



Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

#01 GSM850_GPRS (GMSK 2 Tx slot)_Left Cheek_Ch251

Communication System: UID 0, GPRS (GMSK 2 Tx slot) (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.15

Medium: HSL_835_150506 Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.999$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (61x101x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.720 W/kg

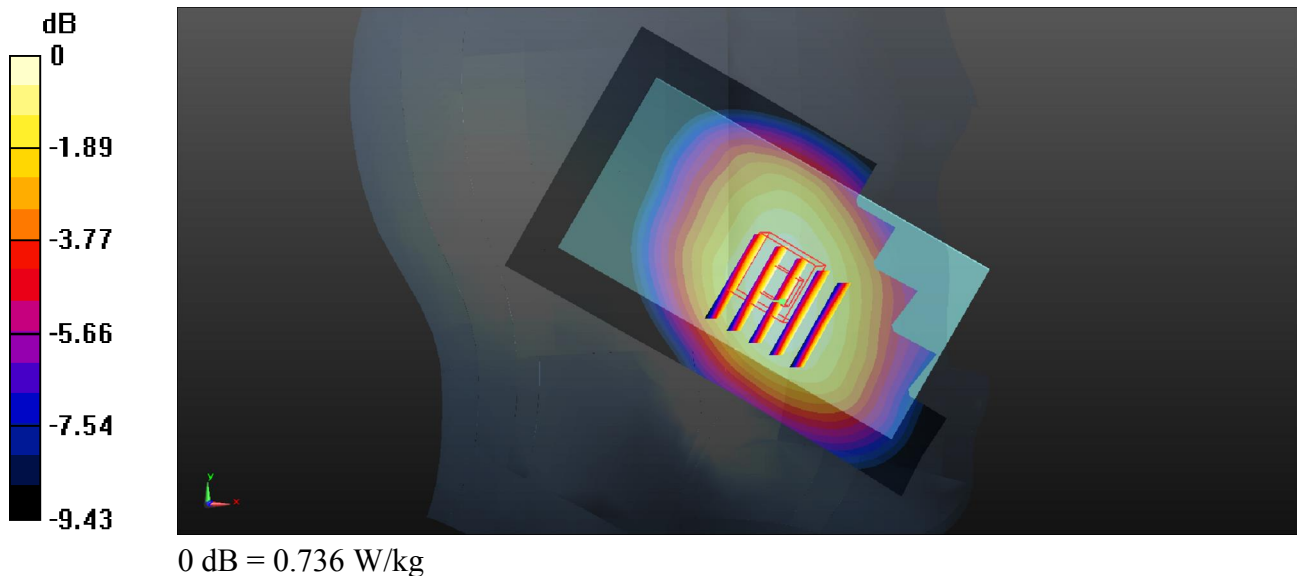
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.043 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.815 W/kg

SAR(1 g) = 0.639 W/kg; SAR(10 g) = 0.487 W/kg

Maximum value of SAR (measured) = 0.736 W/kg



#02 GSM1900_GPRS (GMSK 2 Tx slot)_Right Cheek_Ch512

Communication System: UID 0, GPRS (GMSK 2 Tx slot) (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: HSL_1900_150506 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.403$ S/m; $\epsilon_r = 41.06$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.95, 7.95, 7.95); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch512/Area Scan (61x101x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.660 W/kg

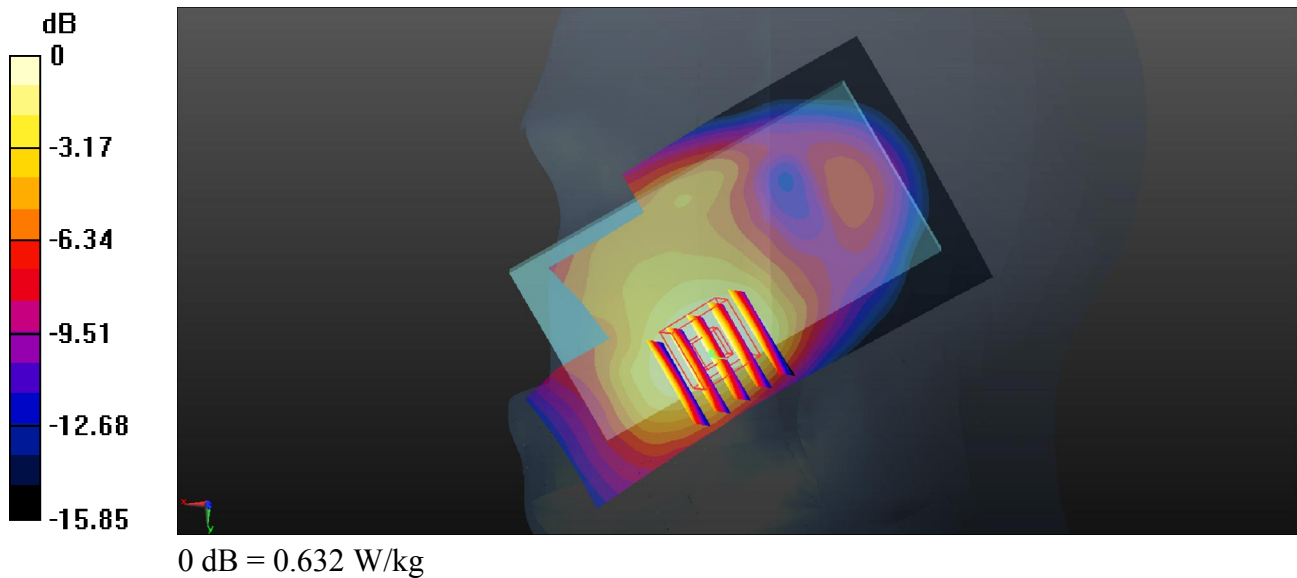
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.601 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.324 W/kg

