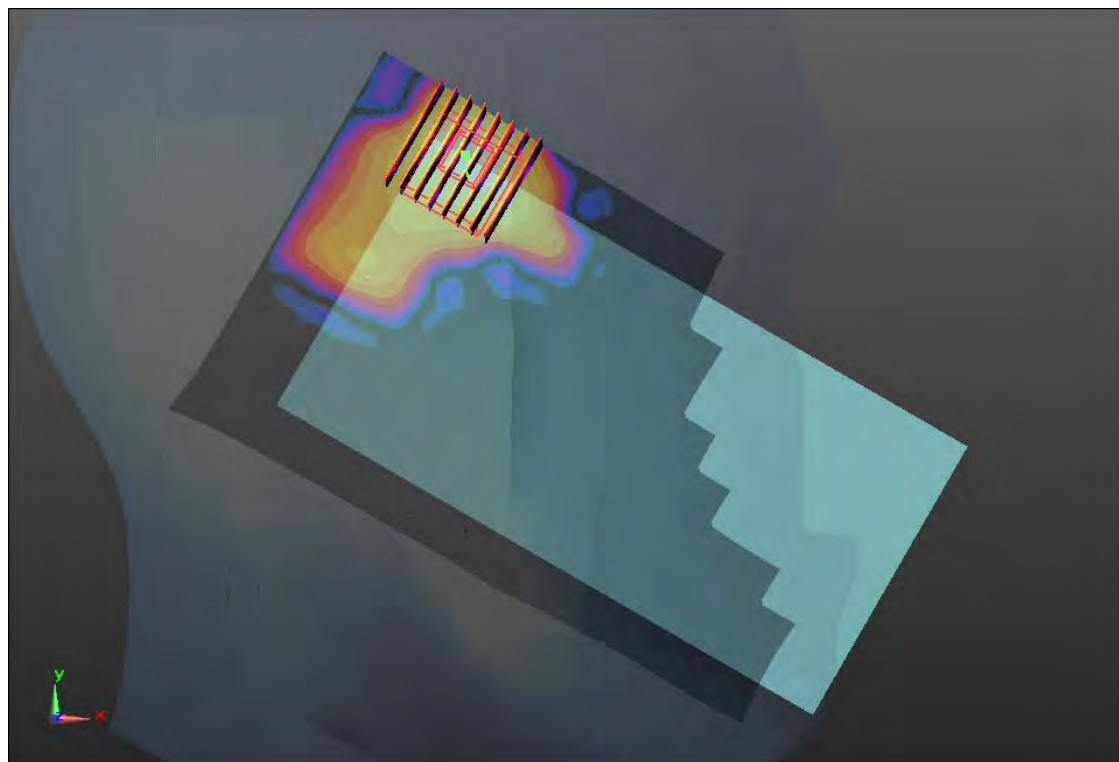
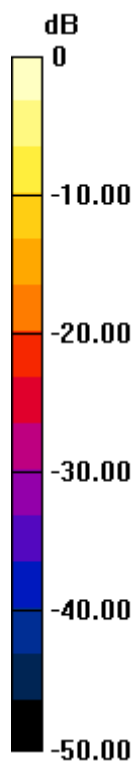
Ch48/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.740 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.710 W/kg

SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.834 mW/g



0 dB = 0.830mW/g

#10_WLAN 5.8GHz_802.11a_6Mbps_Left Cheek_Ch149

Communication System: WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1.146

Medium: HSL_5000_150303 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.358$ mho/m; $\epsilon_r = 34.5$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.79, 4.79, 4.79); Calibrated: 2014.05.23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch149/Area Scan (101x191x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.206 mW/g

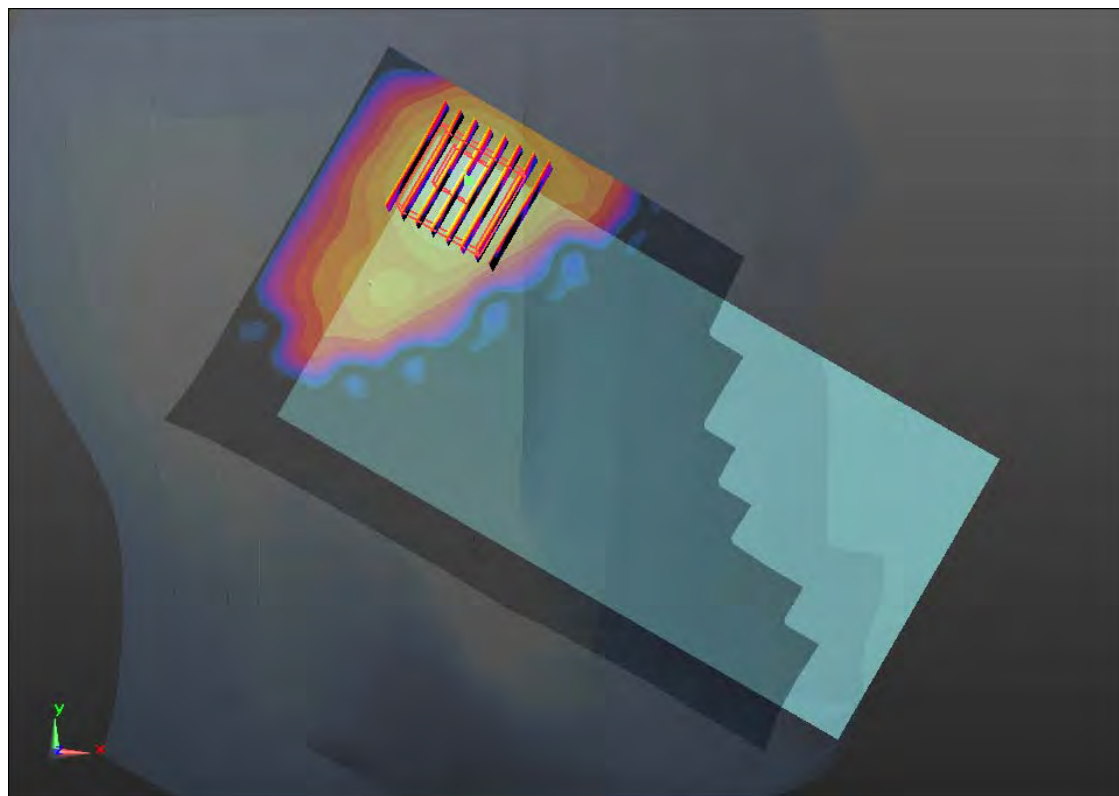
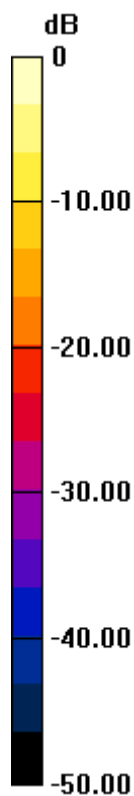
Ch149/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.743 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 6.650 W/kg

SAR(1 g) = 1.140 mW/g; SAR(10 g) = 0.311 mW/g

Maximum value of SAR (measured) = 3.446 mW/g



0 dB = 3.450mW/g

#11_GSM850_GPRS (4 Tx slots)_Back 1cm_Ch251

Communication System: GPRS/EDGE (4 Tx slots) (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.08
Medium: MSL_835_150302 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 53.923$;

$$\rho = 1000 \text{ kg/m}^3$$

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.31, 9.31, 9.31); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.570 mW/g

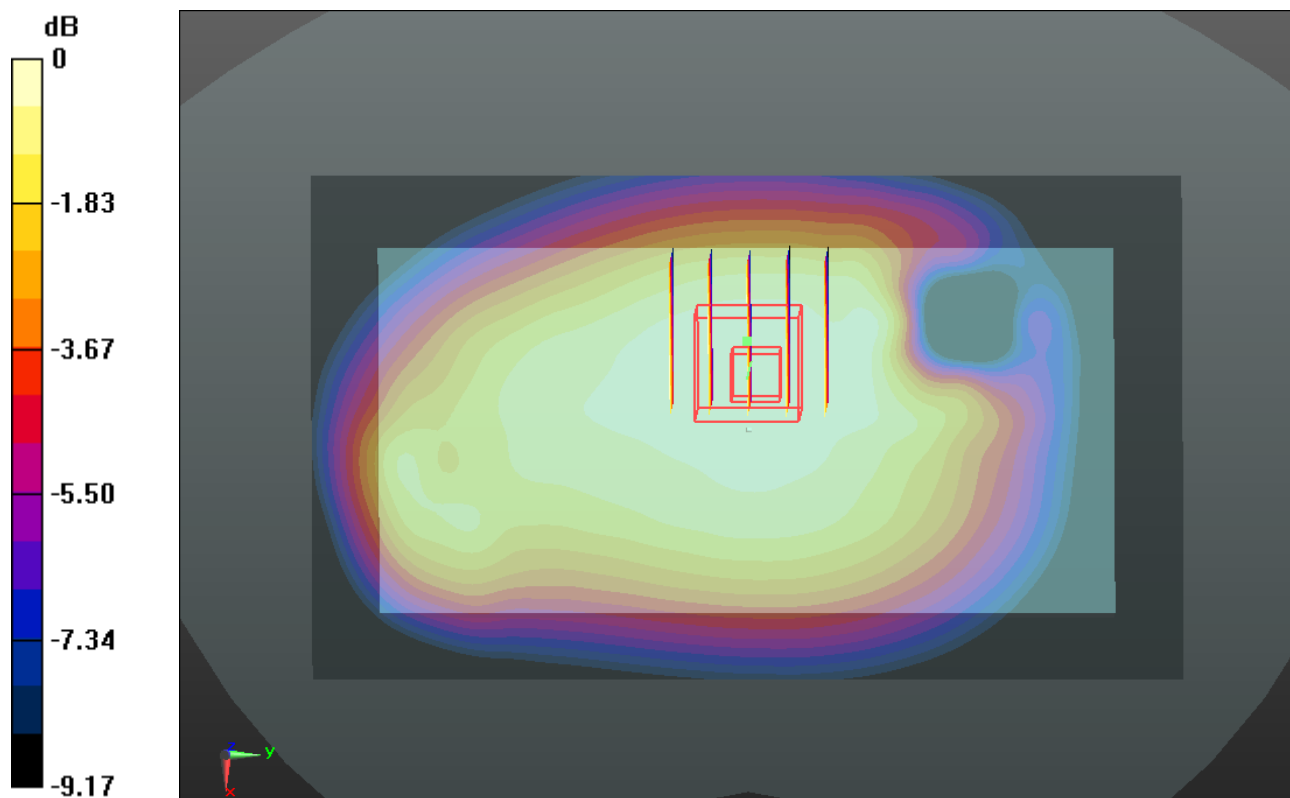
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.570 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.378 mW/g

