Appendix B. Plots of SAR Measurement

The plots are shown as follows.

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

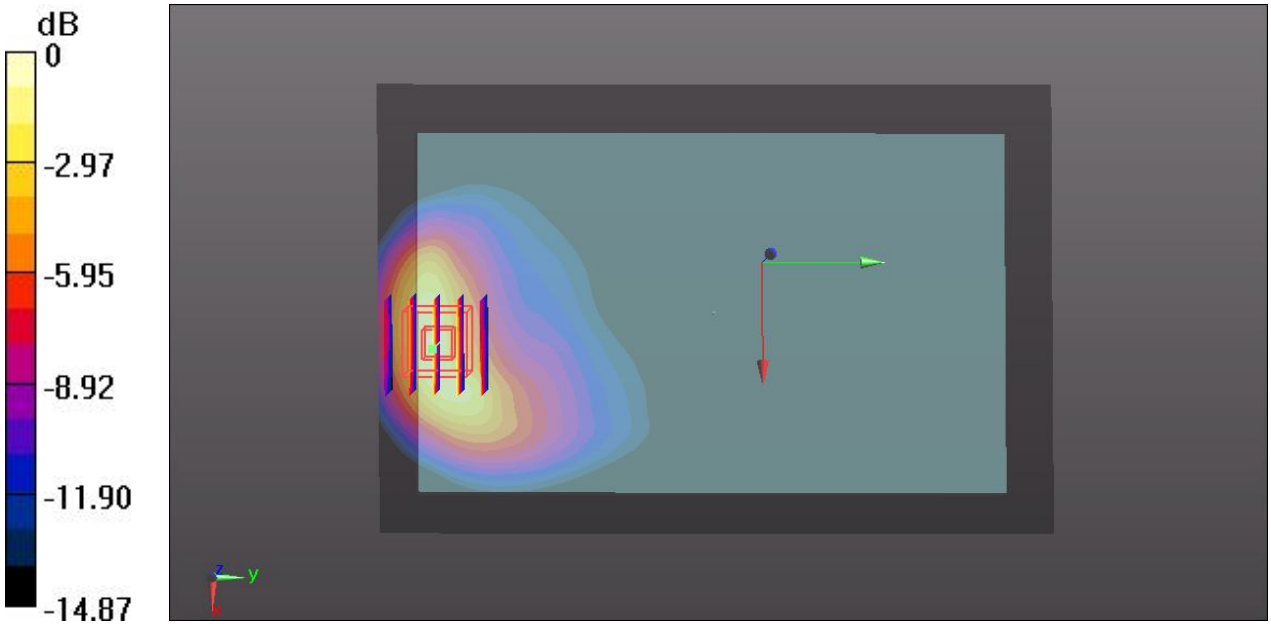
01 GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch128

Communication System: UID 0, GPRS/EDGE10; Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium: MSL_835_131115 Medium parameters used: f = 824.2 MHz; σ = 1 S/m; ε_r = 56.363; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch128/Area Scan (101x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.35 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.314 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.21 W/kg
SAR(1 g) = 1.180 W/kg; SAR(10 g) = 0.605 W/kg
Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

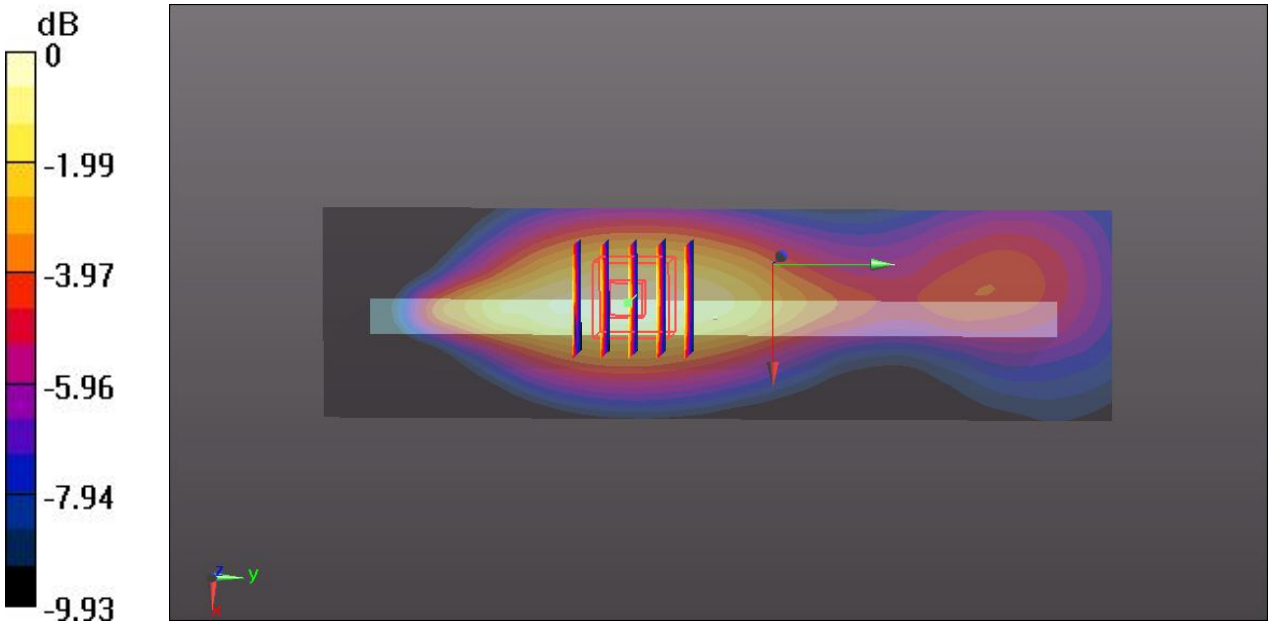
02 GSM850_GPRS (2 Tx slots)_Edge 2_0cm_Ch128

Communication System: UID 0, GPRS/EDGE10; Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium: MSL_835_131115 Medium parameters used: f = 824.2 MHz; σ = 1 S/m; ε_r = 56.363; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch128/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0997 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.148 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.120 W/kg
SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.055 W/kg
Maximum value of SAR (measured) = 0.103 W/kg



0 dB = 0.103 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

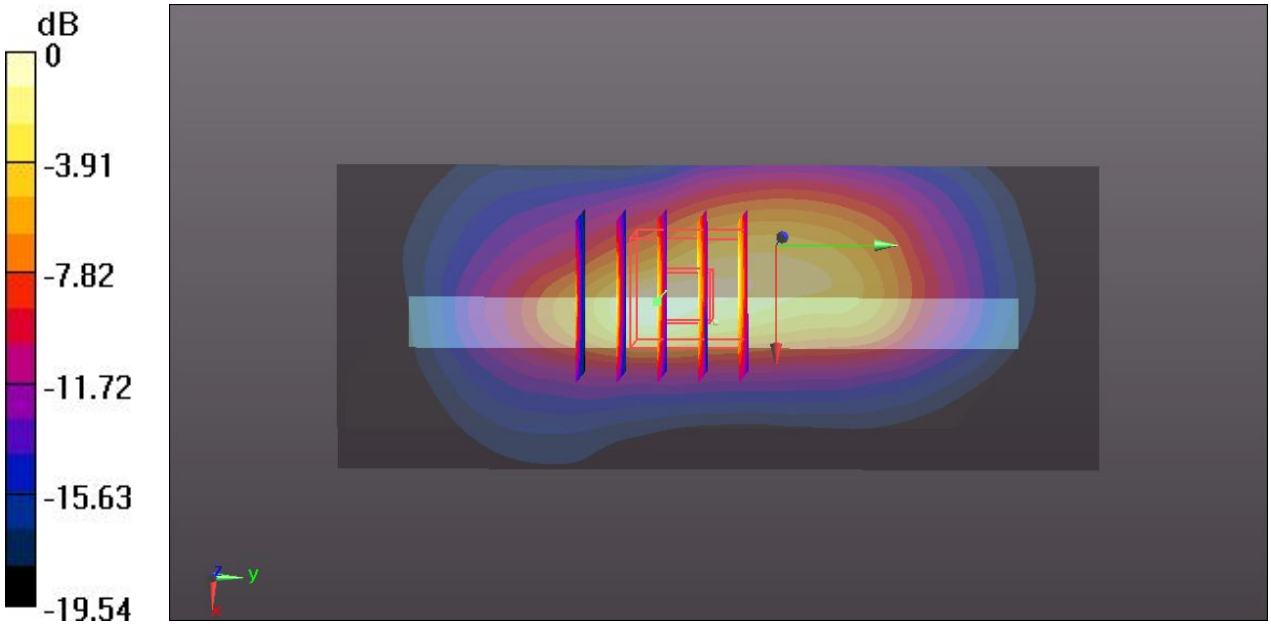
03 GSM850_GPRS (2 Tx slots)_Edge 3_0cm_Ch128

Communication System: UID 0, GPRS/EDGE10; Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium: MSL_835_131115 Medium parameters used: f = 824.2 MHz; σ = 1 S/m; ε_r = 56.363; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch128/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.874 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.999 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.280 W/kg
Maximum value of SAR (measured) = 0.917 W/kg



0 dB = 0.917 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

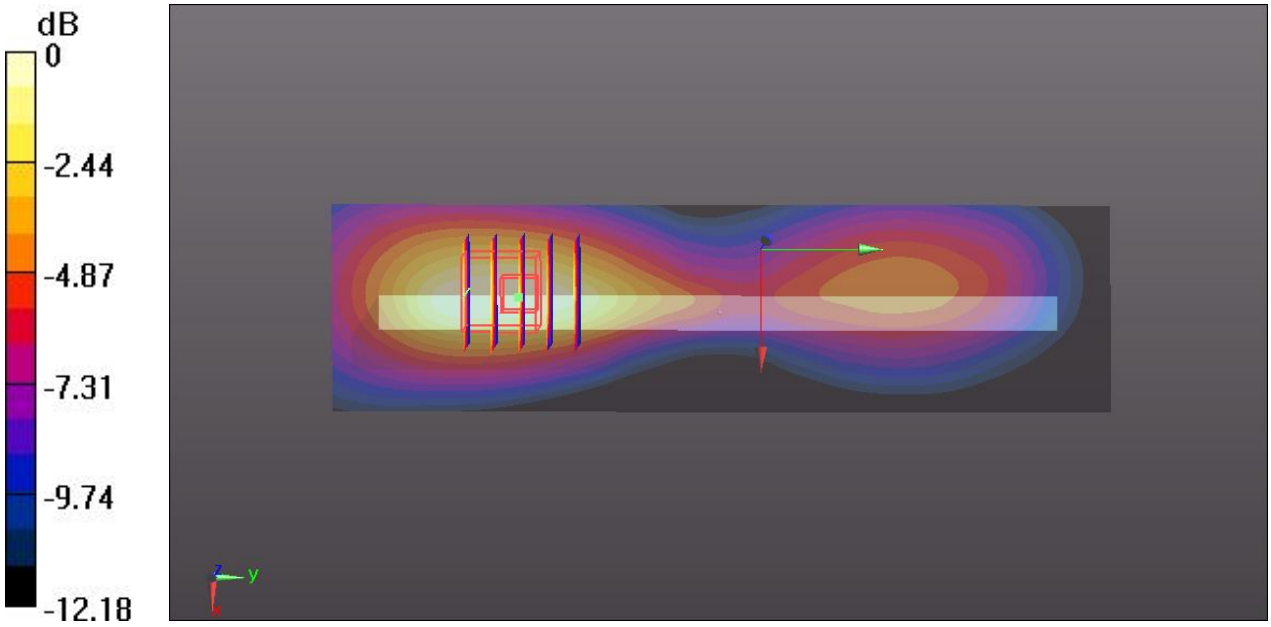
04 GSM850_GPRS (2 Tx slots)_Edge 4_0cm_Ch128