Maximum value of SAR (measured) = 0.632 W/kg



#03 WCDMA Band V_RMC 12.2Kbps_Right Cheek_Ch4182

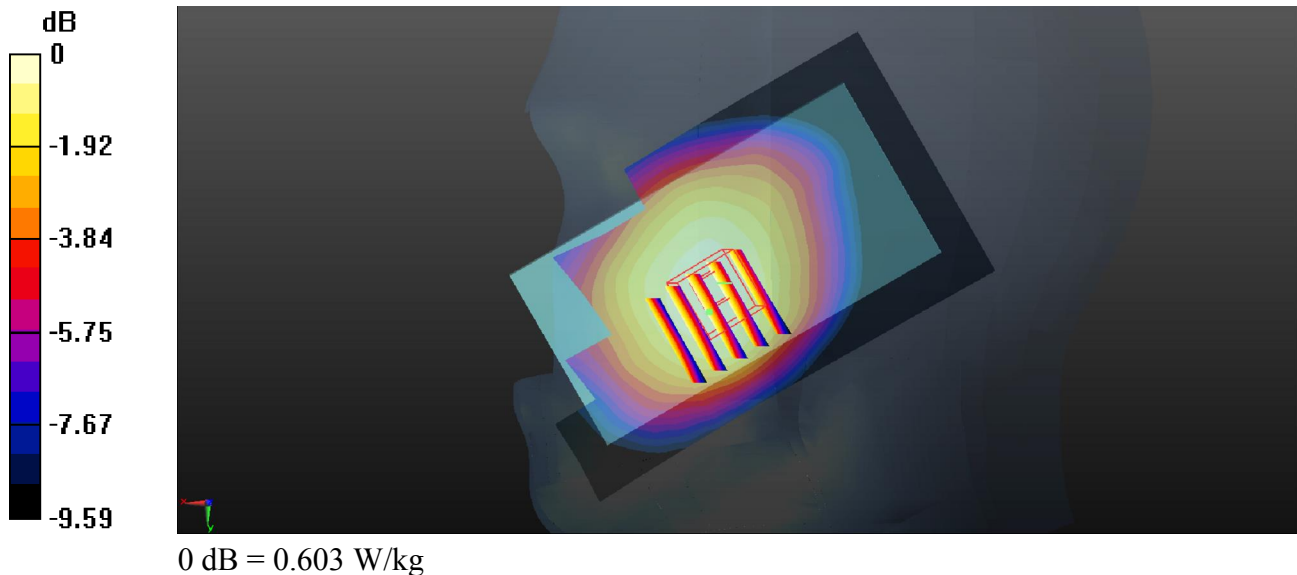
Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1
 Medium: HSL_835_150506 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 42.137$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.6 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.62, 9.62, 9.62); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (61x101x1): Interpolated grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.599 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 6.535 V/m; Power Drift = -0.05 dB
 Peak SAR (extrapolated) = 0.658 W/kg
SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.405 W/kg
 Maximum value of SAR (measured) = 0.603 W/kg



#04 WCDMA Band IV_RMC 12.2Kbps_Right Cheek_Ch1513

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL_1750_150506 Medium parameters used: $f = 1752.6$ MHz; $\sigma = 1.349$ S/m; $\epsilon_r = 40.21$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.18, 8.18, 8.18); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (61x101x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.963 W/kg