Maximum value of SAR (measured) = 0.569 mW/g



0 dB = 0.570mW/g

#12_GSM1900_GPRS (4 Tx slots)_Back 1cm_Ch512

Communication System: GPRS/EDGE (4 Tx slots) (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.08
Medium: MSL_1900_150222 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.492$ mho/m; $\epsilon_r =$

53.419; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.56, 7.56, 7.56); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (71x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.906 mW/g

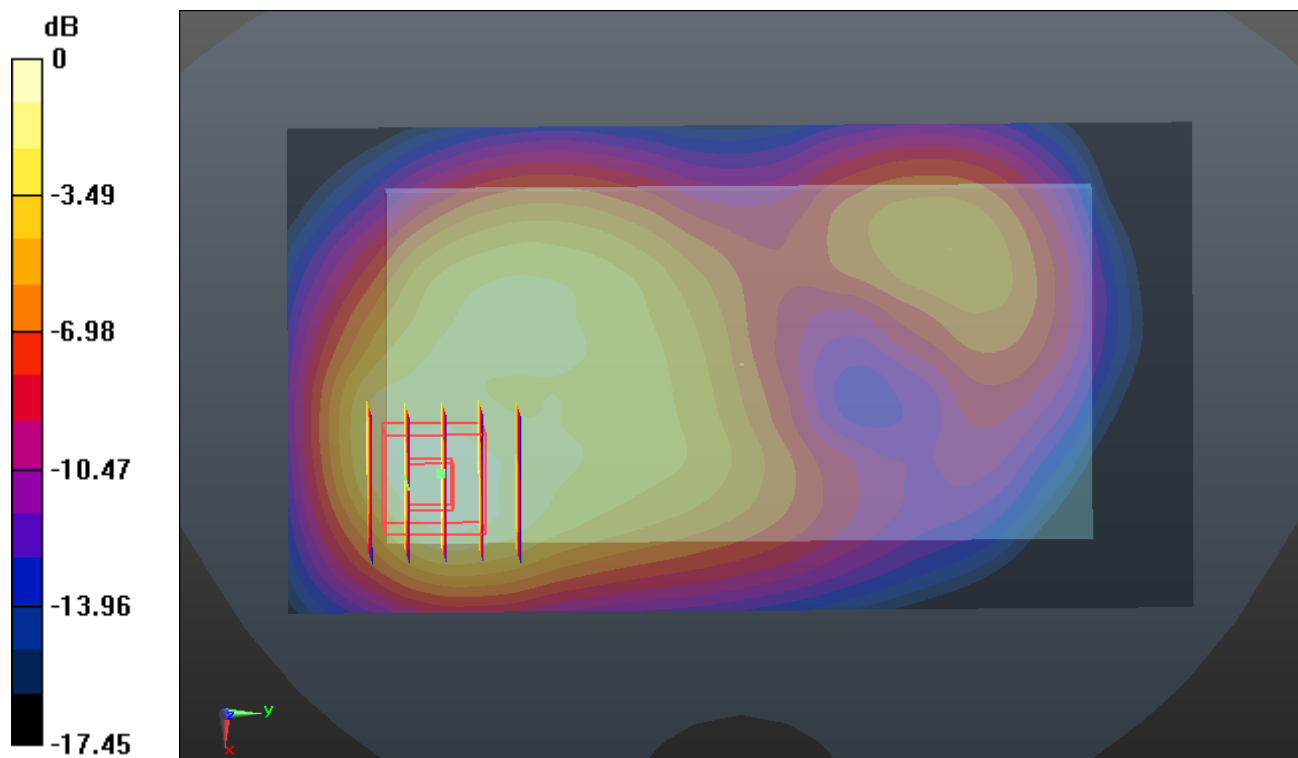
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.253 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.092 W/kg

SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.397 mW/g

Maximum value of SAR (measured) = 0.858 mW/g



0 dB = 0.860mW/g

#13_WCDMA Band V_RMC12.2Kbps_Back 1cm_Ch4233

Communication System: UMTS (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_835_150302 Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 53.949$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.31, 9.31, 9.31); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.420 mW/g

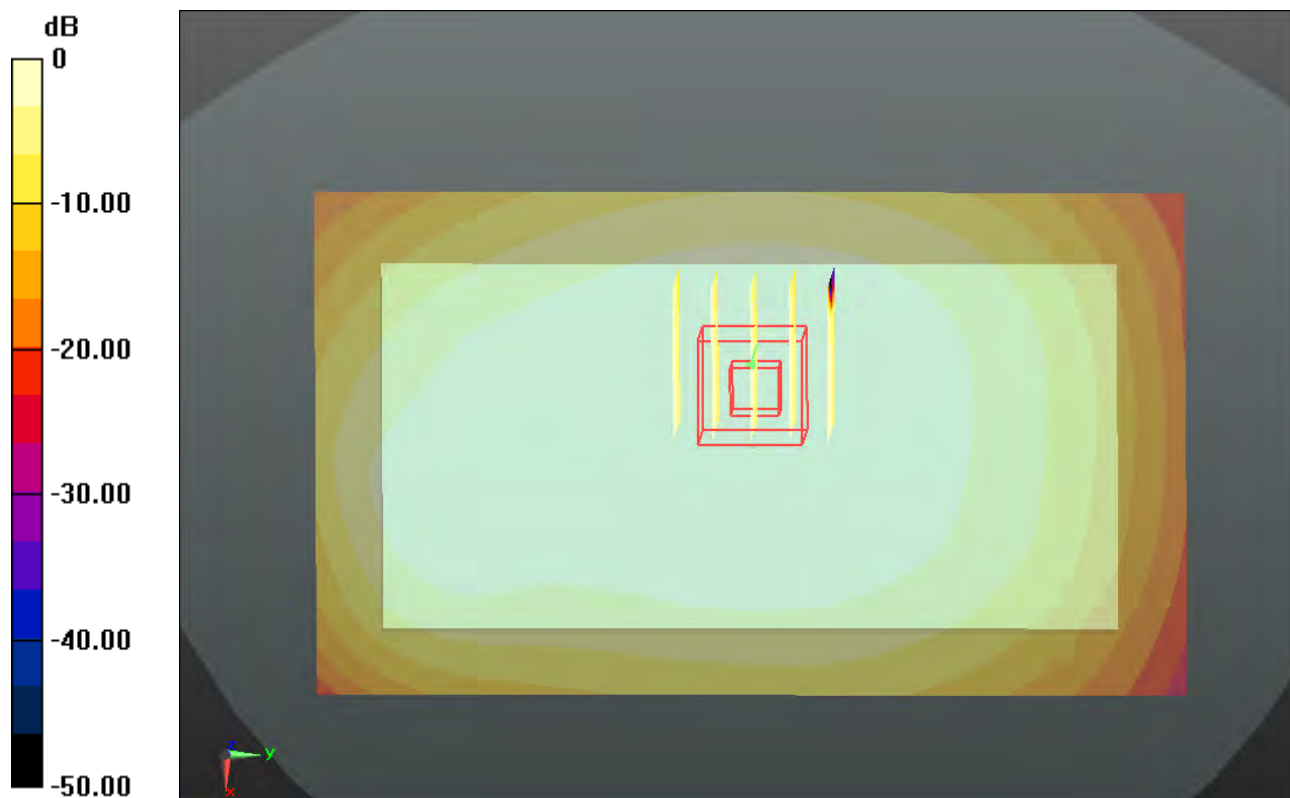
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.482 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.532 W/kg

SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.286 mW/g

Maximum value of SAR (measured) = 0.428 mW/g



0 dB = 0.430mW/g

#14_WCDMA Band II_RMC12.2Kbps_Back 1cm_Ch9538

Communication System: UMTS (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_150222 Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.28$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.56, 7.56, 7.56); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (71x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.434 mW/g

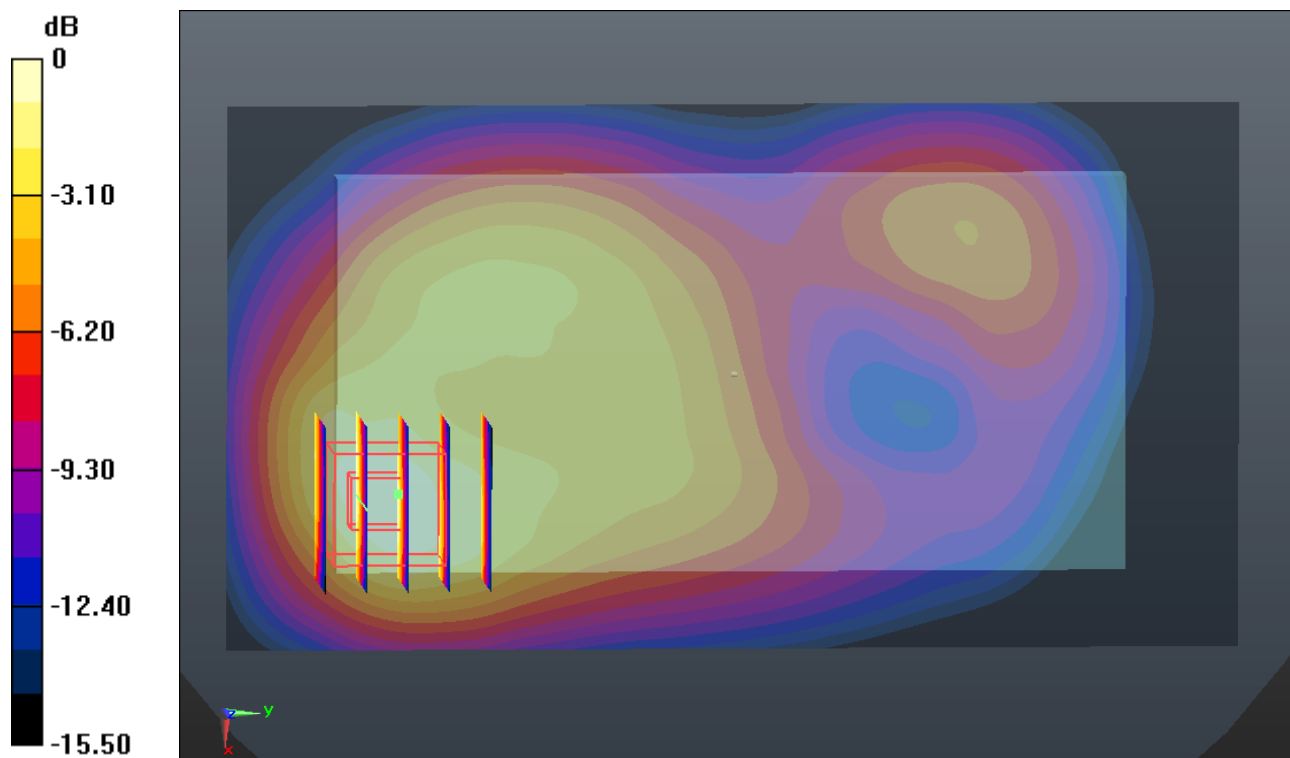
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.791 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.793 W/kg

