

#01_CDMA2000 BC0_RETAP 4096_Left Cheek_Ch1013

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: HSL_835_140115 Medium parameters used: $f = 825$ MHz; $\sigma = 0.895$ mho/m; $\epsilon_r = 42.385$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.35, 9.35, 9.35); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.485 mW/g

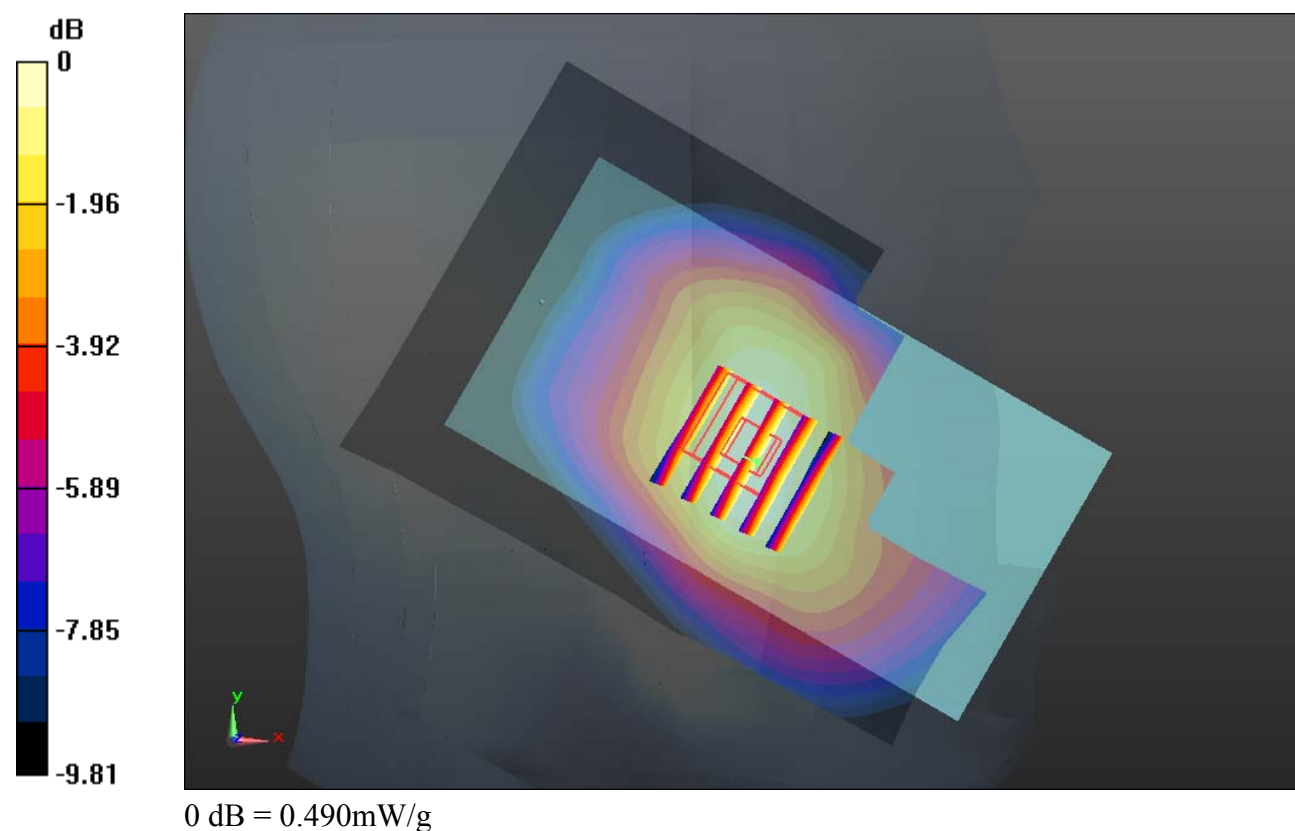
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.437 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.537 W/kg

SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.326 mW/g

Maximum value of SAR (measured) = 0.489 mW/g



#02_CDMA2000 BC1_RC3 SO55_Left Check_Ch600

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL_1900_140119 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.403$ mho/m; $\epsilon_r =$

38.972 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.04, 8.04, 8.04); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 1.085 mW/g

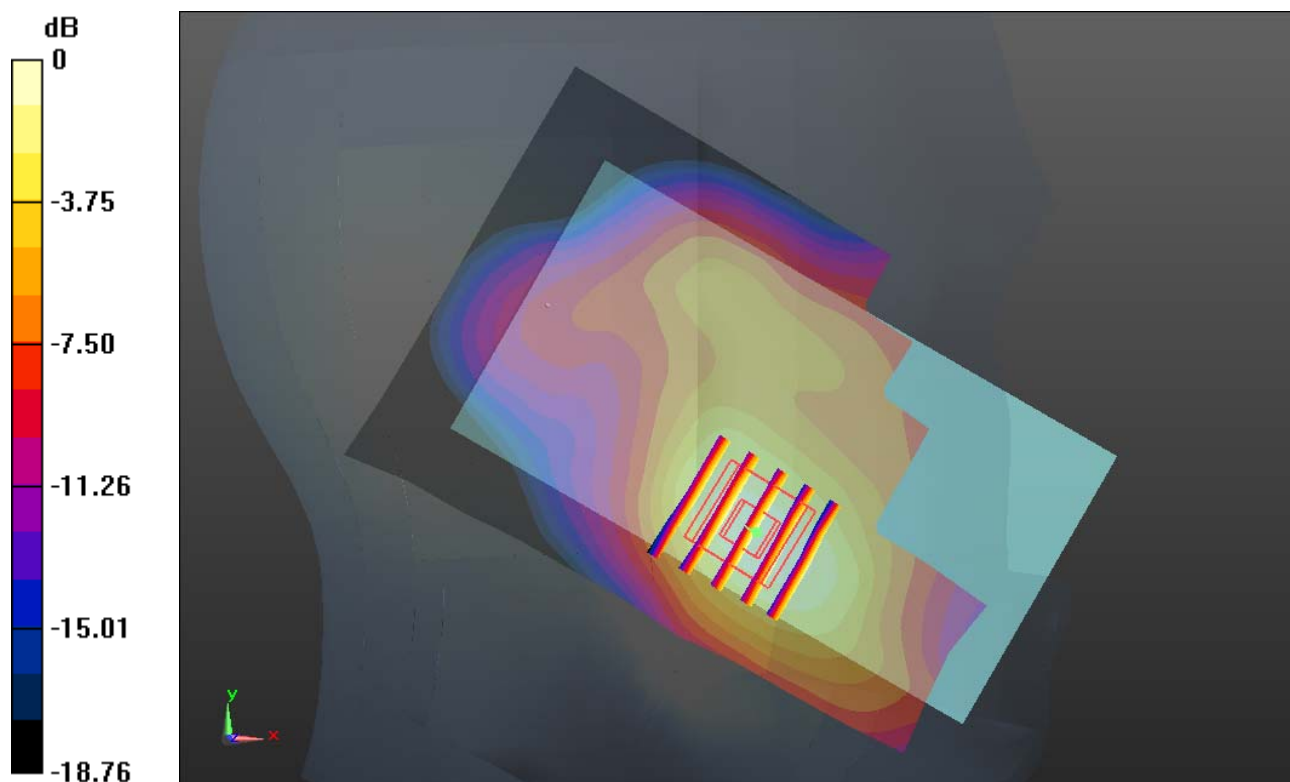
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.537 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.311 W/kg

SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.476 mW/g

Maximum value of SAR (measured) = 1.083 mW/g



0 dB = 1.080 mW/g

#03_LTE Band 2_20M_QPSK(1,0)_Right Cheek_Ch18900

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

Medium: HSL_1900_140119 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.403$ mho/m; $\epsilon_r =$

38.972; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.04, 8.04, 8.04); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.040 mW/g

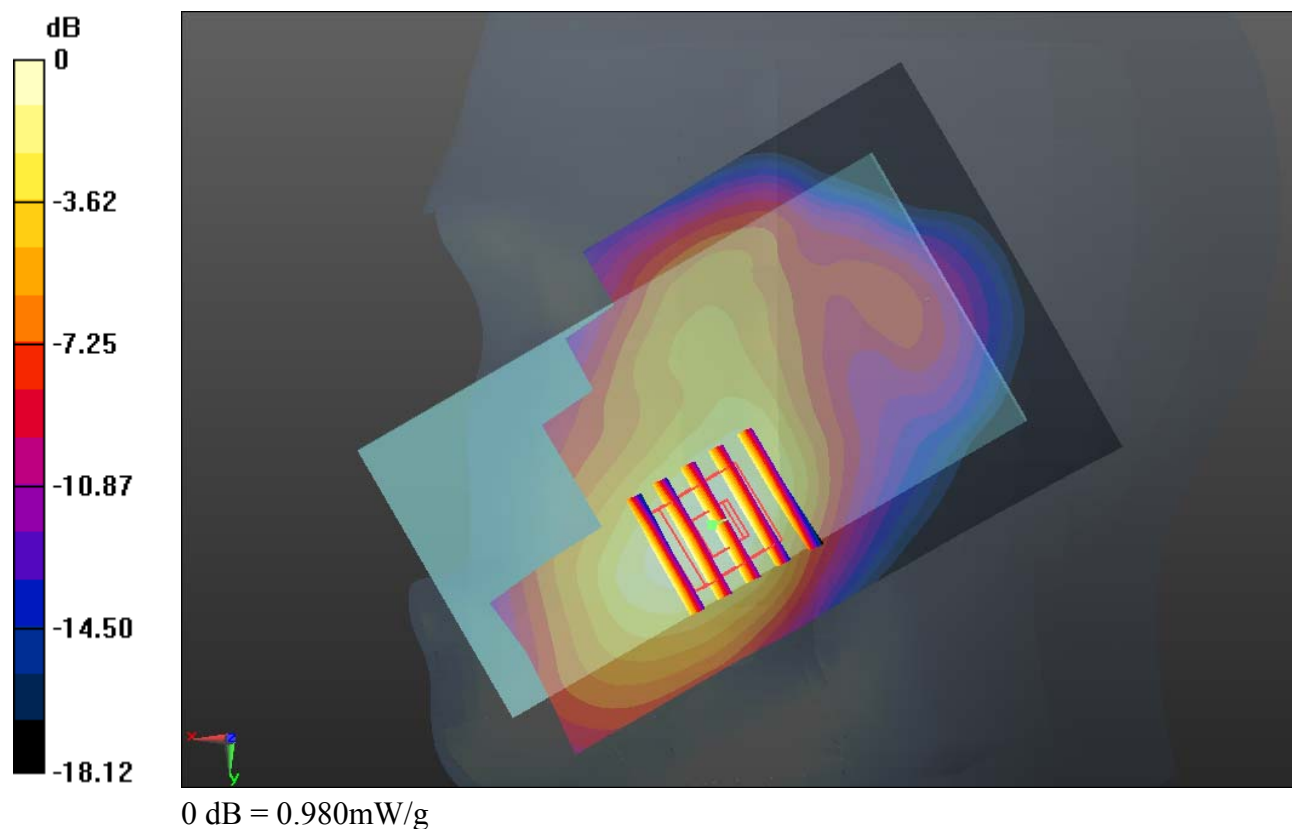
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.751 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.214 W/kg

SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.470 mW/g

Maximum value of SAR (measured) = 0.980 mW/g



#04_LTE Band 4_20M_QPSK(1,49)_Right Cheek_Ch20175

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_140119 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.364$ mho/m; $\epsilon_r =$

41.388; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.41, 8.41, 8.41); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.752 mW/g

