



Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

#01 GSM850_GPRS (3 Tx slots)_Bottom Face_0cm_Ch128_sensor on

Communication System: GPRS (GMSK 3 Tx slots); Frequency: 824.2 MHz; Duty Cycle: 1:2.77

Medium: MSL_835_140709 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 56.093$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.02, 10.02, 10.02); Calibrated: 2014/4/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2014/4/30
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1201
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch128/Area Scan (81x61x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.64 W/kg

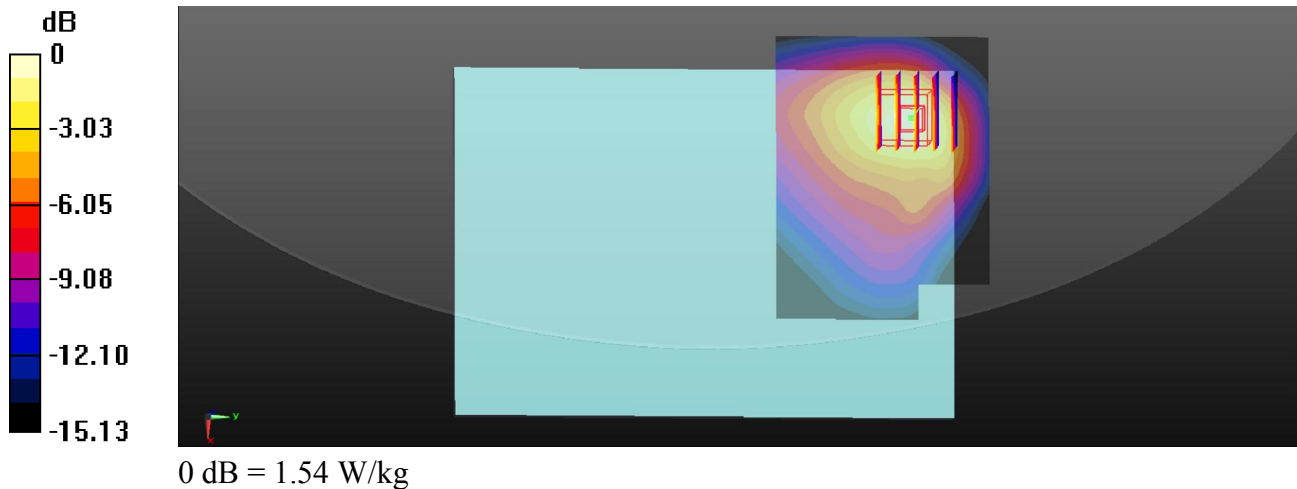
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.952 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 1.160 W/kg; SAR(10 g) = 0.704 W/kg

Maximum value of SAR (measured) = 1.54 W/kg



#02 GSM1900_GPRS (3 Tx slots)_Bottom Face_0cm_Ch810_sensor on

Communication System: GPRS (GMSK 3 Tx slots); Frequency: 1909.8 MHz; Duty Cycle: 1:2.77
 Medium: MSL_1900_140708 Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.544 \text{ S/m}$; $\epsilon_r = 54.546$; $\rho = 1000 \text{ kg/m}^3$
 Ambient Temperature : $23.5 \text{ }^\circ\text{C}$; Liquid Temperature : $22.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.83, 7.83, 7.83); Calibrated: 2014/4/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2014/4/30
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1201
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch810/Area Scan (51x61x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.24 W/kg

