Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

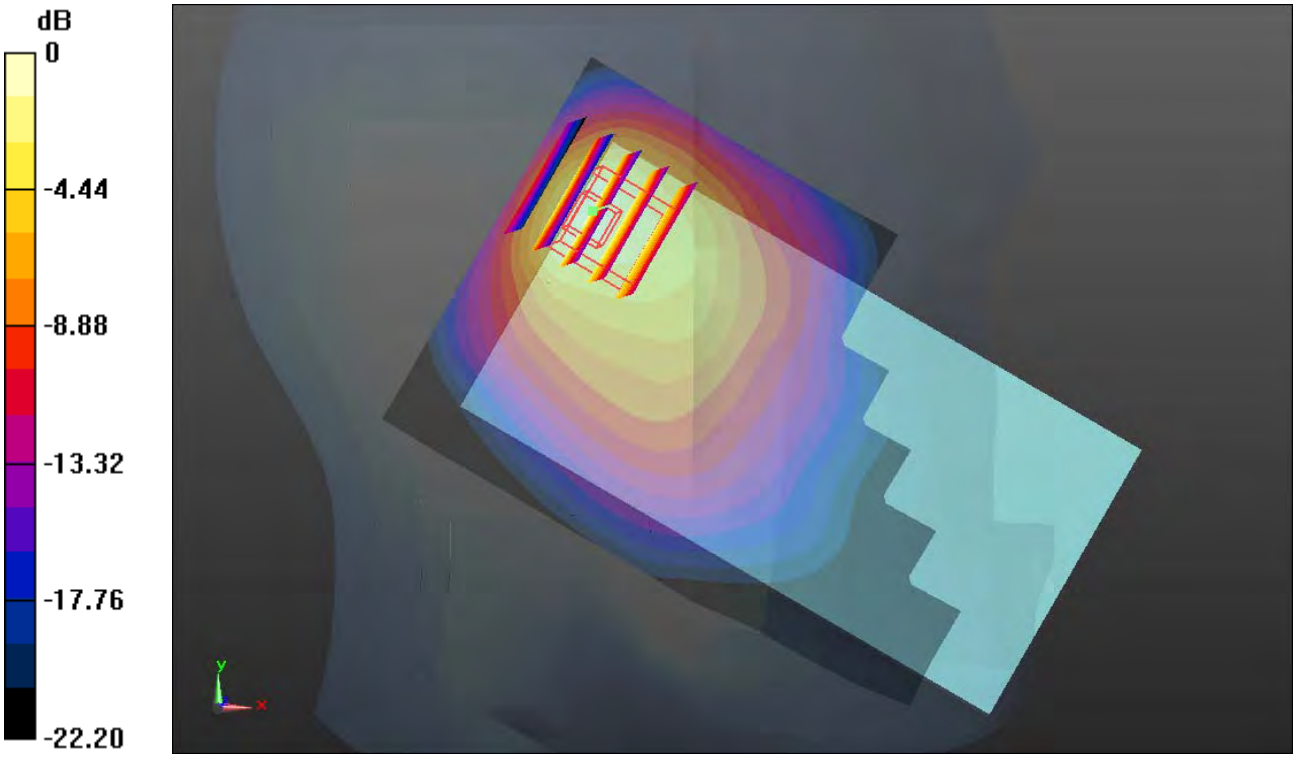
#01_GSM850_GPRS (4 Tx slots)_Left Cheek_Ch189

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; σ = 0.886 mho/m; ε_r = 41.069; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

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

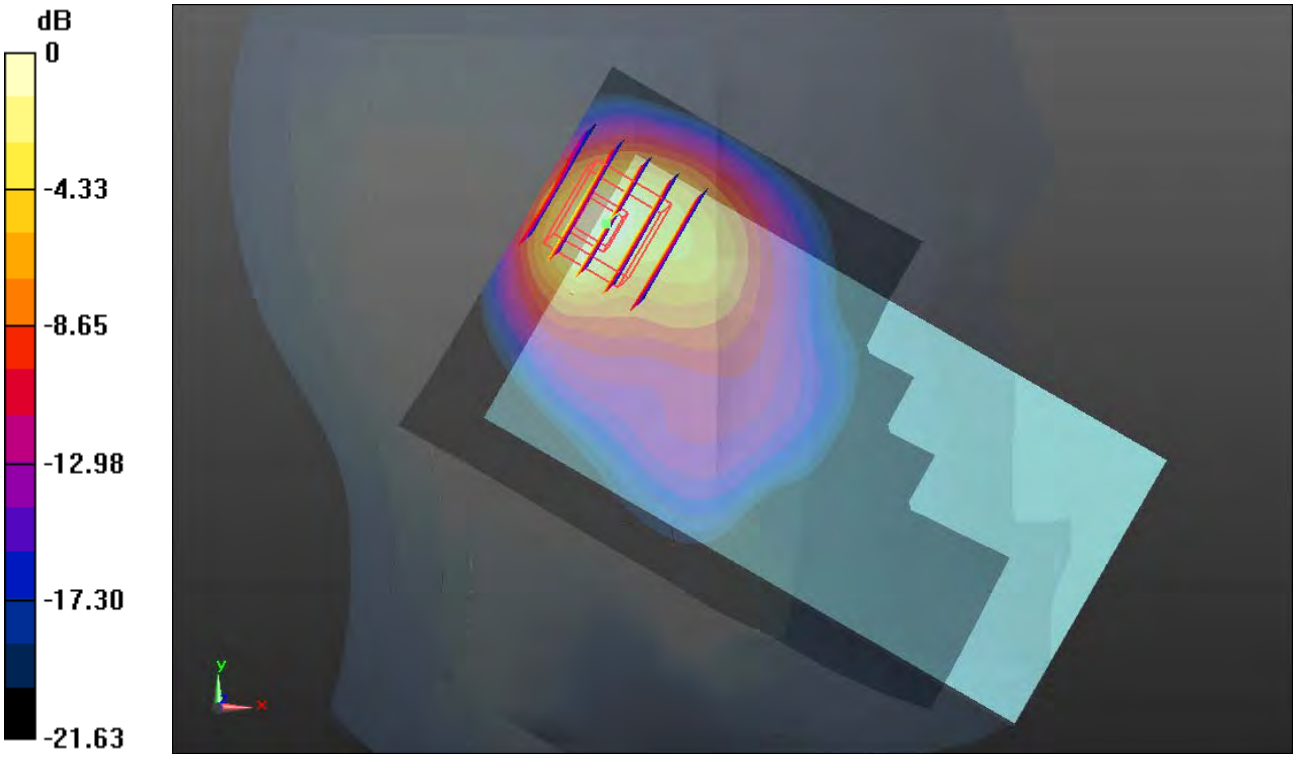
#02_GSM1900_GPRS (4 Tx slots)_Left Cheek_Ch810

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; σ = 1.404 mho/m; ε_r = 39.123; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.9 ℃

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

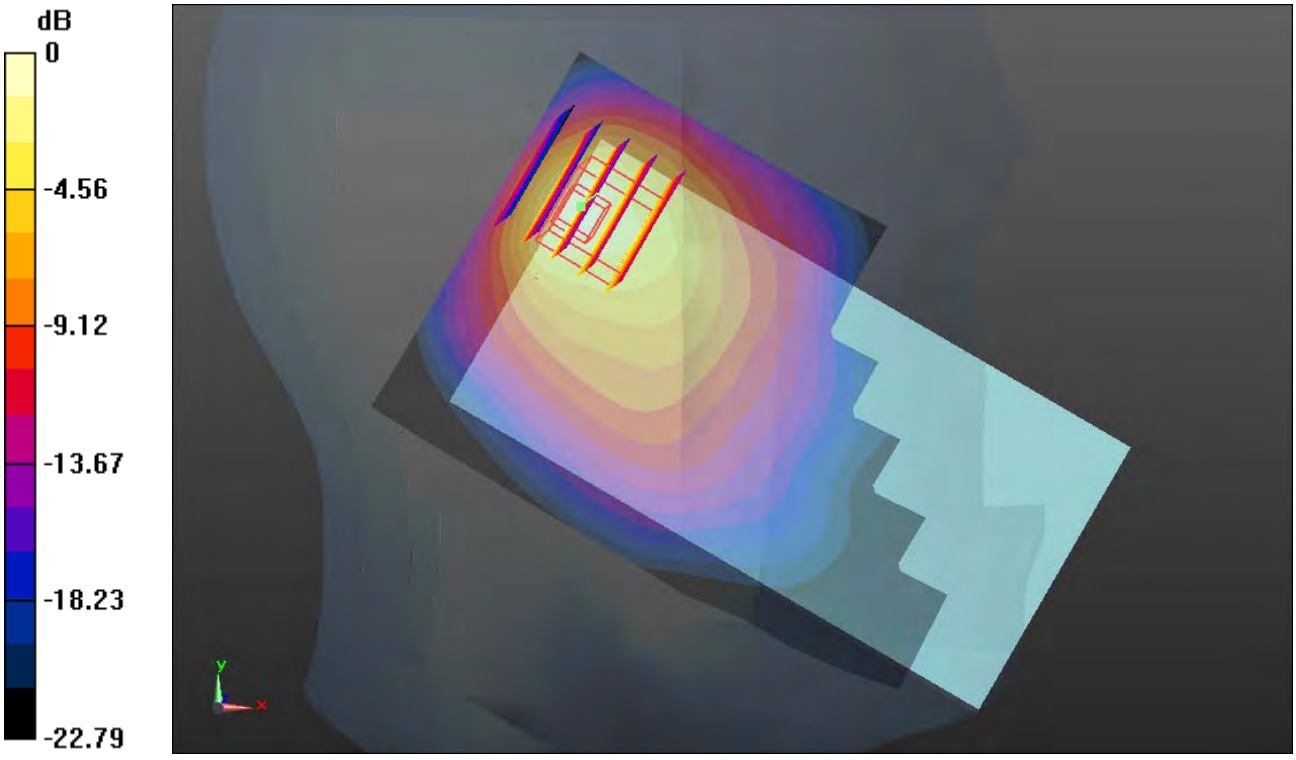
#03_WCDMA Band V_RMC12.2Kbps_Left Cheek_Ch4132

Communication System: UMTS (0); Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL_835_150217 Medium parameters used: f = 826.4 MHz; σ = 0.877 mho/m; ε_r = 41.186; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

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

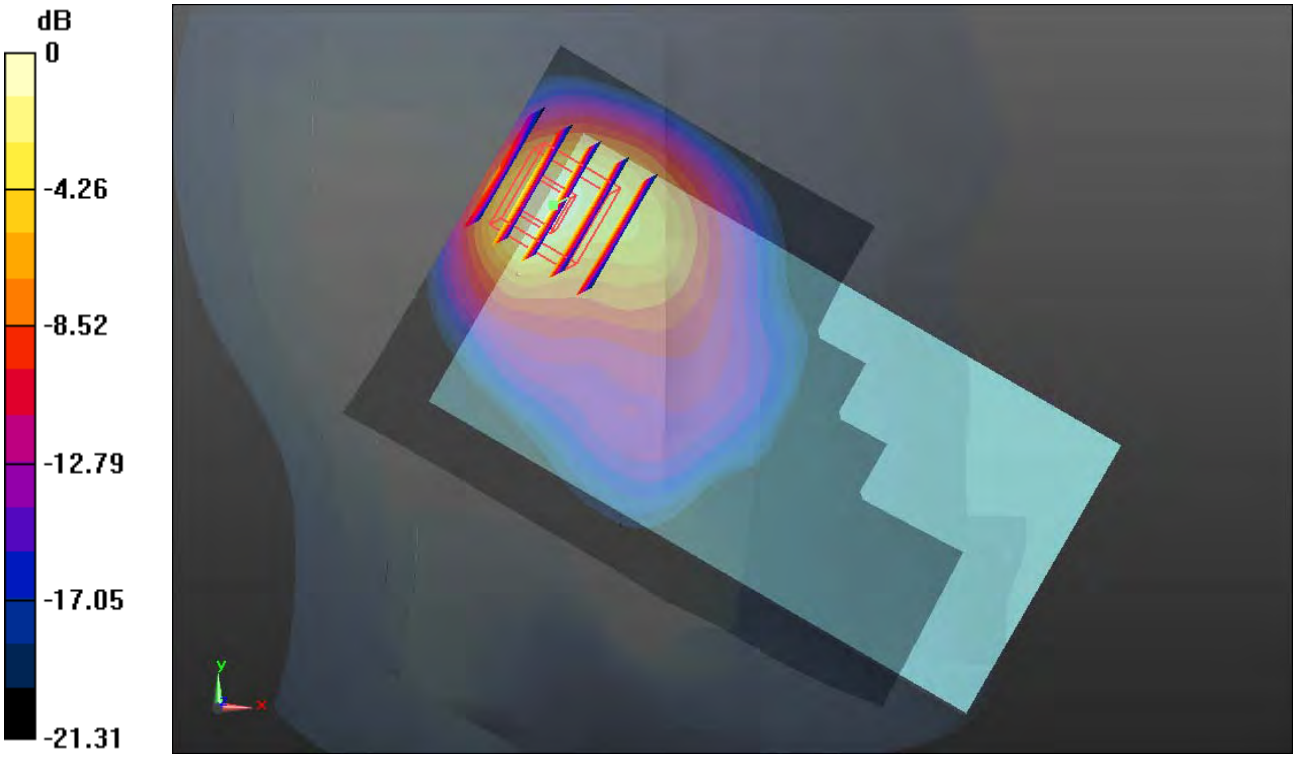
#04_WCDMA Band II_RMC12.2Kbps_Left Cheek_Ch9538