Communication System: UID 0, GPRS/EDGE10; Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium: MSL_835_131115 Medium parameters used: f = 824.2 MHz; σ = 1 S/m; ε_r = 56.363; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch128/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.144 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.171 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.174 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.066 W/kg
Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

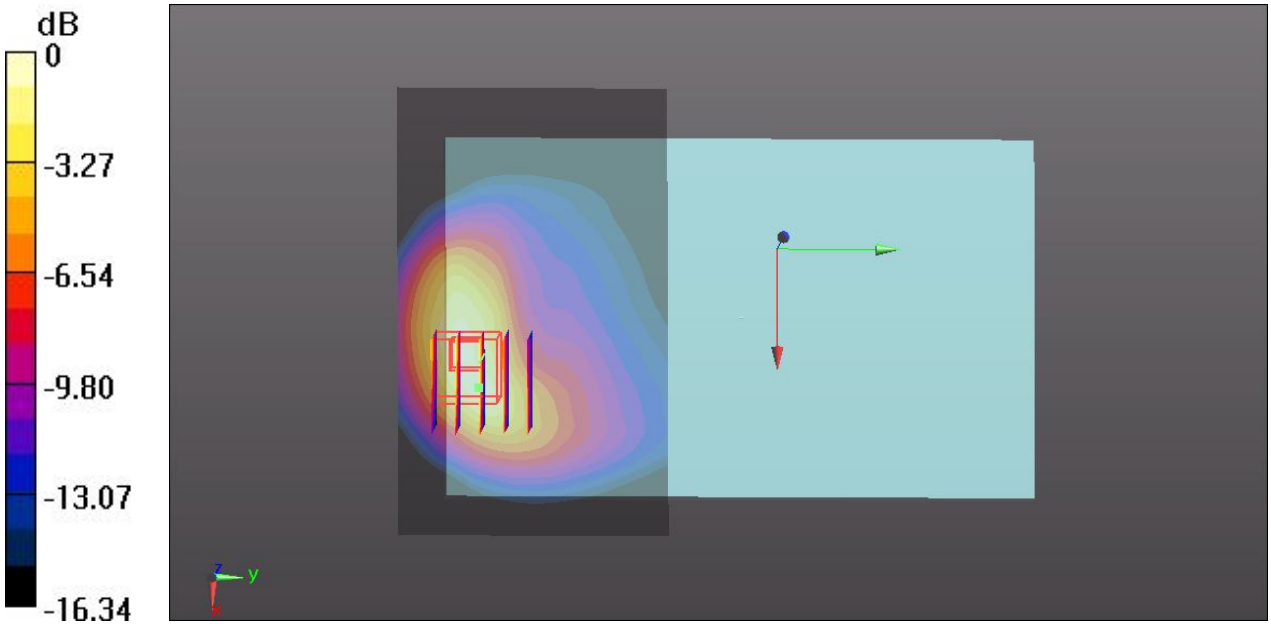
05 GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch189

Communication System: UID 0, GPRS/EDGE10; Frequency: 836.4 MHz;Duty Cycle: 1:4.15
Medium: MSL_835_131115 Medium parameters used: f = 836.4 MHz; σ = 1.013 S/m; ε_r = 56.228; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch189/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.33 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.244 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 1.170 W/kg; SAR(10 g) = 0.590 W/kg
Maximum value of SAR (measured) = 1.51 W/kg



0 dB = 1.51 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

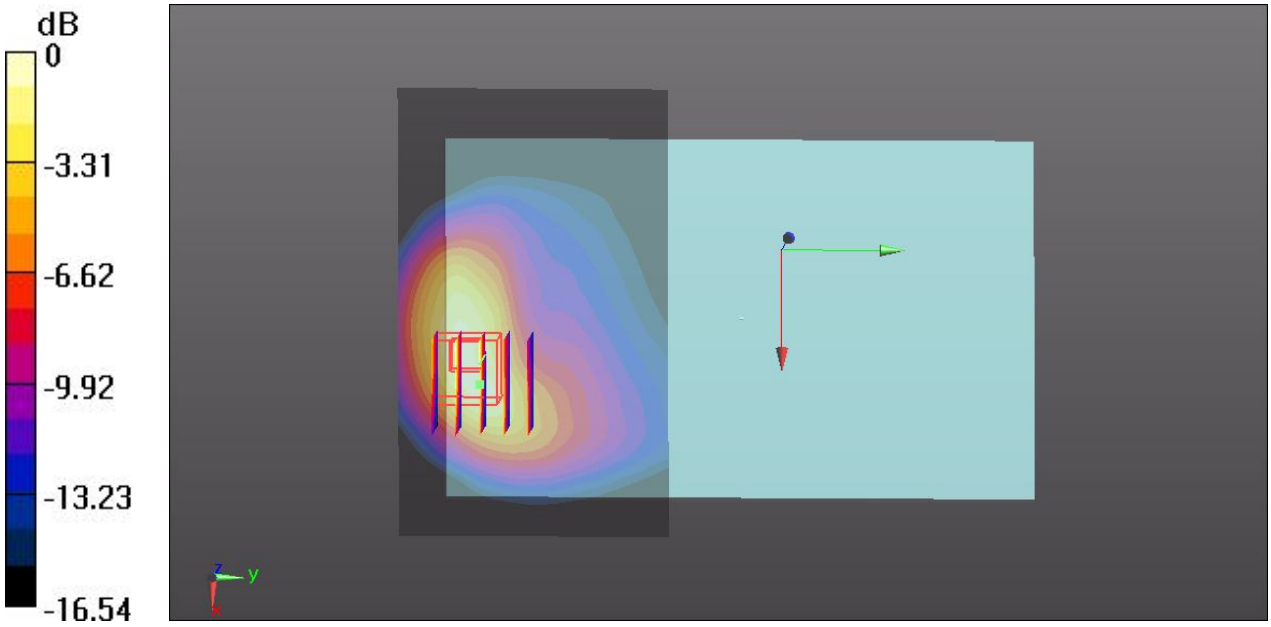
06 GSM850_GPRS (2 Tx slots)_Bottom Face_0cm_Ch251

Communication System: UID 0, GPRS/EDGE10; Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium: MSL_835_131115 Medium parameters used: f = 849 MHz; σ = 1.026 S/m; ε_r = 56.11; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch251/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.245 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.98 W/kg
SAR(1 g) = 1.060 W/kg; SAR(10 g) = 0.534 W/kg
Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

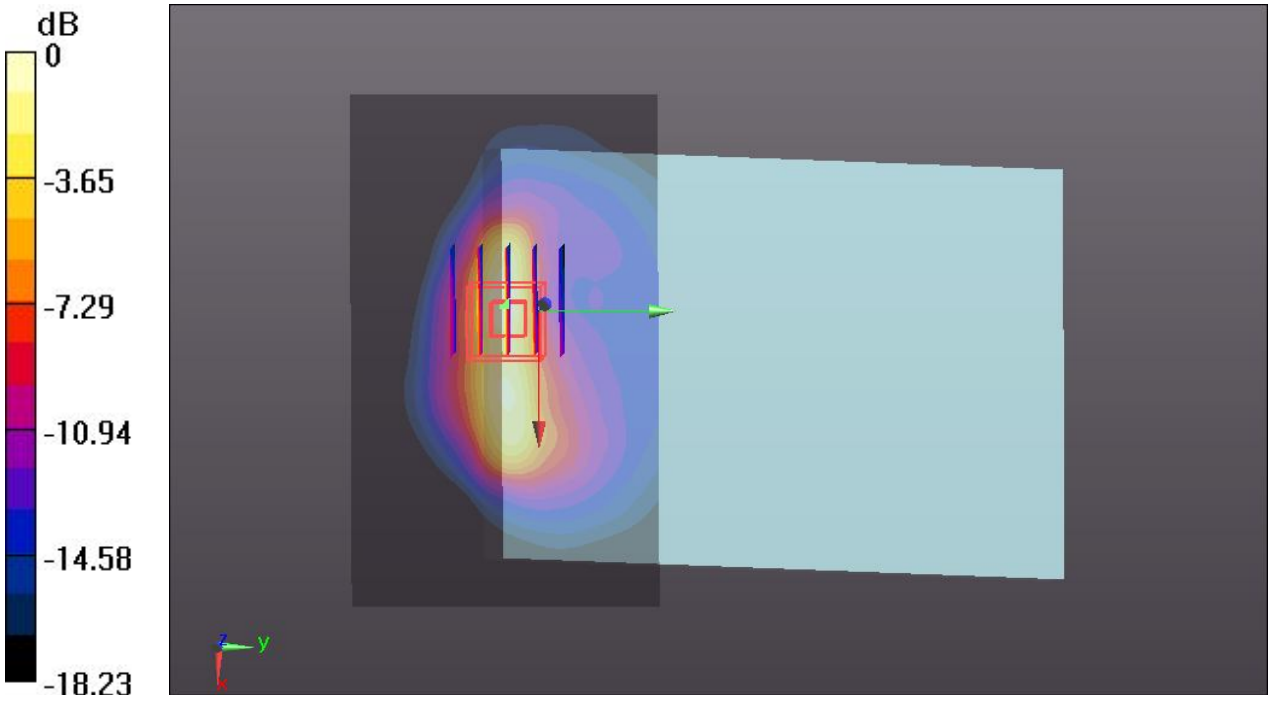
07 GSM850_GPRS (2 Tx slots)_Curve Face 3 tilted 30 Degree_0cm_Ch128

Communication System: UID 0, GPRS/EDGE10 (0); Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium: MSL_835_131115 Medium parameters used: f = 824.2 MHz; σ = 1 S/m; ε_r = 56.363; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch128/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.843 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.816 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.230 W/kg
Maximum value of SAR (measured) = 0.844 W/kg