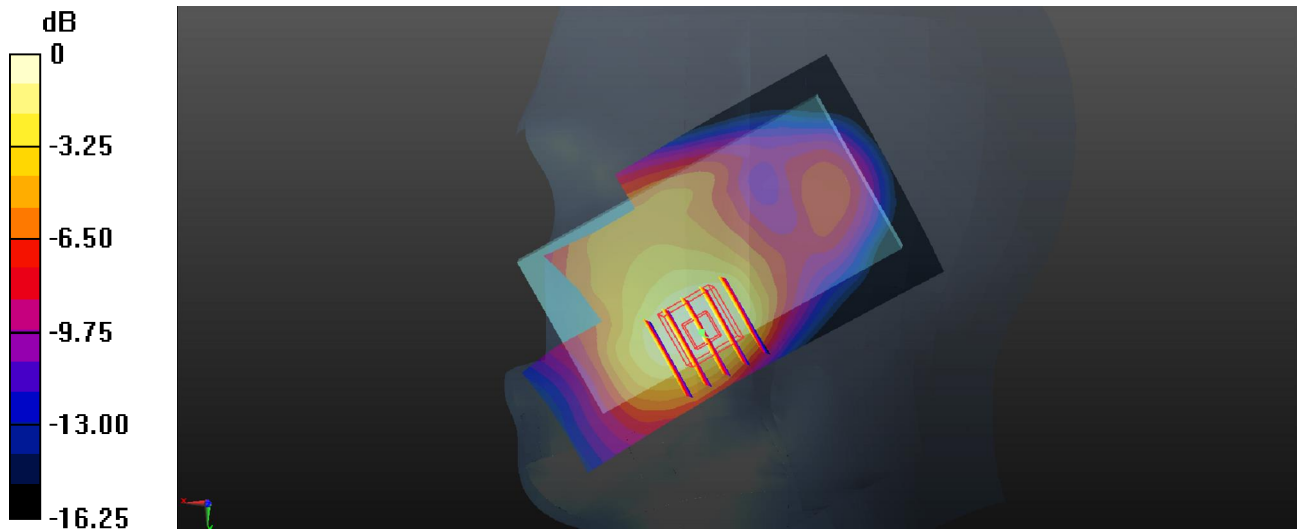
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.92 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.768 W/kg; SAR(10 g) = 0.483 W/kg

Maximum value of SAR (measured) = 0.975 W/kg



0 dB = 0.975 W/kg

#05 WLAN2.4GHz_802.11b, 1Mbps_Right Cheek_Ch1

Communication System: UID 0, 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1.025

Medium: HSL_2450_150507 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.838$ S/m; $\epsilon_r = 37.811$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.05, 7.05, 7.05); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (71x121x1): Interpolated grid: dx=12mm, dy=12mm

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

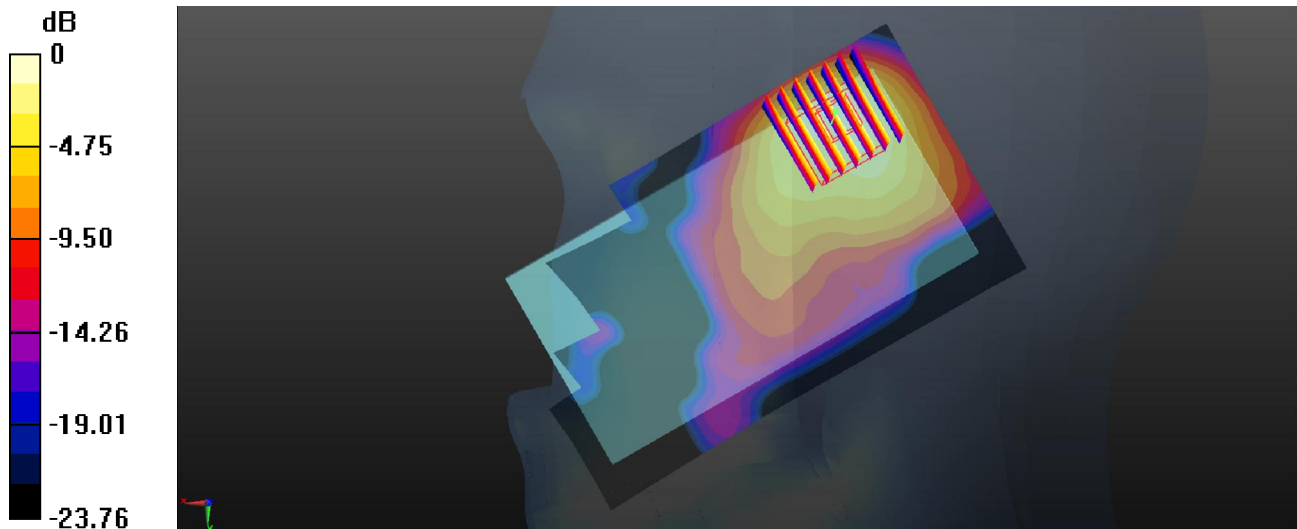
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.336 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.073 W/kg

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



0 dB = 0.229 W/kg

#06_Bluetooth_1Mbps_Right Cheek_Ch0

Communication System: Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.2

Medium: HSL_2450_150507 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.766$ mho/m; $\epsilon_r =$