SAR(1 g) = 1.080 mW/g; SAR(10 g) = 0.626 mW/g

Maximum value of SAR (measured) = 1.432 mW/g



#15_LTE Band 4_20M_QPSK(1,0)_Back 1cm_Ch20175

Communication System: FDD_LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_150222 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r =$

54.965; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.89, 7.89, 7.89); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.883 mW/g

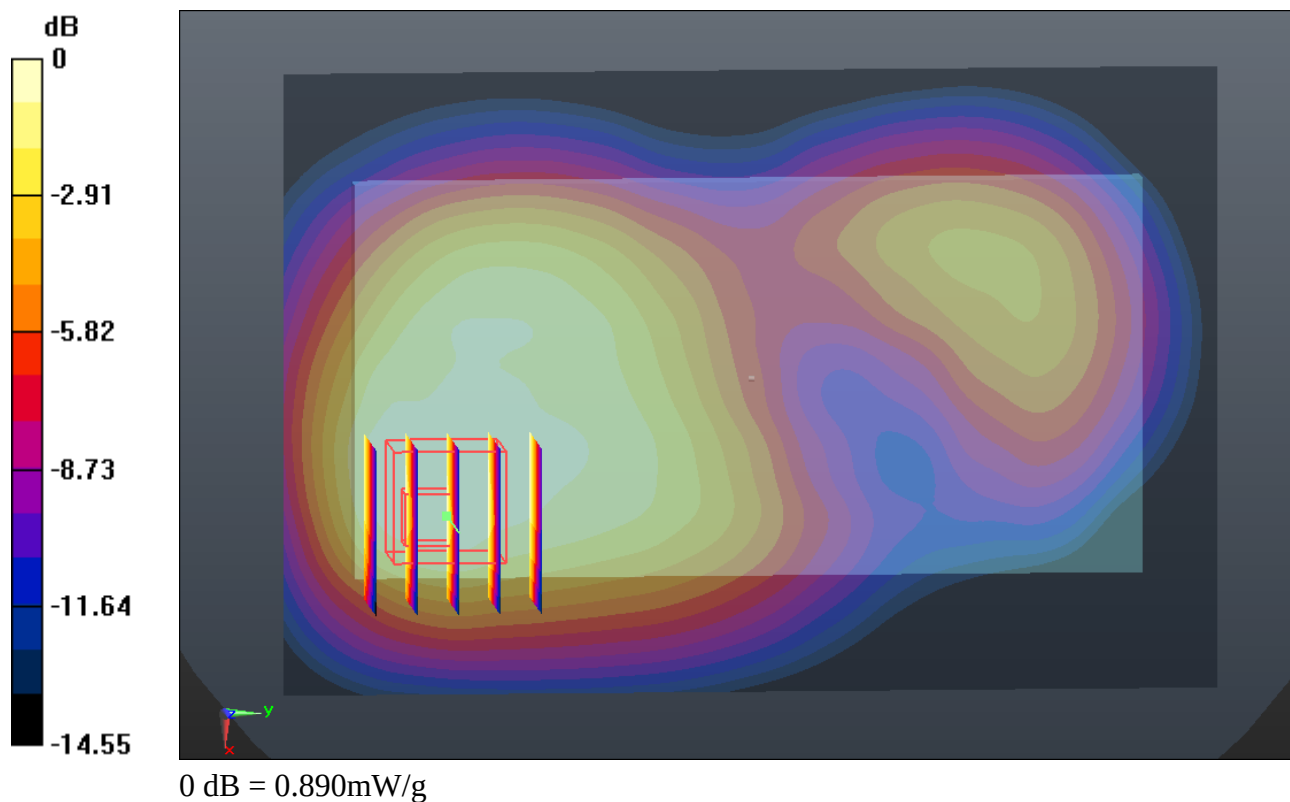
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.163 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.106 W/kg

SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.429 mW/g

Maximum value of SAR (measured) = 0.892 mW/g



#16_LTE Band 2_20M_QPSK(1,0)_Back 1cm_Ch18900

Communication System: FDD_LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_150222 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r =$

53.358; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.56, 7.56, 7.56); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.448 mW/g

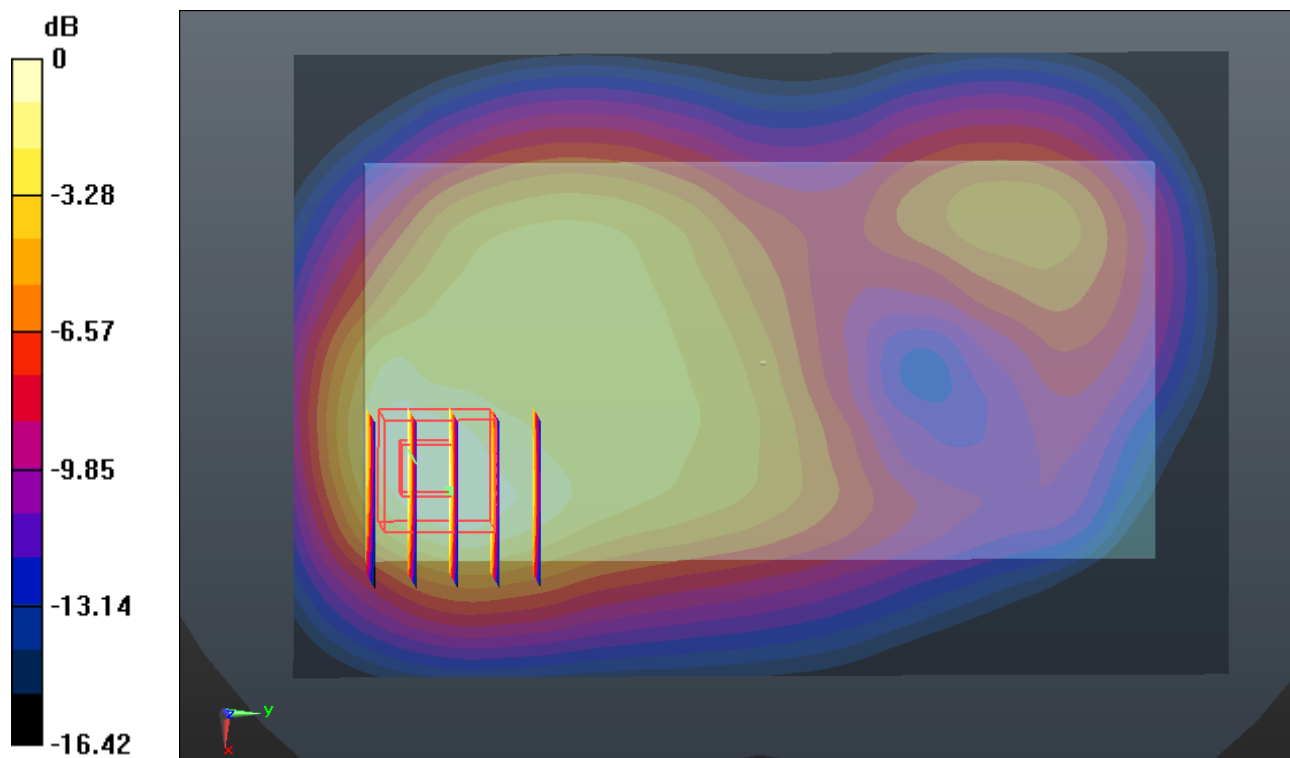
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.329 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.801 W/kg

SAR(1 g) = 1.110 mW/g; SAR(10 g) = 0.659 mW/g

Maximum value of SAR (measured) = 1.464 mW/g



0 dB = 1.460mW/g

#17_LTE Band 7_20M_QPSK(1,0)_Bottom Side 1cm_Ch21350

Communication System: FDD_LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL_2600_150301 Medium parameters used: $f = 2560$ MHz; $\sigma = 2.149$ mho/m; $\epsilon_r =$

52.782; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.82, 6.82, 6.82); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch21350/Area Scan (41x101x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 1.742 mW/g