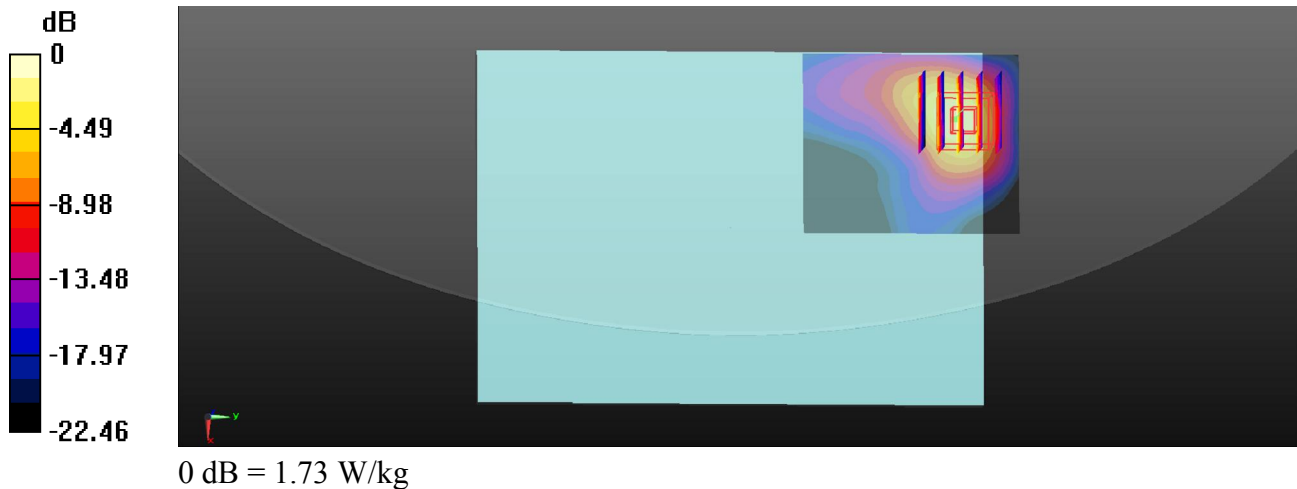
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.813 V/m ; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.26 W/kg

SAR(1 g) = 1.090 W/kg ; SAR(10 g) = 0.465 W/kg

Maximum value of SAR (measured) = 1.73 W/kg



#03 WCDMA Band V_RMC 12.2Kbps_Edge 1_0cm_Ch4233_sensor off

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

Medium: MSL_835_140709 Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.982$ S/m; $\epsilon_r = 55.892$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.02, 10.02, 10.02); Calibrated: 2014/4/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2014/4/30
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1201
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch4233/Area Scan (31x151x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.934 W/kg

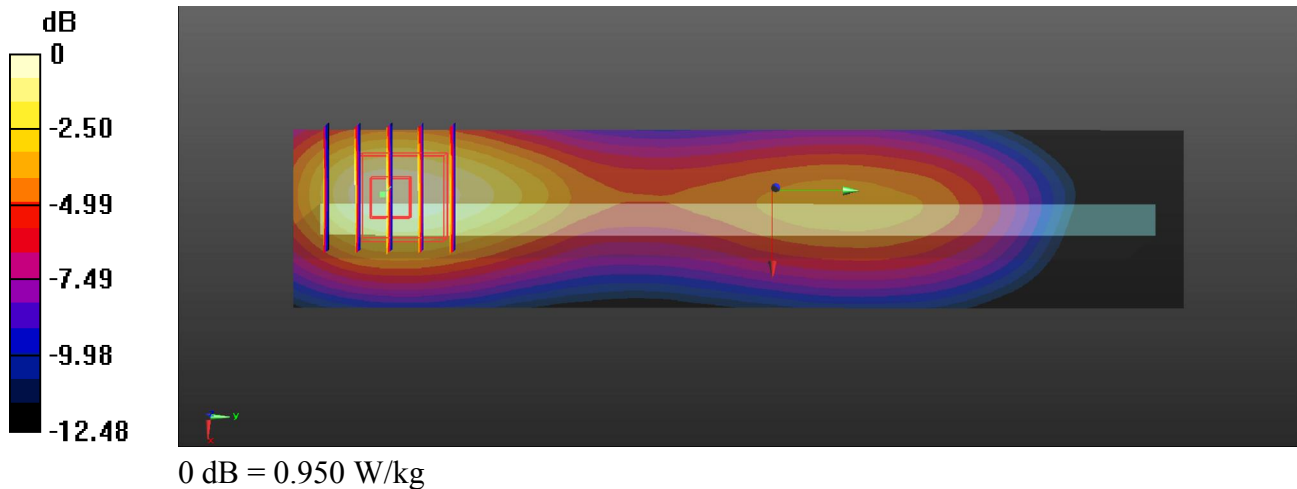
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.288 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.738 W/kg; SAR(10 g) = 0.453 W/kg