Communication System: UMTS (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: HSL_1900_150216 Medium parameters used: f = 1907.6 MHz; σ = 1.433 mho/m; ε_r = 38.999; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.9 ℃

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

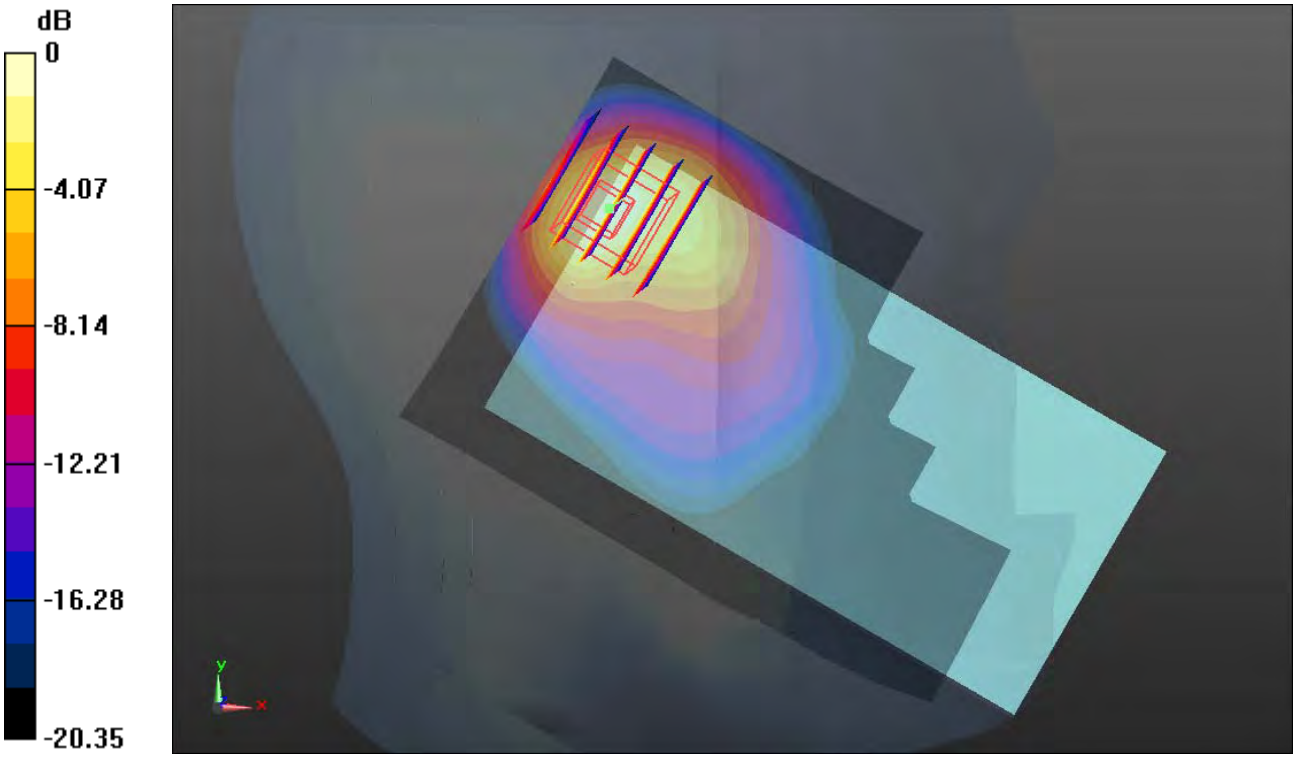
#05_LTE Band 4_20M_QPSK(50,0)_Left Cheek_Ch20300

Communication System: FDD_LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL_1750_150217 Medium parameters used: f = 1745 MHz; σ = 1.393 mho/m; ε_r = 41.394; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.6 ℃

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

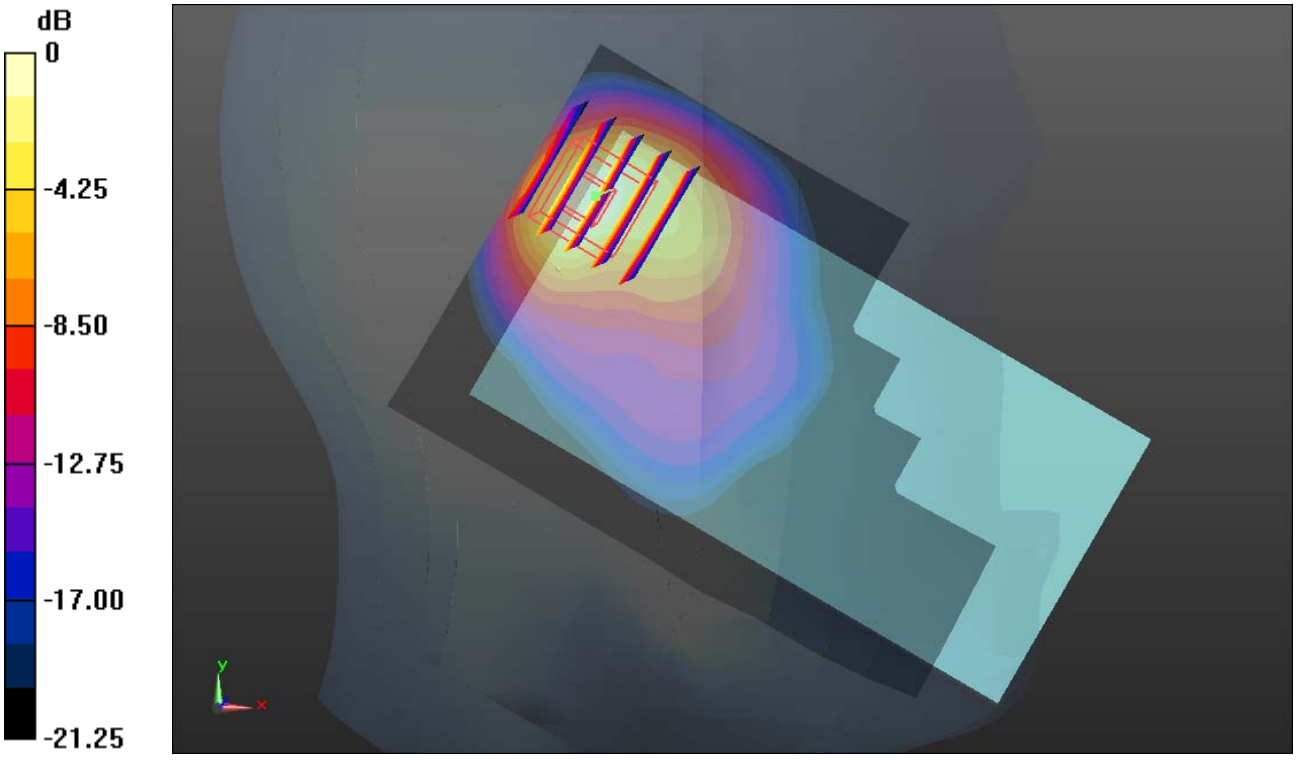
#06_LTE Band 2_20M_QPSK(50,0)_Left Cheek_Ch18900

Communication System: FDD_LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_150216 Medium parameters used: f = 1880 MHz; σ = 1.404 mho/m; ε_r = 39.123; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.9 ℃

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

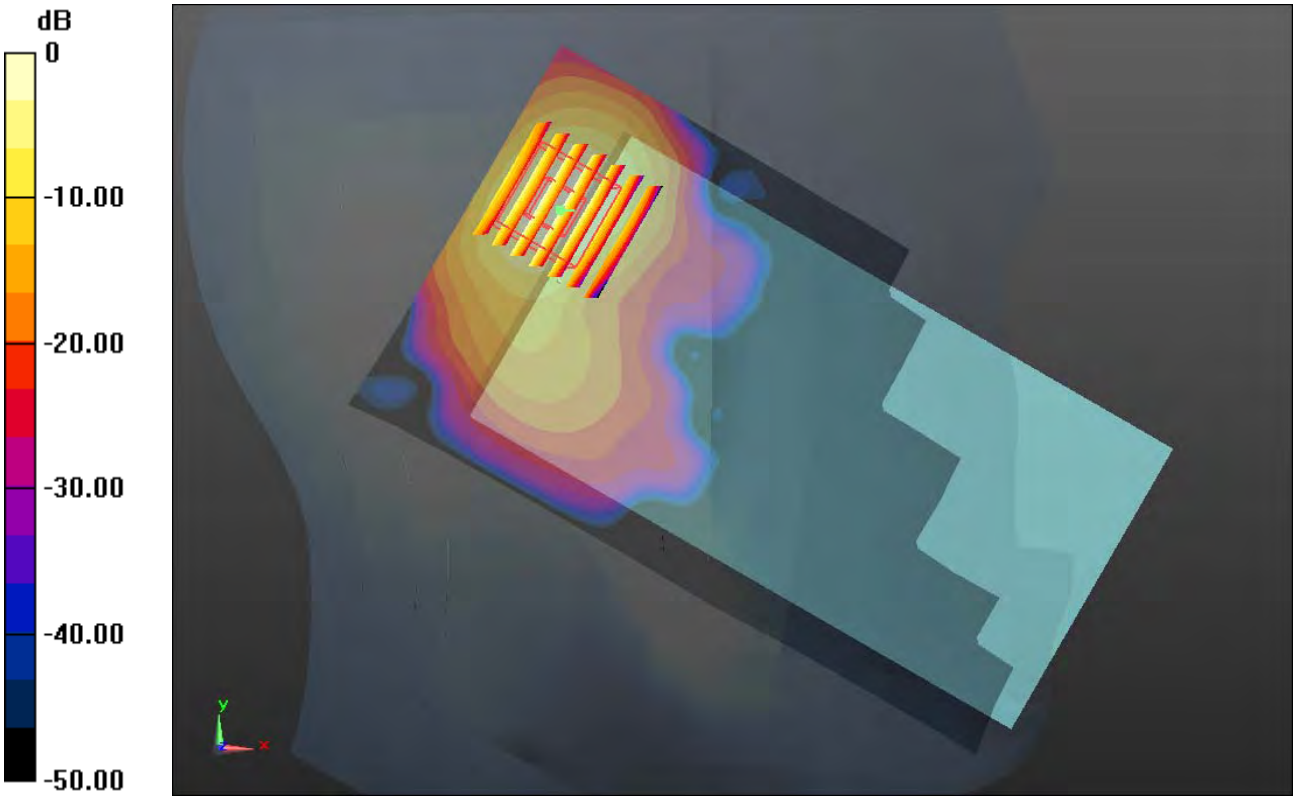
#07_LTE Band 7_20M_QPSK(100,0)_Left Tilted_Ch21100

Communication System: FDD_LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: HSL_2600_150224 Medium parameters used: f = 2535 MHz; σ = 1.917 mho/m; ε_r = 38.53; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.5 ℃

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

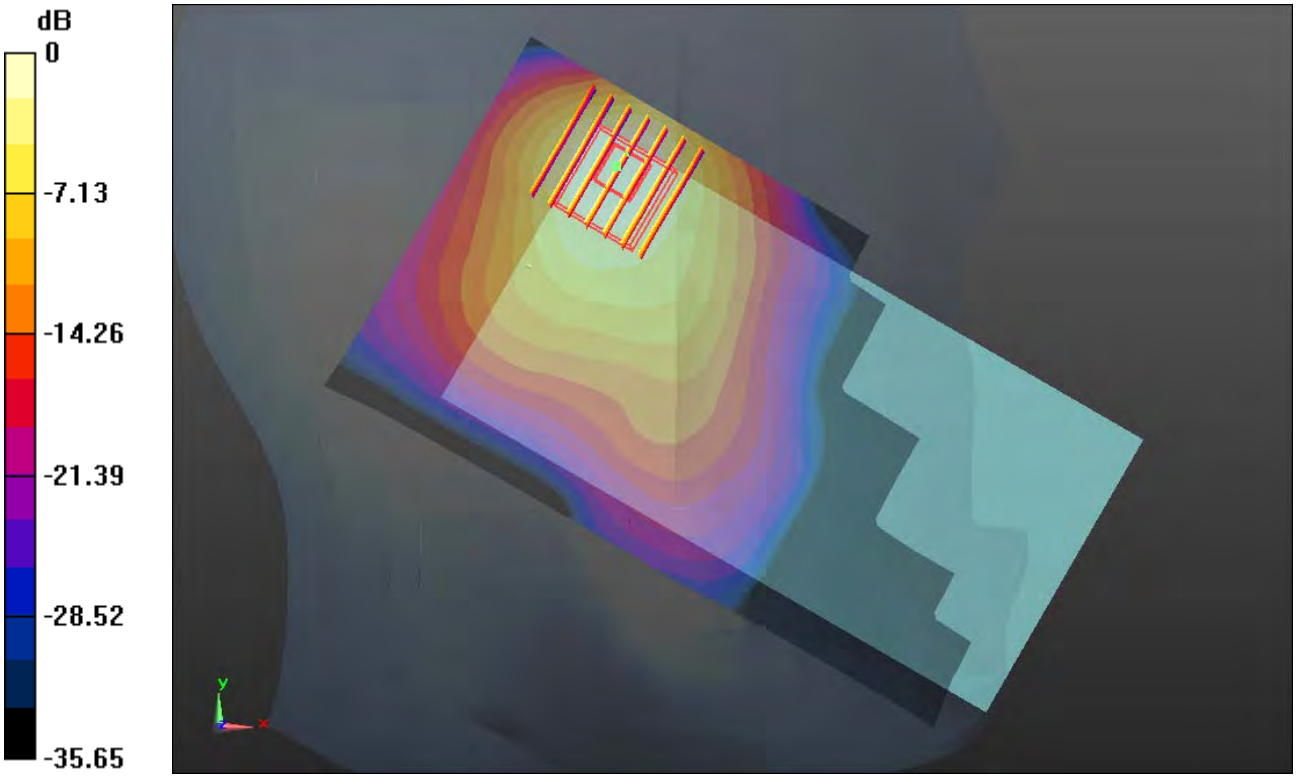
#08_WLAN 2.4GHz_802.11b_ 1MbpsLeft Cheek_Ch11