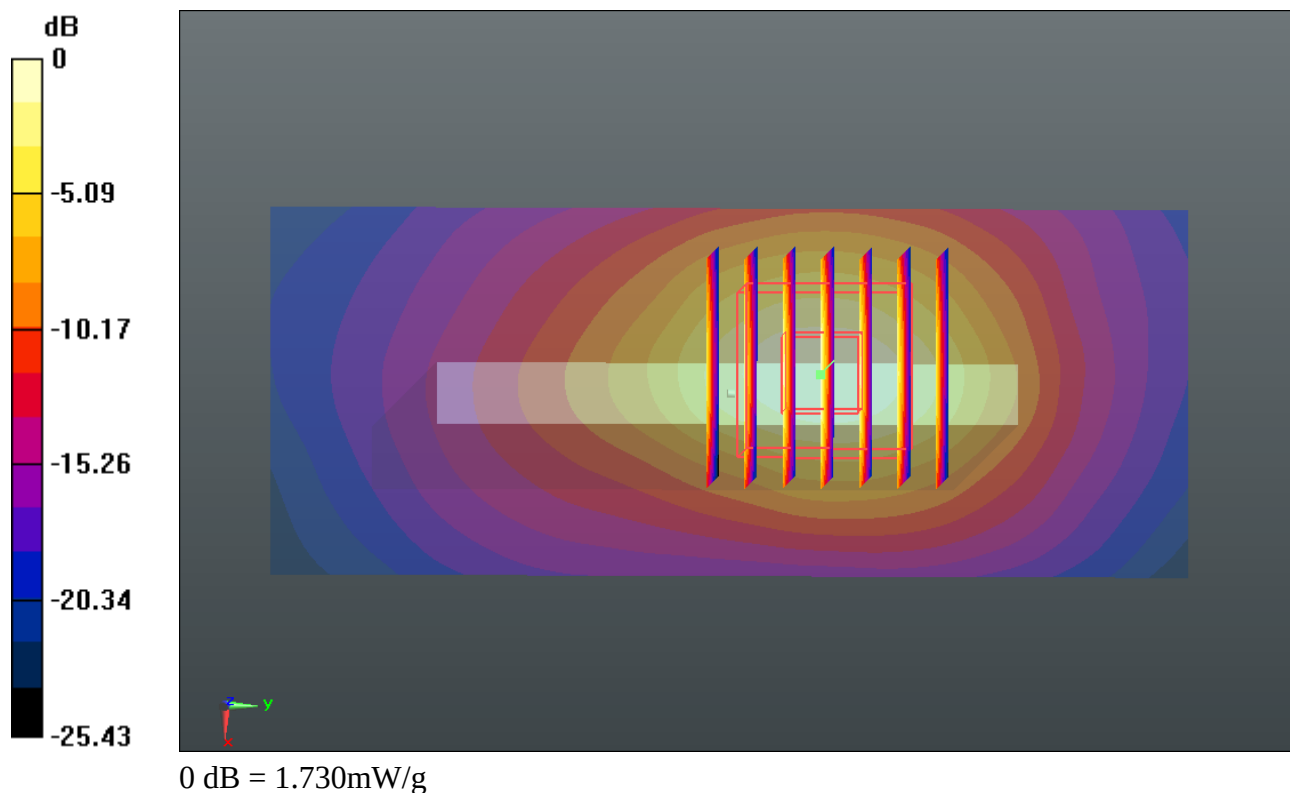
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.103 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.334 W/kg

SAR(1 g) = 1.140 mW/g; SAR(10 g) = 0.514 mW/g

Maximum value of SAR (measured) = 1.727 mW/g



#18_WLAN 2.4GHz_802.11b_1Mbps_Back 1cm_Ch11

Communication System: WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1.024

Medium: MSL_2450_150301 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r =$

51.229; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.14, 7.14, 7.14); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (81x161x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.371 mW/g

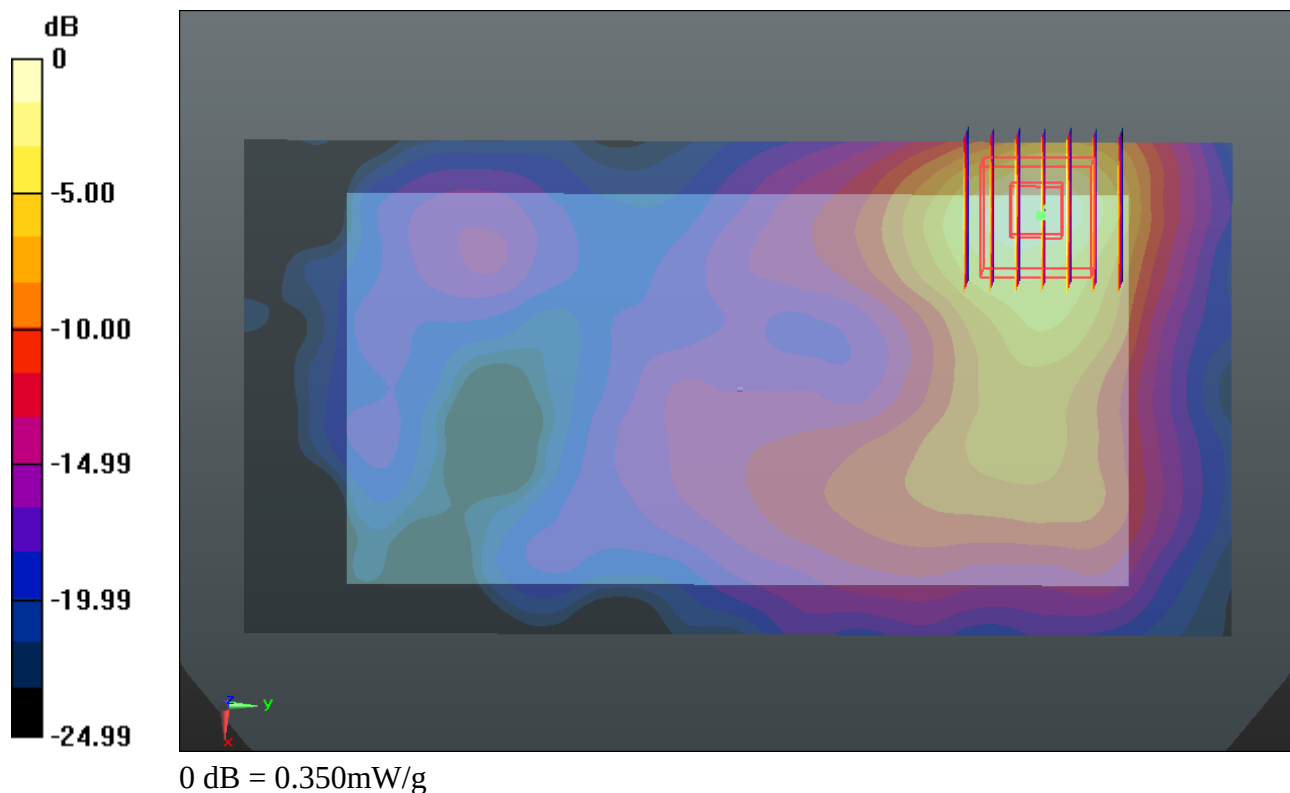
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.055 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.490 W/kg

SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.347 mW/g



#19_WLAN 5.8GHz_802.11a_6Mbps_Back 1cm_Ch157

Communication System: WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1.146

Medium: MSL_5000_150302 Medium parameters used: $f = 5785$ MHz; $\sigma = 6.096$ mho/m; $\epsilon_r =$

47.214; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.21, 4.21, 4.21); Calibrated: 2014.05.23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch157/Area Scan (111x191x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.936 mW/g

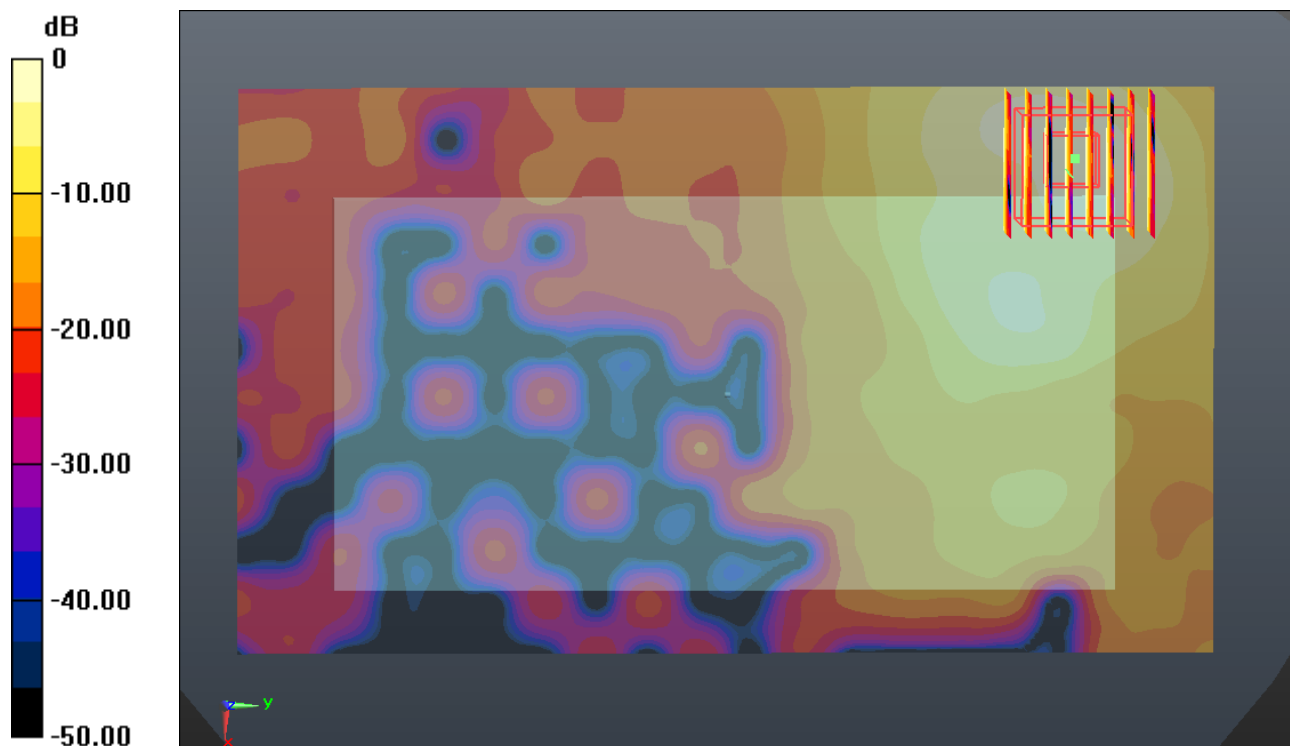
Ch157/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.747 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.651 W/kg

SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.968 mW/g



0 dB = 0.970mW/g

#20_LTE Band 2_20M_QPSK(1,0)_Back 0cm_Ch18900

Communication System: FDD_LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_150222 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r =$

53.358; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.56, 7.56, 7.56); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 7.938 mW/g