Maximum value of SAR (measured) = 0.950 W/kg



#04 WCDMA Band IV_RMC 12.2k_Edge 1_0cm_Ch1513_sensor off

Communication System: WCDMA ; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium: MSL_1750_140708 Medium parameters used: $f = 1752.6$ MHz; $\sigma = 1.525$ S/m; $\epsilon_r = 54.433$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.11, 8.11, 8.11); Calibrated: 2014/4/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2014/4/30
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1201
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch1513/Area Scan (31x151x1): Interpolated grid: dx=15mm, dy=15mm

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

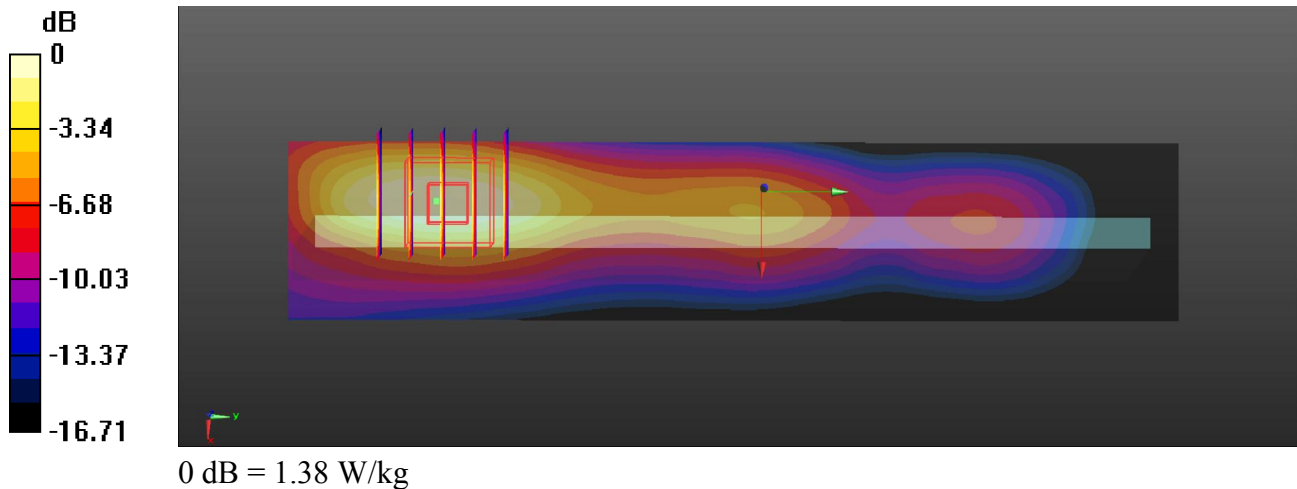
Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.894 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.060 W/kg; SAR(10 g) = 0.587 W/kg

Maximum value of SAR (measured) = 1.38 W/kg



#05 WCDMA Band II_RMC 12.2Kbps_Edge 1_0cm_Ch9400_sensor off

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

Medium: MSL_1900_140708 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ S/m; $\epsilon_r = 54.594$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.83, 7.83, 7.83); Calibrated: 2014/4/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2014/4/30
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1201
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch9400/Area Scan (31x151x1): Interpolated grid: dx=15mm, dy=15mm