0 dB = 0.844 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

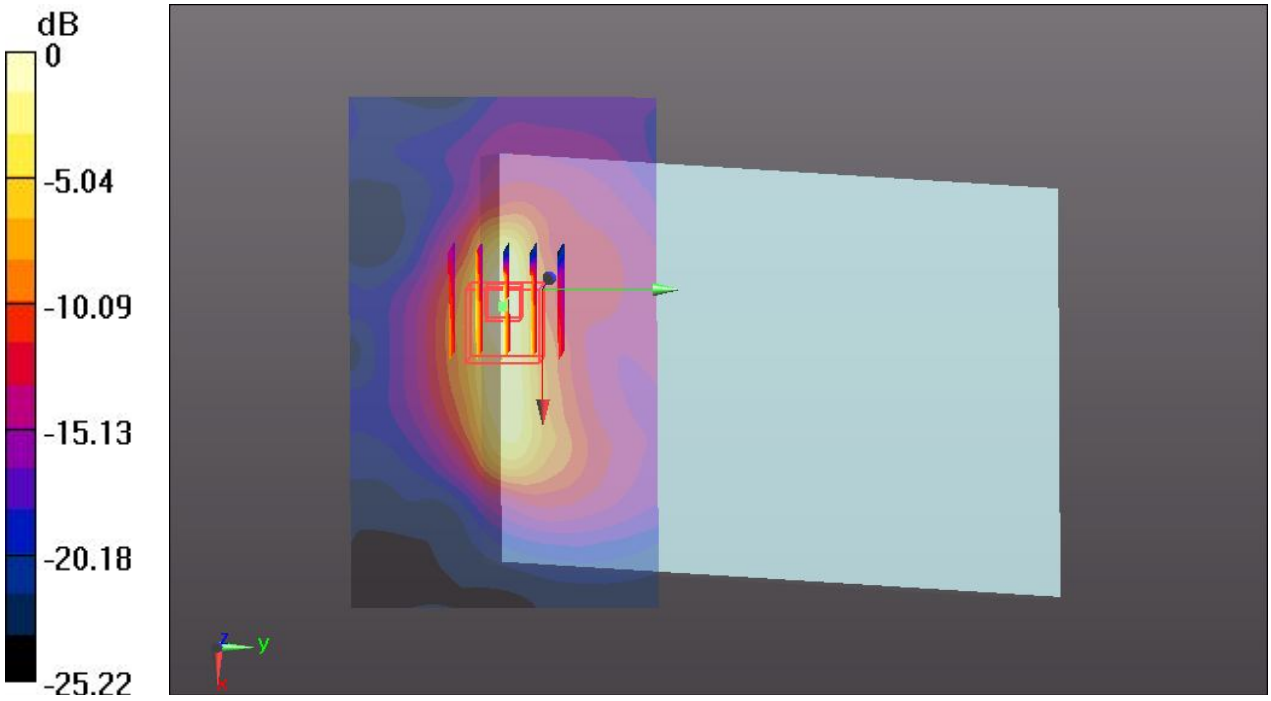
08 GSM850_GPRS (2 Tx slots)_Curve Face 3 tilted 30 Degree_0cm_Ch189

Communication System: UID 0, GPRS/EDGE10 (0); Frequency: 836.4 MHz;Duty Cycle: 1:4.15
Medium: MSL_835_131115 Medium parameters used: f = 836.4 MHz; σ = 1.013 S/m; ε_r = 56.228; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch189/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.850 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.982 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.238 W/kg
Maximum value of SAR (measured) = 0.845 W/kg



0 dB = 0.845 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

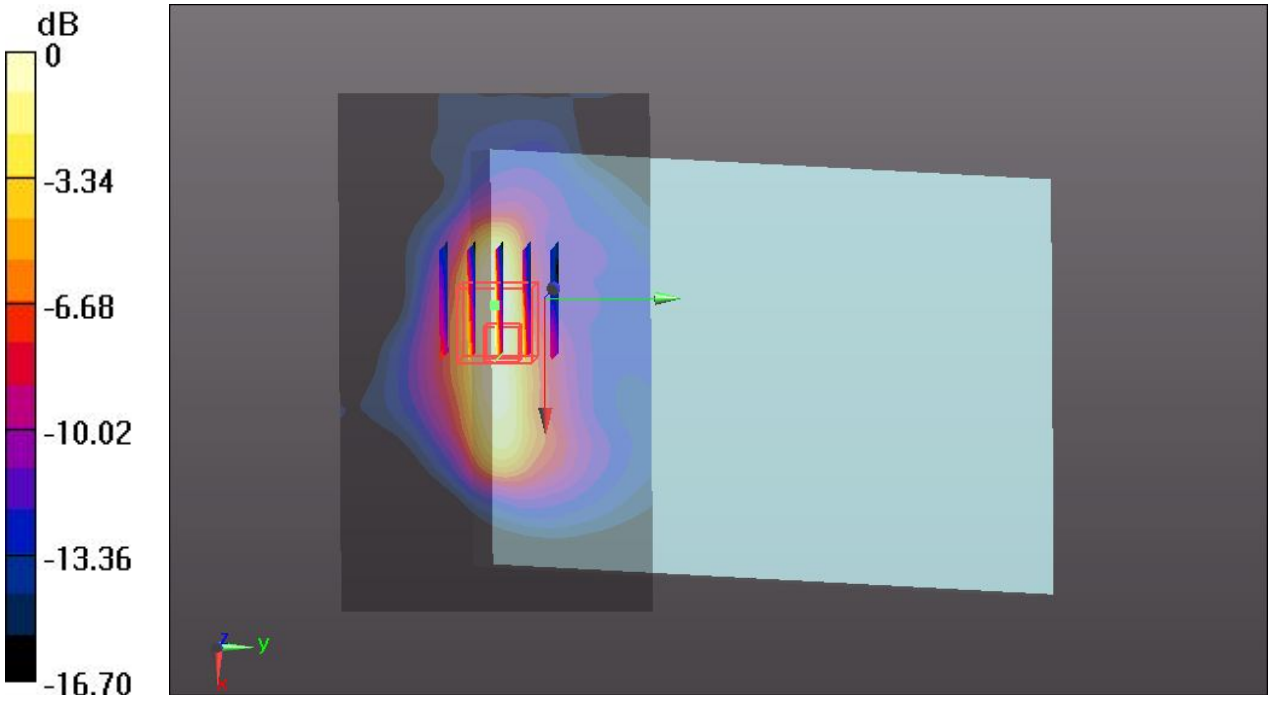
09 GSM850_GPRS (2 Tx slots)_Curve Face 3 tilted 30 Degree_0cm_Ch251

Communication System: UID 0, GPRS/EDGE10 (0); Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium: MSL_835_131115 Medium parameters used: f = 849 MHz; σ = 1.026 S/m; ε_r = 56.11; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch251/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.573 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.566 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.618 W/kg
SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.139 W/kg
Maximum value of SAR (measured) = 0.456 W/kg



0 dB = 0.456 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

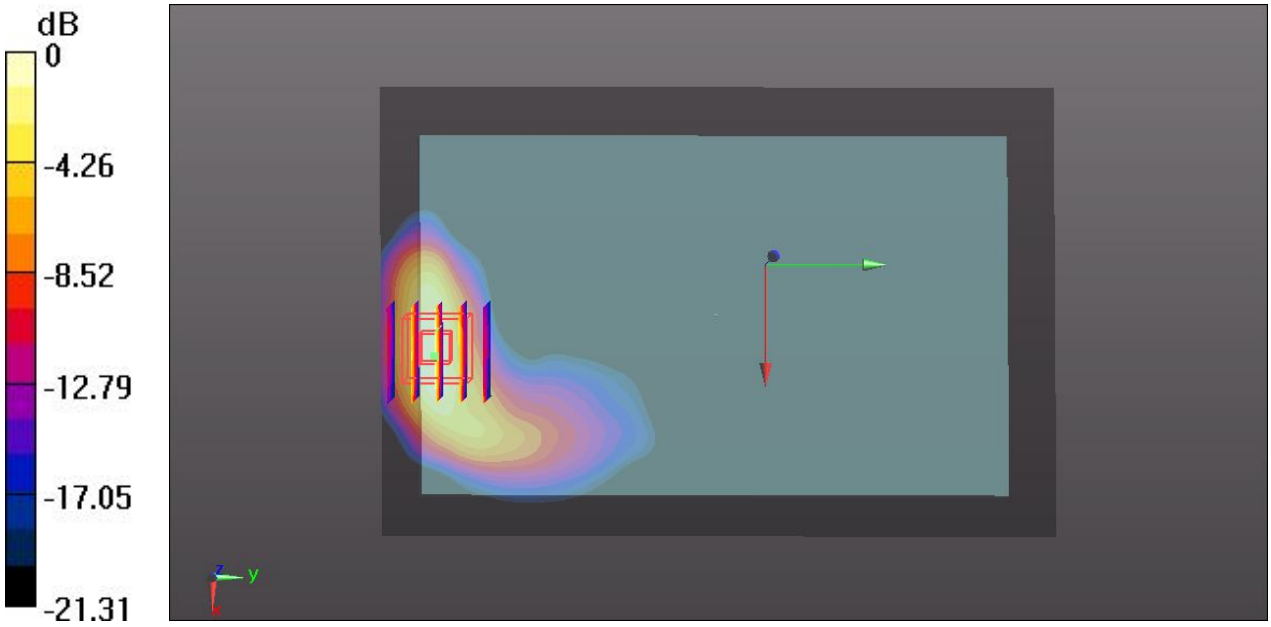
70 GSM1900_GPRS (2 Tx slots)_Bottom Face_0cm_Ch810

Communication System: UID 0, GPRS/EDGE10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_131117 Medium parameters used: f = 1910 MHz; σ = 1.544 S/m; ε_r = 54.586; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch810/Area Scan (101x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.631 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.851 W/kg
SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.204 W/kg
Maximum value of SAR (measured) = 0.647 W/kg



0 dB = 0.647 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

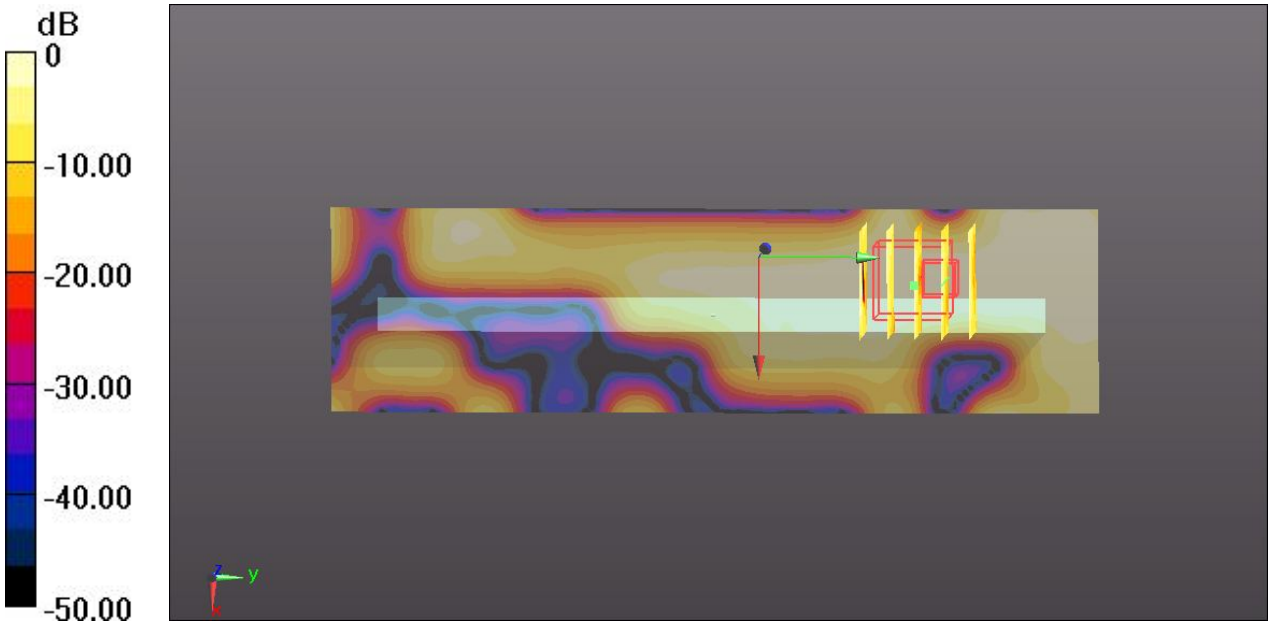
71 GSM1900_GPRS (2 Tx slots)_Edge 2_0cm_Ch810