Communication System: WIFI (0); Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: HSL_2450_150227 Medium parameters used: f = 2462 MHz; σ = 1.833 mho/m; ε_r = 39.166; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.5 ℃

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

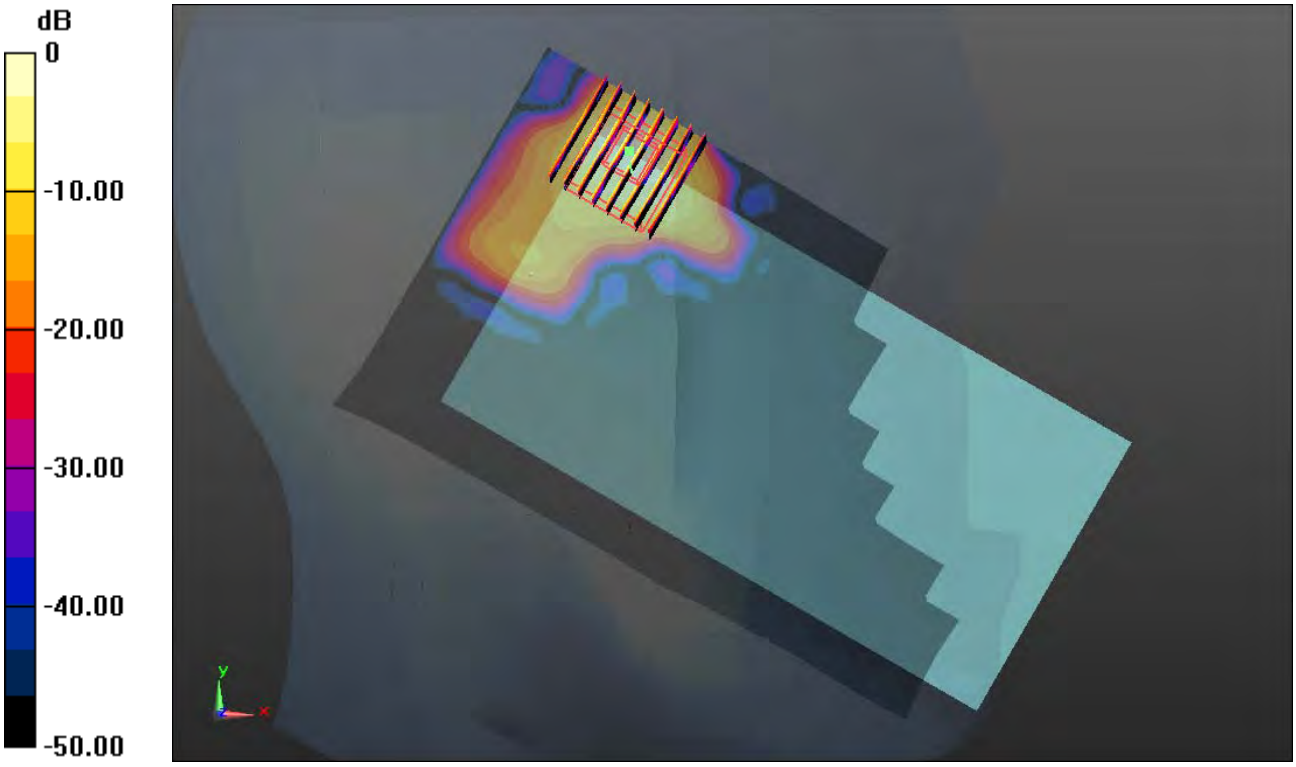
#09_WLAN 5.2GHz_802.11a_6Mbps_Left Cheek_Ch48

Communication System: WIFI (0); Frequency: 5240 MHz;Duty Cycle: 1:1.146
Medium: HSL_5000_150303 Medium parameters used: f = 5240 MHz; σ = 4.836 mho/m; ε_r = 35.371; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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

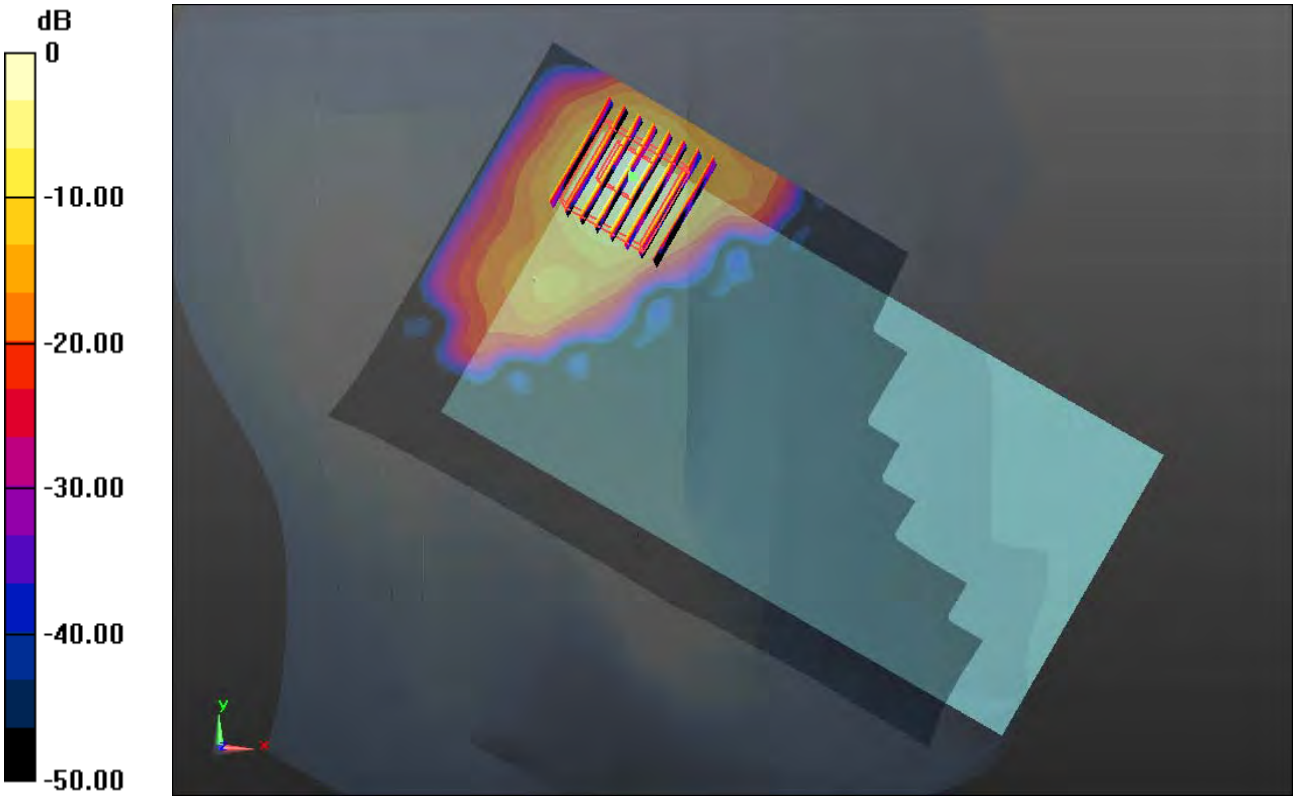
#10_WLAN 5.8GHz_802.11a_6Mbps_Left Cheek_Ch149

Communication System: WIFI (0); Frequency: 5745 MHz;Duty Cycle: 1:1.146
Medium: HSL_5000_150303 Medium parameters used: f = 5745 MHz; σ = 5.358 mho/m; ε_r = 34.5; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015.03.02

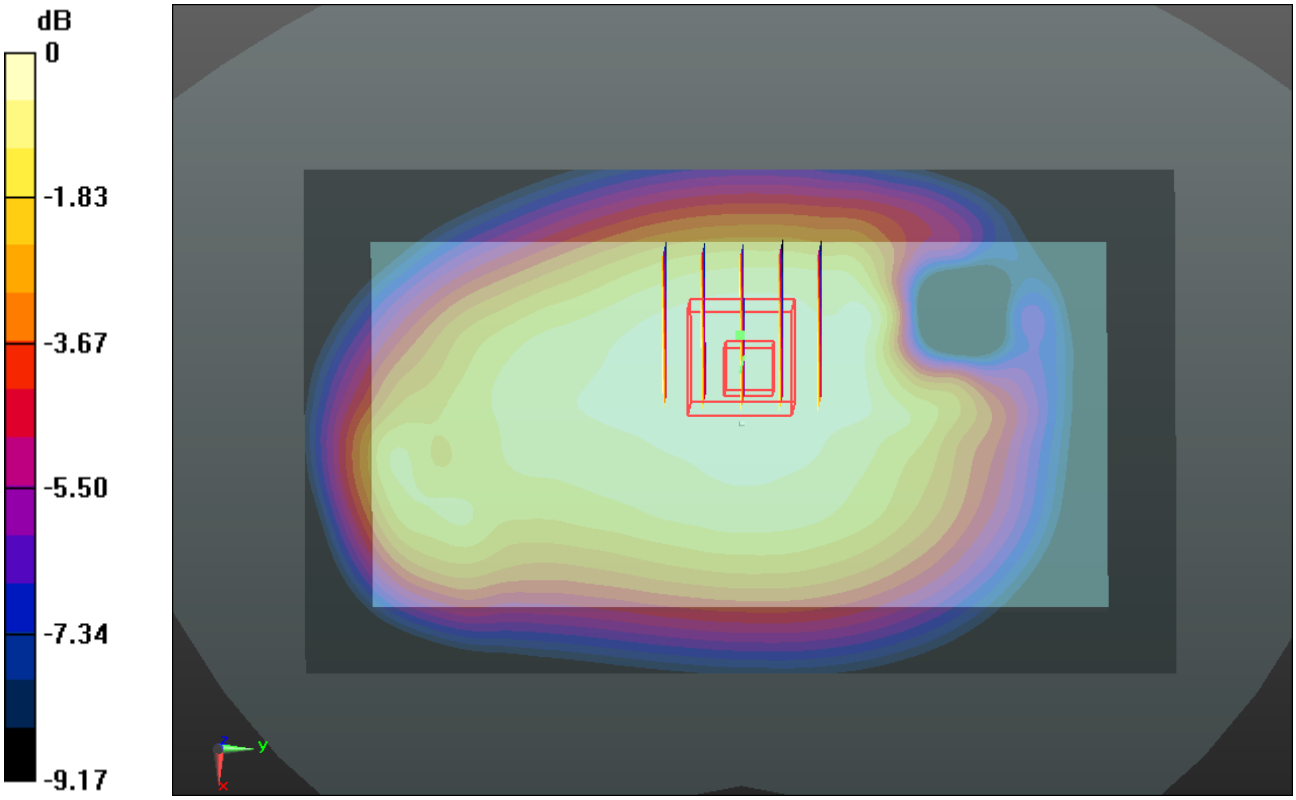
#11_GSM850_GPRS (4 Tx slots)_Back 1cm_Ch251

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; σ = 0.993 mho/m; ε_r = 53.923; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.5 ℃

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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015.02.22