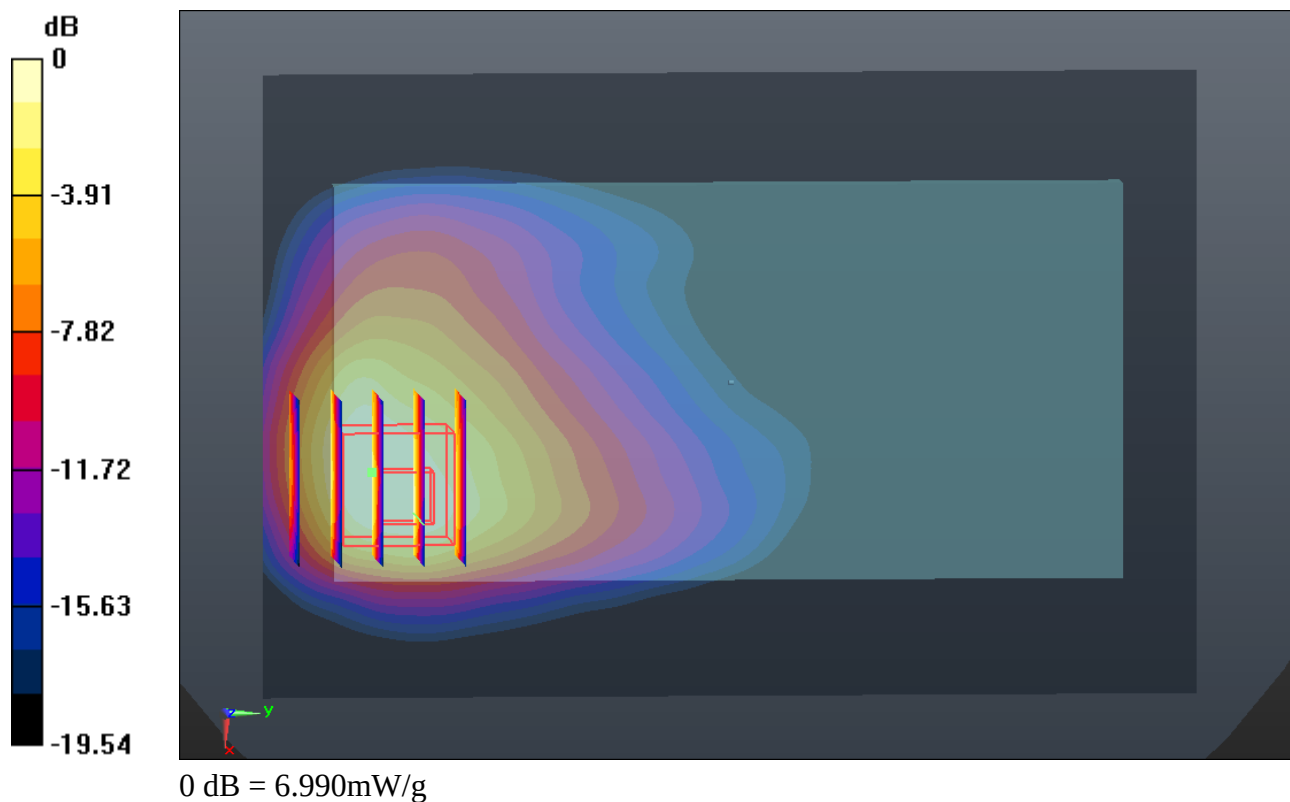
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.246 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 9.582 W/kg

SAR(1 g) = 4.89 mW/g; SAR(10 g) = 2.59 mW/g

Maximum value of SAR (measured) = 6.987 mW/g



#21_GSM850_GPRS (4 Tx slots)_Back 1cm_Ch251

Communication System: GPRS/EDGE (4 Tx slots) (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.08
Medium: MSL_835_150302 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 53.923$;

$$\rho = 1000 \text{ kg/m}^3$$

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.31, 9.31, 9.31); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.570 mW/g

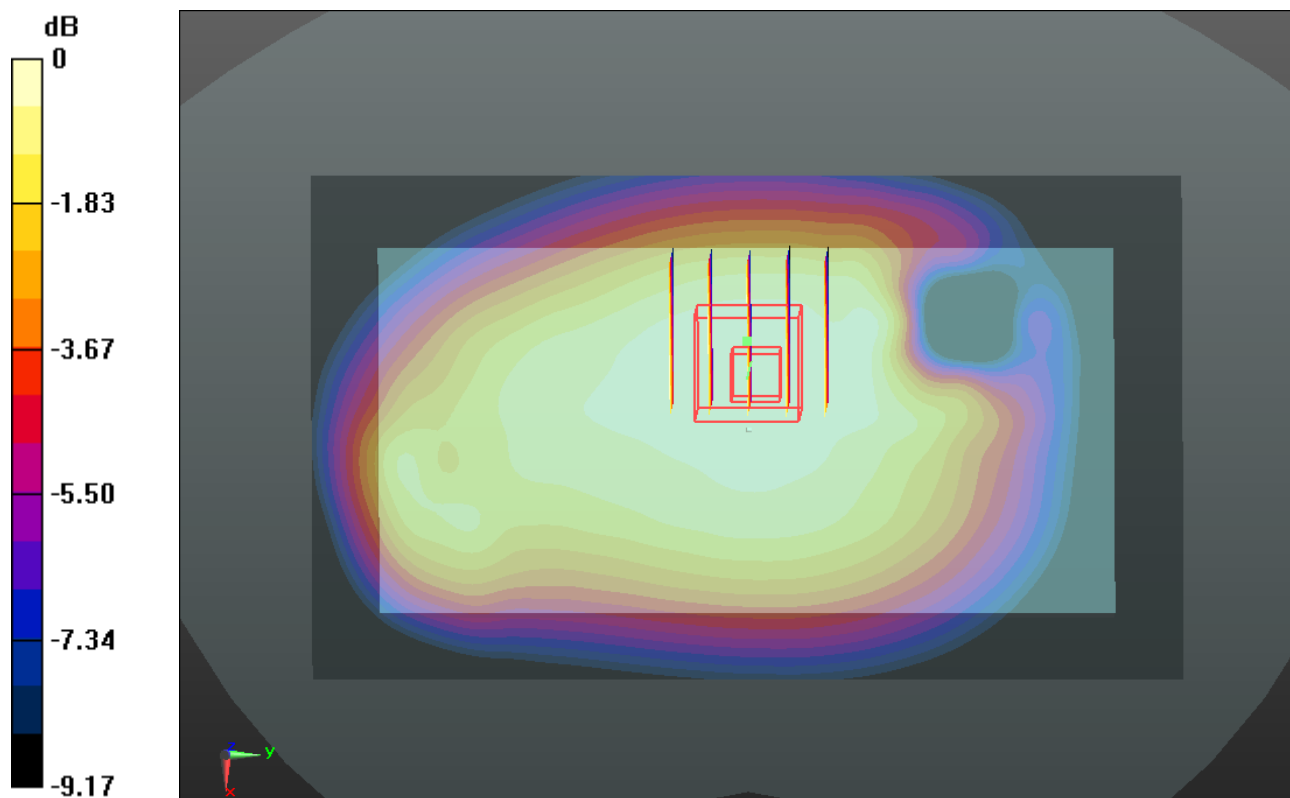
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.570 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.378 mW/g

Maximum value of SAR (measured) = 0.569 mW/g



0 dB = 0.570mW/g

#22_GSM1900_GPRS (4 Tx slots)_Back 1cm_Ch512

Communication System: GPRS/EDGE (4 Tx slots) (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.08
Medium: MSL_1900_150222 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.492$ mho/m; $\epsilon_r =$

53.419; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.56, 7.56, 7.56); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (71x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.906 mW/g

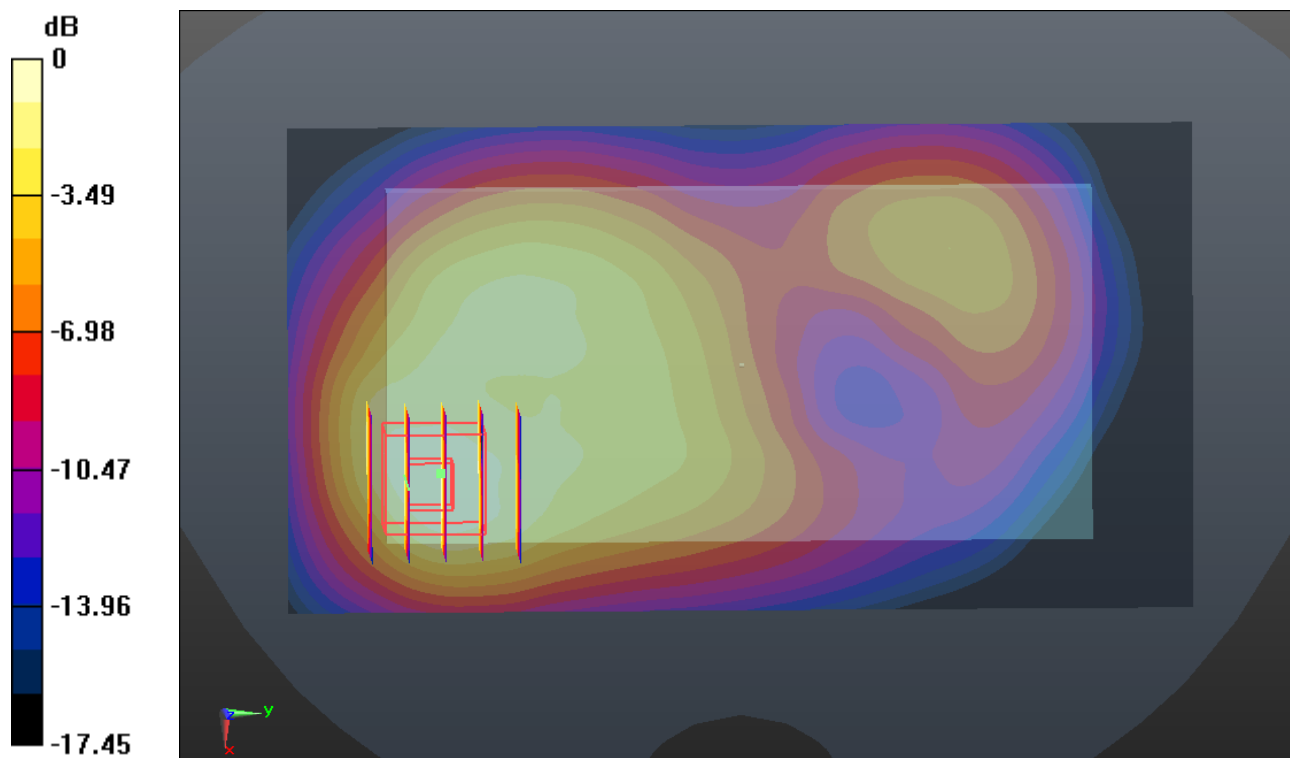
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.253 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.092 W/kg

SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.397 mW/g

Maximum value of SAR (measured) = 0.858 mW/g



0 dB = 0.860mW/g

#23_WCDMA Band V_RMC12.2Kbps_Back 1cm_Ch4233

Communication System: UMTS (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_835_150302 Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 53.949$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.31, 9.31, 9.31); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.420 mW/g

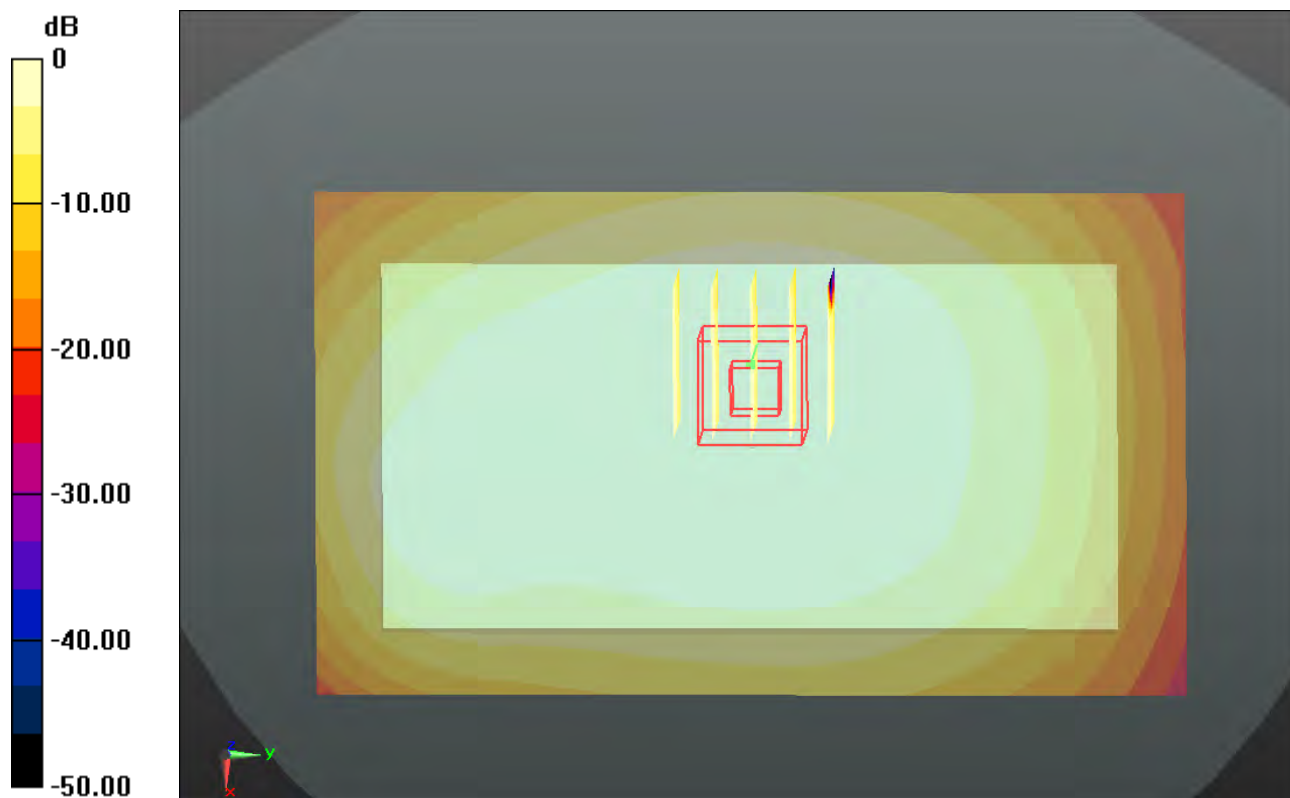
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.482 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.532 W/kg

SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.286 mW/g

Maximum value of SAR (measured) = 0.428 mW/g



0 dB = 0.430mW/g

#24_WCDMA Band II_RMC12.2Kbps_Back 1cm_Ch9538

Communication System: UMTS (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_150222 Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.28$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.56, 7.56, 7.56); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (71x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.434 mW/g

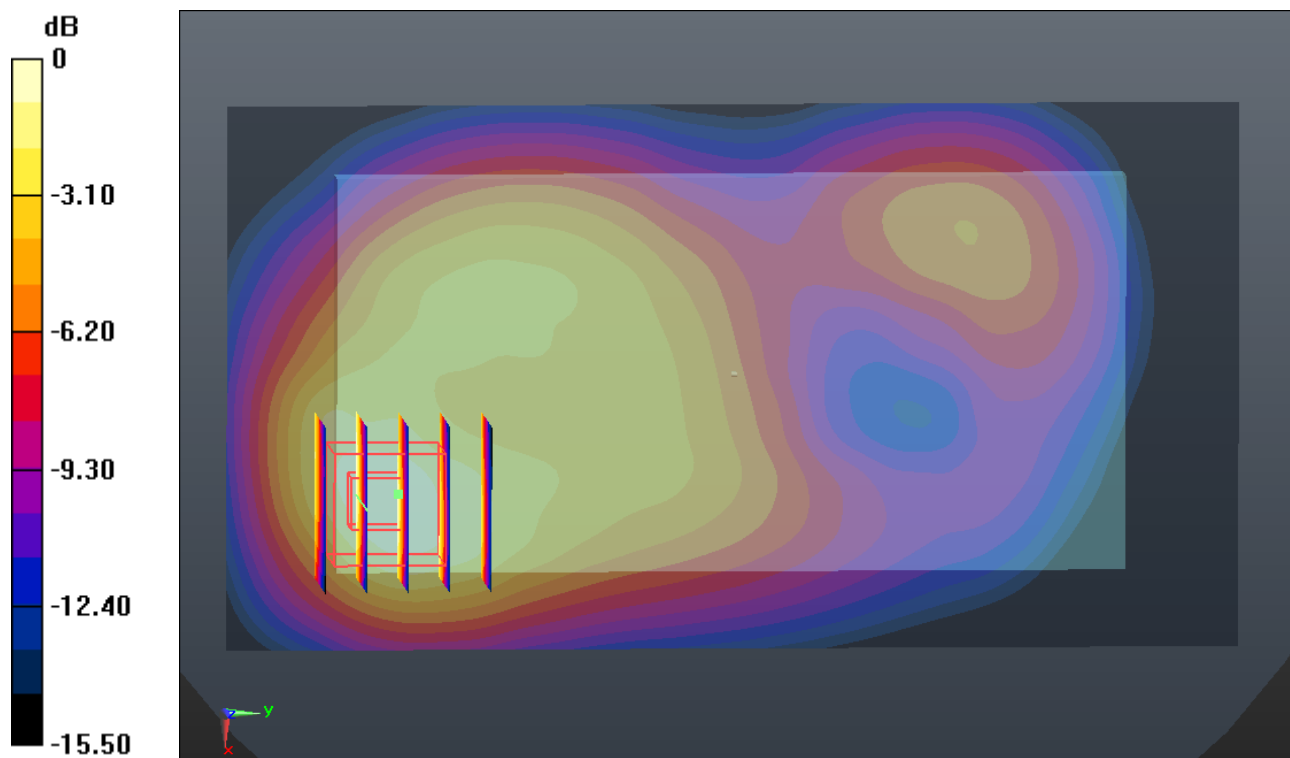
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.791 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.793 W/kg

SAR(1 g) = 1.080 mW/g; SAR(10 g) = 0.626 mW/g

Maximum value of SAR (measured) = 1.432 mW/g



#25_LTE Band 4_20M_QPSK(1,0)_Back 1cm_Ch20175

Communication System: FDD_LTE (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_150222 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r =$

54.965; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.89, 7.89, 7.89); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.883 mW/g

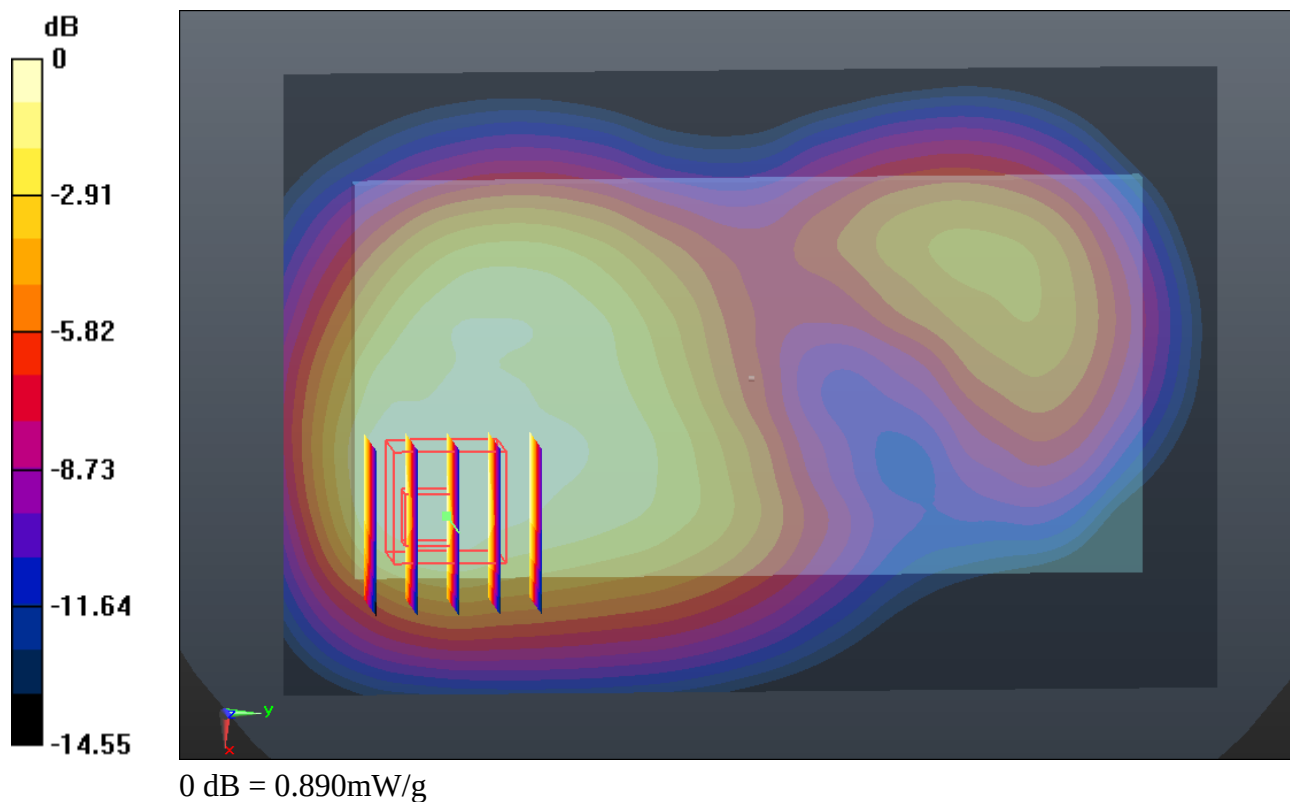
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.163 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.106 W/kg

SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.429 mW/g

Maximum value of SAR (measured) = 0.892 mW/g



#26_LTE Band 2_20M_QPSK(1,0)_Back 1cm_Ch18900_Headset

Communication System: FDD_LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_150222 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r =$

53.358; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.56, 7.56, 7.56); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.553 mW/g

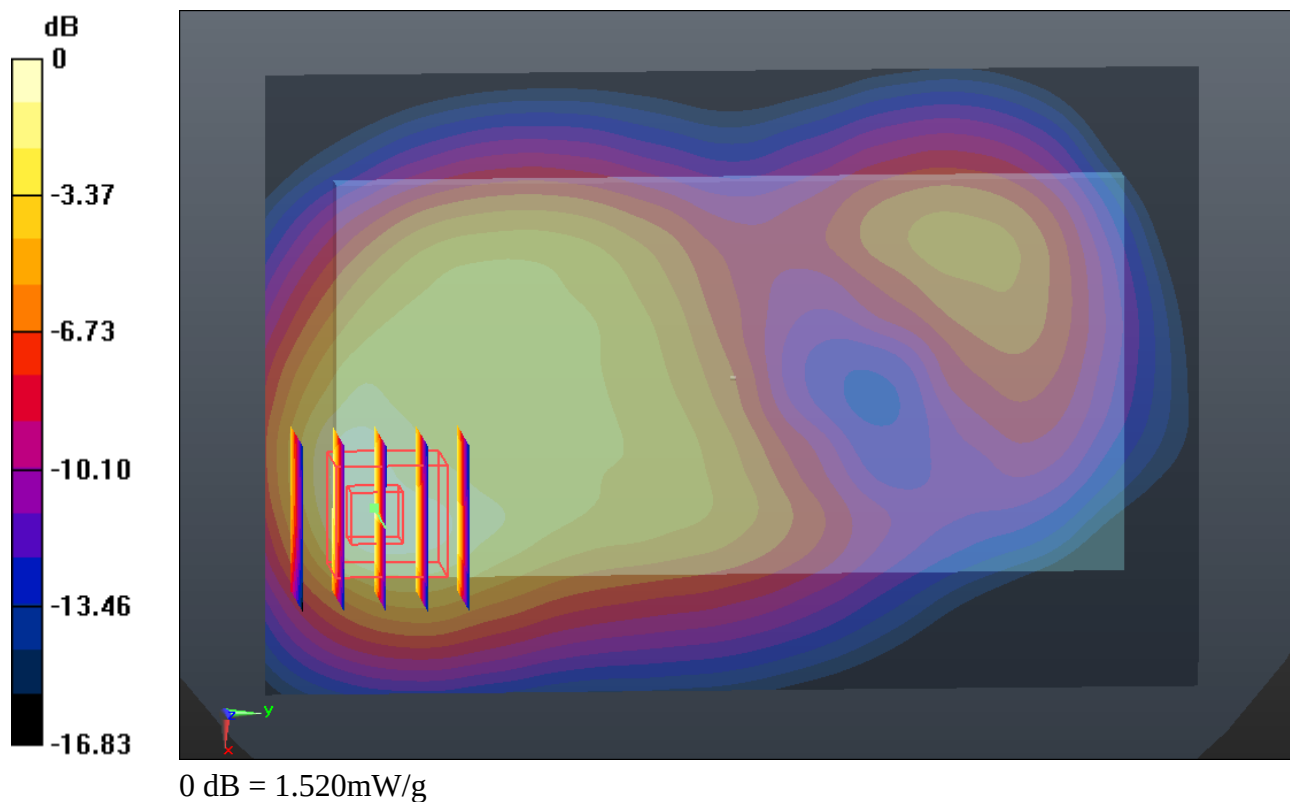
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.911 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.857 W/kg

SAR(1 g) = 1.140 mW/g; SAR(10 g) = 0.664 mW/g

Maximum value of SAR (measured) = 1.525 mW/g



#27_LTE Band 7_20M_QPSK(1,0)_Back 1cm_Ch21350

Communication System: FDD_LTE (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL_2600_150301 Medium parameters used: $f = 2560$ MHz; $\sigma = 2.149$ mho/m; $\epsilon_r =$

52.782; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.82, 6.82, 6.82); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch21350/Area Scan (81x151x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 1.707 mW/g

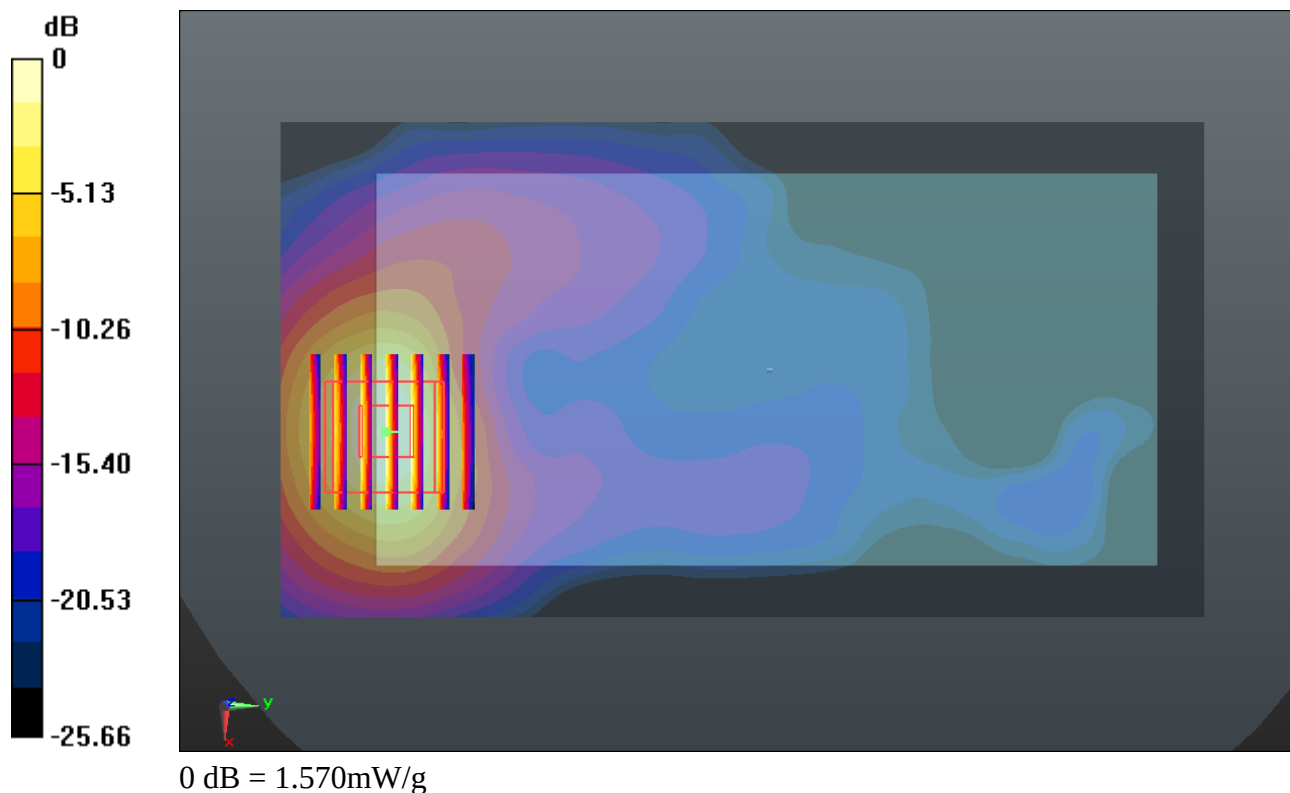
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.958 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.090 W/kg

SAR(1 g) = 1.030 mW/g; SAR(10 g) = 0.465 mW/g

Maximum value of SAR (measured) = 1.565 mW/g



#28_WLAN 2.4GHz_802.11b_1Mbps_Back 1cm_Ch11

Communication System: WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1.024

Medium: MSL_2450_150301 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r =$

51.229; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.14, 7.14, 7.14); Calibrated: 2014.05.23
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (81x161x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.371 mW/g