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

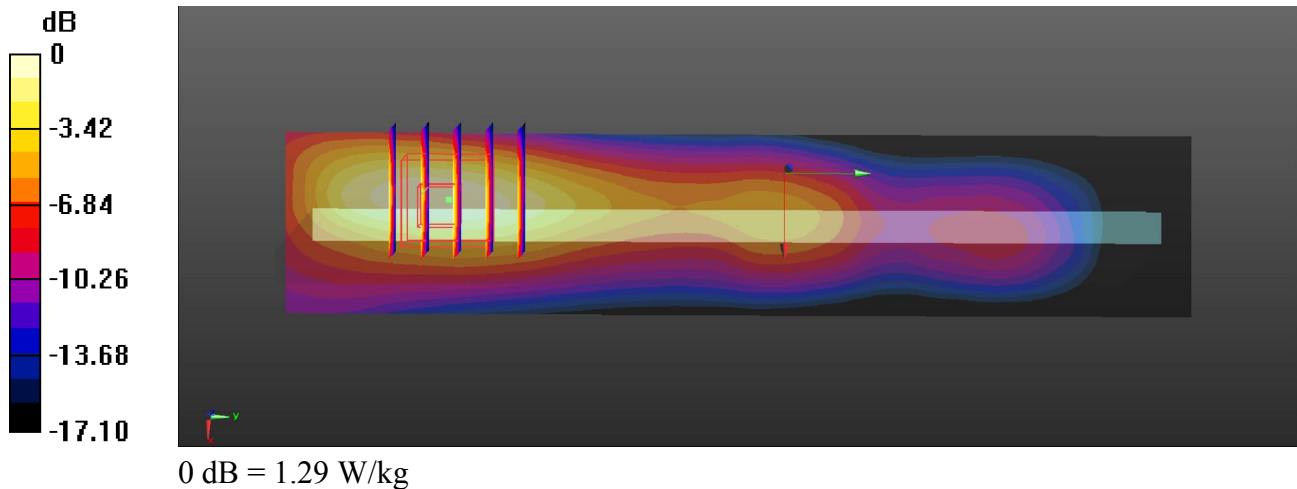
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.814 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.531 W/kg

Maximum value of SAR (measured) = 1.29 W/kg



#06 LTE Band 5_QPSK_10M(1,0)_Edge 1_0cm_Ch20525_sensor off

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

Medium: MSL_835_140709 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.972$ S/m; $\epsilon_r = 55.99$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.02, 10.02, 10.02); Calibrated: 2014/4/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2014/4/30
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1201
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch20525/Area Scan (31x151x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.677 W/kg

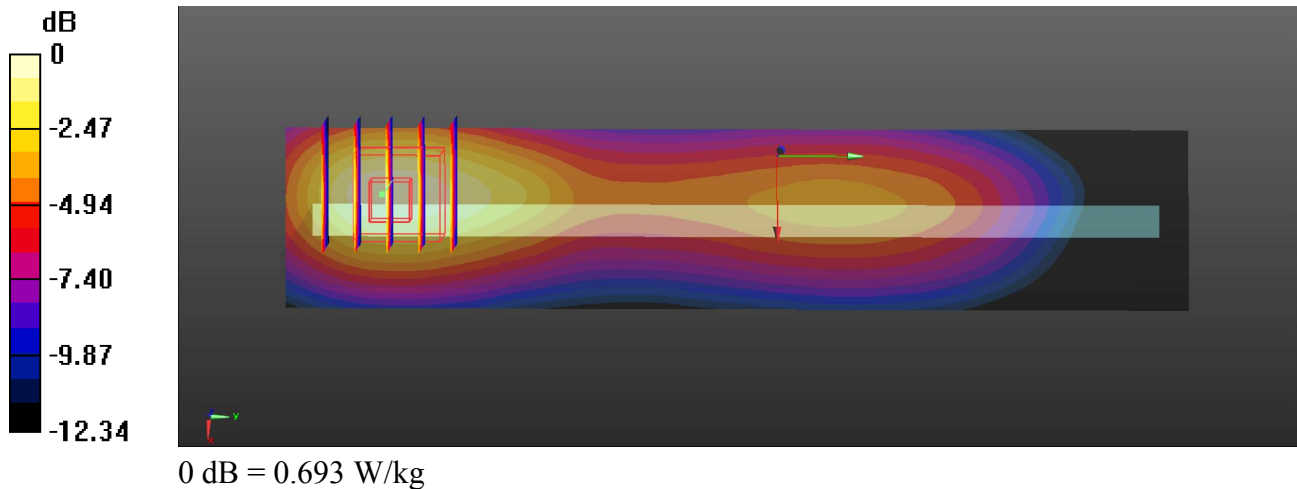
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.108 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.873 W/kg

SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.693 W/kg



#07 LTE Band 4_QPSK_20M(1,0)_Edge 1_0cm_Ch20300_sensor off

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_140708 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.516$ S/m; $\epsilon_r = 54.446$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.11, 8.11, 8.11); Calibrated: 2014/4/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2014/4/30
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1201
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch20300/Area Scan (31x151x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.988 W/kg

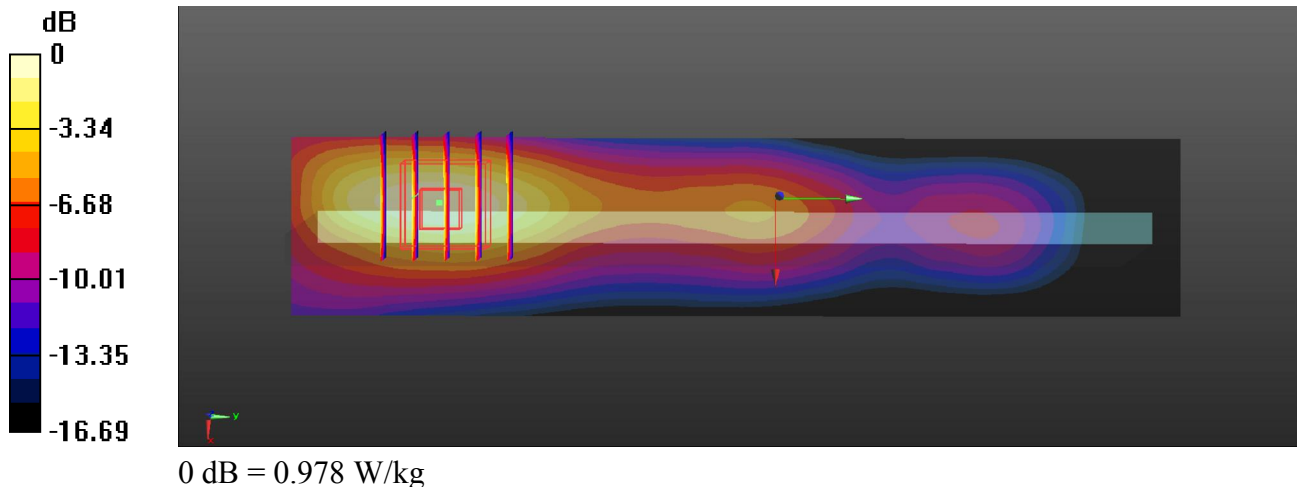
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.754 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.752 W/kg; SAR(10 g) = 0.414 W/kg

Maximum value of SAR (measured) = 0.978 W/kg



#08 LTE Band 2_QPSK_20M(1,0)_Edge 1_0cm_Ch19100_sensor off

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

Medium: MSL_1900_140708 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.535$ S/m; $\epsilon_r = 54.565$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.83, 7.83, 7.83); Calibrated: 2014/4/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2014/4/30
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1201
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch19100/Area Scan (31x151x1): Interpolated grid: dx=15mm, dy=15mm