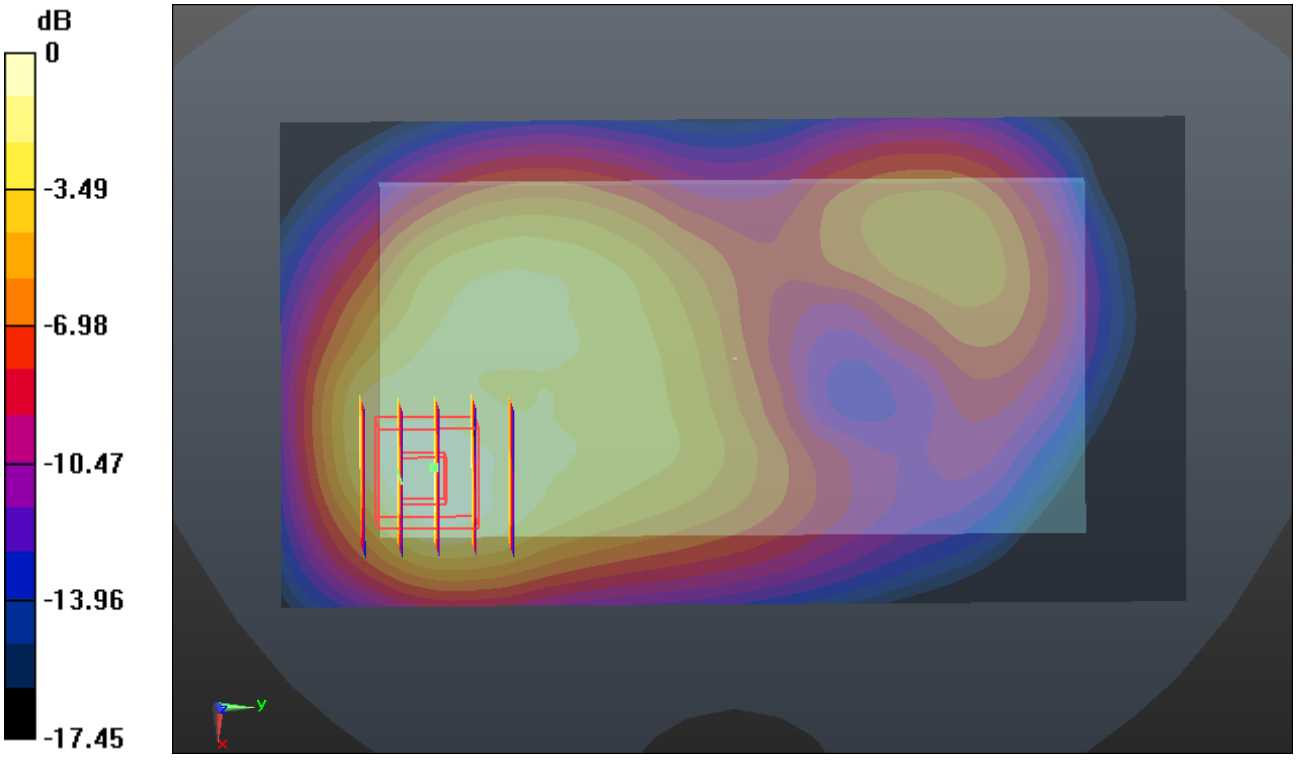
#12_GSM1900_GPRS (4 Tx slots)_Back 1cm_Ch512

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; σ = 1.492 mho/m; ε_r = 53.419; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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

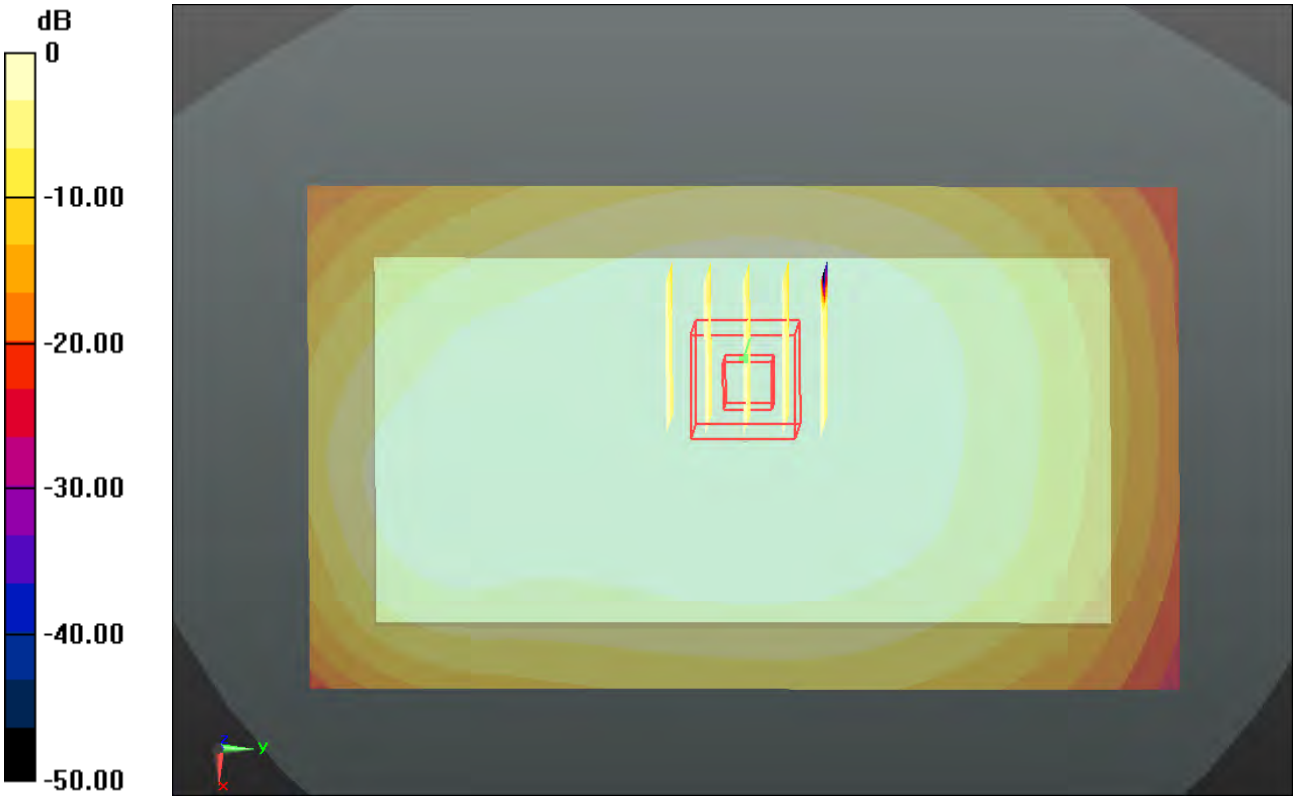
#13_WCDMA Band V_RMC12.2Kbps_Back 1cm_Ch4233

Communication System: UMTS (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_150302 Medium parameters used: f = 846.6 MHz; σ = 0.991 mho/m; ε_r = 53.949; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.5 ℃

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

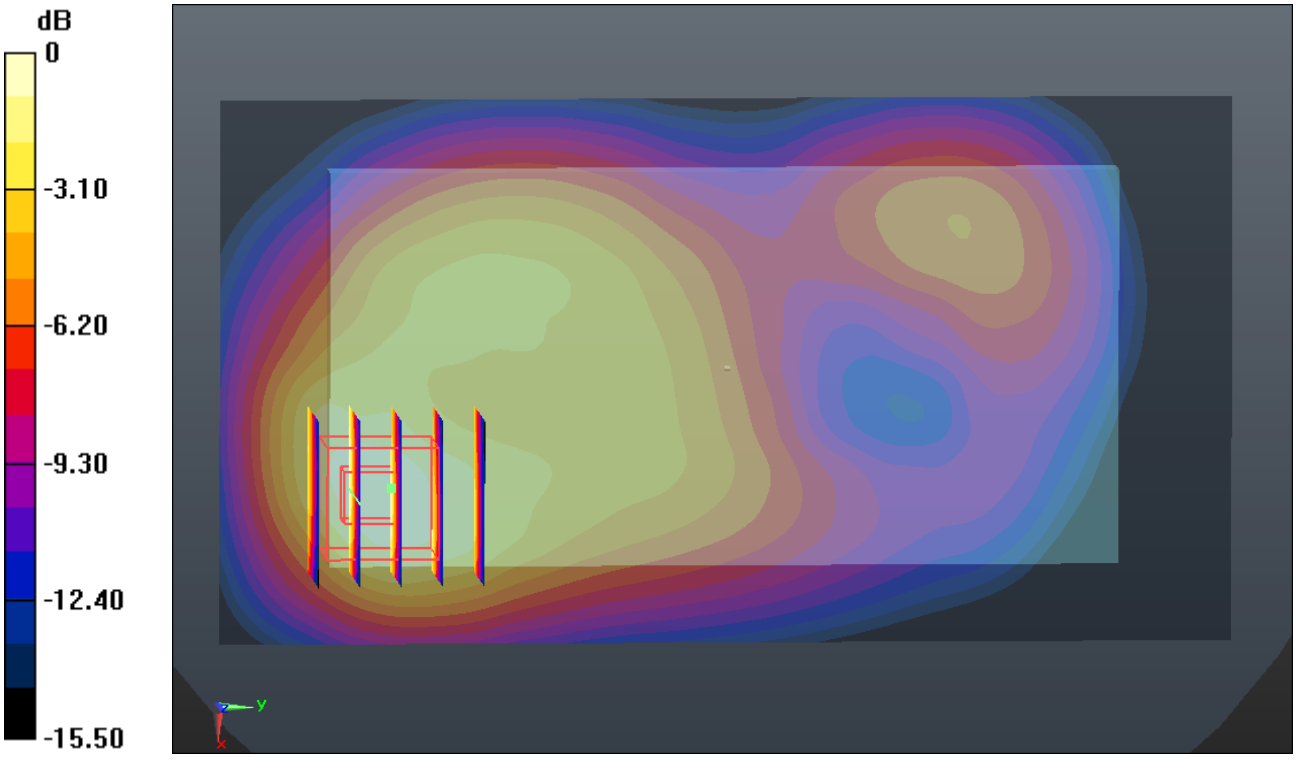
#14_WCDMA Band II_RMC12.2Kbps_Back 1cm_Ch9538

Communication System: UMTS (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_150222 Medium parameters used: f = 1907.6 MHz; σ = 1.56 mho/m; ε_r = 53.28; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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



0 dB = 1.430mW/g

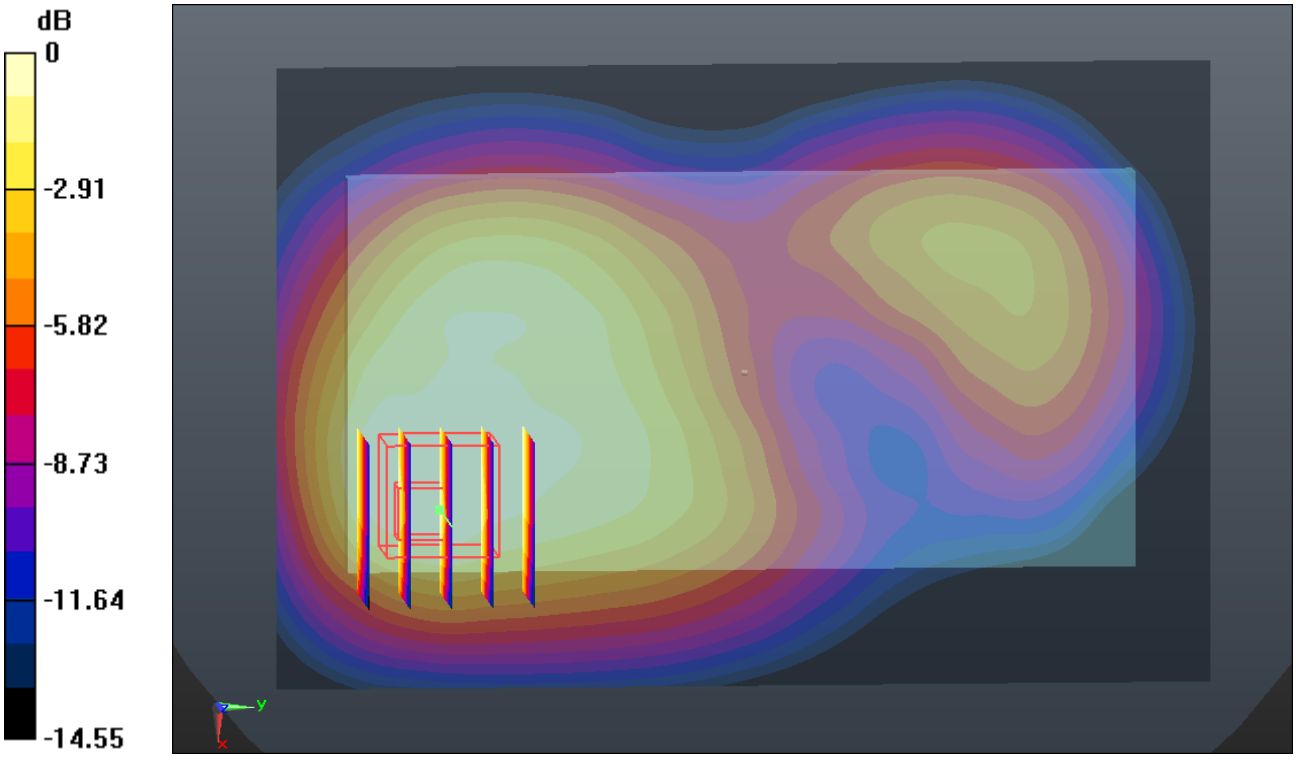
#15_LTE Band 4_20M_QPSK(1,0)_Back 1cm_Ch20175