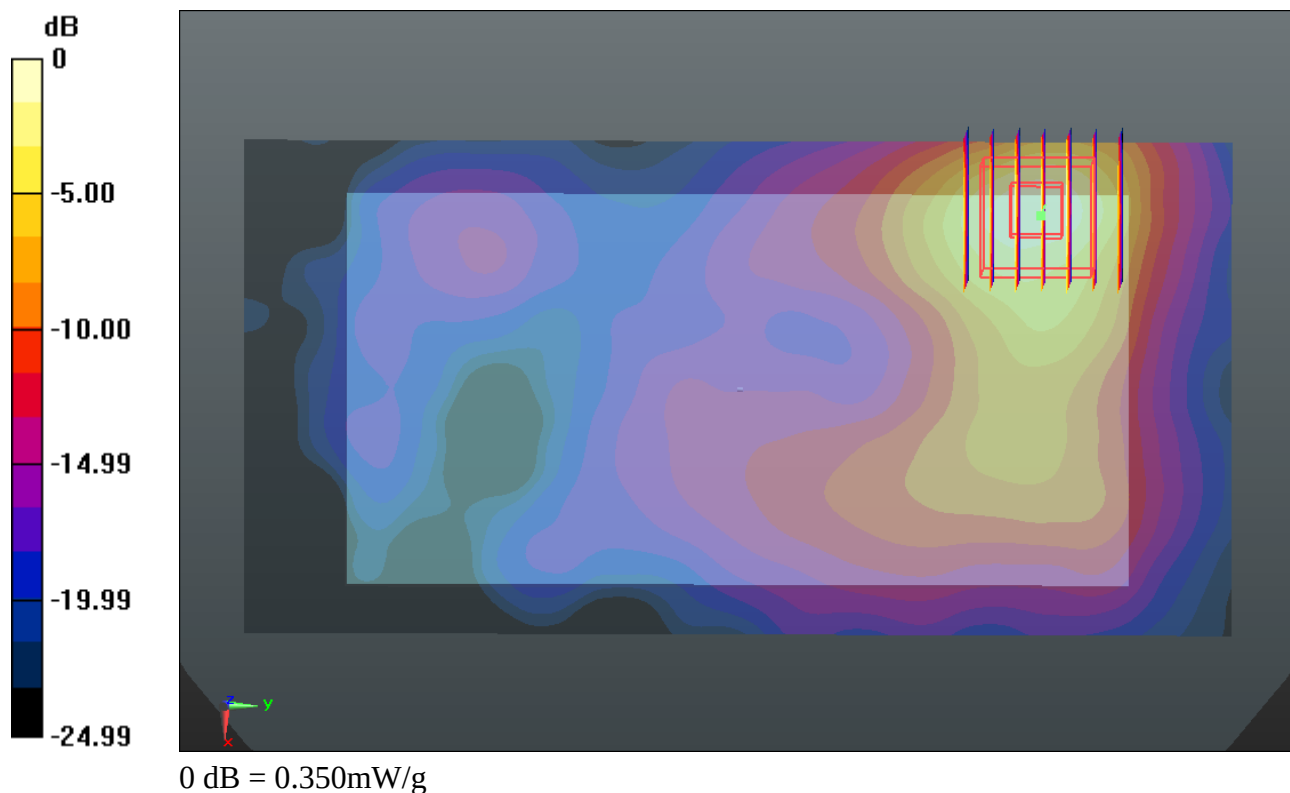
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.055 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.490 W/kg

SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.347 mW/g



#29_WLAN 5.2GHz_802.11a_6Mbps_Back 1cm_Ch48

Communication System: WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1.146

Medium: MSL_5000_150302 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.339$ mho/m; $\epsilon_r =$

48.474; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.54, 4.54, 4.54); Calibrated: 2014.05.23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch48/Area Scan (111x191x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.180 mW/g

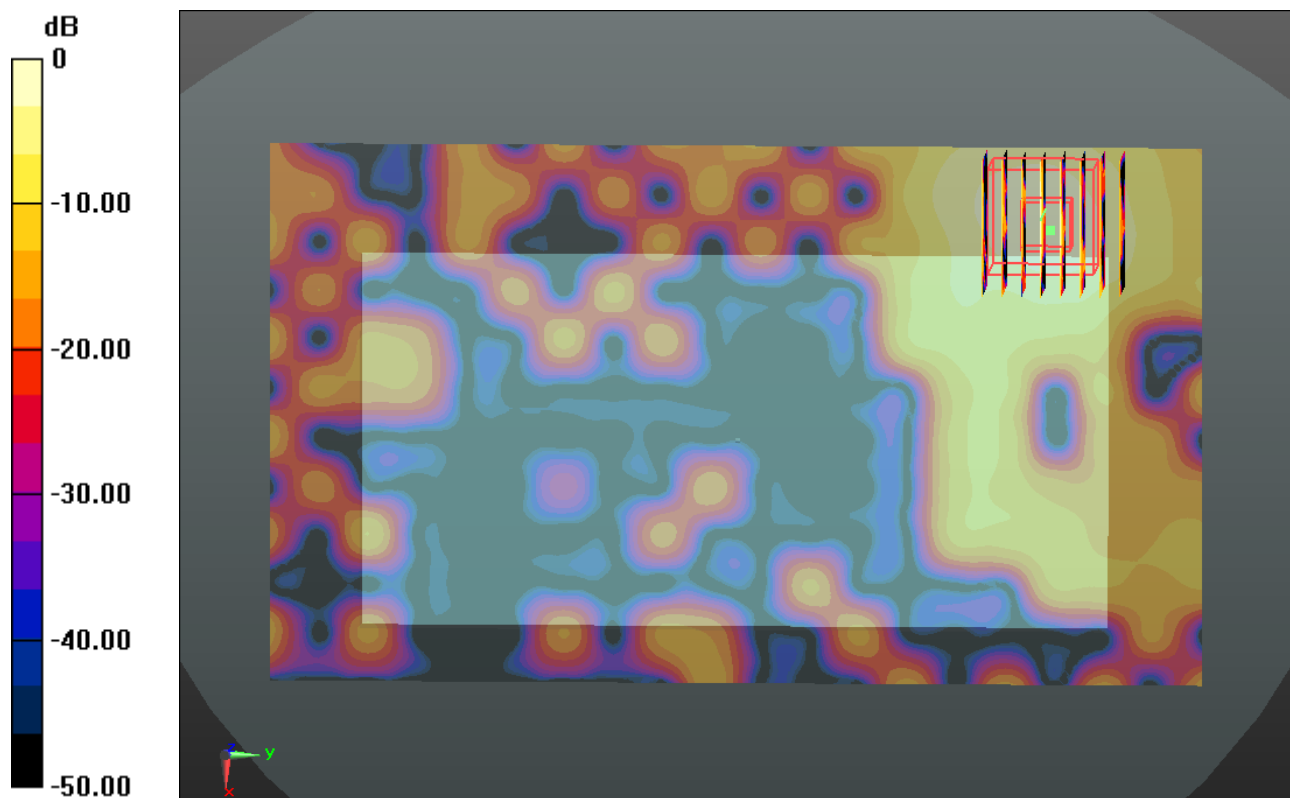
Ch48/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.332 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.178 mW/g



0 dB = 0.180mW/g

#30_WLAN 5.8GHz_802.11a_6Mbps_Back 1cm_Ch157

Communication System: WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1.146

Medium: MSL_5000_150302 Medium parameters used: $f = 5785$ MHz; $\sigma = 6.096$ mho/m; $\epsilon_r =$

47.214; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.21, 4.21, 4.21); Calibrated: 2014.05.23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2014.05.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch157/Area Scan (111x191x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.936 mW/g

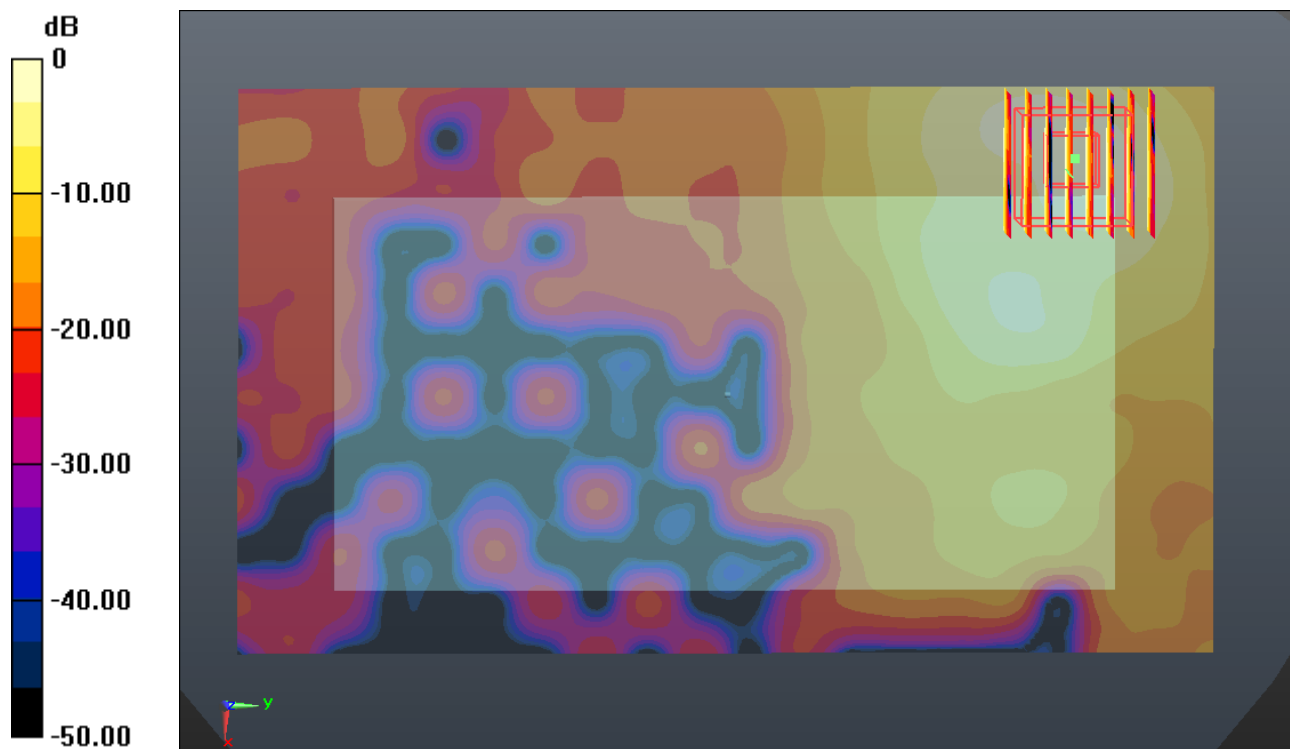
Ch157/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.747 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.651 W/kg

SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.968 mW/g



0 dB = 0.970mW/g