Communication System: UID 0, GPRS/EDGE10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_131117 Medium parameters used: f = 1910 MHz; σ = 1.544 S/m; ε_r = 54.586; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch810/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0134 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.648 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.0130 W/kg
SAR(1 g) = 0.00626 W/kg; SAR(10 g) = 0.00339 W/kg
Maximum value of SAR (measured) = 0.00953 W/kg



0 dB = 0.00953 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

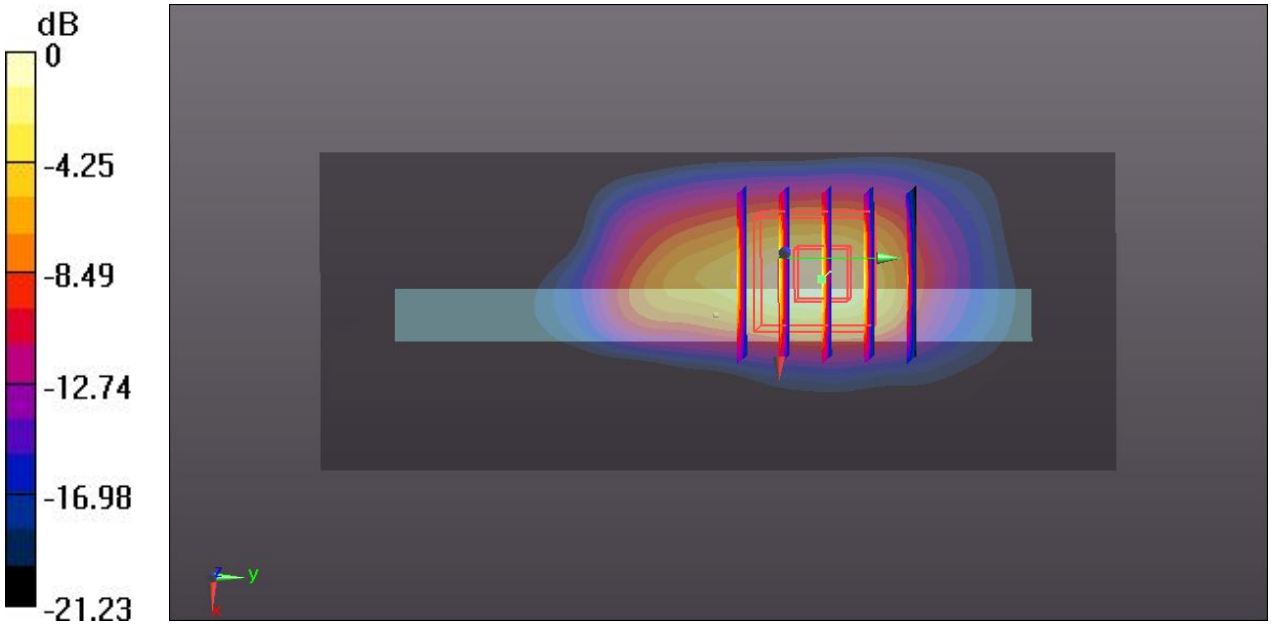
72 GSM1900_GPRS (2 Tx slots)_Edge 3_0cm_Ch810

Communication System: UID 0, GPRS/EDGE10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_131117 Medium parameters used: f = 1910 MHz; σ = 1.544 S/m; ε_r = 54.586; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch810/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.824 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.330 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.221 W/kg
Maximum value of SAR (measured) = 0.859 W/kg



0 dB = 0.859 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

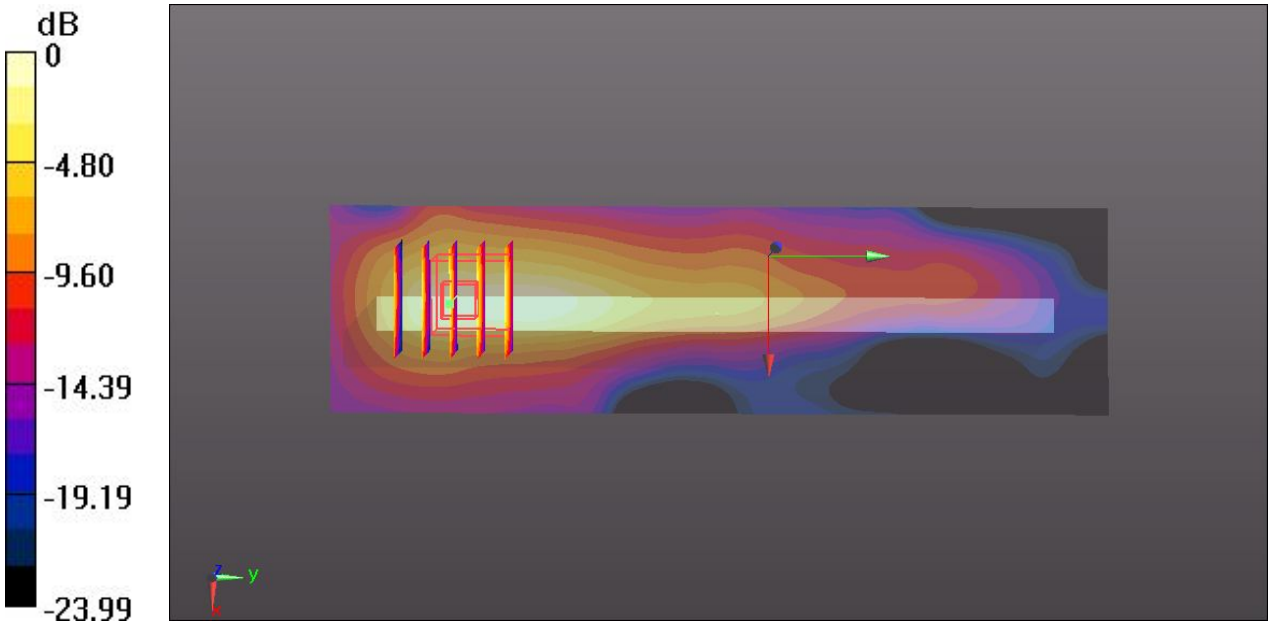
73 GSM1900_GPRS (2 Tx slots)_Edge 4_0cm_Ch810

Communication System: UID 0, GPRS/EDGE10; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_131117 Medium parameters used: f = 1910 MHz; σ = 1.544 S/m; ε_r = 54.586; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch810/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.118 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.869 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.038 W/kg
Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg

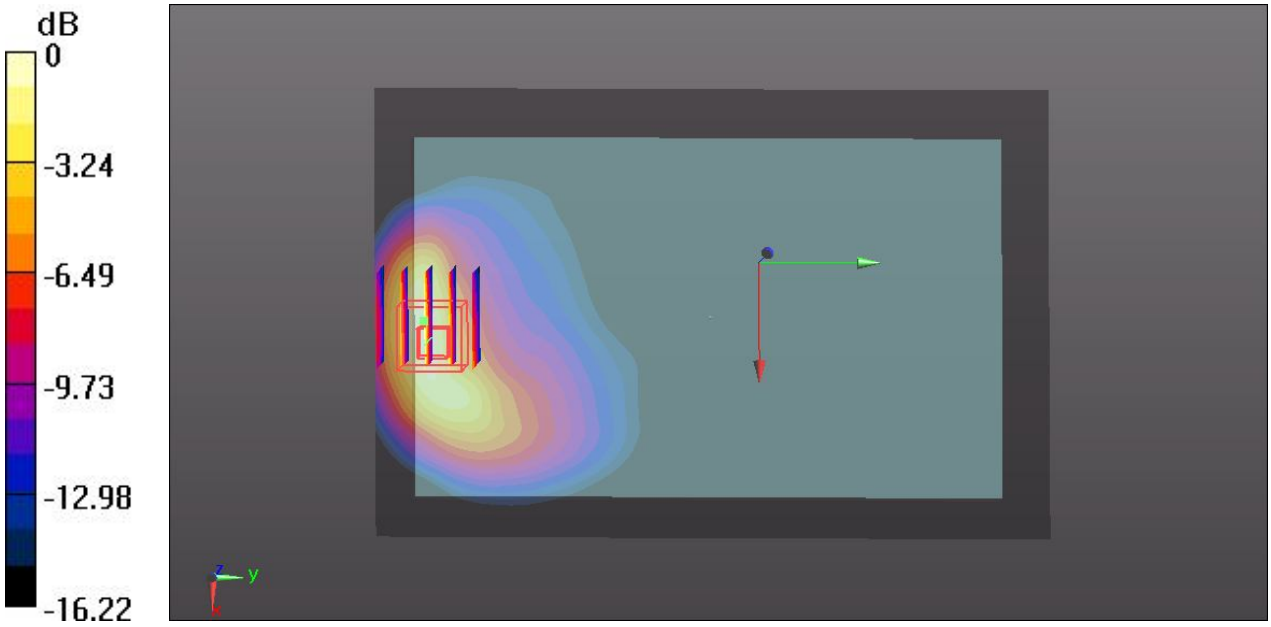
11 WCDMA Band V_RMC 12.2K_Bottom Face_0cm_Ch4132

Communication System: UID 0, UMTS; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 826.4 MHz; σ = 1.002 S/m; ε_r = 56.337; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch4132/Area Scan (101x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.57 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.586 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 1.300 W/kg; SAR(10 g) = 0.677 W/kg
Maximum value of SAR (measured) = 1.74 W/kg



0 dB = 1.74 W/kg

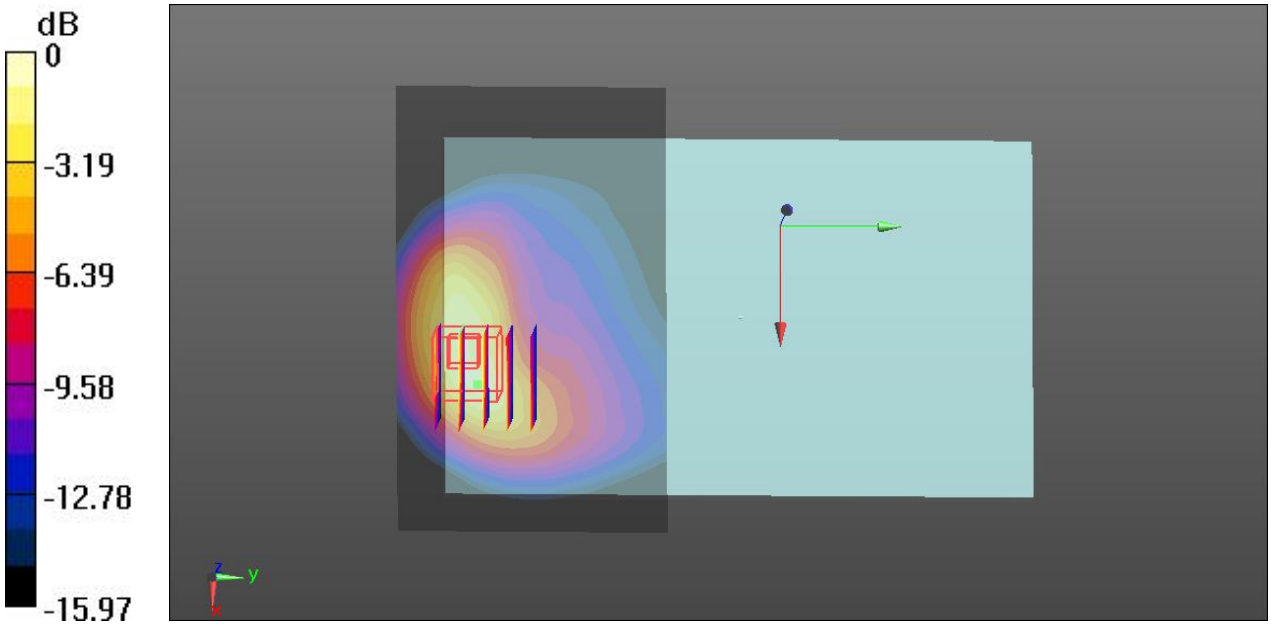
17 WCDMA Band V_RMC 12.2K_Bottom Face_0cm_Ch4132_Repeat SAR