Communication System: FDD_LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_150222 Medium parameters used: f = 1732.5 MHz; σ = 1.499 mho/m; ε_r = 54.965; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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



0 dB = 0.890mW/g

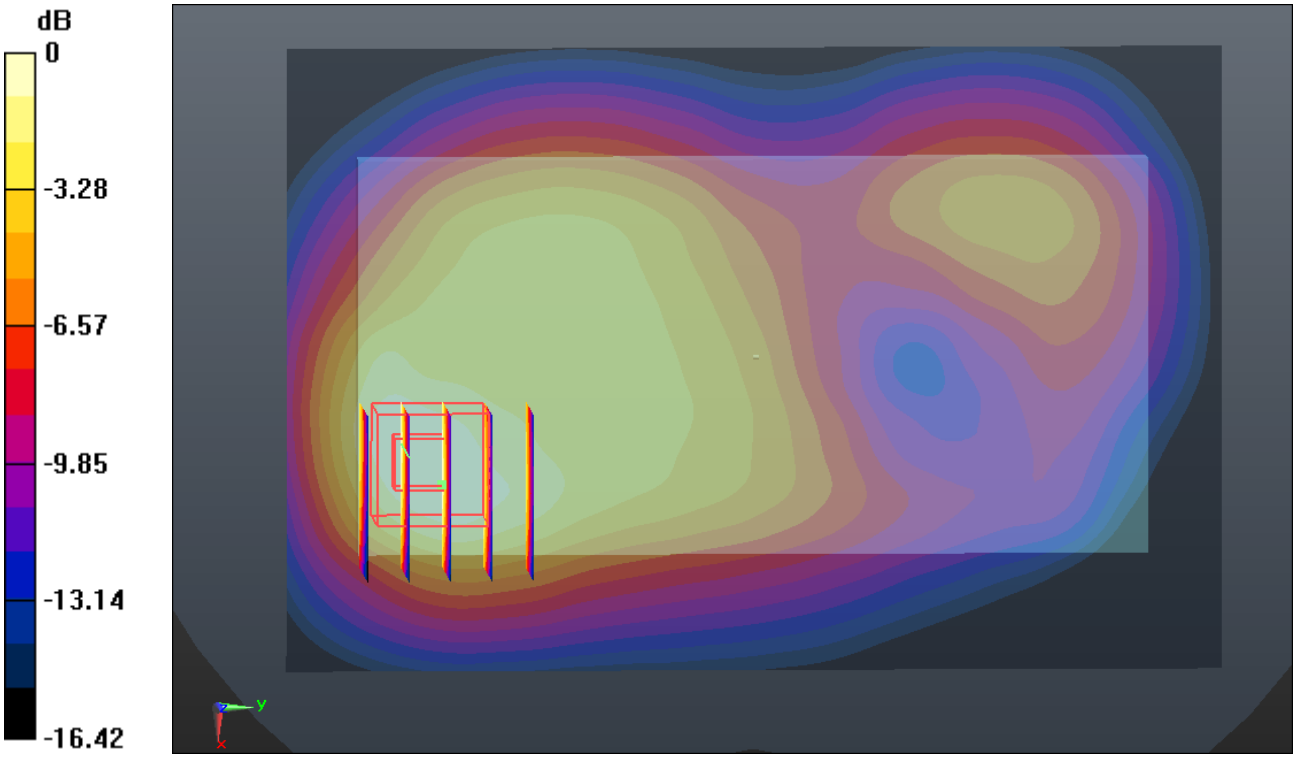
#16_LTE Band 2_20M_QPSK(1,0)_Back 1cm_Ch18900

Communication System: FDD_LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_150222 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.358; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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

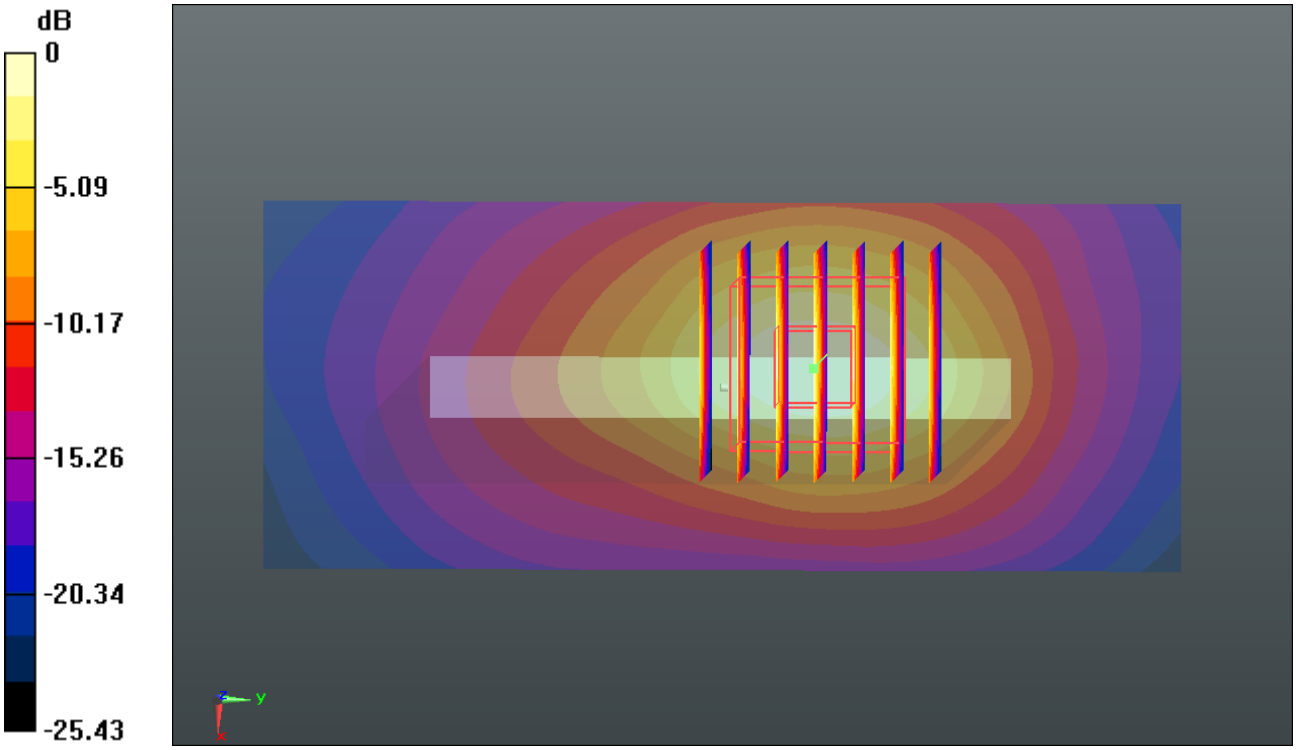
#17_LTE Band 7_20M_QPSK(1,0)_Bottom Side 1cm_Ch21350

Communication System: FDD_LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: MSL_2600_150301 Medium parameters used: f = 2560 MHz; σ = 2.149 mho/m; ε_r = 52.782; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

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



0 dB = 1.730mW/g

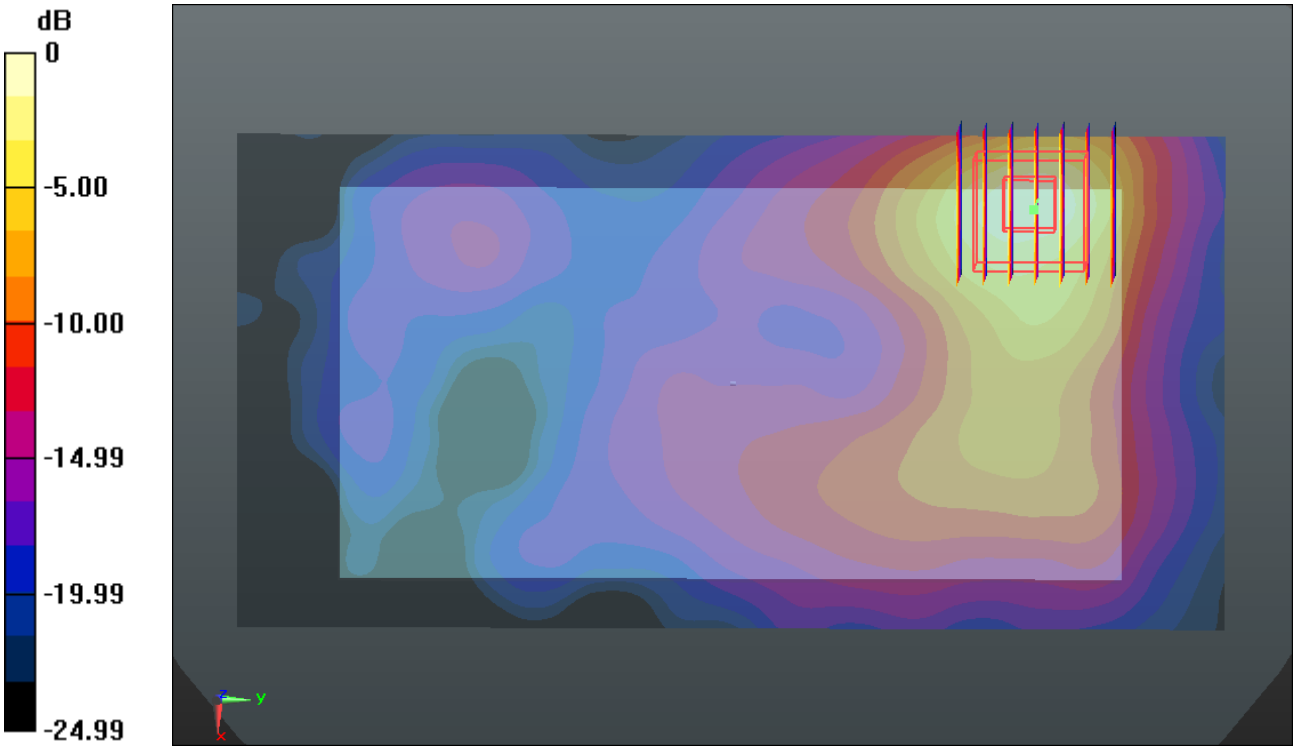
#18_WLAN 2.4GHz_802.11b_1Mbps_Back 1cm_Ch11

Communication System: WIFI (0); Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: MSL_2450_150301 Medium parameters used: f = 2462 MHz; σ = 1.95 mho/m; ε_r = 51.229; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.9 ℃

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



0 dB = 0.350mW/g

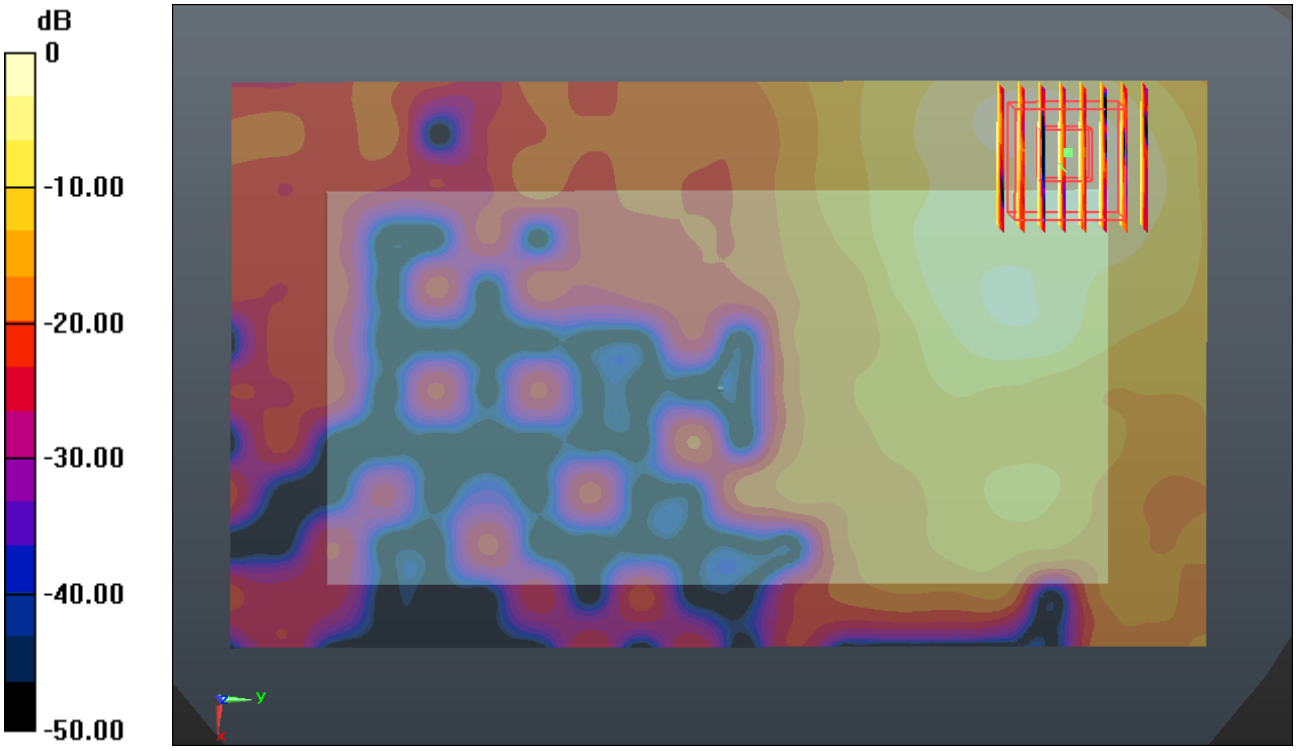
#19_WLAN 5.8GHz_802.11a_6Mbps_Back 1cm_Ch157