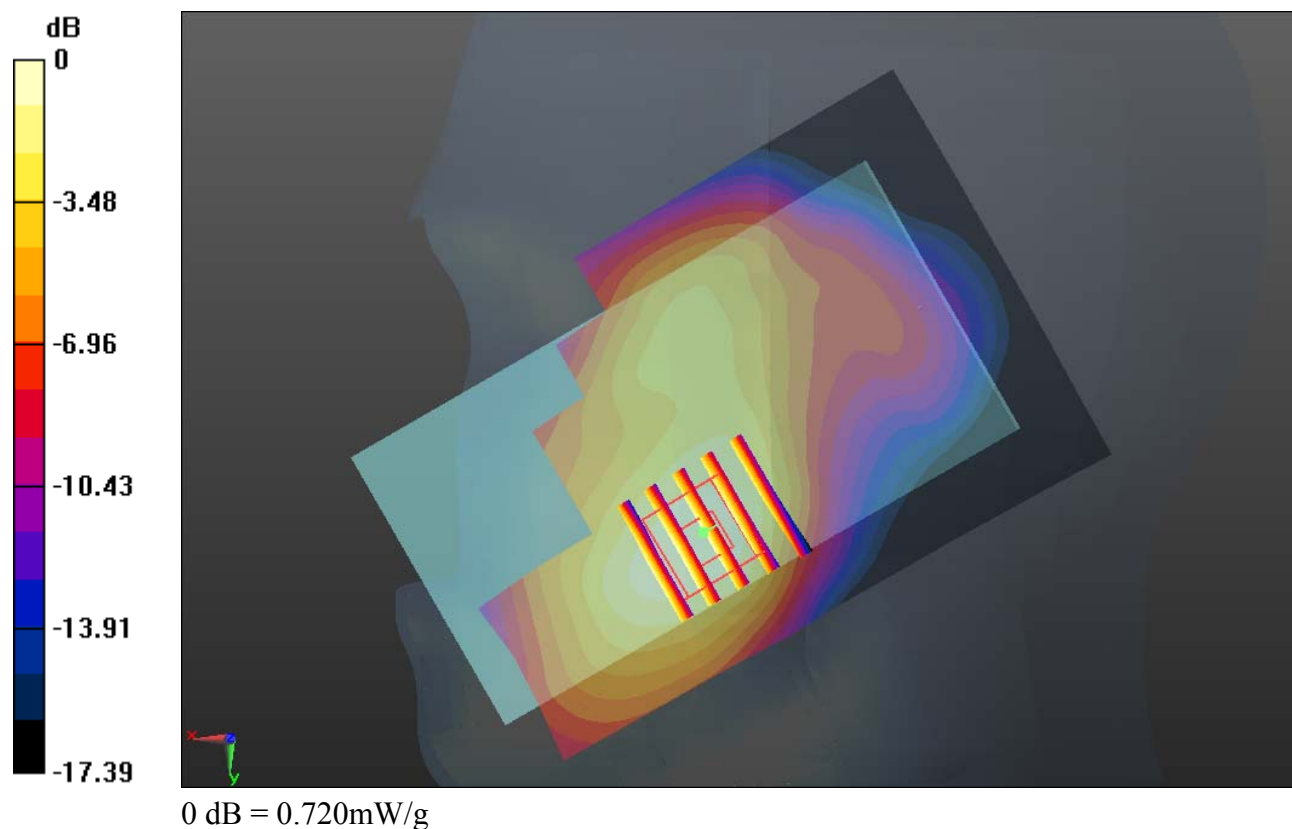
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.305 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.864 W/kg

SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.371 mW/g

Maximum value of SAR (measured) = 0.718 mW/g



#05_LTE Band 5_10M_QPSK(1,0)_Left Cheek_Ch20450

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: HSL_835_140115 Medium parameters used: $f = 829$ MHz; $\sigma = 0.899$ mho/m; $\epsilon_r = 42.341$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.35, 9.35, 9.35); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch20450/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.672 mW/g

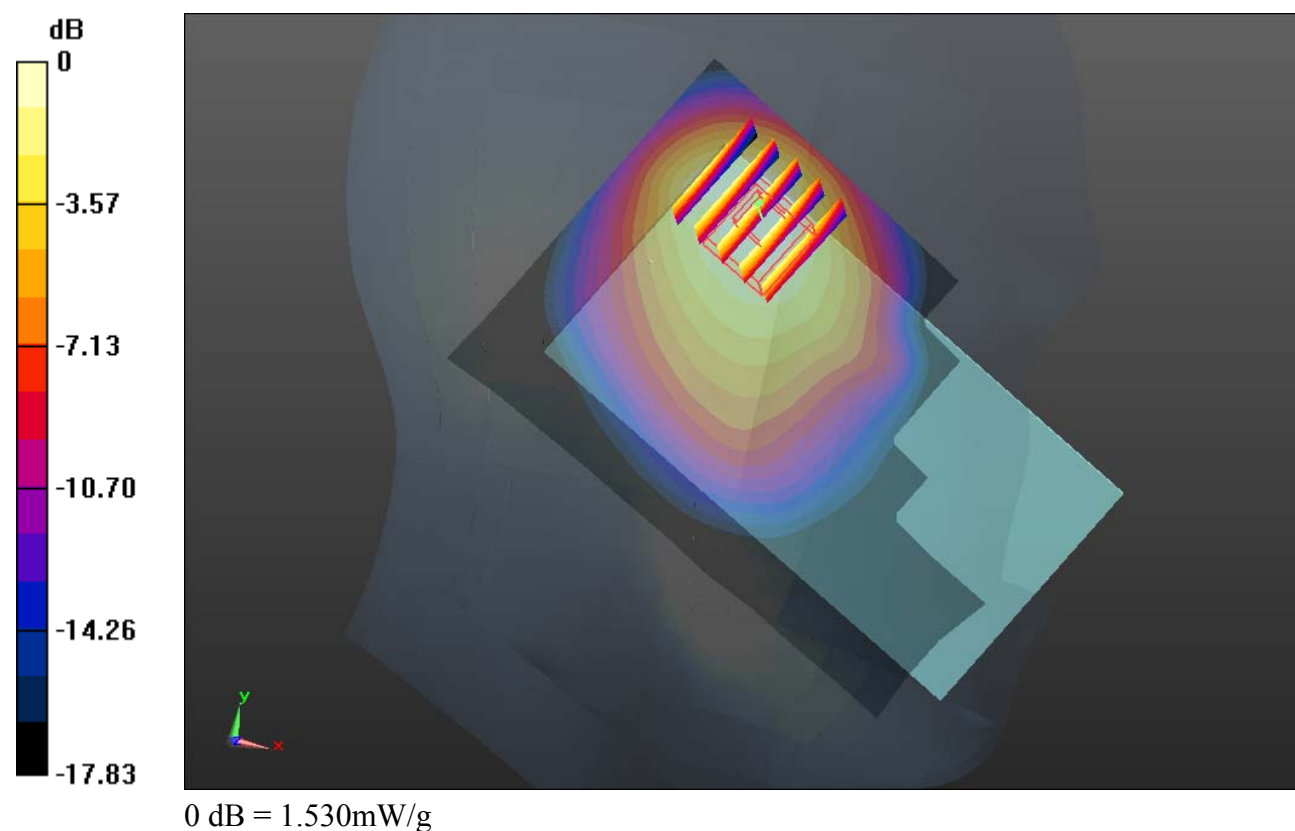
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.633 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.922 W/kg

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.751 mW/g

Maximum value of SAR (measured) = 1.534 mW/g



#06_LTE Band 12_10M_QPSK(1,24)_Right Cheek_Ch23095

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: HSL_750_140118 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.864$ mho/m; $\epsilon_r = 42.44$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.7, 9.7, 9.7); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.537 mW/g

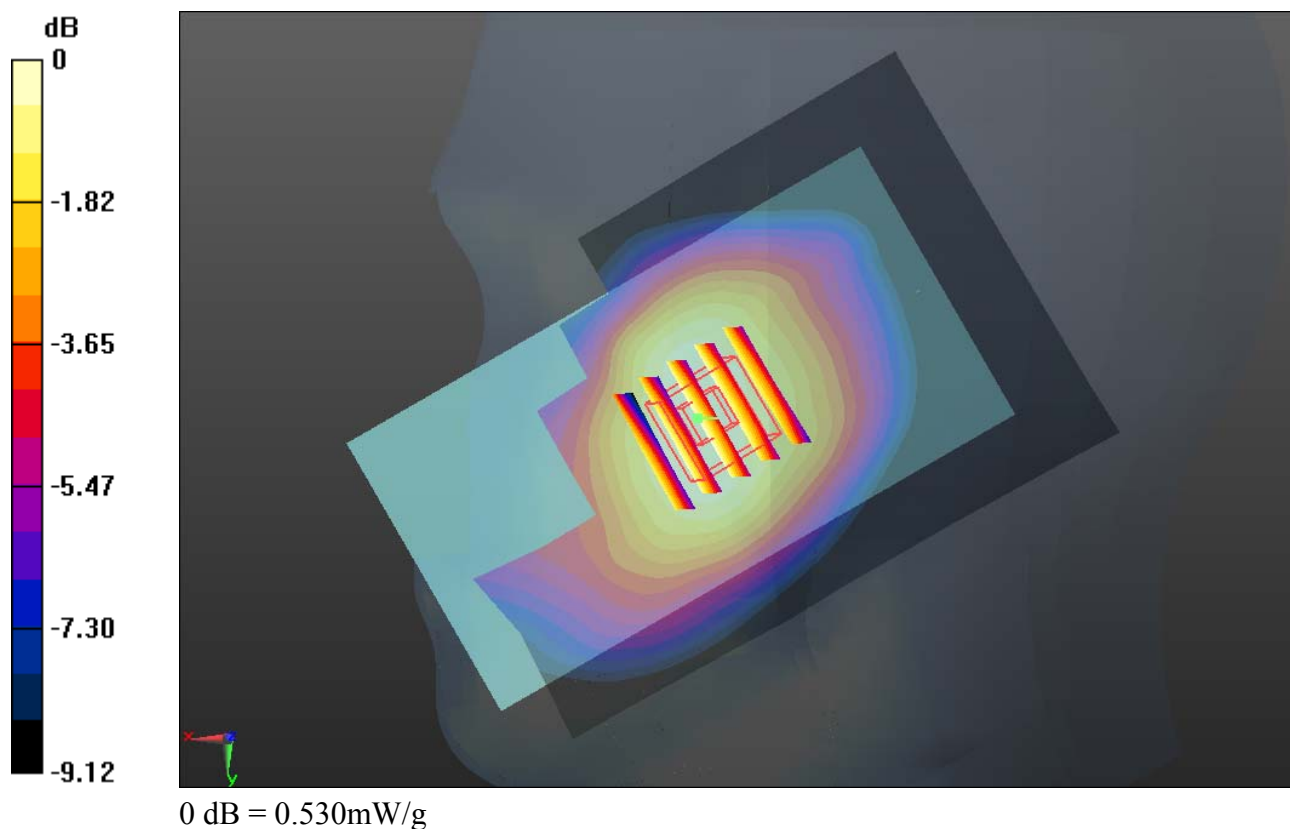
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.369 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.480 mW/g; SAR(10 g) = 0.381 mW/g

Maximum value of SAR (measured) = 0.532 mW/g



#07_LTE Band 17_10M_QPSK(1,24)_Right Cheek_Ch23790

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_140118 Medium parameters used: $f = 710$ MHz; $\sigma = 0.866$ mho/m; $\epsilon_r = 42.416$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.7, 9.7, 9.7); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.602 mW/g