Communication System: UID 0, UMTS; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 826.4 MHz; σ = 1.002 S/m; ε_r = 56.337; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch4132/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.289 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.090 W/kg; SAR(10 g) = 0.570 W/kg
Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg

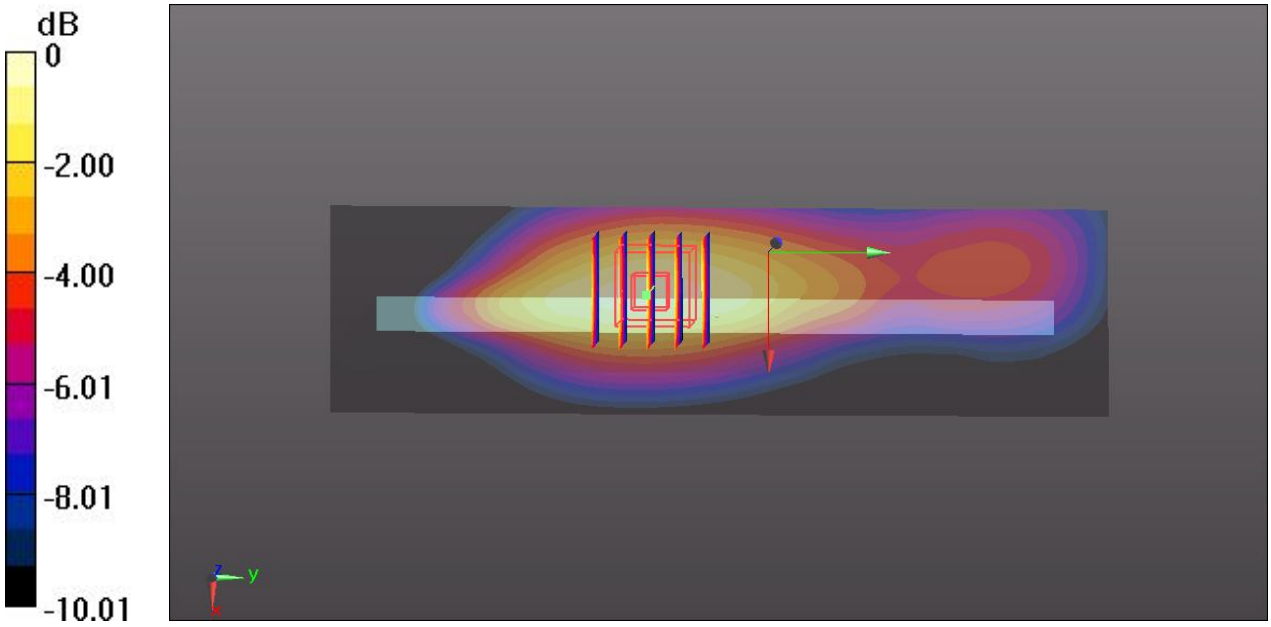
12 WCDMA Band V_RMC 12.2K_Edge 2_0cm_Ch4132

Communication System: UID 0, UMTS; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 826.4 MHz; σ = 1.002 S/m; ε_r = 56.337; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch4132/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.101 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.637 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.126 W/kg
SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.056 W/kg
Maximum value of SAR (measured) = 0.107 W/kg



0 dB = 0.107 W/kg

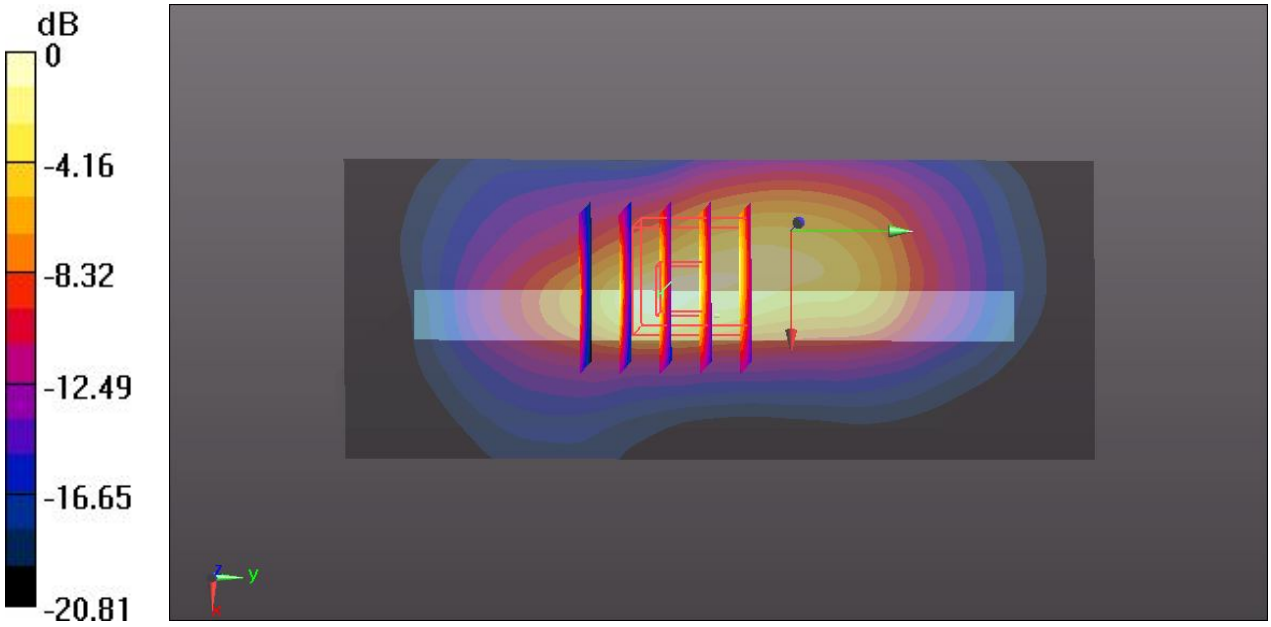
13 WCDMA Band V_RMC 12.2K_Edge 3_0cm_Ch4132

Communication System: UID 0, UMTS; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 826.4 MHz; σ = 1.002 S/m; ε_r = 56.337; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch4132/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.931 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.013 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.597 W/kg; SAR(10 g) = 0.295 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg

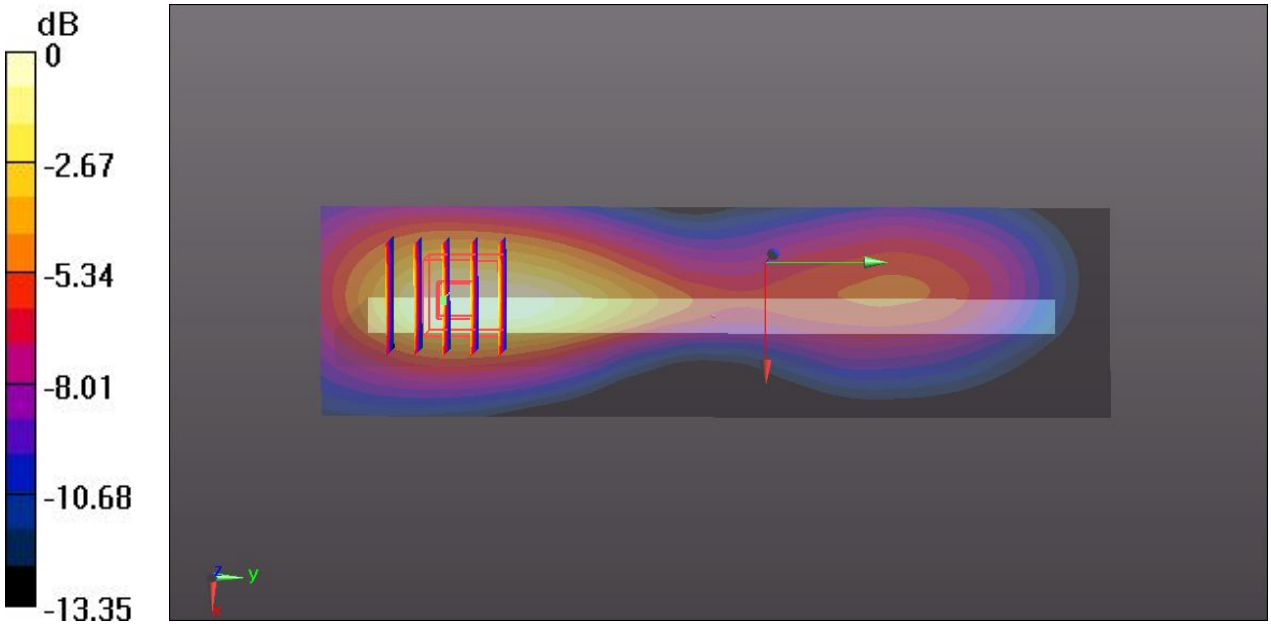
14 WCDMA Band V_RMC 12.2K_Edge 4_0cm_Ch4132

Communication System: UID 0, UMTS; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 826.4 MHz; σ = 1.002 S/m; ε_r = 56.337; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch4132/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.169 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.065 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.203 W/kg
SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.071 W/kg
Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg

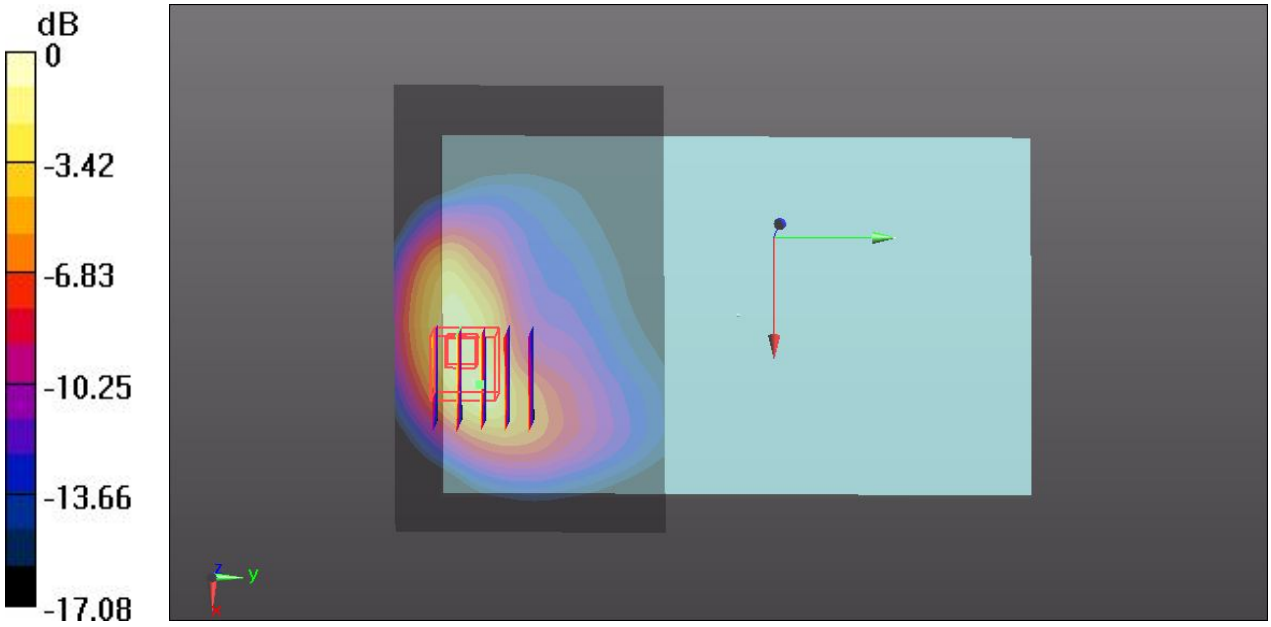
15 WCDMA Band V_RMC 12.2K_Bottom Face_0cm_Ch4182