39.381 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7 °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: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch0/Area Scan (81x131x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 0.109 mW/g

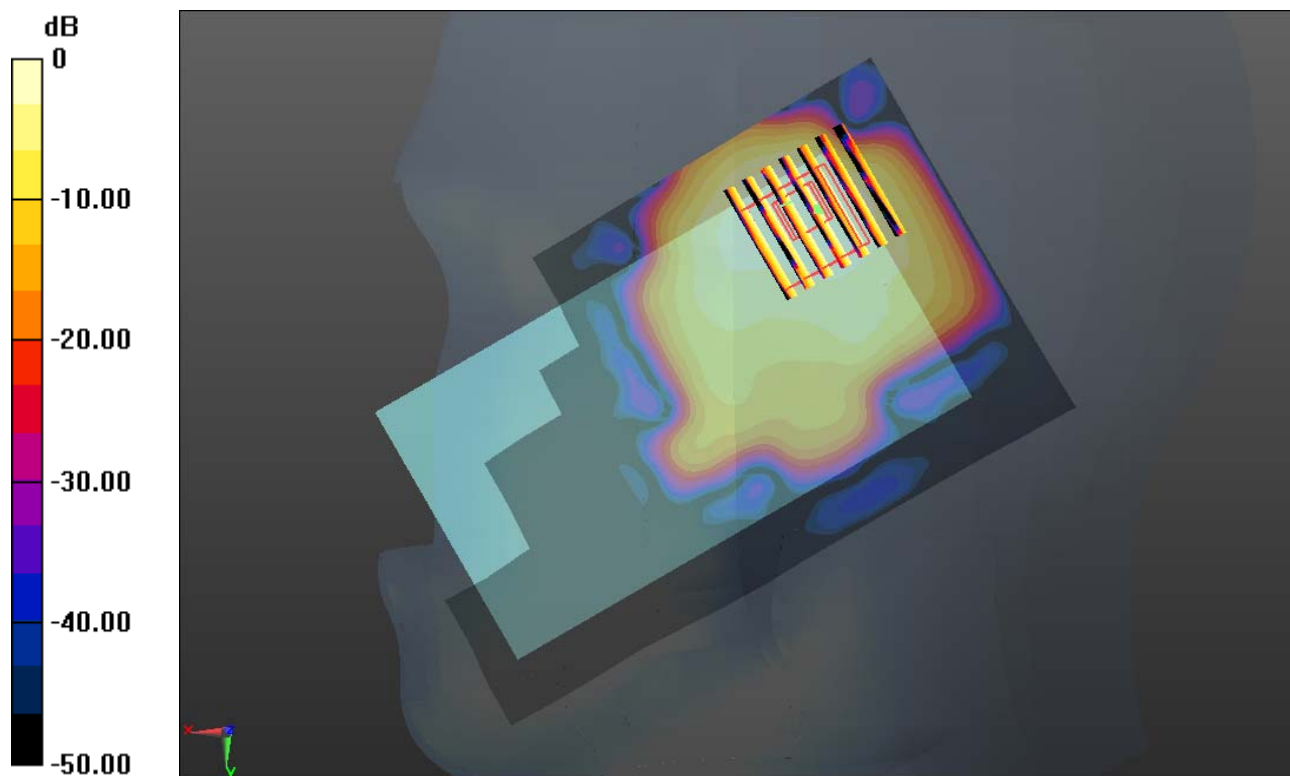
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.392 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.137 W/kg

SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.095 mW/g



0 dB = 0.090 mW/g

#07 GSM850_GPRS (GMSK 2 Tx slot)_Back_1.0cm_Ch189

Communication System: UID 0, GPRS (GMSK 2 Tx slot) (0); Frequency: 836.4 MHz; Duty Cycle: 1:4.15

Medium: MSL_835_150505 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.979$ S/m; $\epsilon_r = 54.404$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.66, 9.66, 9.66); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/Area Scan (61x101x1): Interpolated grid: dx=15mm, dy=15mm