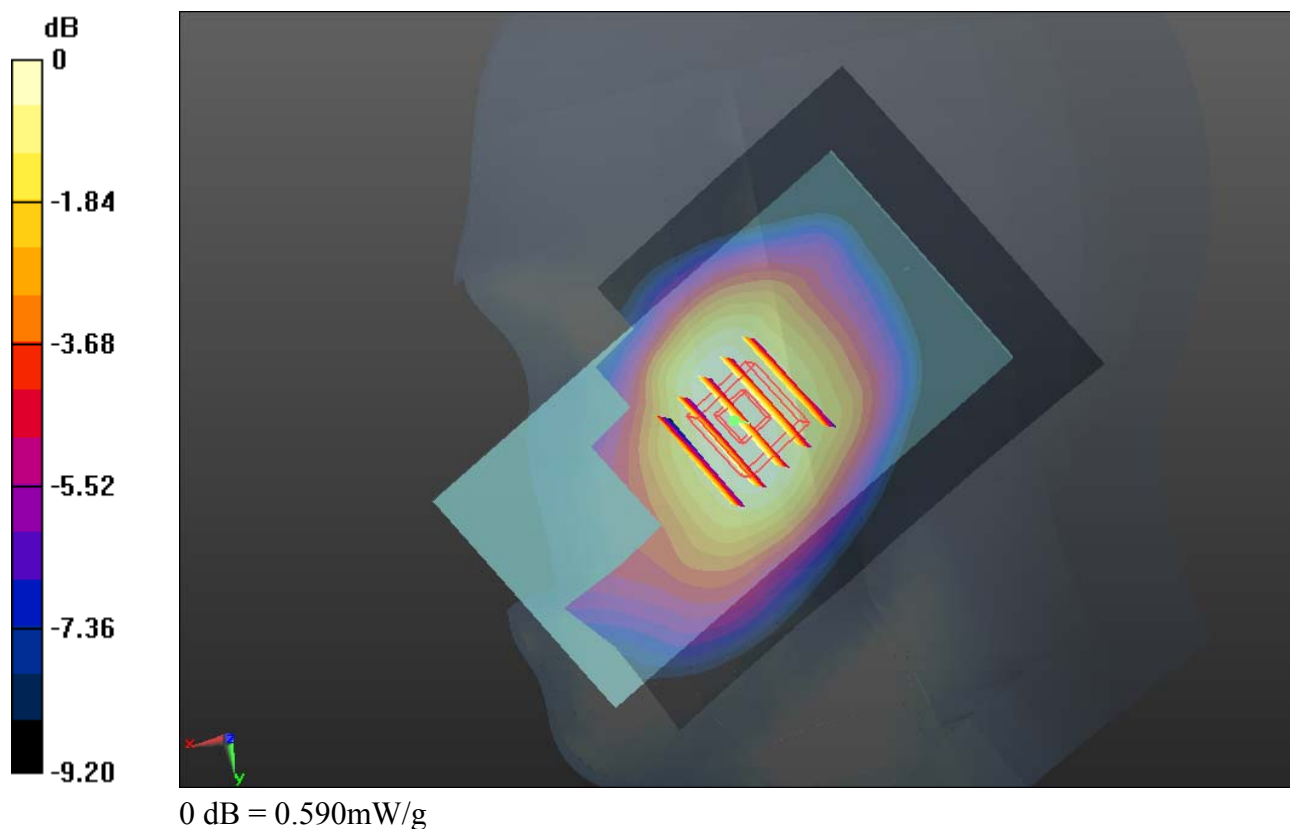
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.780 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.426 mW/g

Maximum value of SAR (measured) = 0.593 mW/g



#08_WLAN 2.4GHz_802.11b_1M_Left Cheek_Ch1

Communication System: WIFI; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL_2450_140119 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.767$ mho/m; $\epsilon_r =$

39.968 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.05, 7.05, 7.05); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (91x141x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 0.107 mW/g

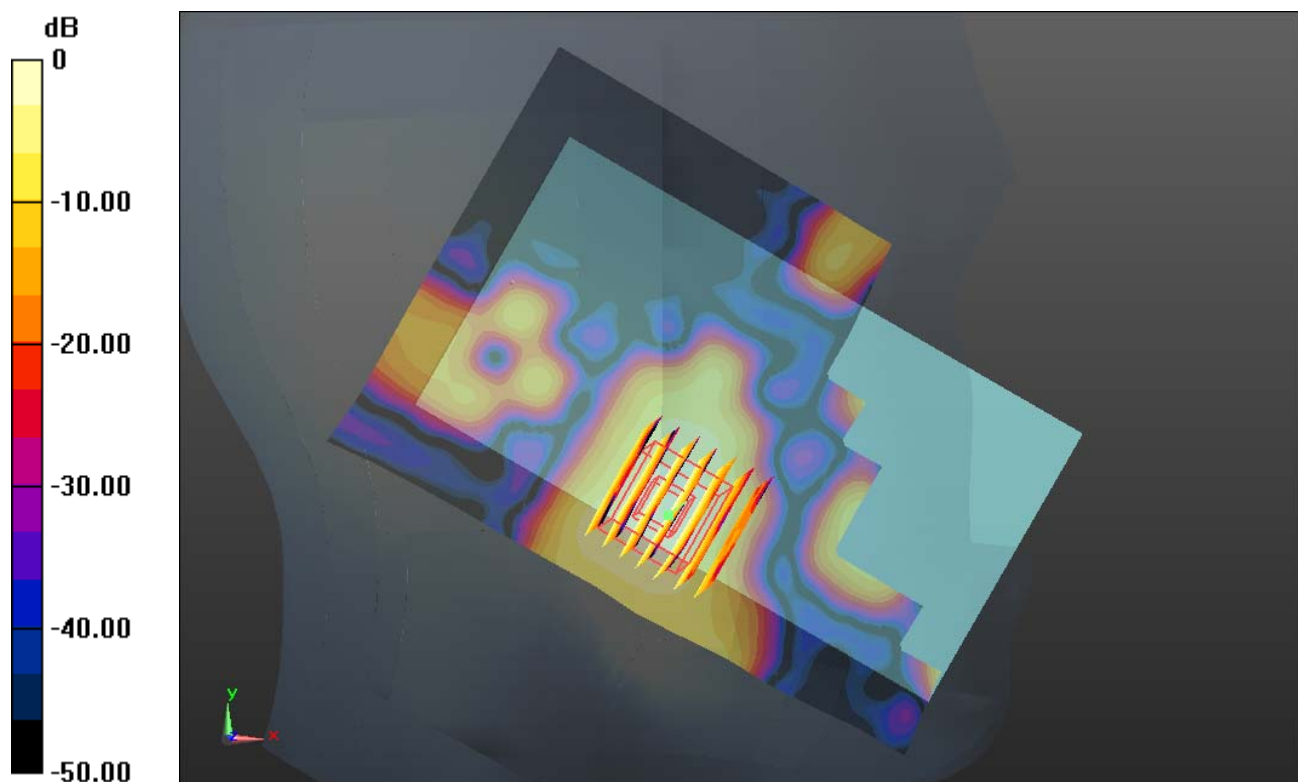
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.368 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.150 W/kg

SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.102 mW/g



0 dB = 0.100 mW/g

#09_WLAN 5.2GHz _802.11ac VTH80_MCS0_Left Cheek_Ch42

Communication System: WIFI; Frequency: 5210 MHz; Duty Cycle: 1:1.307

Medium: HSL_5000_140120 Medium parameters used: $f = 5210$ MHz; $\sigma = 4.825$ mho/m; $\epsilon_r =$

35.417 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(5.26, 5.26, 5.26); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch42/Area Scan (111x171x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.360 mW/g

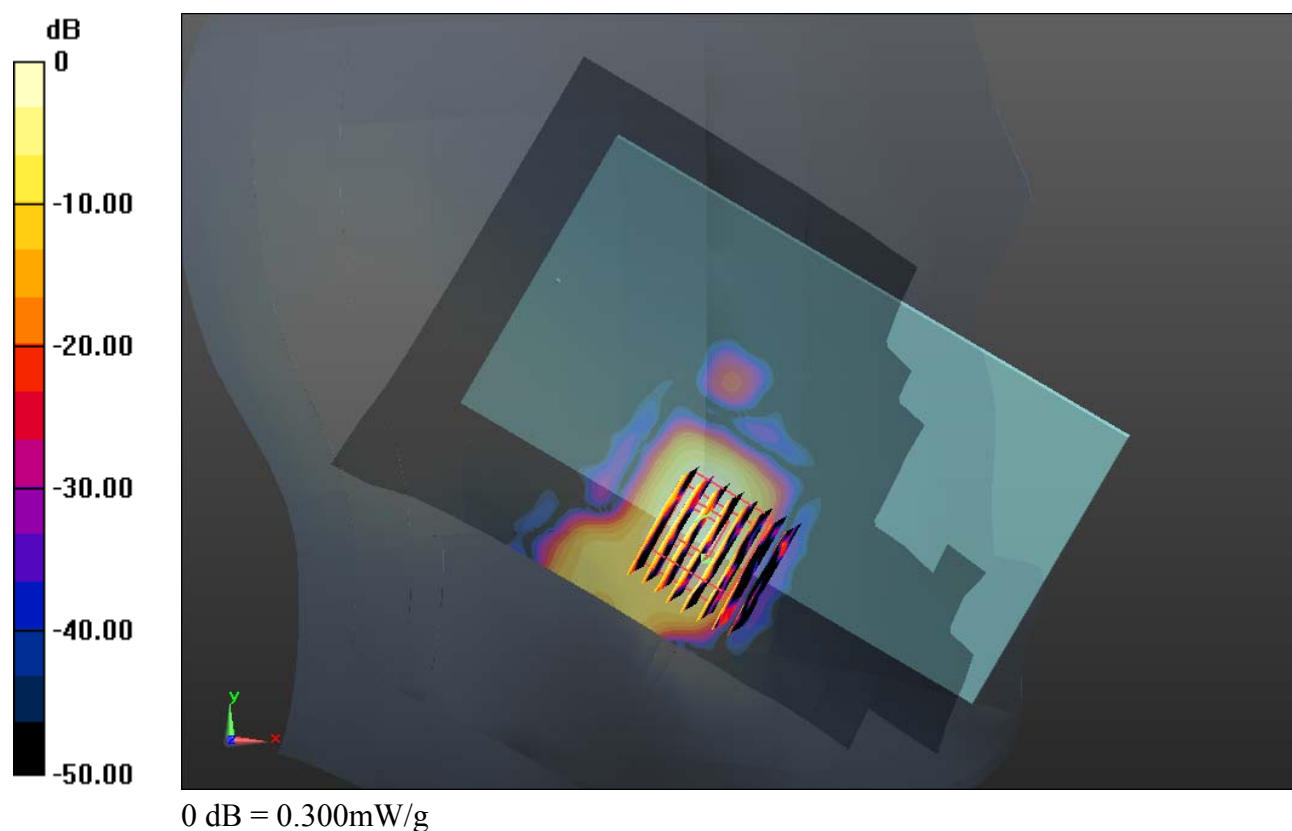
Ch42/Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 0 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.020 W/kg

SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.302 mW/g



#10_WLAN 5GHz_802.11a_6M_Left Cheek_Ch149

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.07127

Medium: HSL_5000_140120 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.387$ mho/m; $\epsilon_r =$

34.459; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.89, 4.89, 4.89); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch149/Area Scan (101x171x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.265 mW/g

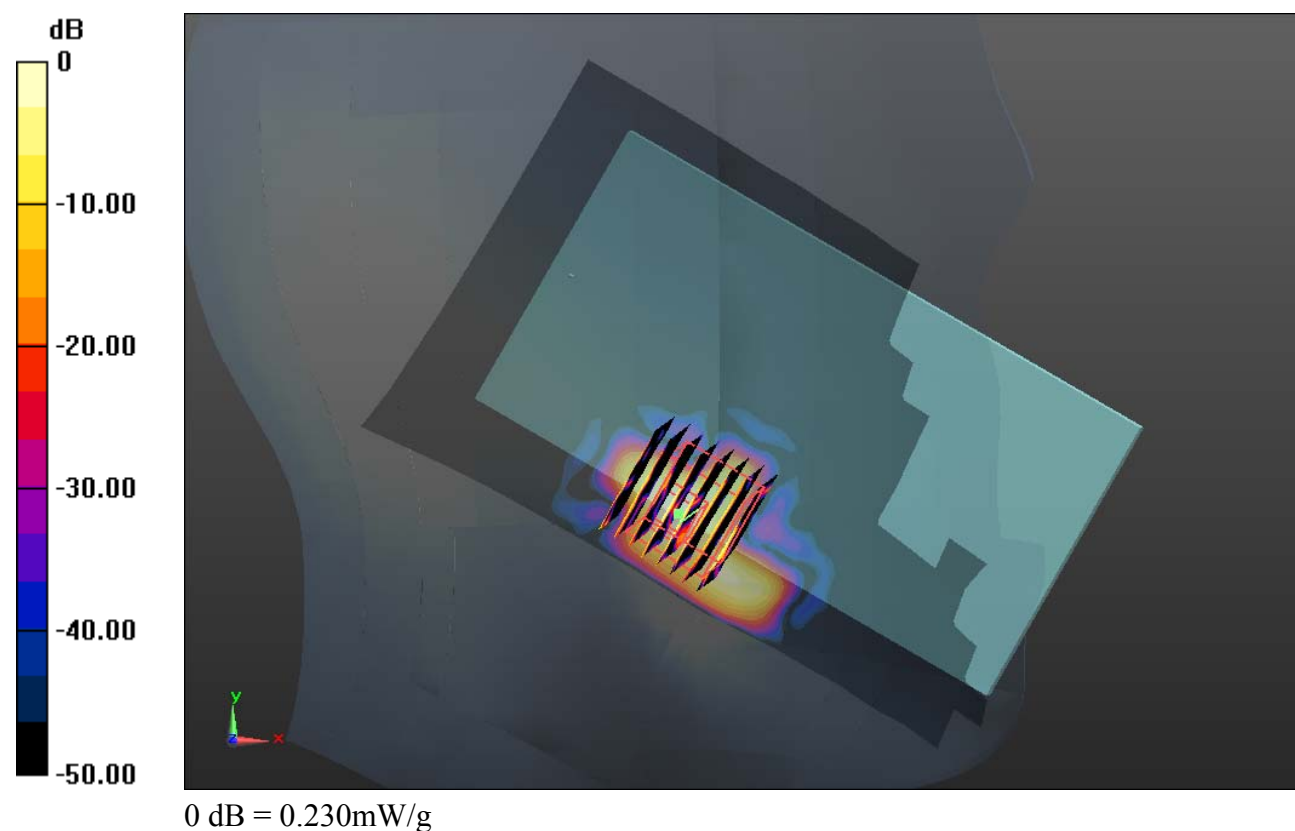
Ch149/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.400 W/kg

SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.233 mW/g



#11_CDMA2000 BC0_RTAP 153.6_Left Side 1cm_Ch1013

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_835_140116 Medium parameters used: $f = 825$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.959$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.48, 9.48, 9.48); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.034 mW/g

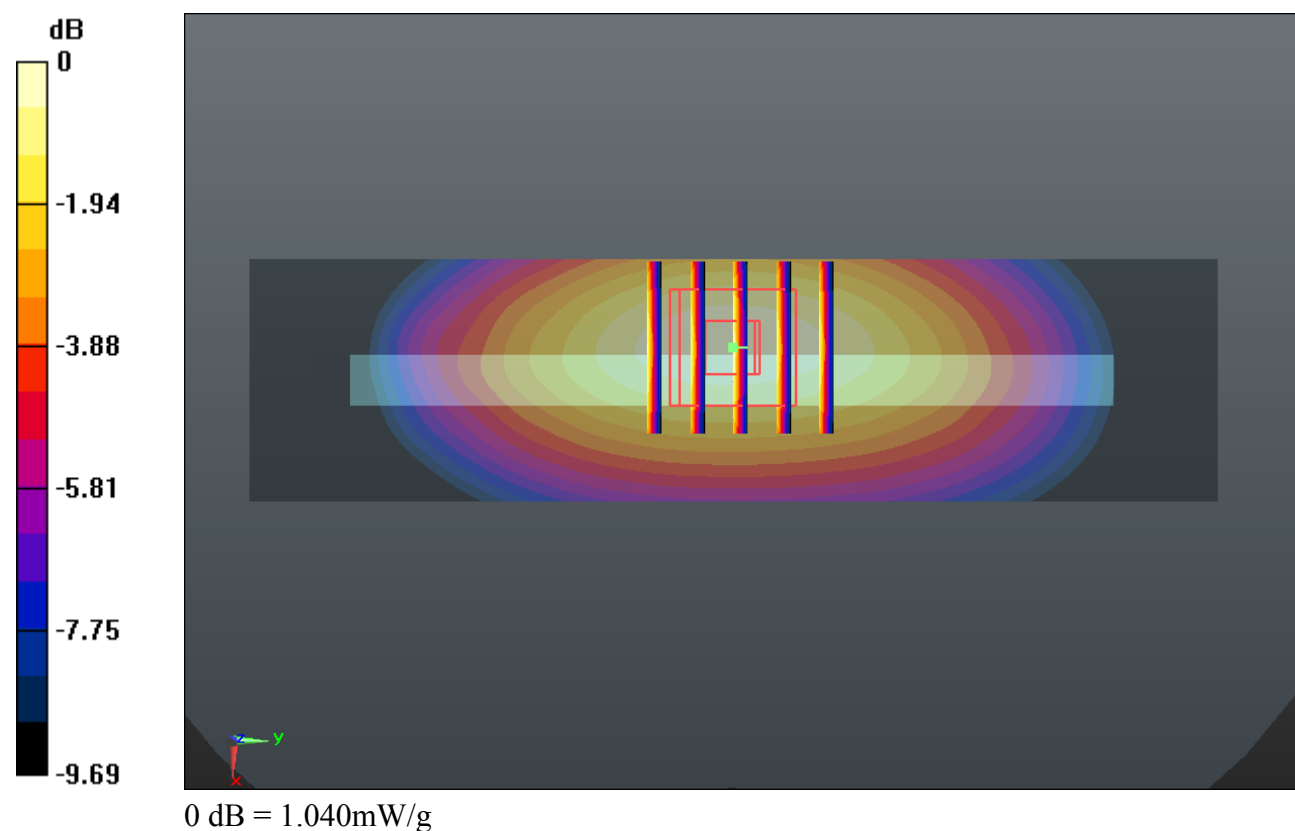
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.976 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.210 W/kg

SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.559 mW/g

Maximum value of SAR (measured) = 1.035 mW/g



#12_CDMA2000 BC1_RTAP 153.6_Bottom Side 1cm_Ch600

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_140113 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.527$ mho/m; $\epsilon_r =$

53.322; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.52, 7.52, 7.52); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.338 mW/g

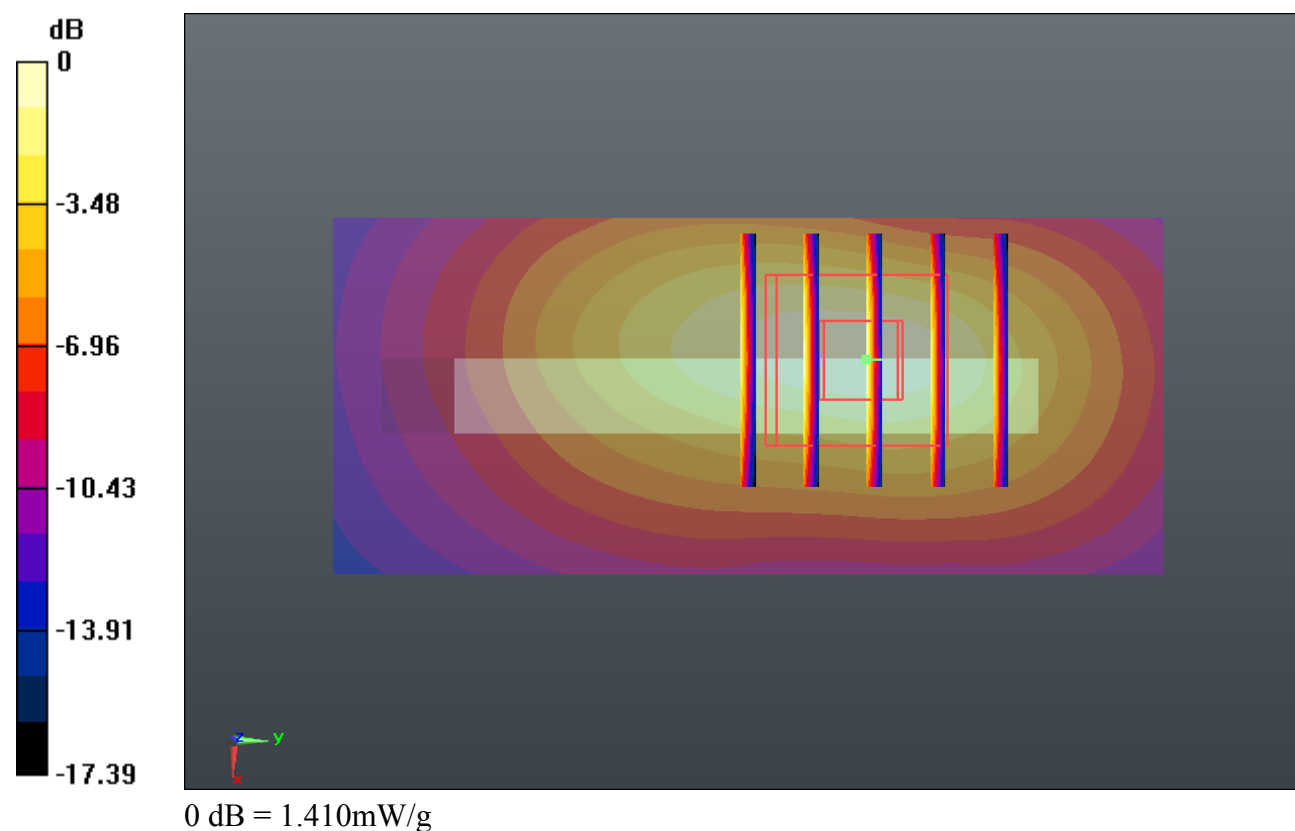
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.405 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.723 W/kg

SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.531 mW/g

Maximum value of SAR (measured) = 1.412 mW/g



#13_LTE Band 2_20M_QPSK(1,0)_Back 1cm_Ch19100

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

Medium: MSL_1900_140113 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r =$

53.27; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.52, 7.52, 7.52); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.655 mW/g

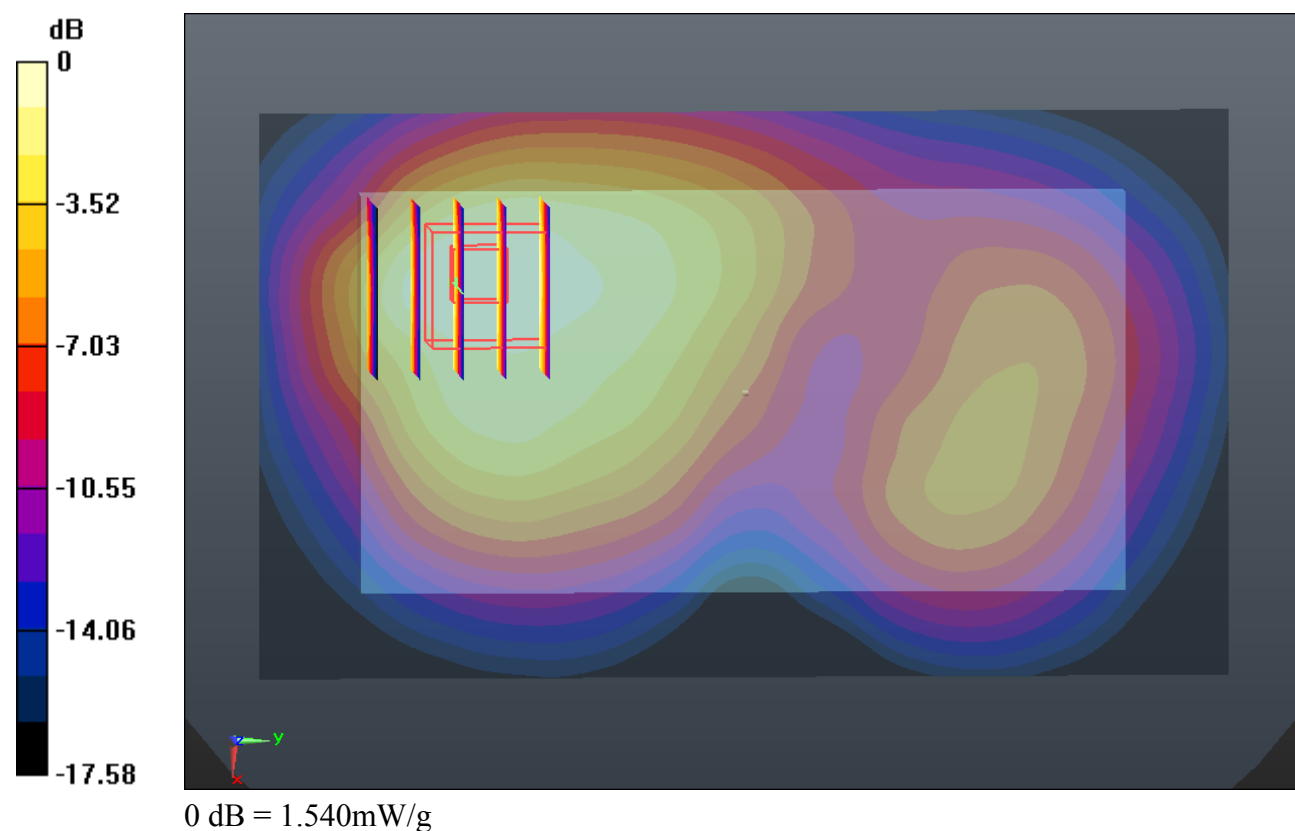
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.238 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.929 W/kg

SAR(1 g) = 1.140 mW/g; SAR(10 g) = 0.673 mW/g

Maximum value of SAR (measured) = 1.536 mW/g



#14_LTE Band 4_20M_QPSK(1,49)_Back 1cm_Ch20300

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

Medium: MSL_1750_140113 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.497$ mho/m; $\epsilon_r =$