Communication System: UID 0, UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 836.4 MHz; σ = 1.013 S/m; ε_r = 56.228; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch4182/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.972 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 0.907 W/kg; SAR(10 g) = 0.451 W/kg
Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg

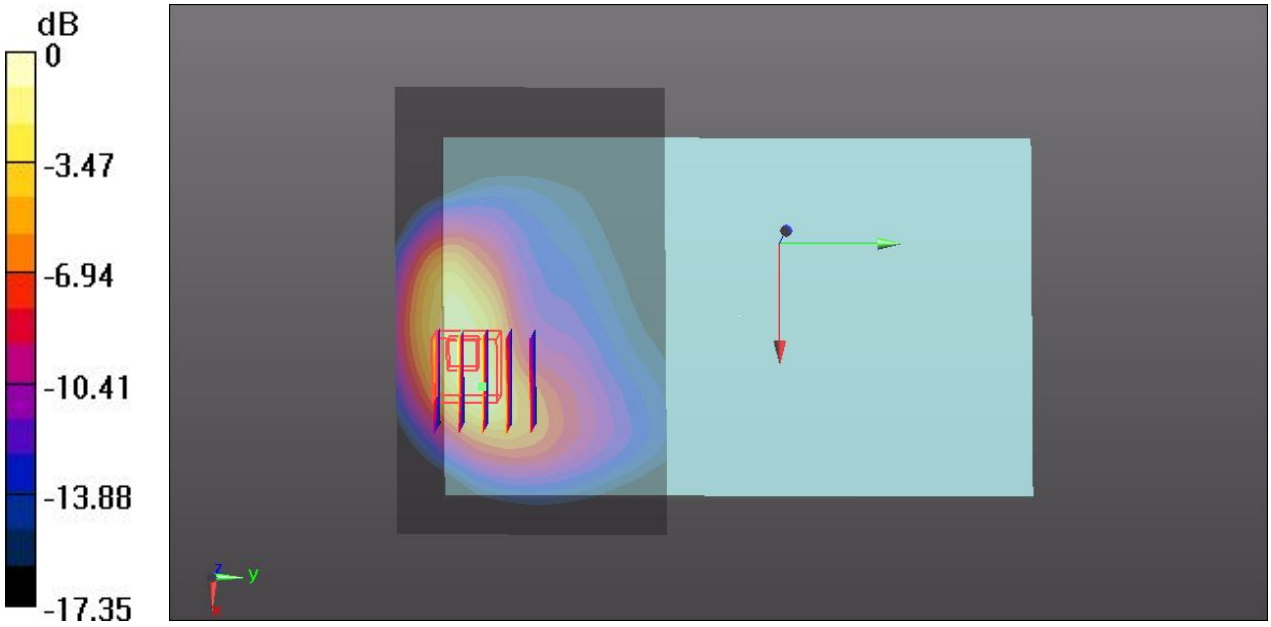
16 WCDMA Band V_RMC 12.2K_Bottom Face_0cm_Ch4233

Communication System: UID 0, UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 847 MHz; σ = 1.024 S/m; ε_r = 56.127; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch4233/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.837 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.724 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.731 W/kg; SAR(10 g) = 0.359 W/kg
Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg

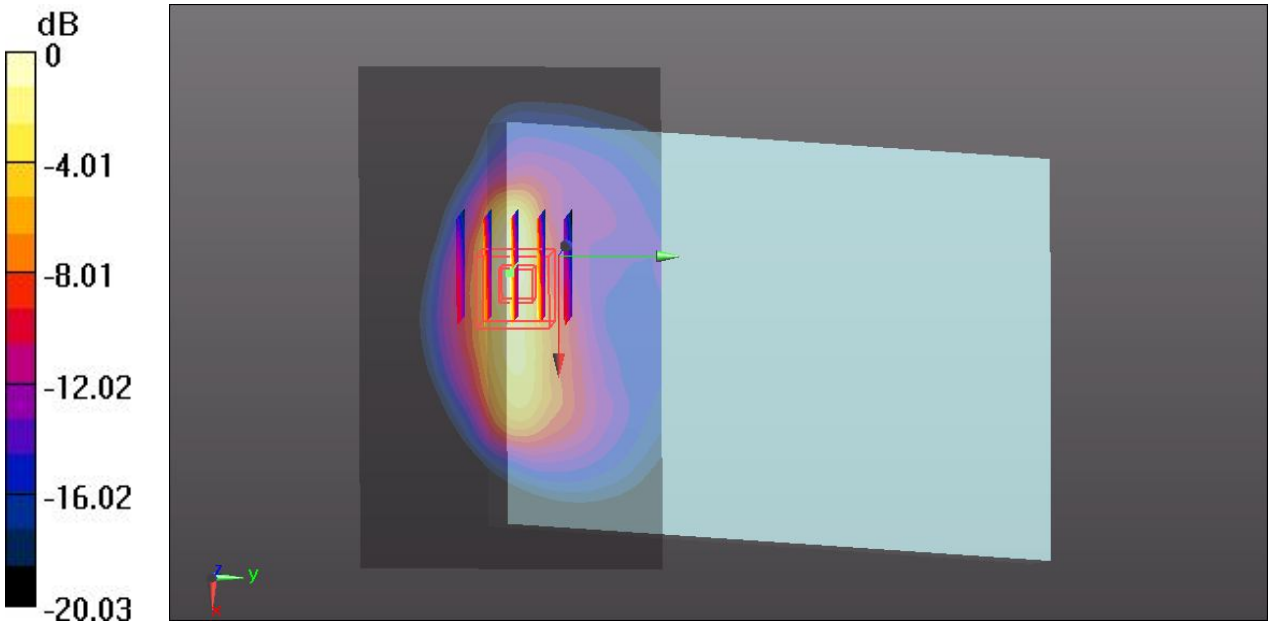
18 WCDMA Band V_RMC 12.2K_Curve Face 3 tilted 30 Degree_0cm_Ch4132

Communication System: UID 0, UMTS; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 826.4 MHz; σ = 1.002 S/m; ε_r = 56.337; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch4132/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.42 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.077 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.410 W/kg
Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg

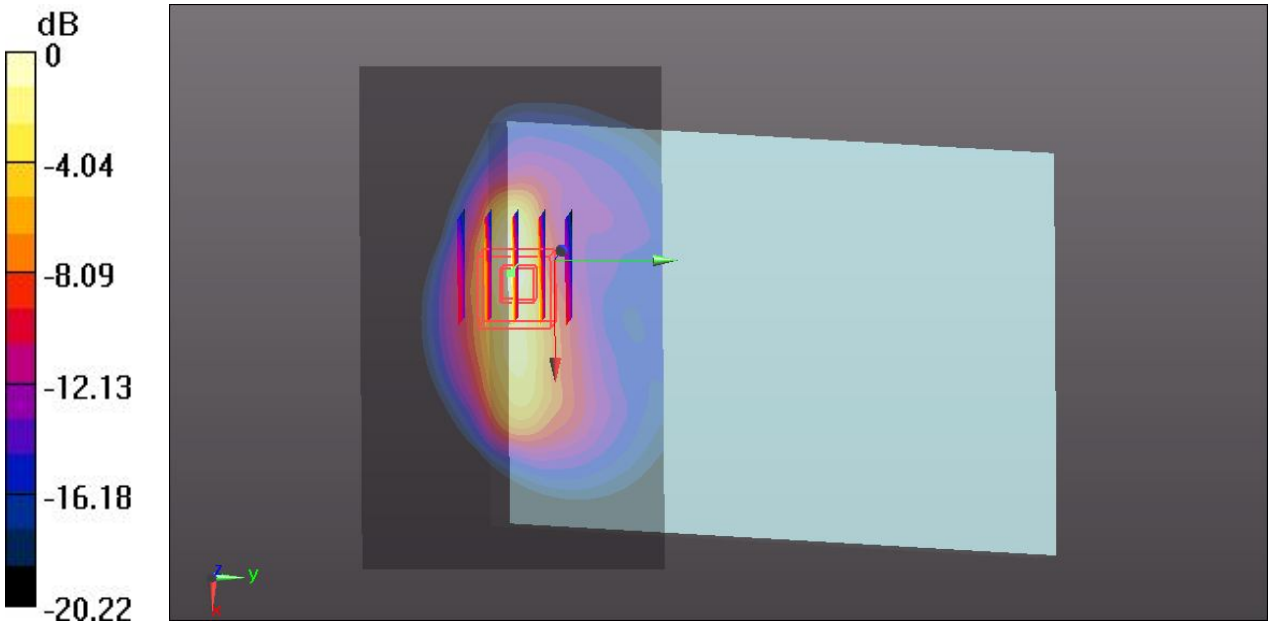
19 WCDMA Band V_RMC 12.2K_Curve Face 3 tilted 30 Degree_0cm_Ch4182

Communication System: UID 0, UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 836.4 MHz; σ = 1.013 S/m; ε_r = 56.228; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch4182/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.978 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.486 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.288 W/kg
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg

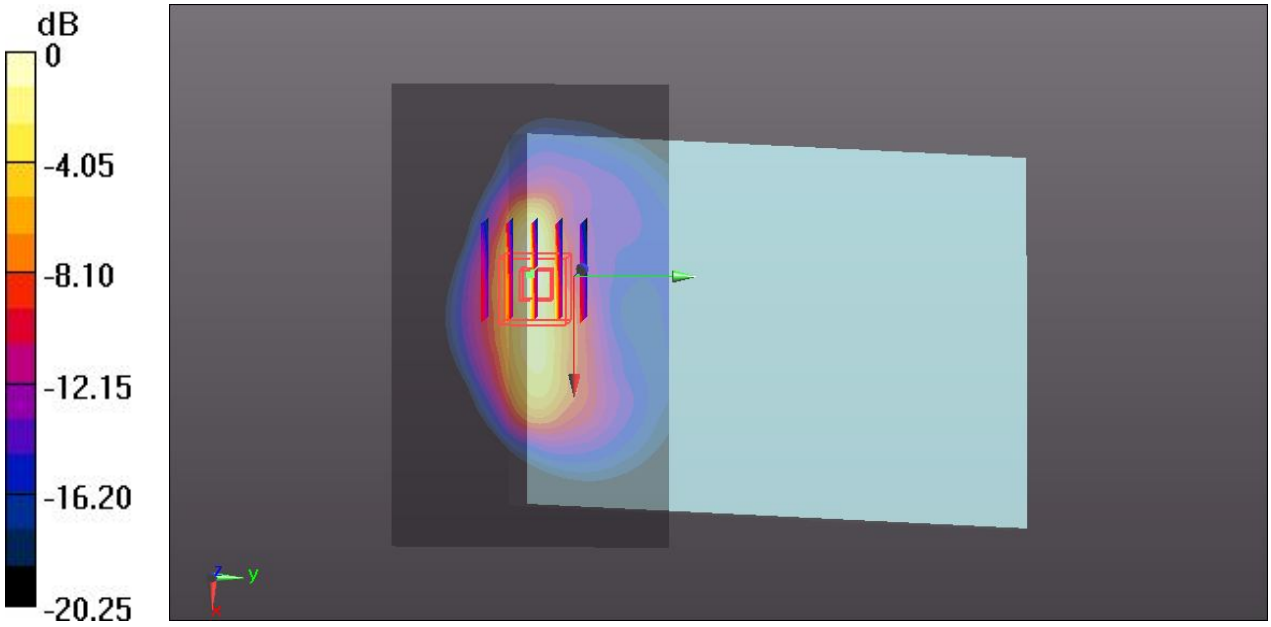
20 WCDMA Band V_RMC 12.2K_Curve Face 3 tilted 30 Degree_0cm_Ch4233