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

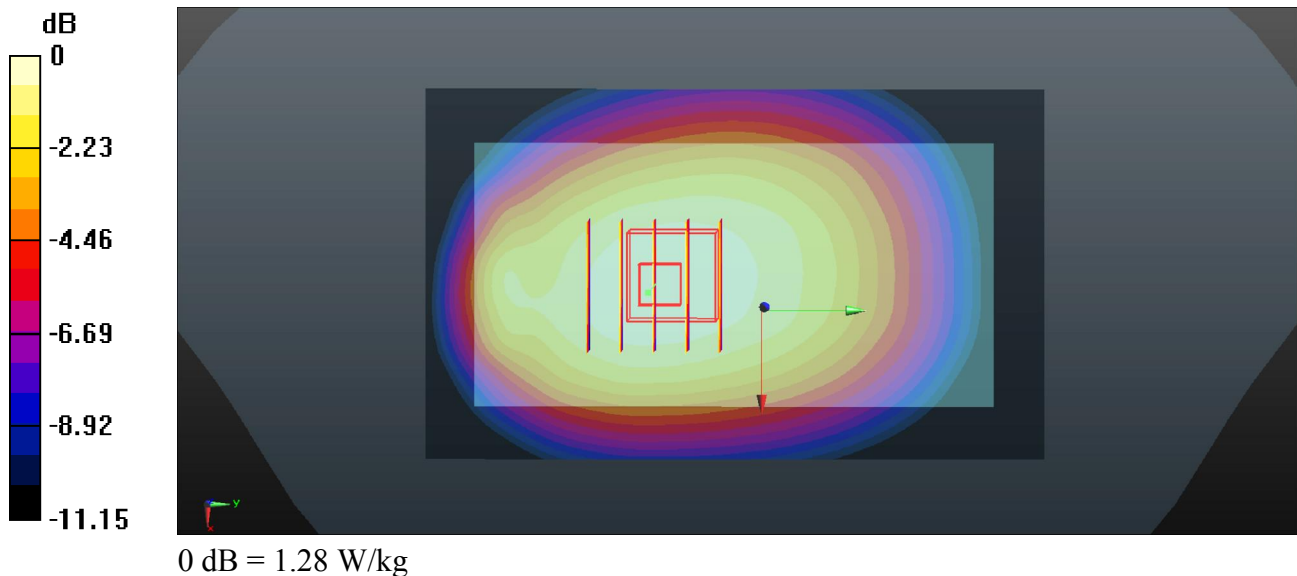
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.34 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 1.090 W/kg; SAR(10 g) = 0.811 W/kg

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



#08 GSM1900_GPRS (GMSK 2 Tx slot)_Back_1.0cm_Ch512

Communication System: UID 0, GPRS (GMSK 2 Tx slot) (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: MSL_1900_150505 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.481$ S/m; $\epsilon_r = 55.4$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.57, 7.57, 7.57); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch512/Area Scan (61x101x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.32 W/kg

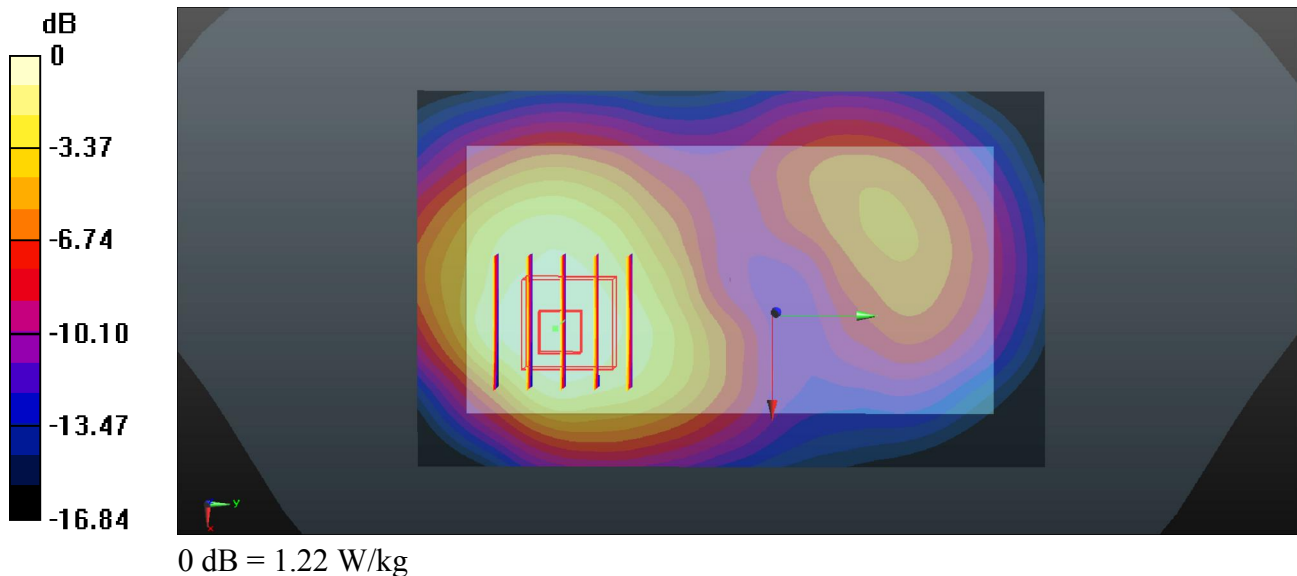
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.968 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.948 W/kg; SAR(10 g) = 0.586 W/kg