51.023; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.86, 7.86, 7.86); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.640 mW/g

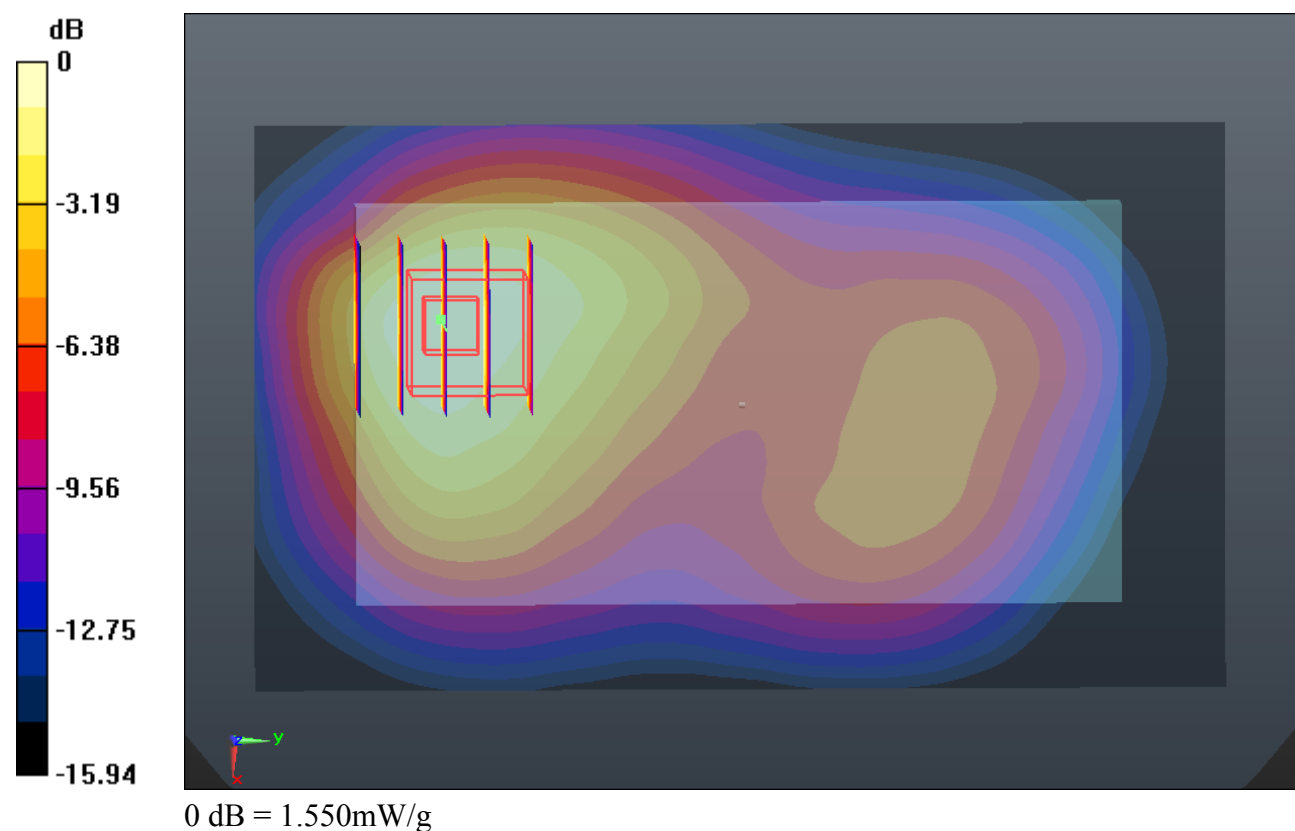
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.126 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.885 W/kg

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.731 mW/g

Maximum value of SAR (measured) = 1.550 mW/g



#15_LTE Band 5_10M_QPSK(1,0)_Front 1cm_Ch20525

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

Medium: MSL_835_140116 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.851; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.48, 9.48, 9.48); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.514 mW/g

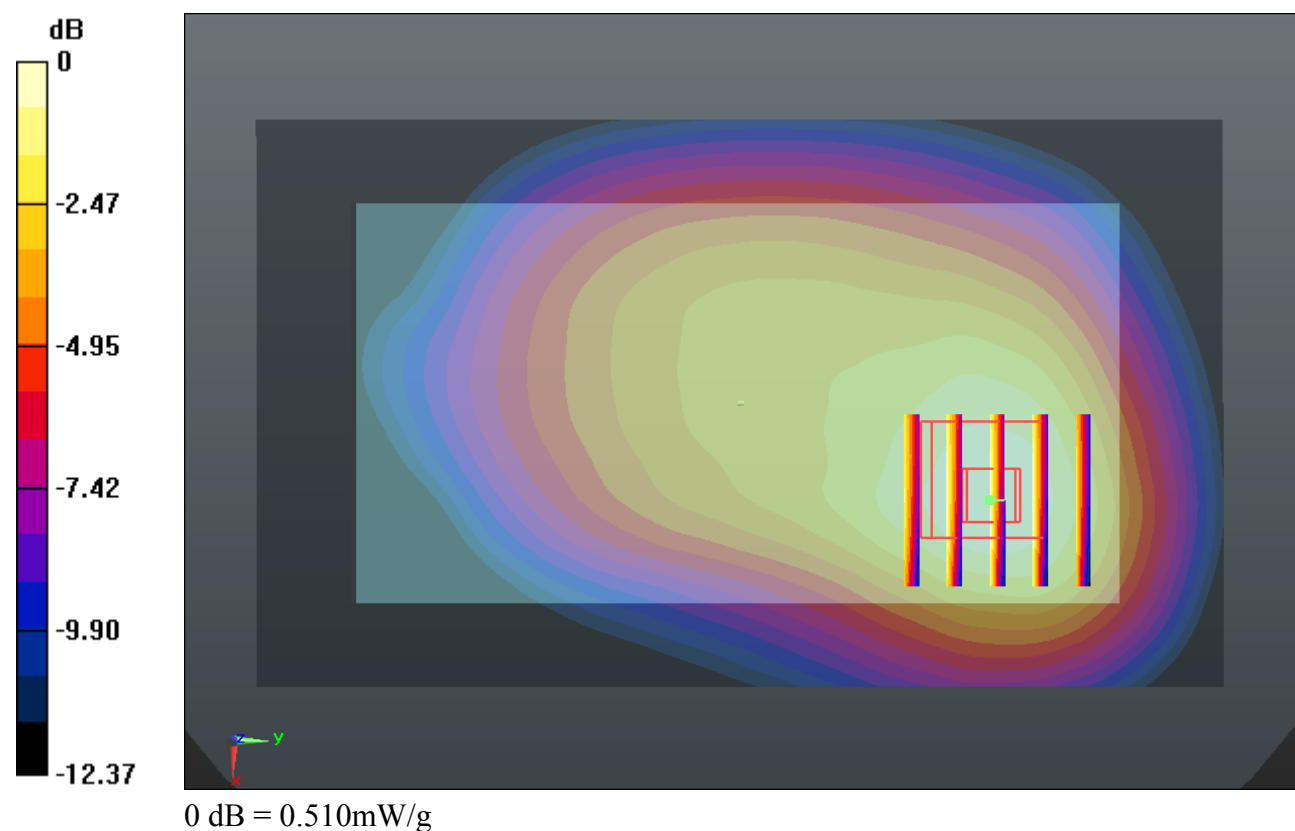
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.386 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.592 W/kg

SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.509 mW/g



#16_LTE Band 12_10M_QPSK(1,24)_Right Side 1cm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: MSL_750_140116 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.933$ mho/m; $\epsilon_r =$

55.206; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.59, 9.59, 9.59); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.779 mW/g

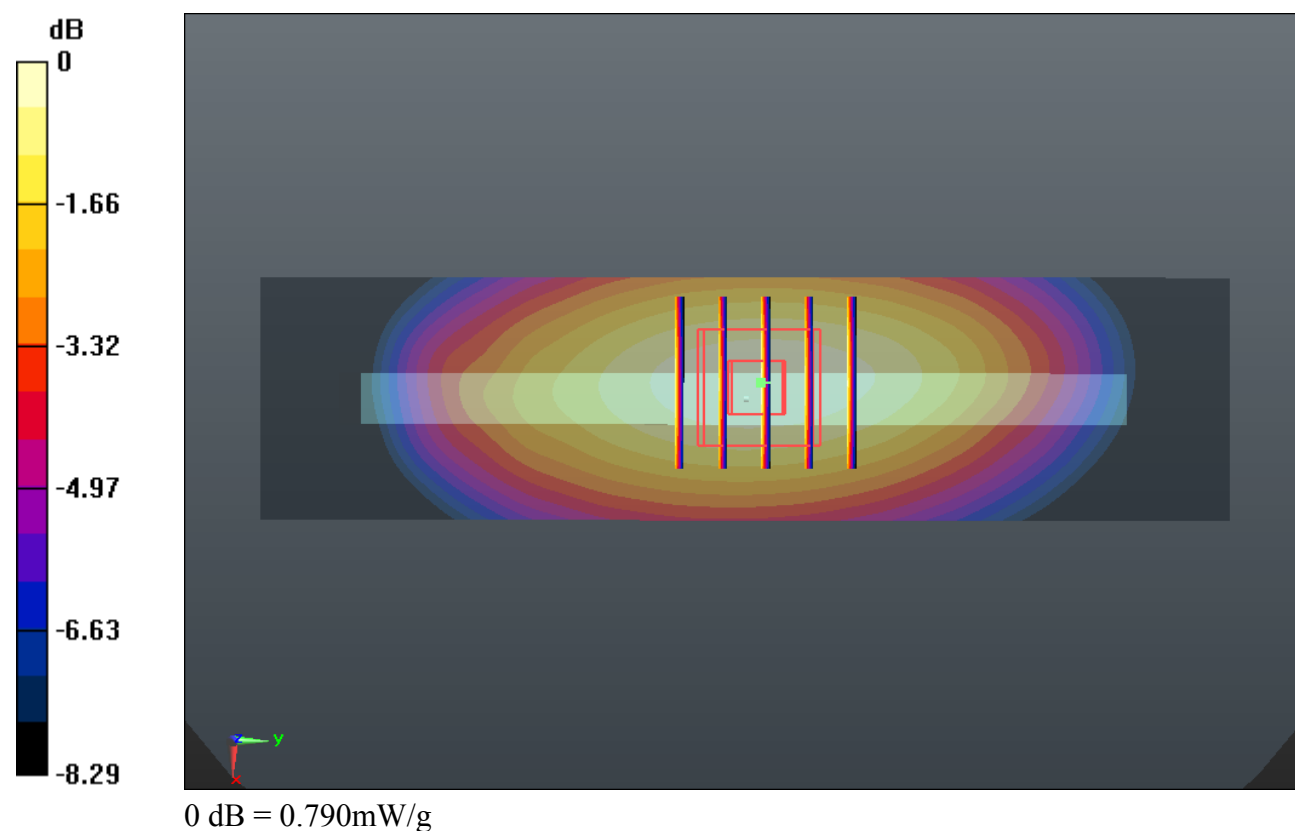
Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.153 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.891 W/kg

SAR(1 g) = 0.653 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 0.786 mW/g



#17_LTE Band 17_10M_QPSK(1,24)_Right Side 1cm_Ch23790

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_140116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 55.171$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.59, 9.59, 9.59); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (31x121x1): Measurement grid: dx=15mm, dy=15mm