Communication System: WIFI (0); Frequency: 5785 MHz;Duty Cycle: 1:1.146
Medium: MSL_5000_150302 Medium parameters used: f = 5785 MHz; σ = 6.096 mho/m; ε_r = 47.214; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.7 ℃

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

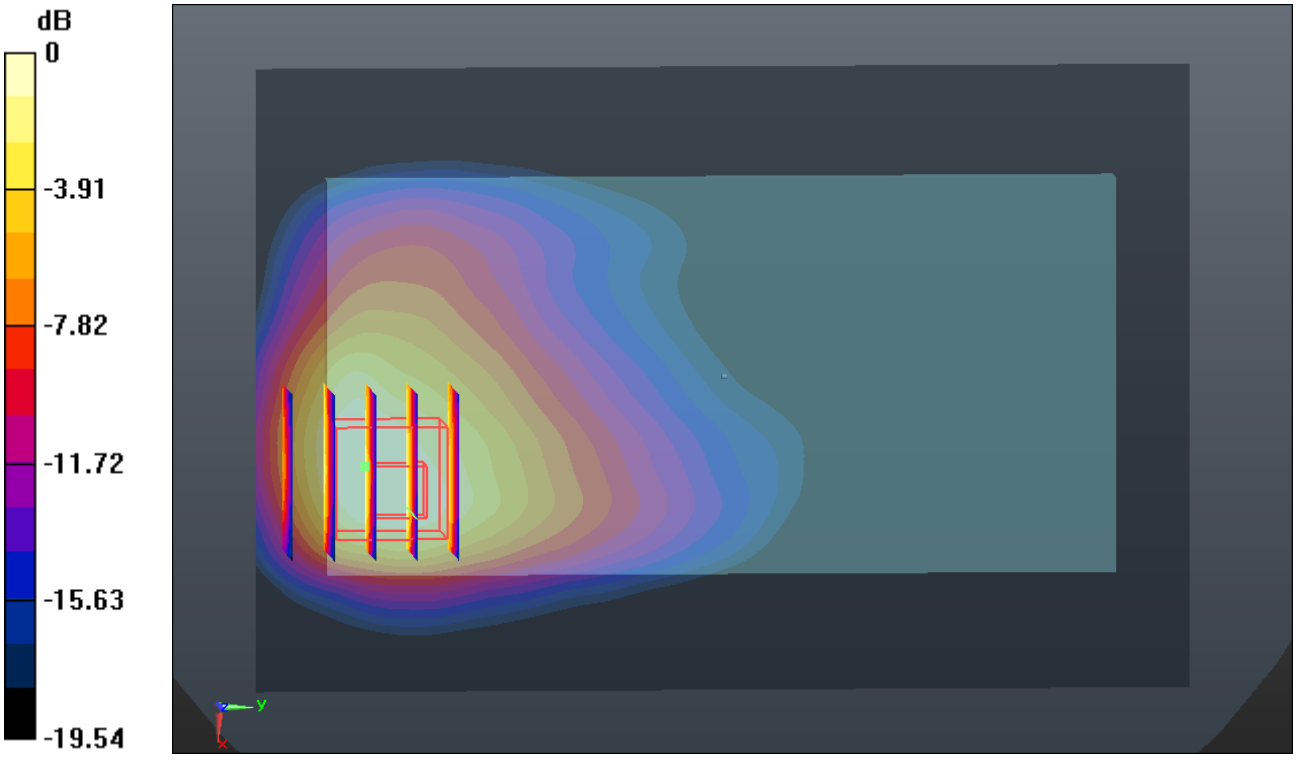
#20_LTE Band 2_20M_QPSK(1,0)_Back 0cm_Ch18900

Communication System: FDD_LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_150222 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.358; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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



0 dB = 6.990mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015.03.02

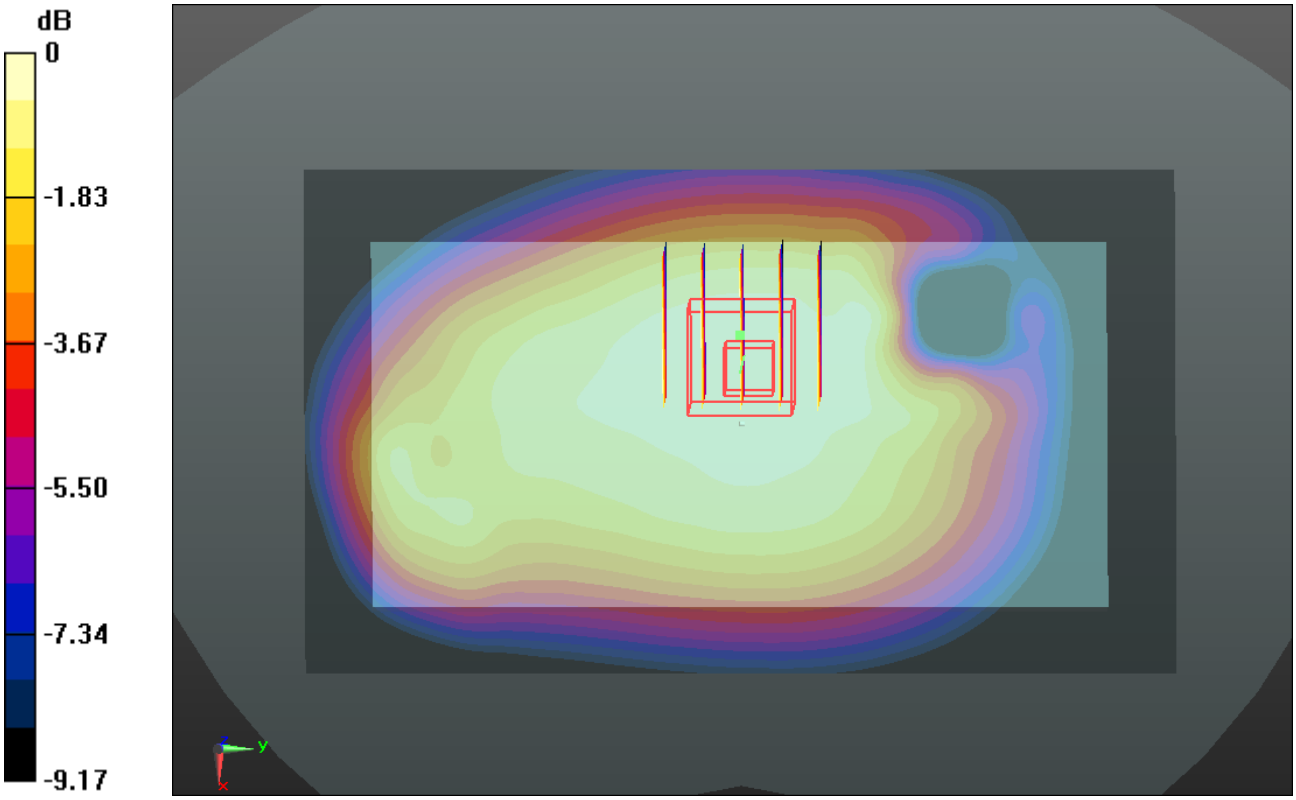
#21_GSM850_GPRS (4 Tx slots)_Back 1cm_Ch251

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; σ = 0.993 mho/m; ε_r = 53.923; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.5 ℃

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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015.02.22

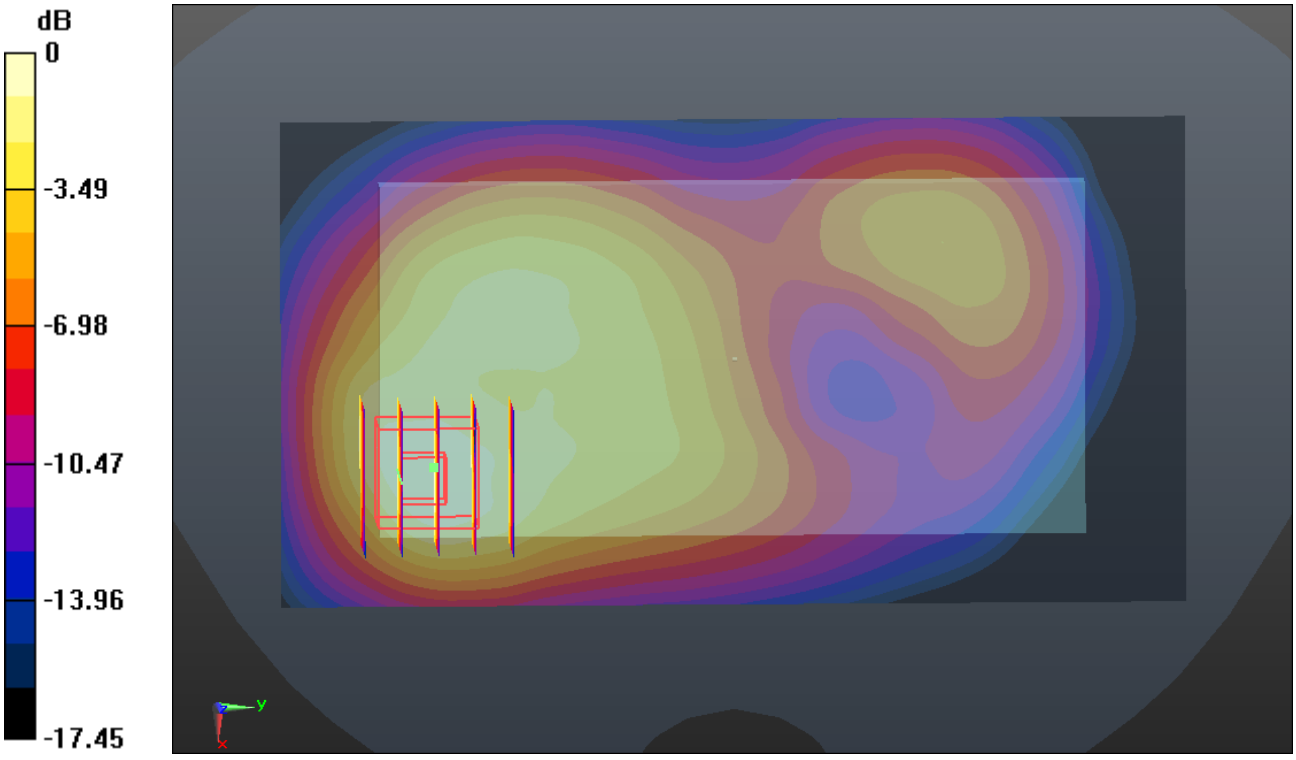
#22_GSM1900_GPRS (4 Tx slots)_Back 1cm_Ch512

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; σ = 1.492 mho/m; ε_r = 53.419; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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

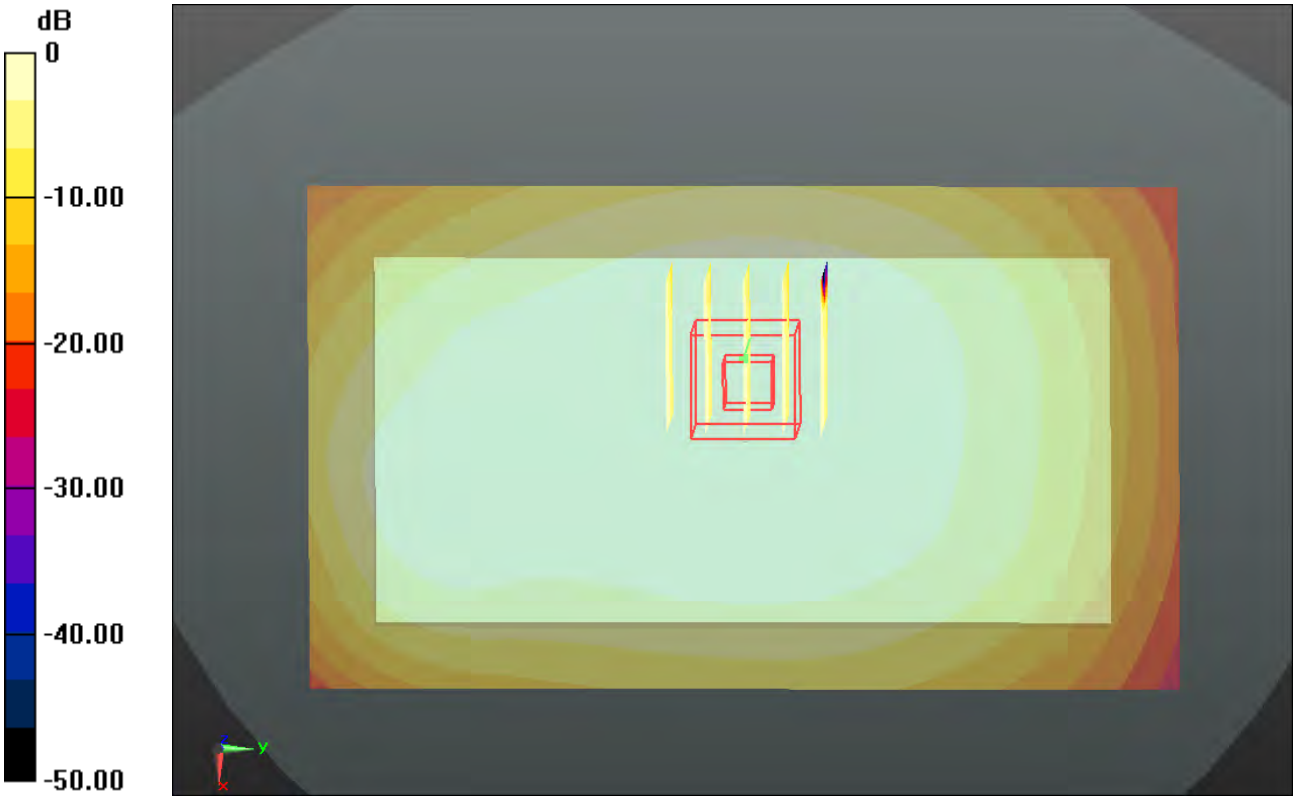
#23_WCDMA Band V_RMC12.2Kbps_Back 1cm_Ch4233