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

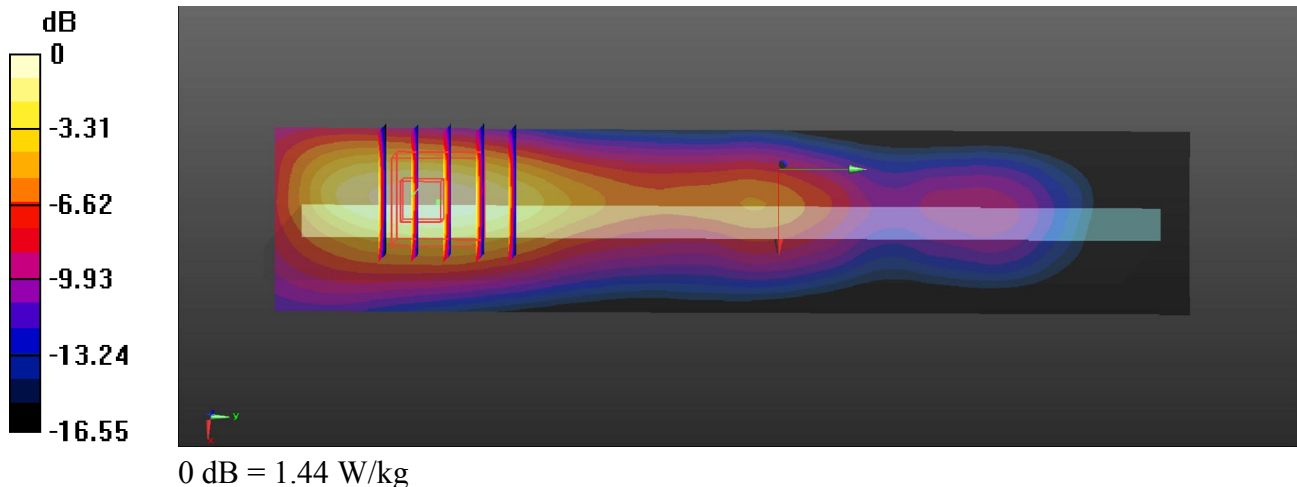
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.556 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.030 W/kg; SAR(10 g) = 0.562 W/kg

Maximum value of SAR (measured) = 1.44 W/kg



#09 LTE Band 7_QPSK_20M(1,0)_Edge 1_0cm_Ch21350_sensor off

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: MSL_2600_140708 Medium parameters used: $f = 2560$ MHz; $\sigma = 2.114$ S/m; $\epsilon_r = 53.782$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.09, 7.09, 7.09); Calibrated: 2014/4/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2014/4/30
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1201
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch21350/Area Scan (41x191x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 1.12 W/kg

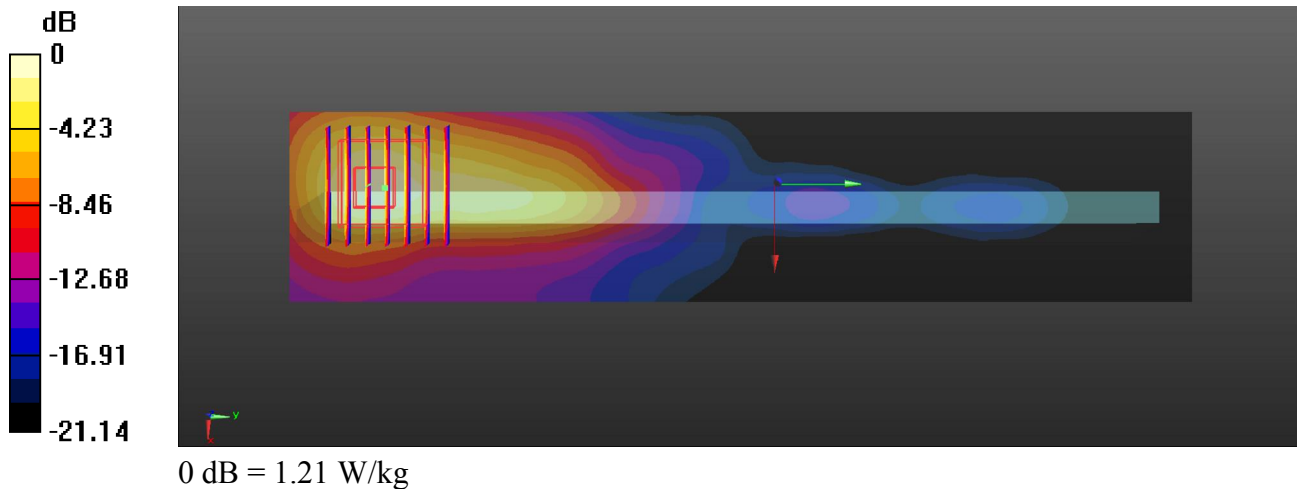
Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.169 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.364 W/kg

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



#10_WLAN 2.4GHz_802.11b_1Mbps_Bottom Face 0cm_Ch6_Ant.1

Communication System: WIFI (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL_2450_140721 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.924$ mho/m; $\epsilon_r =$