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

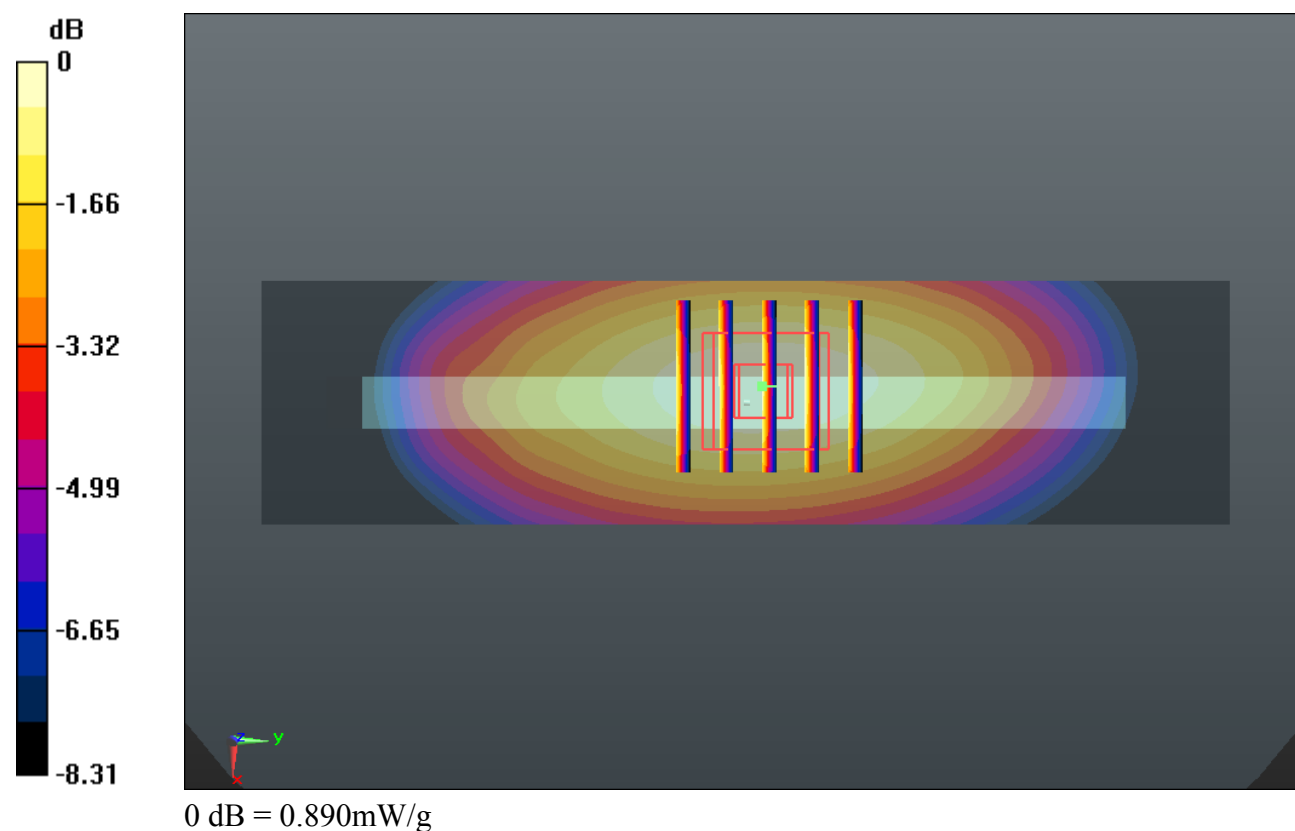
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.890 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.012 W/kg

SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.530 mW/g

Maximum value of SAR (measured) = 0.893 mW/g



#18_WLAN 2.4GHz_802.11b_1M_Back 1cm_Ch1

Communication System: WIFI; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: MSL_2450_140119 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.889$ mho/m; $\epsilon_r =$

51.62; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7, 7, 7); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (91x141x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.077 mW/g

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

Reference Value = 5.002 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.029 mW/g

Maximum value of SAR (measured) = 0.078 mW/g

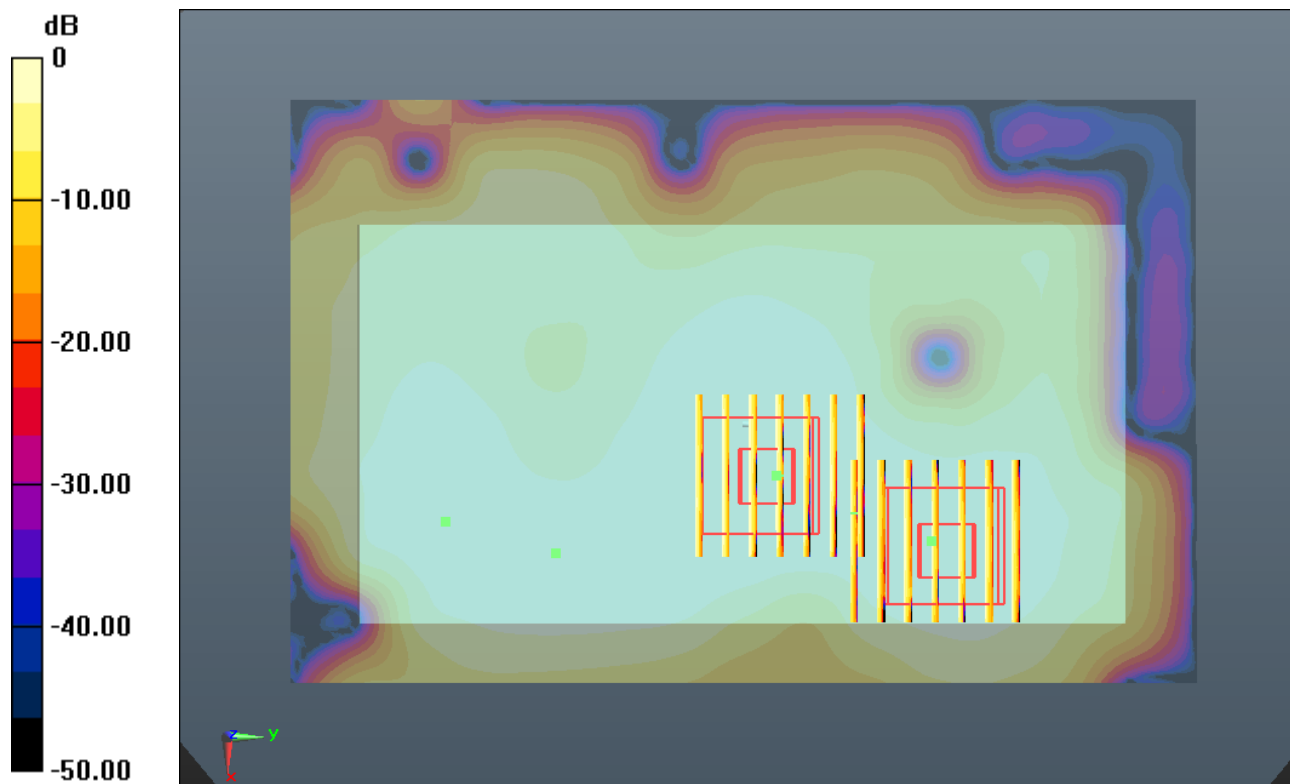
Ch1/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.002 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.077 W/kg

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.055 mW/g



0 dB = 0.050mW/g

#19_WLAN 5.8GHz_802.11a_6M_Left Side 1cm_Ch149

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.07127

Medium: MSL_5000_140121 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.035$ mho/m; $\epsilon_r =$

47.138; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.48, 4.48, 4.48); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch149/Area Scan (41x171x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.225 mW/g

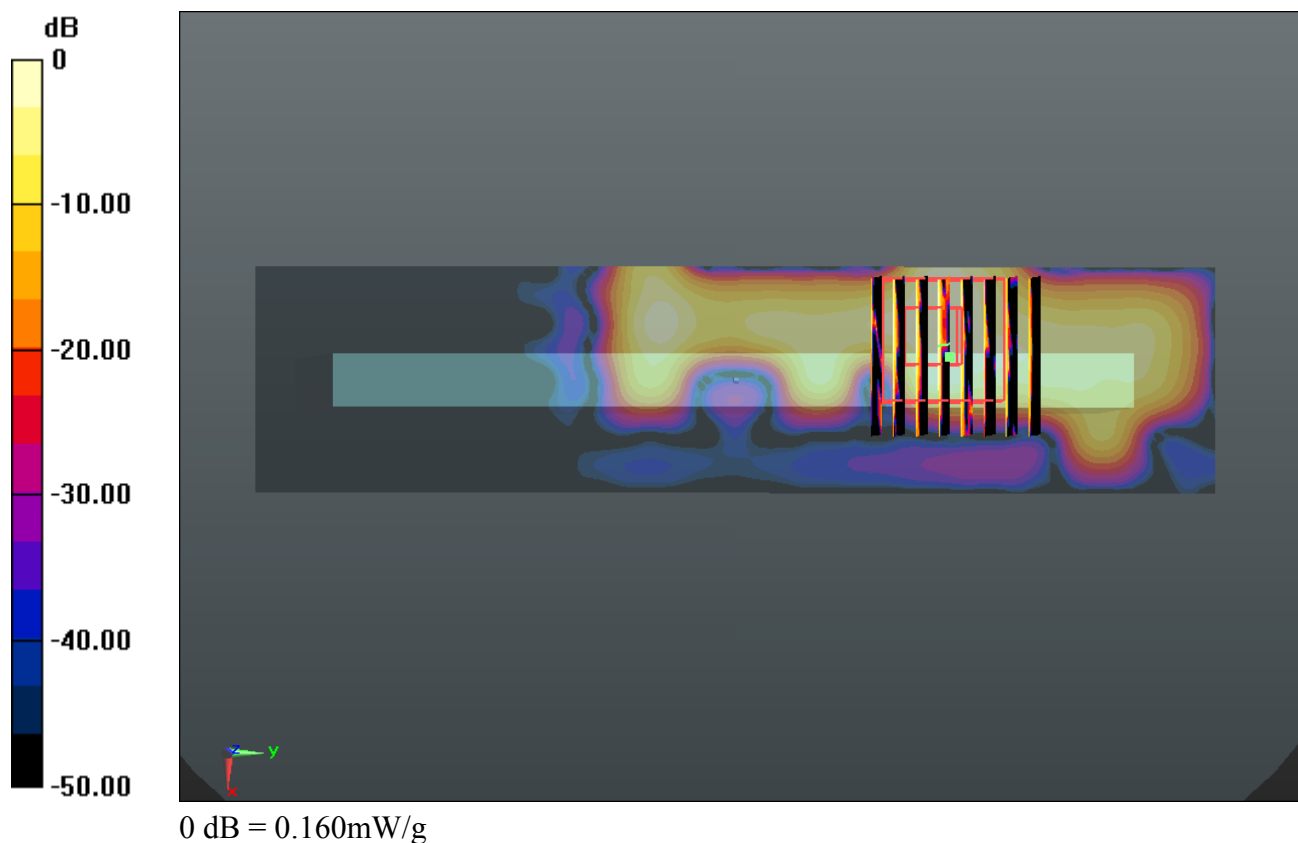
Ch149/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.534 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.161 mW/g



#20_CDMA2000 BC0_RC3 SO32_Back 1cm_Ch1013

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_835_140116 Medium parameters used: $f = 825$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.959$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.48, 9.48, 9.48); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.653 mW/g

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

Reference Value = 23.749 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.710 W/kg

SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.435 mW/g

Maximum value of SAR (measured) = 0.643 mW/g

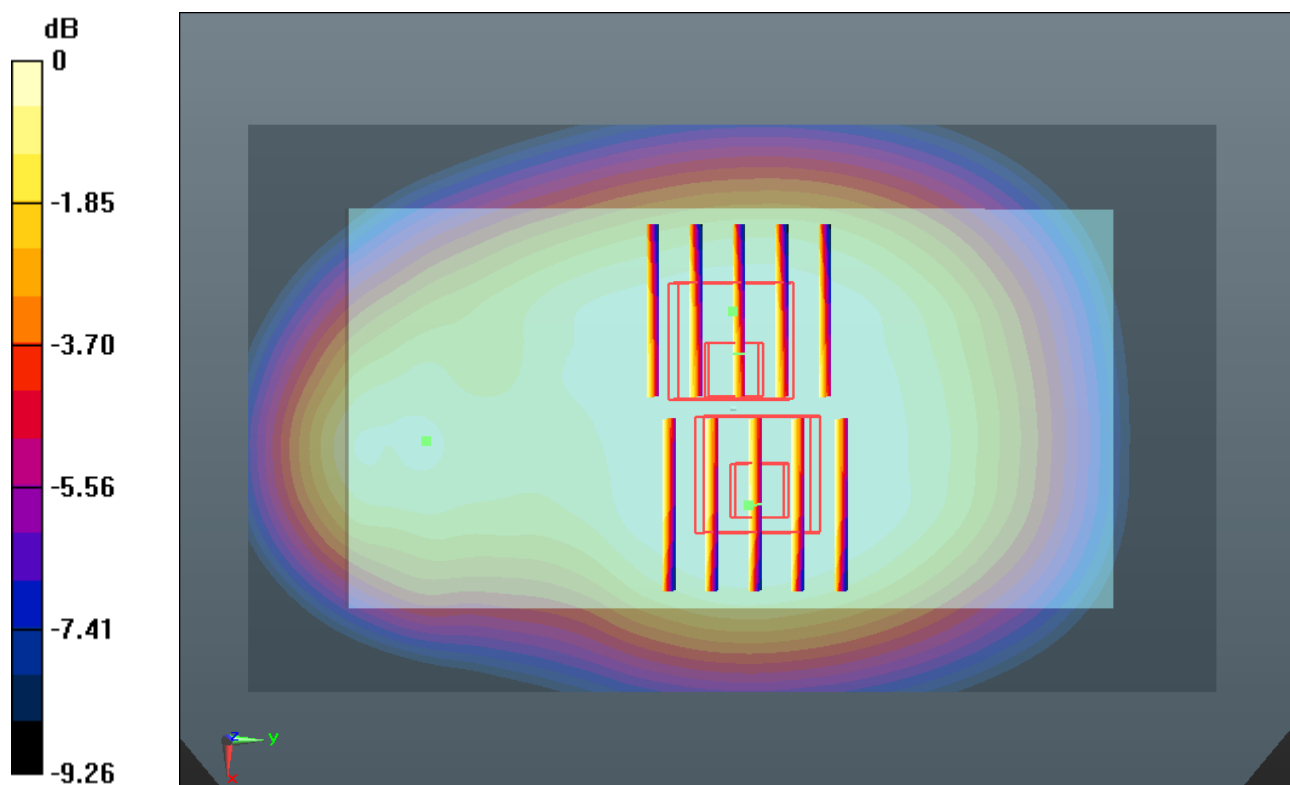
Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.749 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.670 W/kg

SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.400 mW/g

Maximum value of SAR (measured) = 0.596 mW/g



#21_CDMA2000 BC1_RC3 SO32_Back 1cm_Ch600_Headset

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: MSL_1900_140113 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.527$ mho/m; $\epsilon_r = 53.322$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

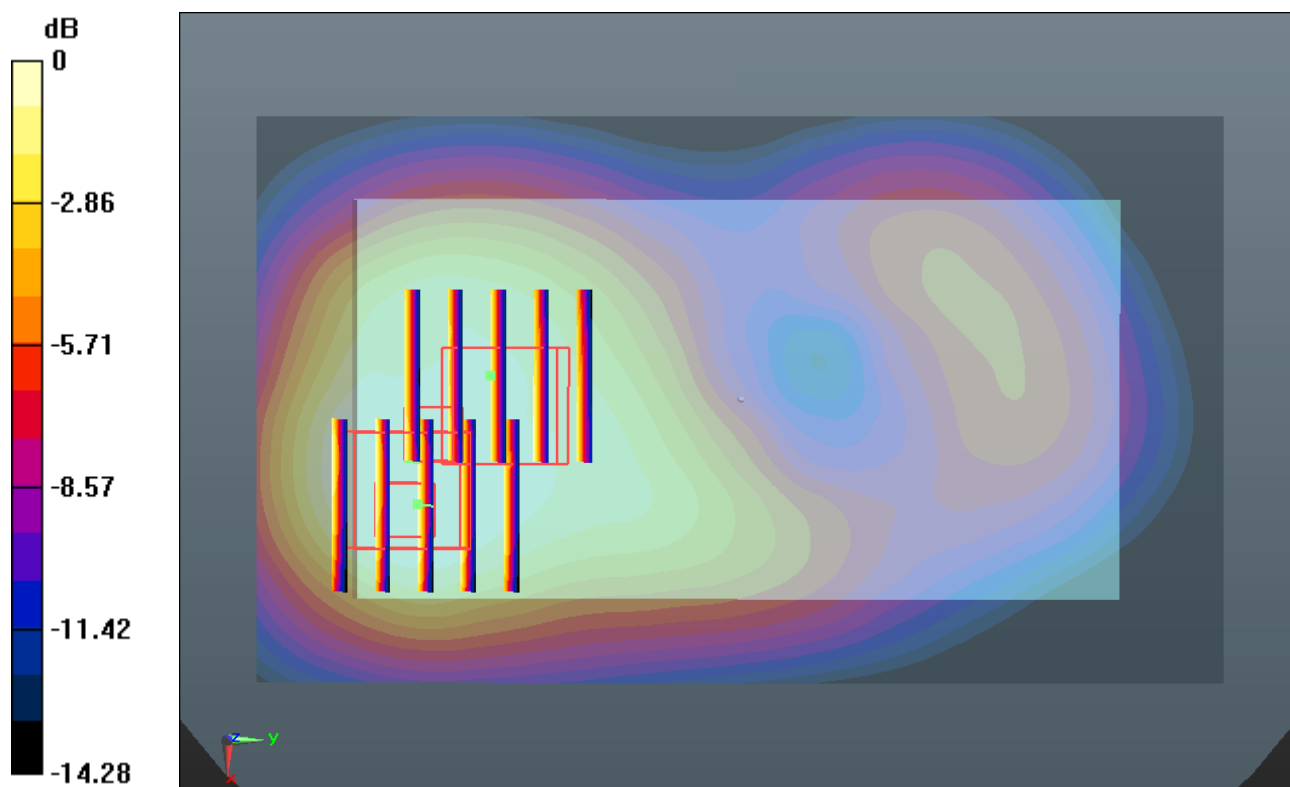
DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.52, 7.52, 7.52); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.429 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.094 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.651 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.618 mW/g
Maximum value of SAR (measured) = 1.319 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.094 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.423 W/kg
SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.517 mW/g
Maximum value of SAR (measured) = 1.197 mW/g



0 dB = 1.200mW/g

#22_LTE Band 2_20M_QPSK(1,0)_Back 1cm_Ch19100_Headset

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

Medium: MSL_1900_140113 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r =$

53.27; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.52, 7.52, 7.52); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.725 mW/g

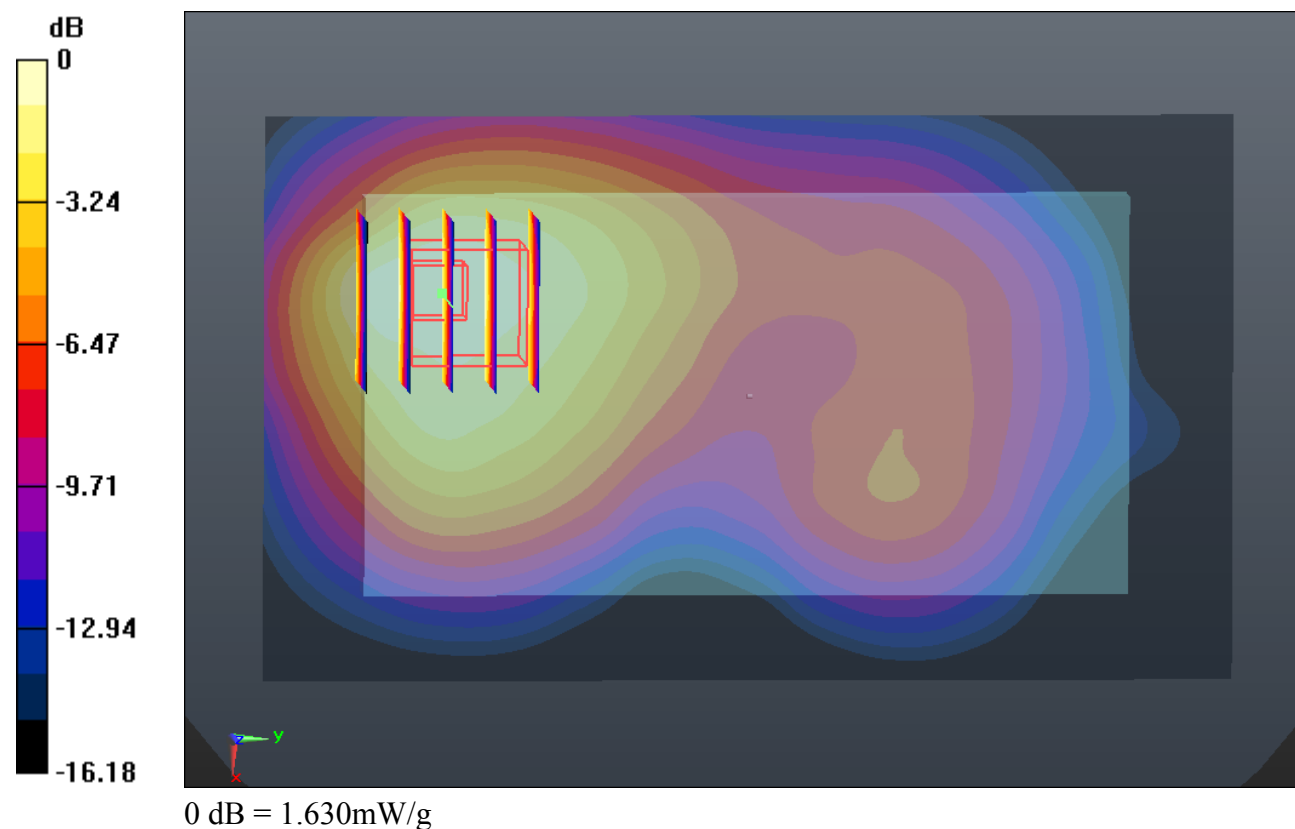
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.520 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.050 W/kg

SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.736 mW/g

Maximum value of SAR (measured) = 1.627 mW/g



#23_LTE Band 4_20M_QPSK(1,49)_Back 1cm_Ch20300_Headset

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

Medium: MSL_1750_140113 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.497$ mho/m; $\epsilon_r =$

51.023; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.86, 7.86, 7.86); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.782 mW/g

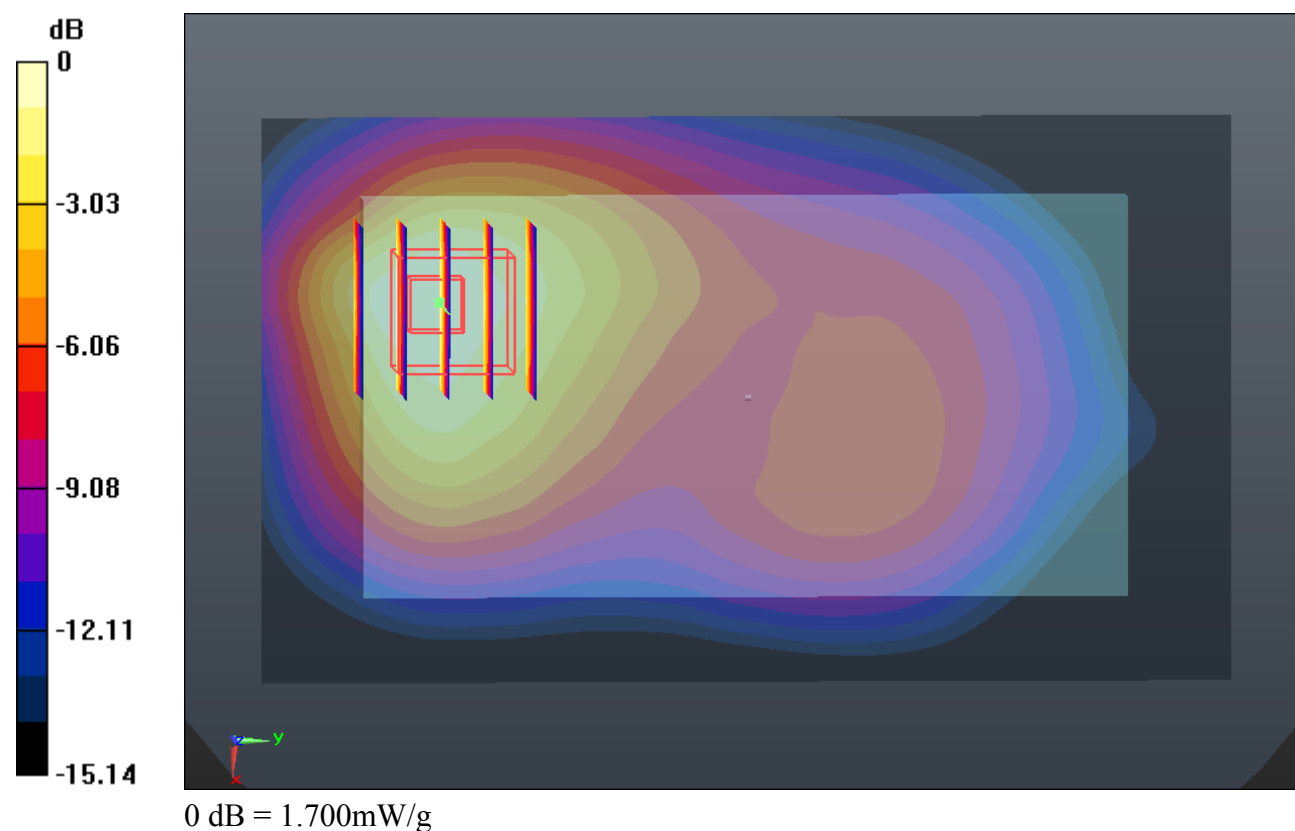
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.761 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.088 W/kg

SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.795 mW/g

Maximum value of SAR (measured) = 1.702 mW/g



#24_LTE Band 12_10M_QPSK(1,24)_Front 1cm_Ch23095

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: MSL_750_140116 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.933$ mho/m; $\epsilon_r =$

55.206; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.59, 9.59, 9.59); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.594 mW/g

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

Reference Value = 23.676 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.636 W/kg

SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.423 mW/g

Maximum value of SAR (measured) = 0.594 mW/g

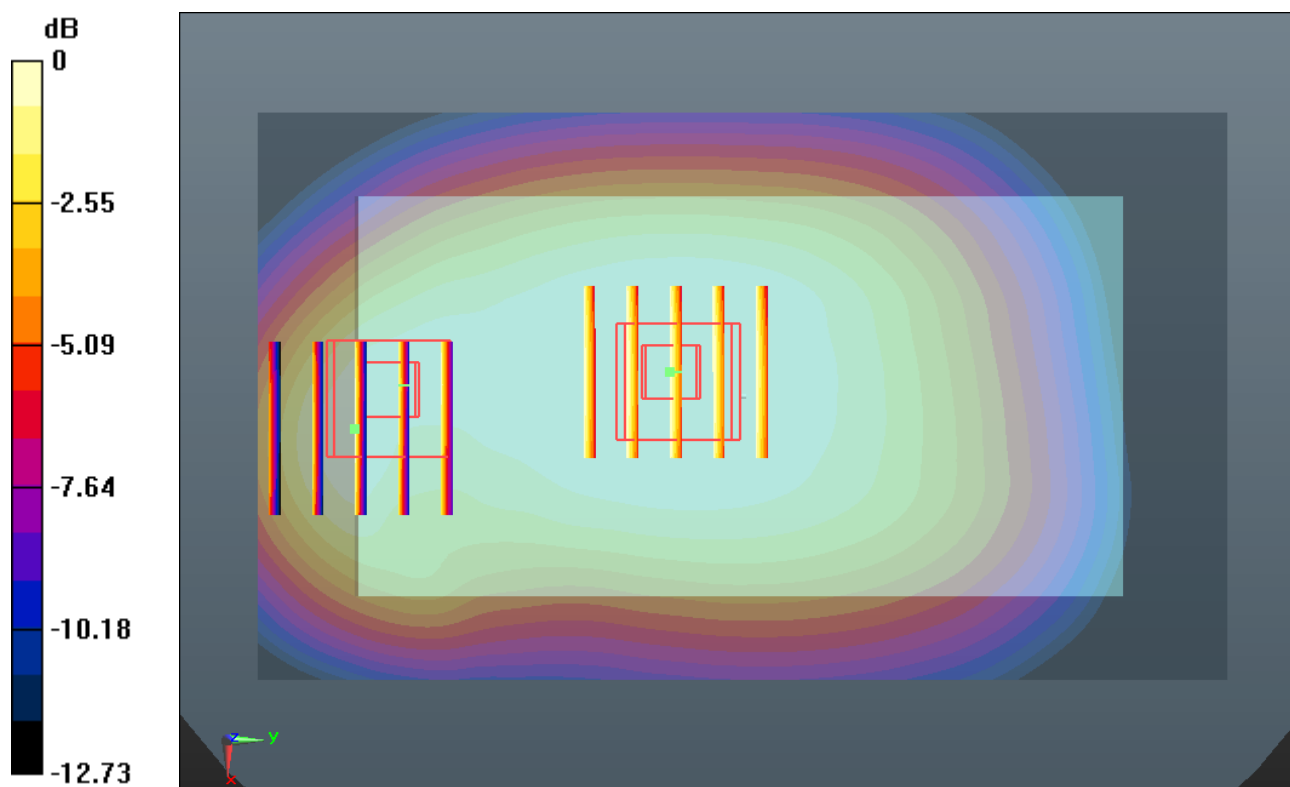
Ch23095/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.676 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.668 W/kg

SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.271 mW/g

Maximum value of SAR (measured) = 0.544 mW/g



0 dB = 0.540mW/g

#25_LTE Band 17_10M_QPSK(1,24)_Front 1cm_Ch23790

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_140116 Medium parameters used: $f = 710$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 55.171$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.59, 9.59, 9.59); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.741 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.403 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.796 W/kg

SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.527 mW/g

Maximum value of SAR (measured) = 0.739 mW/g

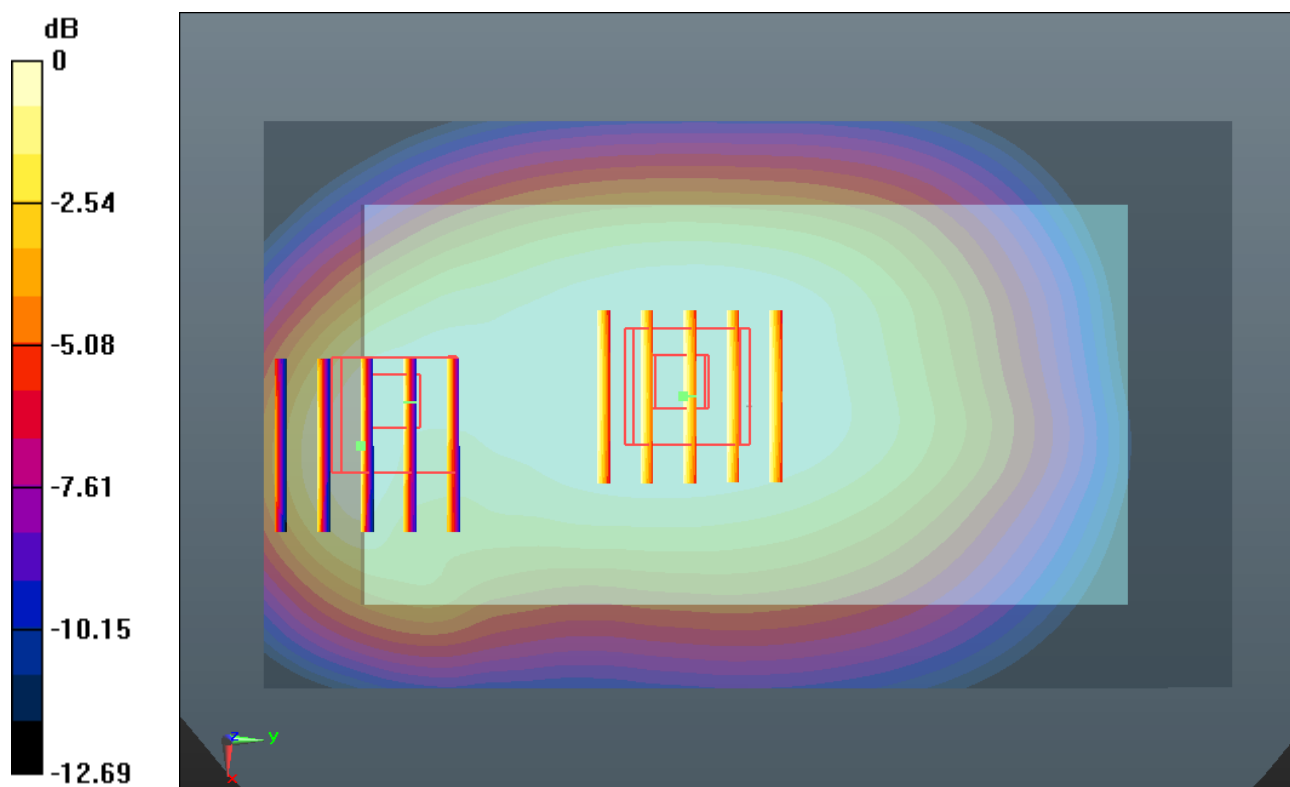
Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.403 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.831 W/kg

SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.669 mW/g



0 dB = 0.670mW/g

#26_WLAN 5.2GHz_802.11a_6M_Back 1cm_Ch48_Headset

Communication System: WIFI; Frequency: 5240 MHz; Duty Cycle: 1:1.071

Medium: MSL_5000_140121 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.325$ mho/m; $\epsilon_r =$

48.24; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.62, 4.62, 4.62); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch48/Area Scan (101x171x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.101 mW/g

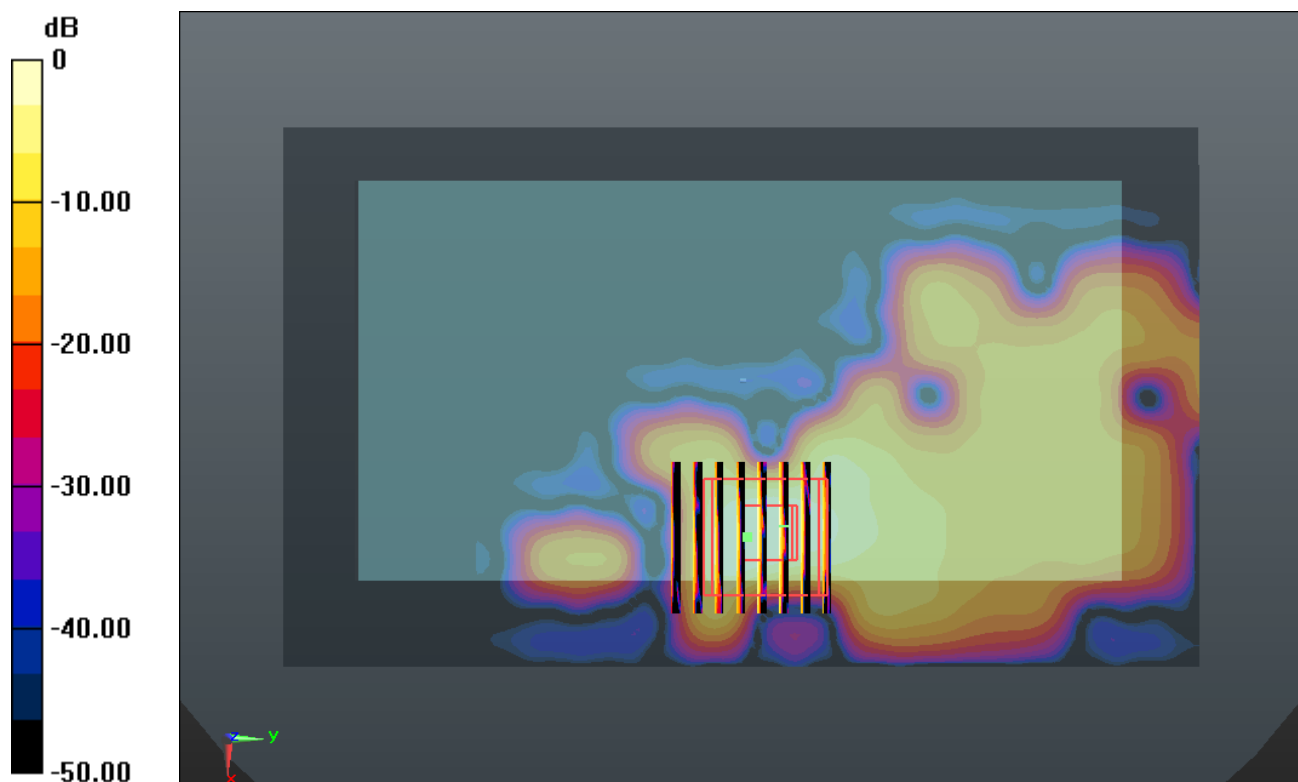
Ch48/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.711 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.965 W/kg

SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.064 mW/g

Maximum value of SAR (measured) = 0.556 mW/g



#27_WLAN 5.8GHz_802.11a_6M_Back 1cm_Ch149_Headset

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.071

Medium: MSL_5000_140121 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.035$ mho/m; $\epsilon_r =$

47.138; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(4.48, 4.48, 4.48); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.4.5 (3634)

Ch149/Area Scan (111x171x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.192 mW/g

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

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

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.182 mW/g