Communication System: UID 0, UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 847 MHz; σ = 1.024 S/m; ε_r = 56.127; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch4233/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.769 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.218 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.225 W/kg
Maximum value of SAR (measured) = 0.769 W/kg



0 dB = 0.769 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

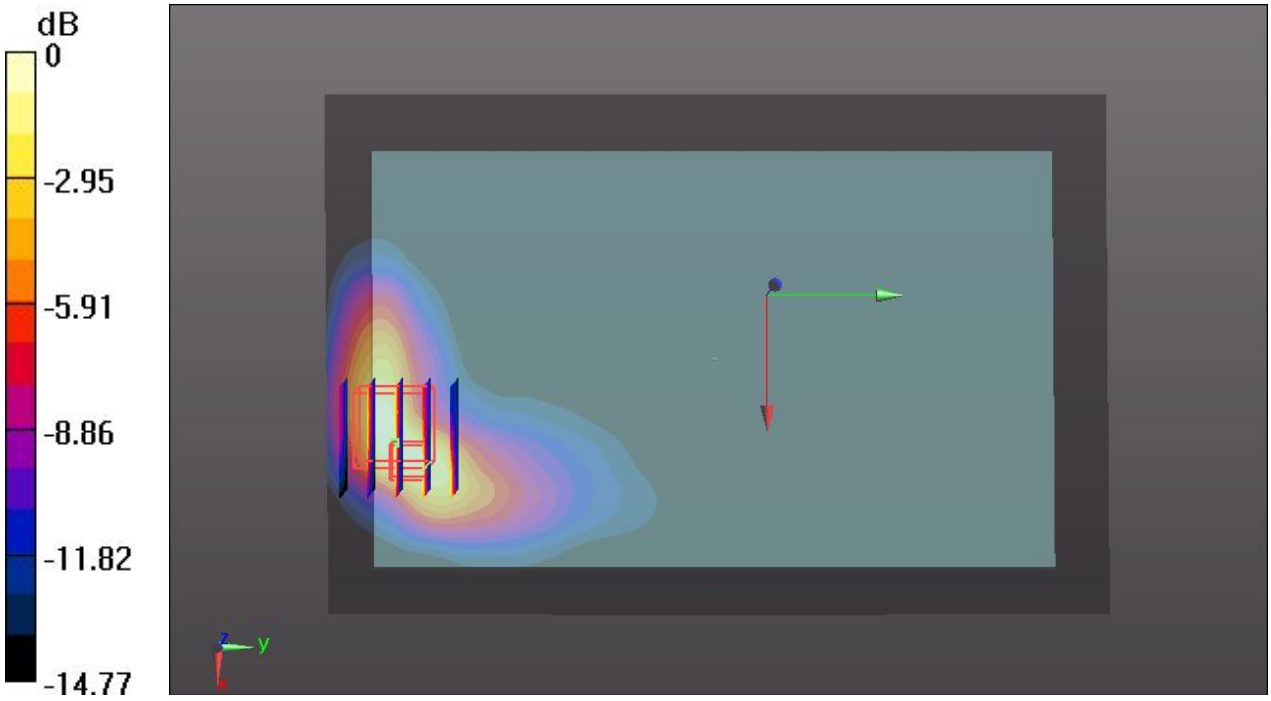
240 WCDMA Band IV_RMC 12.2K_Bottom Face_0cm_Ch1513

Communication System: UID 0, UMTS; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1753 MHz; σ = 1.517 S/m; ε_r = 53.568; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch1513/Area Scan (101x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.08 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.390 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.335 W/kg
Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

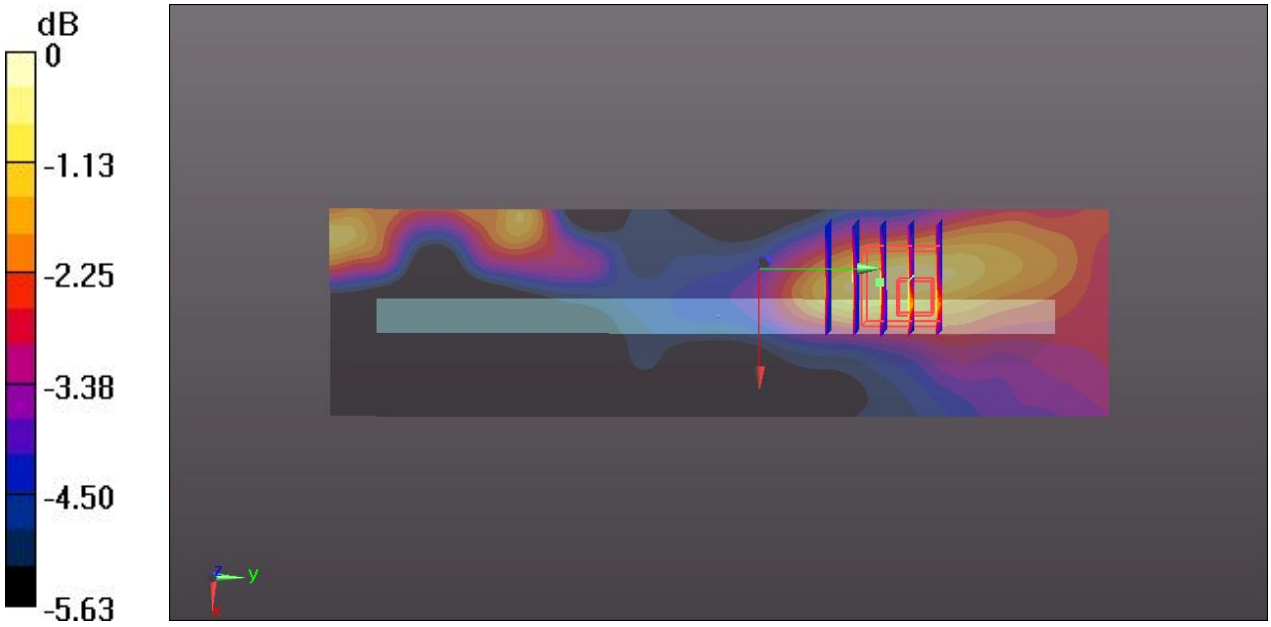
241 WCDMA Band IV_RMC 12.2K_Edge 2_0cm_Ch1513

Communication System: UID 0, UMTS; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1753 MHz; σ = 1.517 S/m; ε_r = 53.568; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch1513/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0208 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.841 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0300 W/kg
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0228 W/kg



0 dB = 0.0228 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

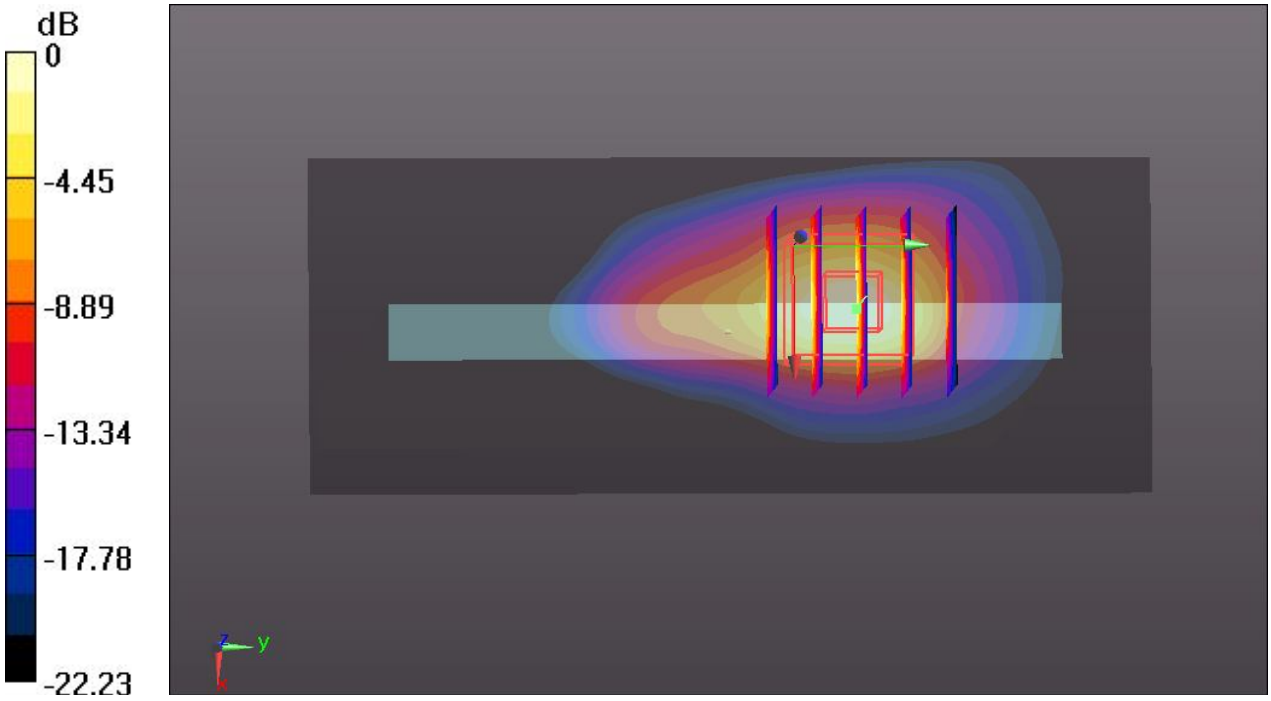
242 WCDMA Band IV_RMC 12.2K_Edge 3_0cm_Ch1513

Communication System: UID 0, UMTS; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1753 MHz; σ = 1.517 S/m; ε_r = 53.568; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch1513/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.49 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.148 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.10 W/kg
SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.410 W/kg
Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