Maximum value of SAR (measured) = 1.22 W/kg



#09 WCDMA Band V_RMC 12.2Kbps_Back_1.0cm_Ch4182

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_835_150505 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.979$ S/m; $\epsilon_r = 54.404$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.66, 9.66, 9.66); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/Area Scan (61x101x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.21 W/kg

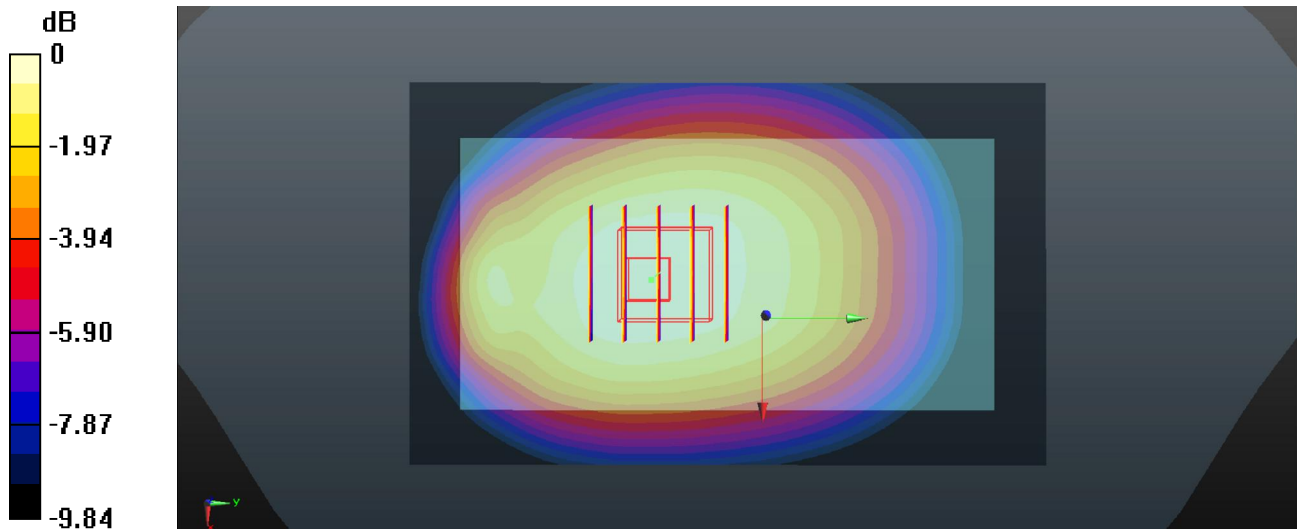
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.89 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 1.030 W/kg; SAR(10 g) = 0.771 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg

#10 WCDMA Band IV_RMC 12.2Kbps_Back_1.0cm_Ch1513

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: MSL_1750_150504 Medium parameters used: $f = 1752.6$ MHz; $\sigma = 1.501$ S/m; $\epsilon_r = 53.259$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.93, 7.93, 7.93); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (61x101x1): Interpolated grid: dx=15mm, dy=15mm

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

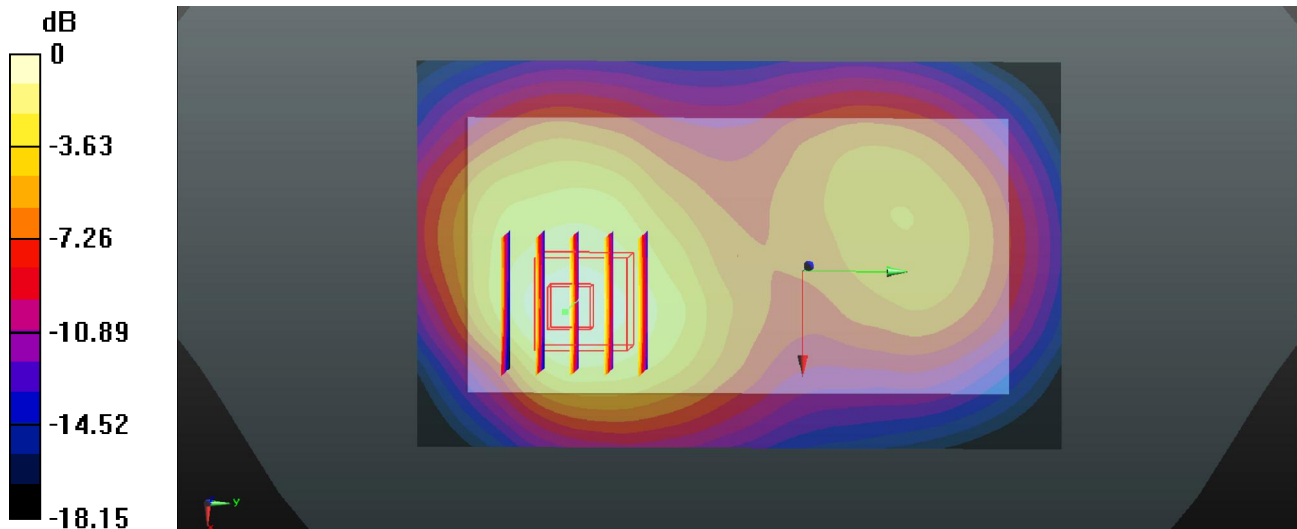
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.42 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 1.170 W/kg; SAR(10 g) = 0.689 W/kg