51.008; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °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: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch6/Area Scan (61x111x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 1.457 mW/g

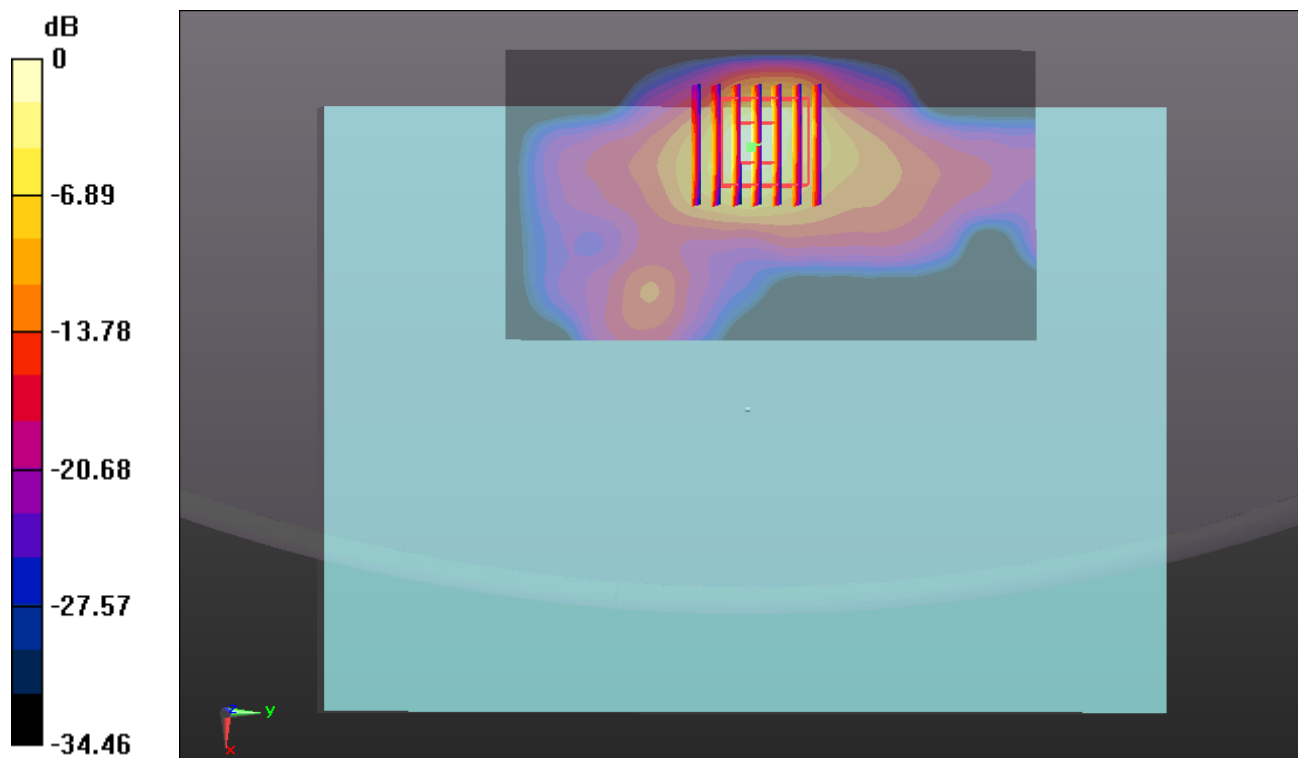
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.767 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.324 W/kg

SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 1.453 mW/g



0 dB = 1.450mW/g

#11_WLAN 5.2GHz_802.11a_6Mbps_Edge2 0cm_Ch36_Ant.0

Communication System: WIFI (0); Frequency: 5180 MHz; Duty Cycle: 1:1.044

Medium: MSL_5000_140712 Medium parameters used: $f = 5180$ MHz; $\sigma = 5.104$ mho/m; $\epsilon_r =$

47.493; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °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: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch36/Area Scan (61x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.947 mW/g