Communication System: UMTS (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_150302 Medium parameters used: f = 846.6 MHz; σ = 0.991 mho/m; ε_r = 53.949; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.5 ℃

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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015.02.22

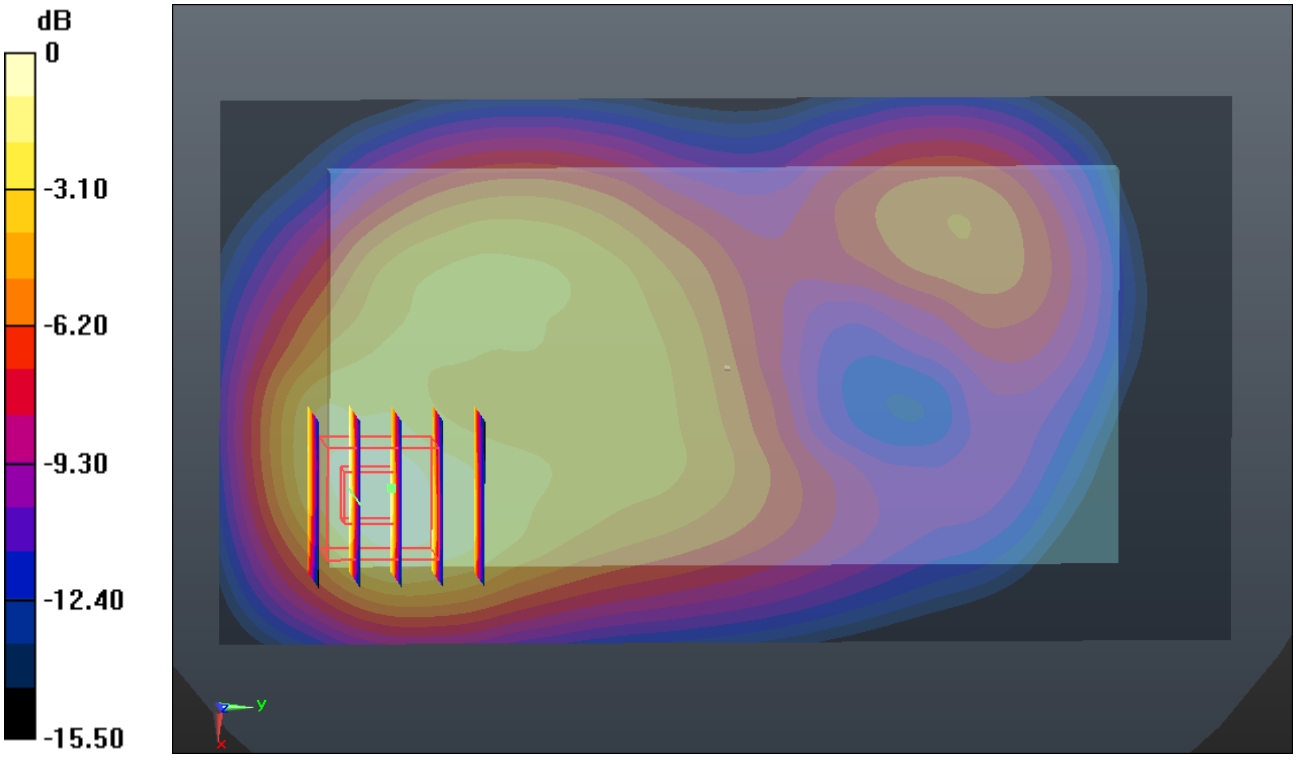
#24_WCDMA Band II_RMC12.2Kbps_Back 1cm_Ch9538

Communication System: UMTS (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_150222 Medium parameters used: f = 1907.6 MHz; σ = 1.56 mho/m; ε_r = 53.28; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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



0 dB = 1.430mW/g

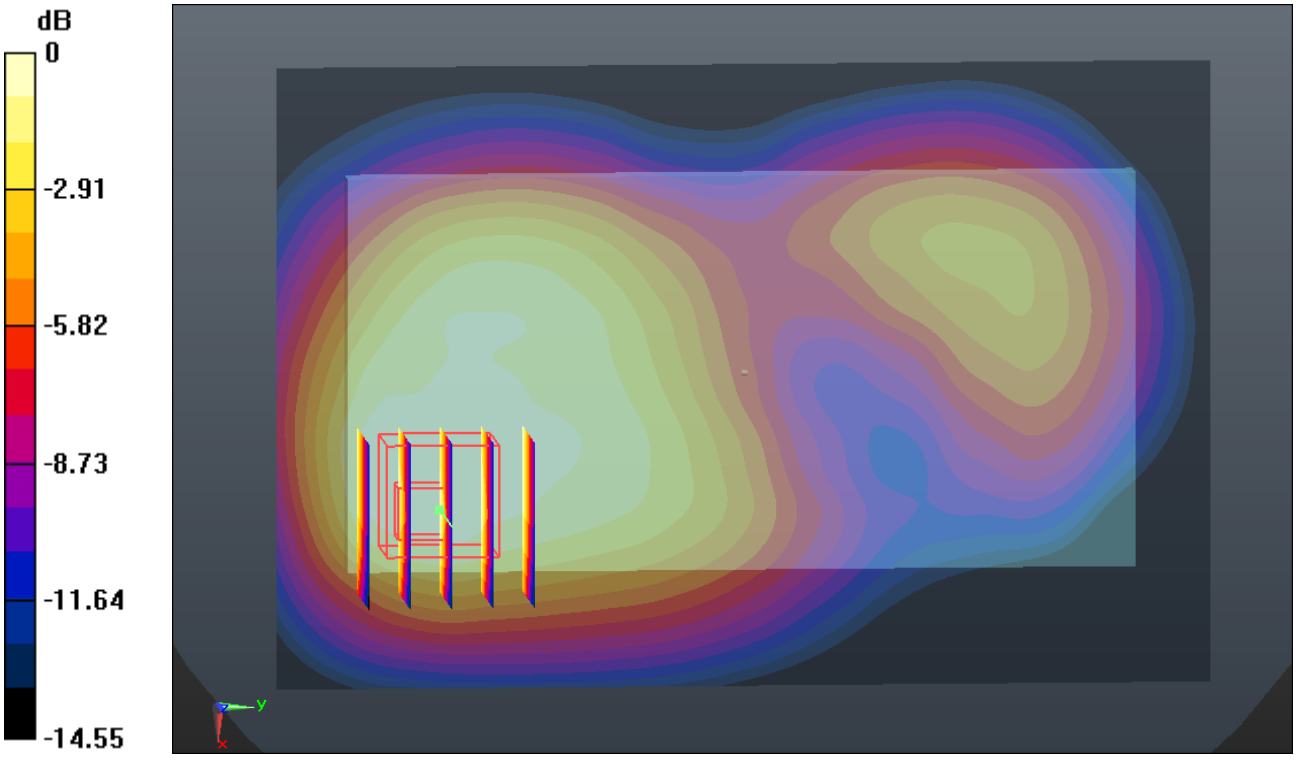
#25_LTE Band 4_20M_QPSK(1,0)_Back 1cm_Ch20175

Communication System: FDD_LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_150222 Medium parameters used: f = 1732.5 MHz; σ = 1.499 mho/m; ε_r = 54.965; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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



0 dB = 0.890mW/g

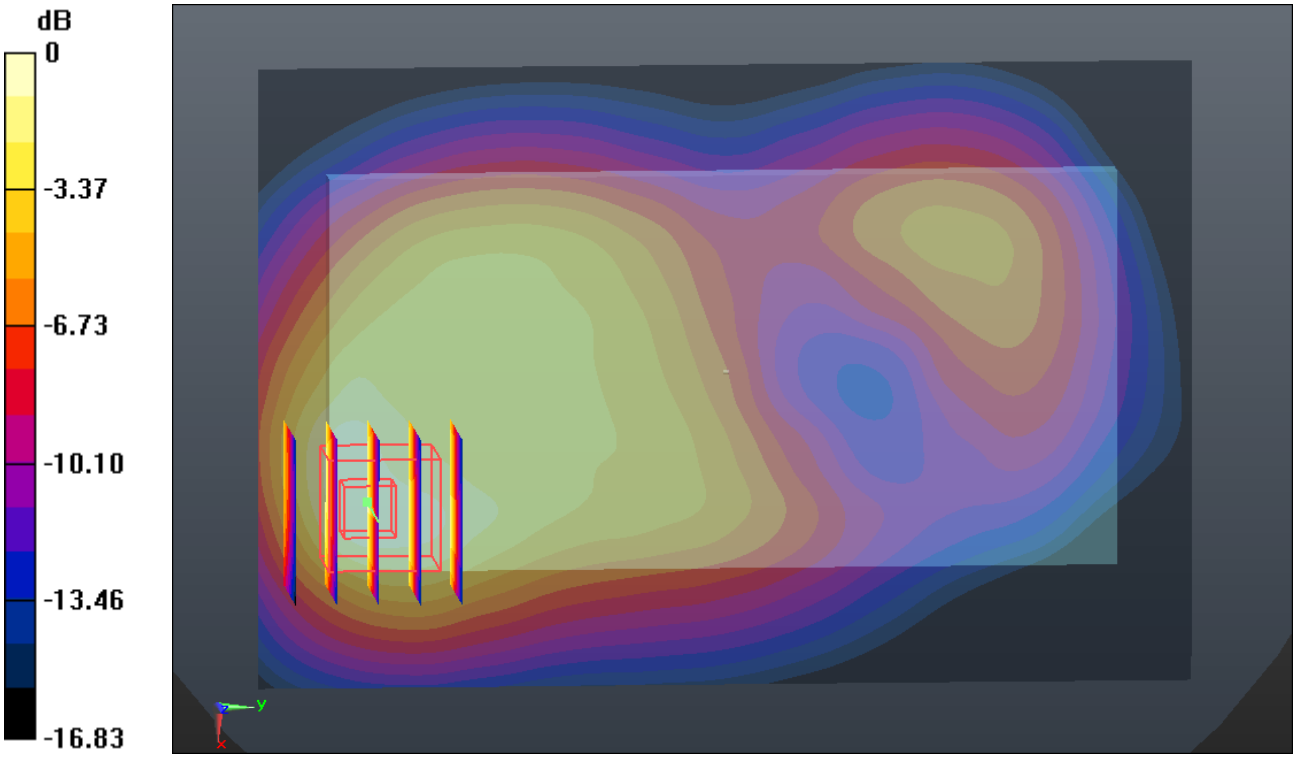
#26_LTE Band 2_20M_QPSK(1,0)_Back 1cm_Ch18900_Headset

Communication System: FDD_LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_150222 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.358; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.6 ℃