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg

#11 WLAN2.4GHz_802.11b, 1Mbps_Left side_1.0cm_Ch1

Communication System: UID 0, 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1.025

Medium: MSL_2450_150507 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.944$ S/m; $\epsilon_r = 51.371$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.18, 7.18, 7.18); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (31x121x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0687 W/kg

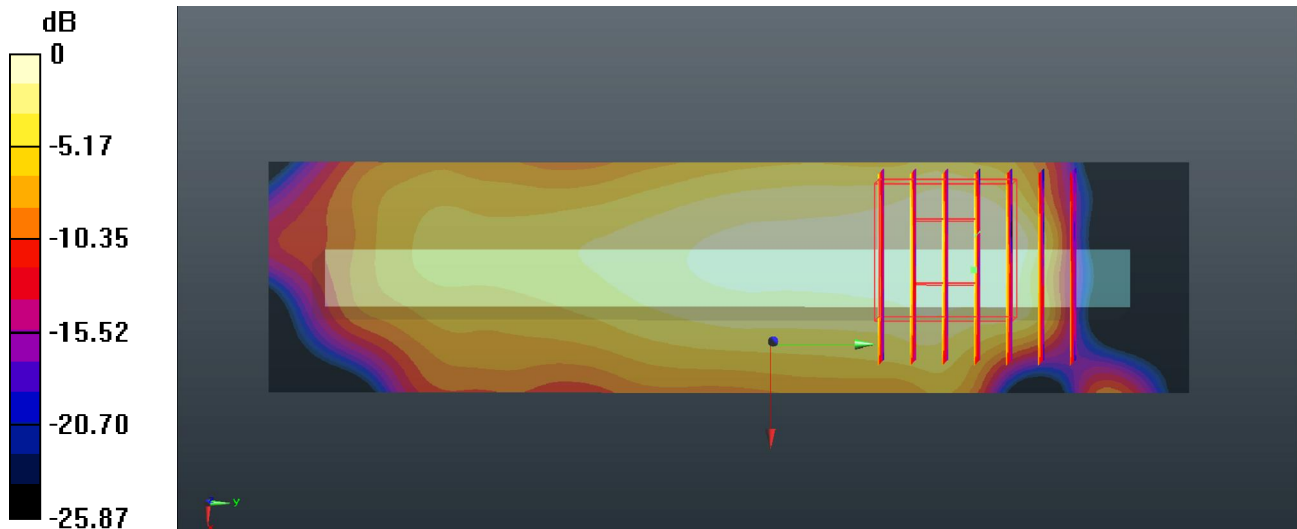
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.855 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0750 W/kg

SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.0524 W/kg



0 dB = 0.0524 W/kg

#12_Bluetooth_1Mbps_Back 1cm_Ch0

Communication System: Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.2

Medium: MSL_2450_150507 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.873$ mho/m; $\epsilon_r =$

51.187; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °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: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch0/Area Scan (81x131x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.027 mW/g