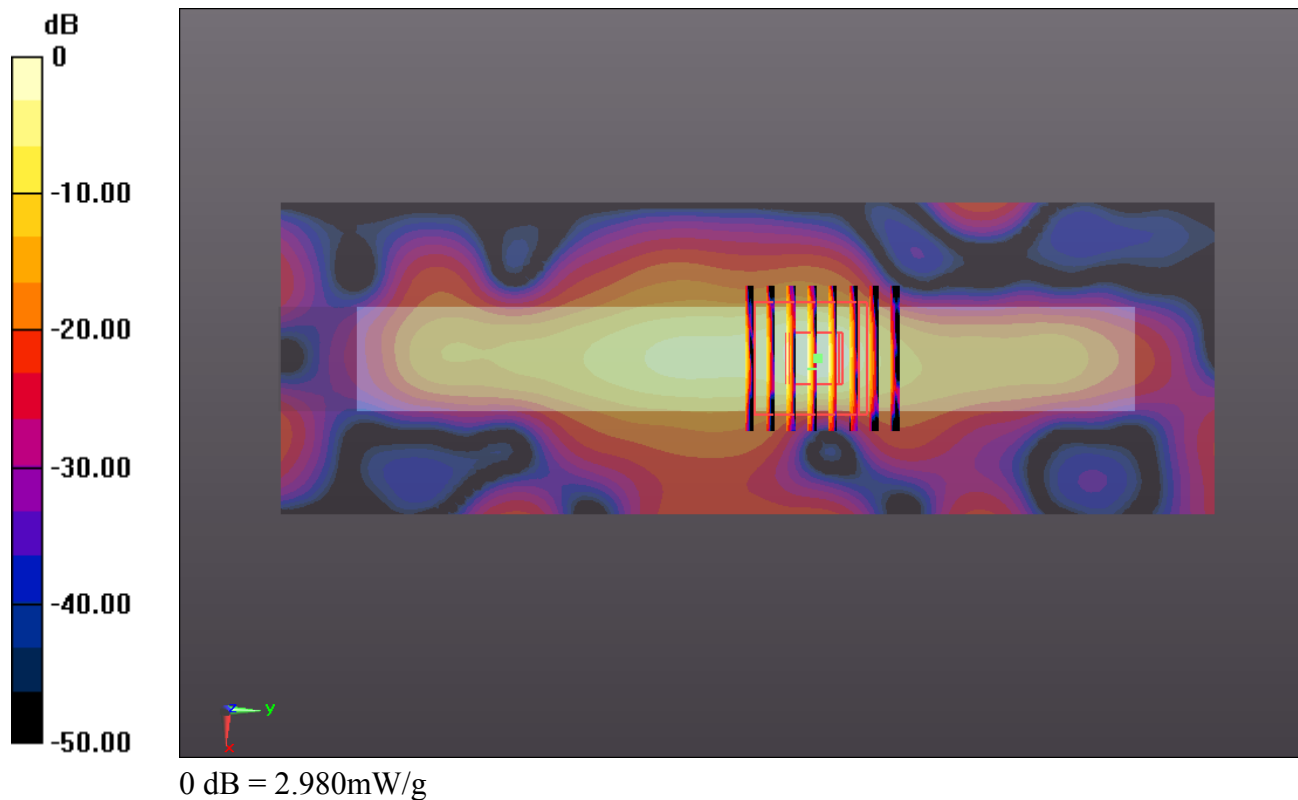
Ch36/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.348 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.971 W/kg

SAR(1 g) = 1.270 mW/g; SAR(10 g) = 0.279 mW/g

Maximum value of SAR (measured) = 2.978 mW/g



#12_WLAN 5.8GHz_802.11a_6Mbps_Edge2 0cm_Ch165_Ant.0

Communication System: WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1.044

Medium: MSL_5000_140713 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.054$ mho/m; $\epsilon_r =$

46.462; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °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: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.4.5 (3634)

Ch165/Area Scan (91x221x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.600 mW/g

Ch165/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.931 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 5.086 W/kg

SAR(1 g) = 1.300 mW/g; SAR(10 g) = 0.332 mW/g

Maximum value of SAR (measured) = 3.248 mW/g