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



0 dB = 1.520mW/g

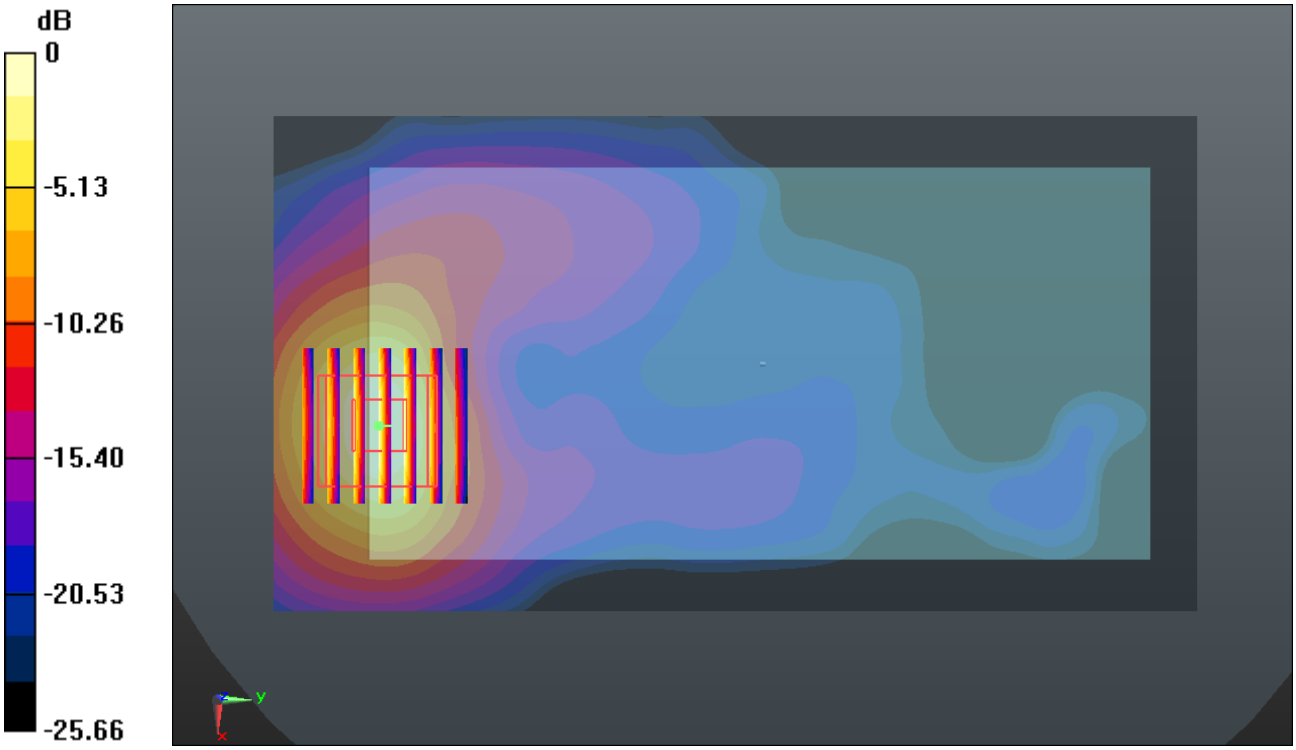
#27_LTE Band 7_20M_QPSK(1,0)_Back 1cm_Ch21350

Communication System: FDD_LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: MSL_2600_150301 Medium parameters used: f = 2560 MHz; σ = 2.149 mho/m; ε_r = 52.782; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

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



0 dB = 1.570mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015.03.01

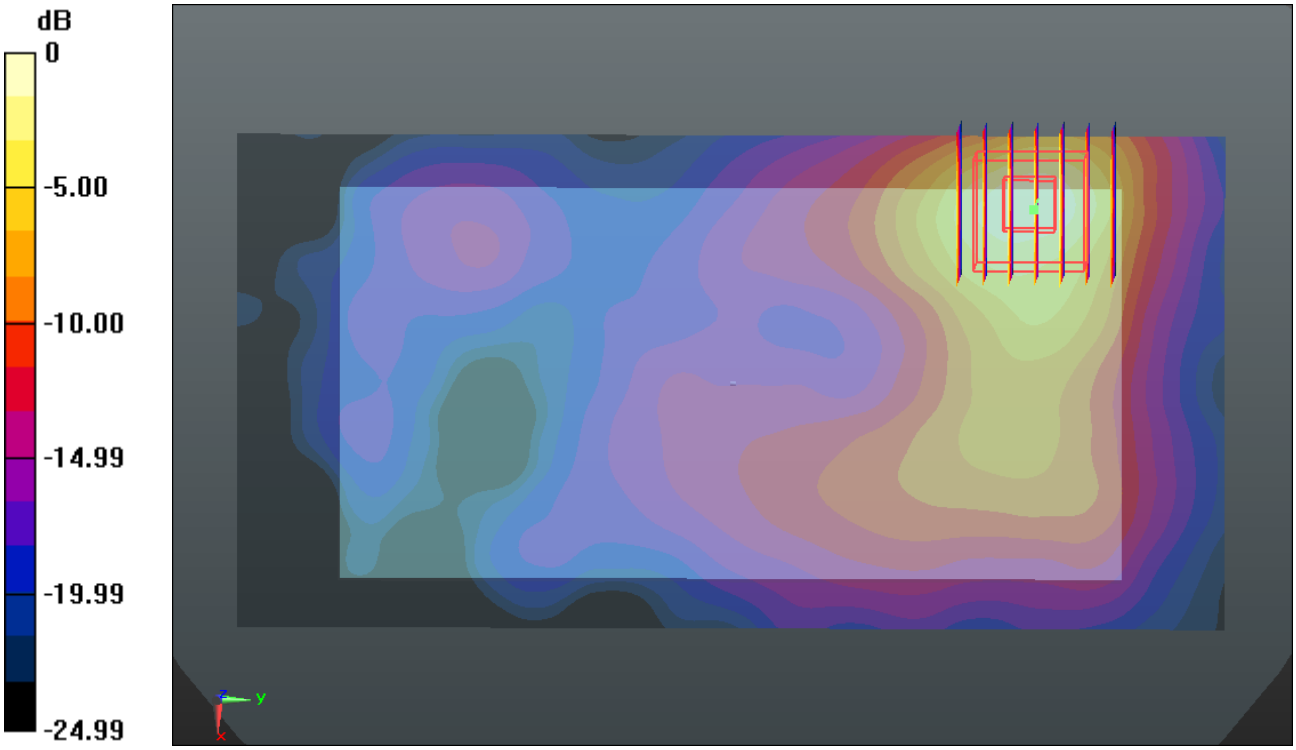
#28_WLAN 2.4GHz_802.11b_1Mbps_Back 1cm_Ch11

Communication System: WIFI (0); Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: MSL_2450_150301 Medium parameters used: f = 2462 MHz; σ = 1.95 mho/m; ε_r = 51.229; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.9 ℃

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



0 dB = 0.350mW/g

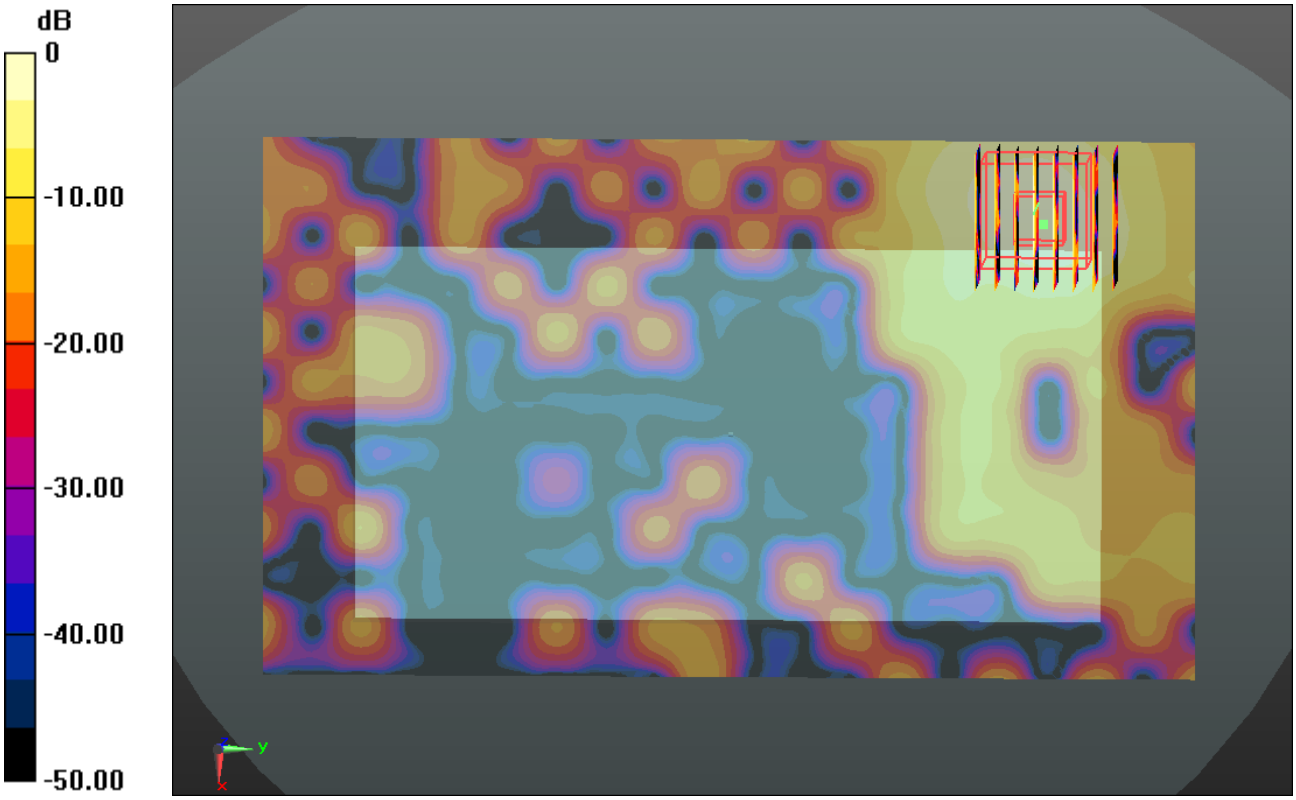
#29_WLAN 5.2GHz_802.11a_6Mbps_Back 1cm_Ch48

Communication System: WIFI (0); Frequency: 5240 MHz;Duty Cycle: 1:1.146
Medium: MSL_5000_150302 Medium parameters used: f = 5240 MHz; σ = 5.339 mho/m; ε_r = 48.474; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.7 ℃

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

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015.03.02

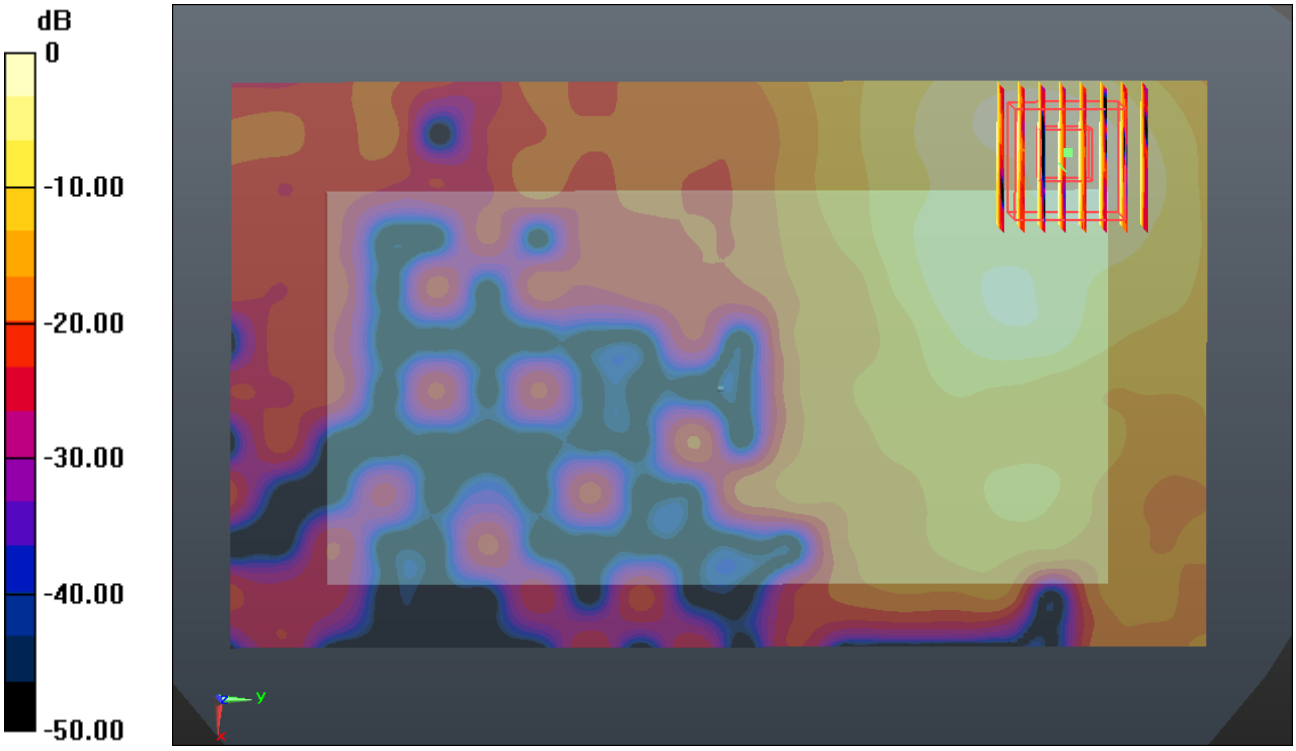
#30_WLAN 5.8GHz_802.11a_6Mbps_Back 1cm_Ch157

Communication System: WIFI (0); Frequency: 5785 MHz;Duty Cycle: 1:1.146
Medium: MSL_5000_150302 Medium parameters used: f = 5785 MHz; σ = 6.096 mho/m; ε_r = 47.214; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.7 ℃

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