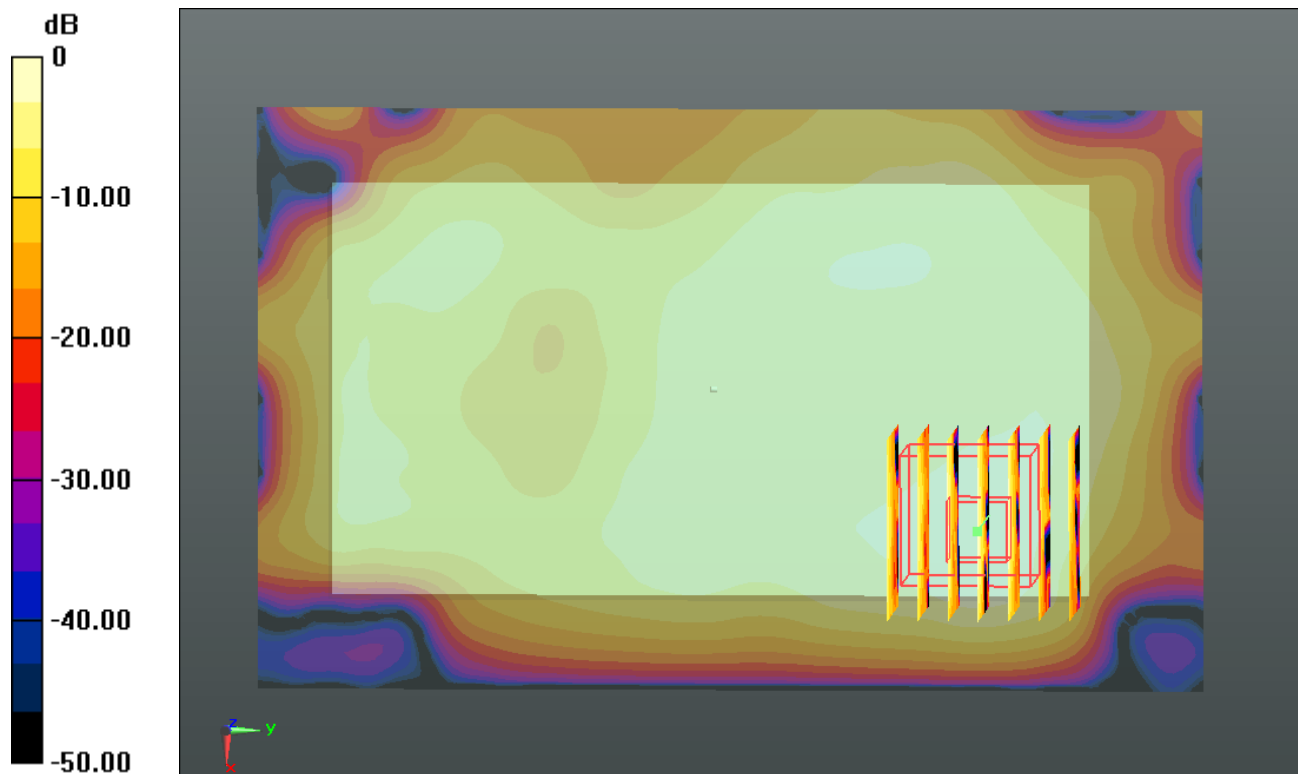
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.048 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.036 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00706 mW/g

Maximum value of SAR (measured) = 0.027 mW/g



#13 WLAN2.4GHz_802.11b, 1Mbps_Front_1.0cm_Ch1

Communication System: UID 0, 802.11b (0); Frequency: 2412 MHz; Duty Cycle: 1:1.025

Medium: MSL_2450_150507 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.944$ S/m; $\epsilon_r = 51.371$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.18, 7.18, 7.18); Calibrated: 2014/10/2;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2014/12/29
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1/Area Scan (71x121x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0471 W/kg

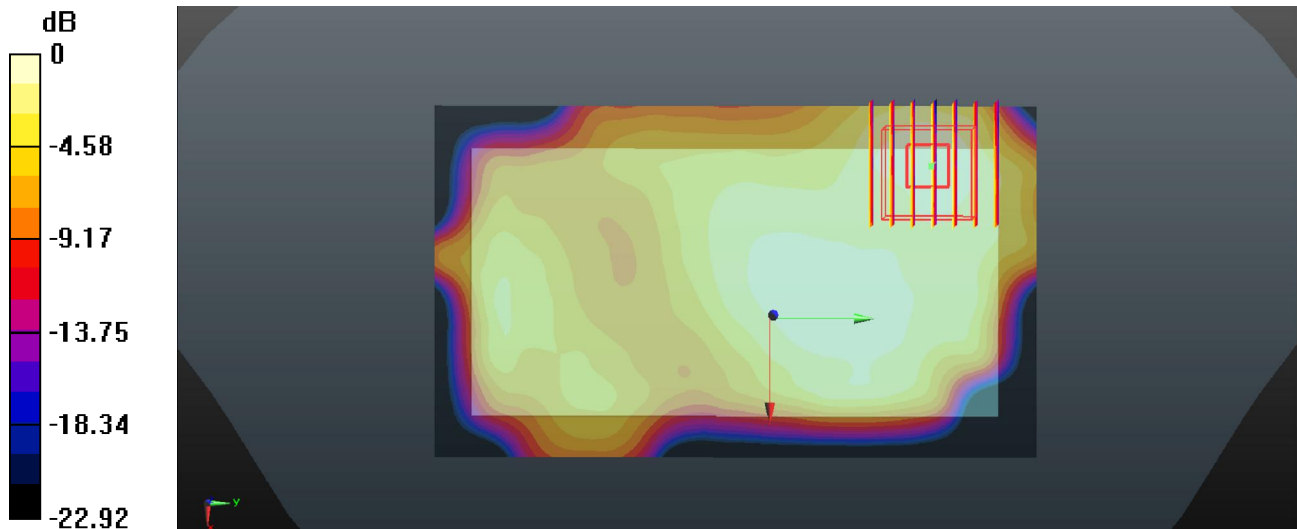
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.460 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0640 W/kg

SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.0465 W/kg



0 dB = 0.0465 W/kg