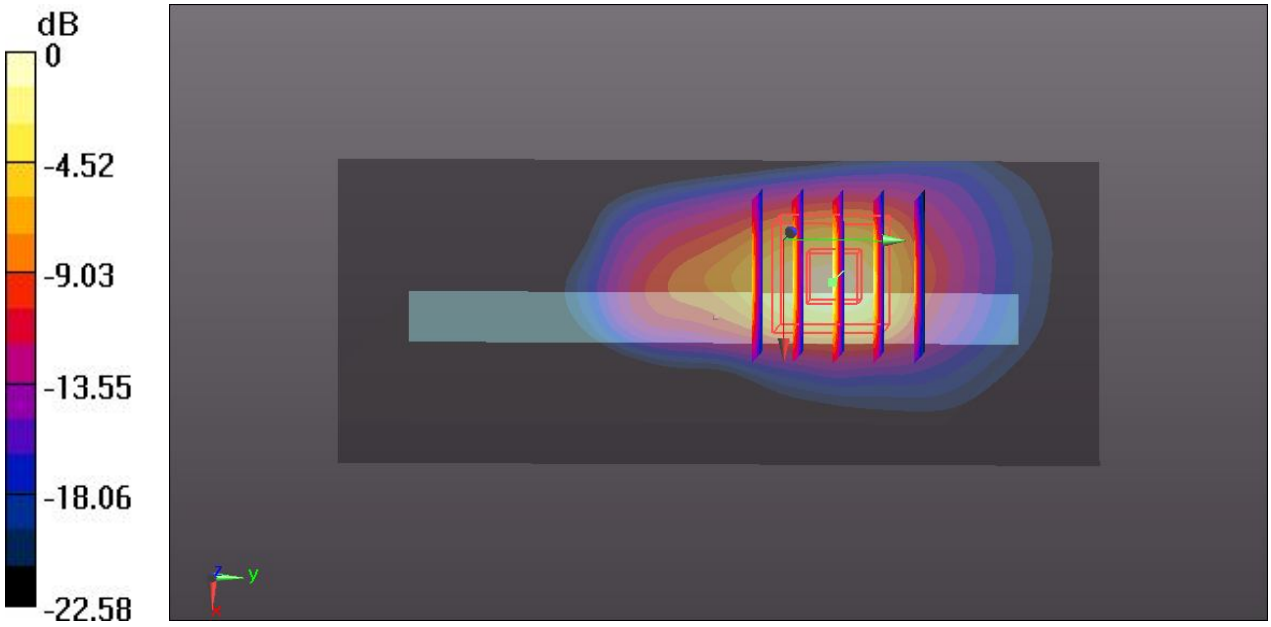
246 WCDMA Band IV_RMC 12.2K_Edge 3_0cm_Ch1513_Repeat

Communication System: UID 0, UMTS; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1753 MHz; σ = 1.517 S/m; ε_r = 53.568; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch1513/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.52 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.999 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.13 W/kg
SAR(1 g) = 0.964 W/kg; SAR(10 g) = 0.410 W/kg
Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

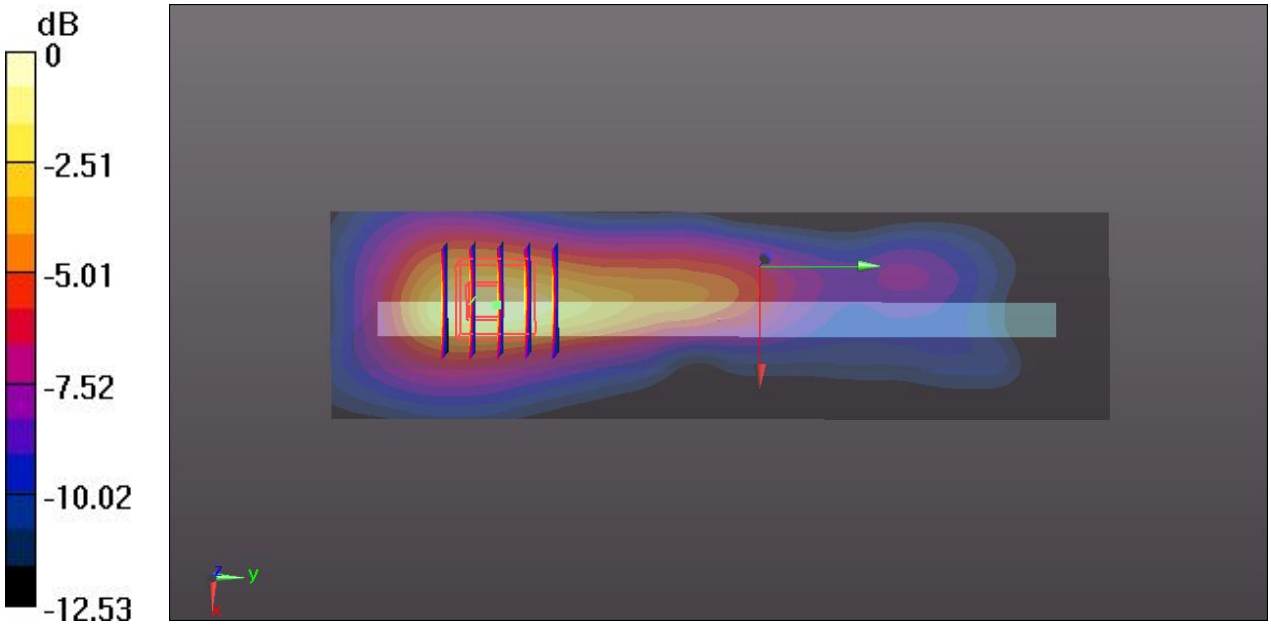
243 WCDMA Band IV_RMC 12.2K_Edge 4_0cm_Ch1513

Communication System: UID 0, UMTS; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1753 MHz; σ = 1.517 S/m; ε_r = 53.568; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch1513/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.133 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.090 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.199 W/kg
SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.064 W/kg
Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

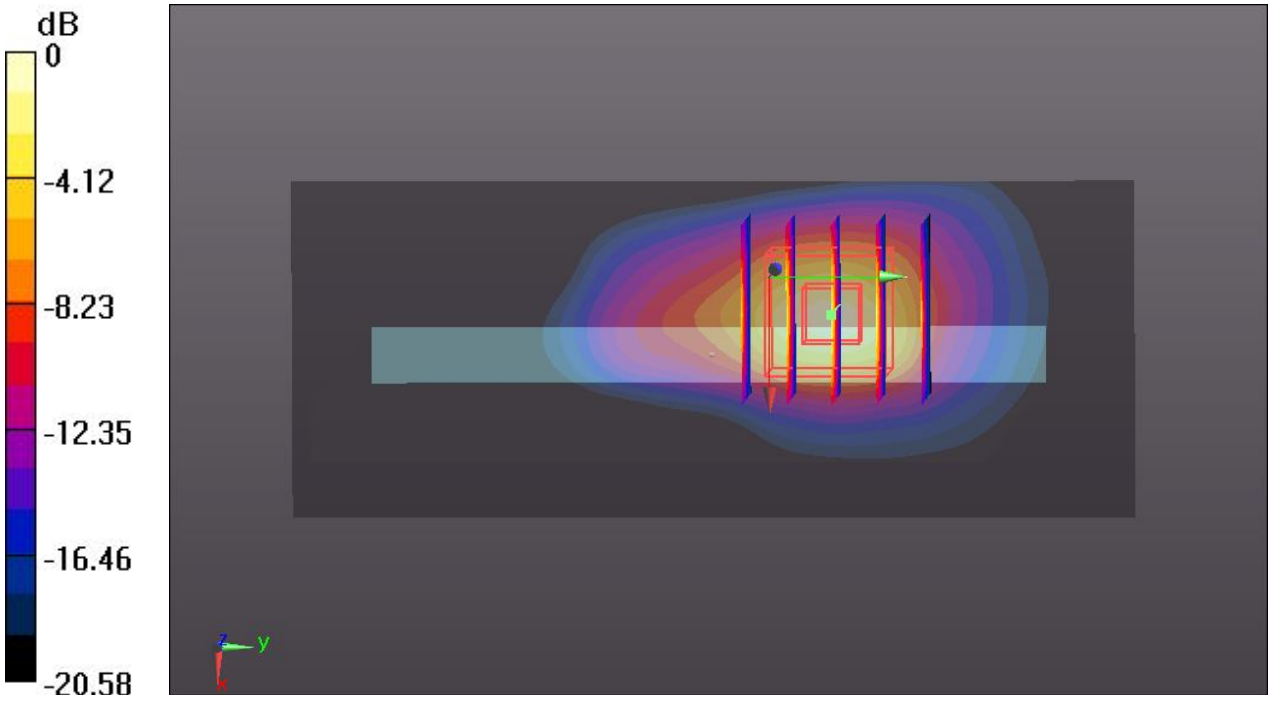
244 WCDMA Band IV_RMC 12.2K_Edge 3_0cm_Ch1312

Communication System: UID 0, UMTS; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1712.4 MHz; σ = 1.469 S/m; ε_r = 54.269; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch1312/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.37 W/kg

Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.056 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.938 W/kg; SAR(10 g) = 0.396 W/kg
Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.54 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

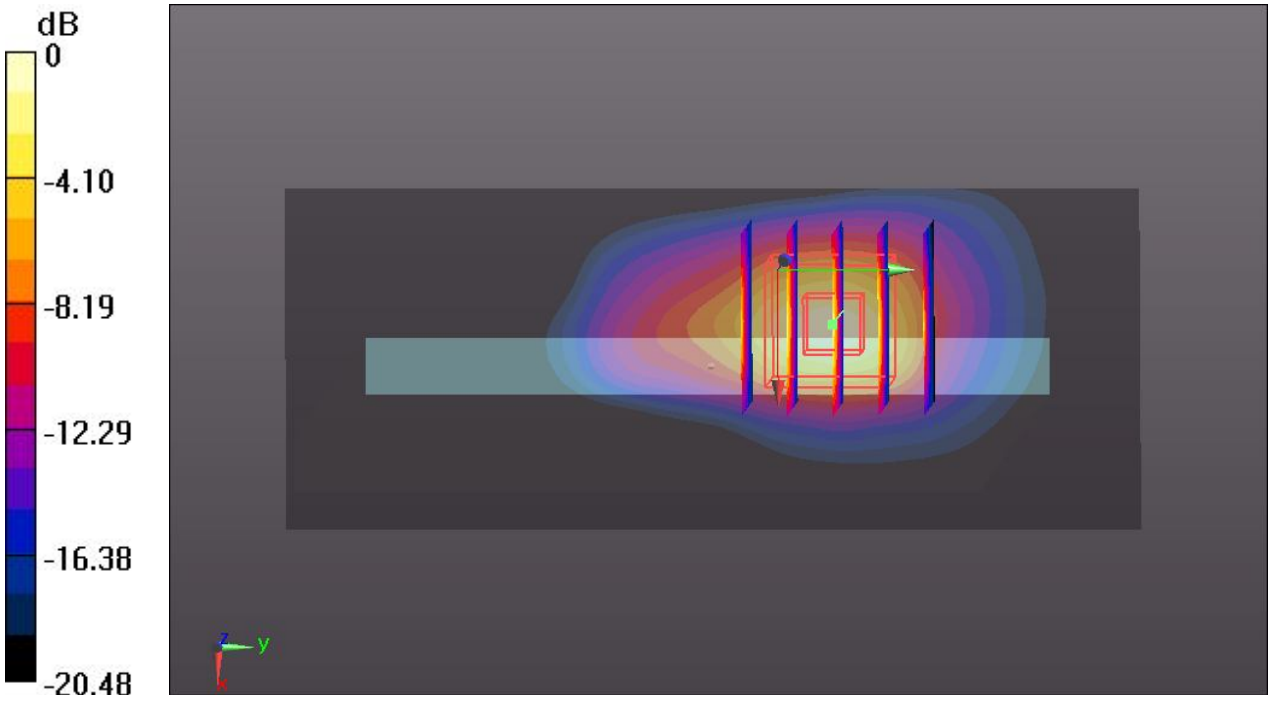
245 WCDMA Band IV_RMC 12.2K_Edge 3_0cm_Ch1413

Communication System: UID 0, UMTS; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1733 MHz; σ = 1.496 S/m; ε_r = 53.644; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch1413/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.755 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.316 W/kg
Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

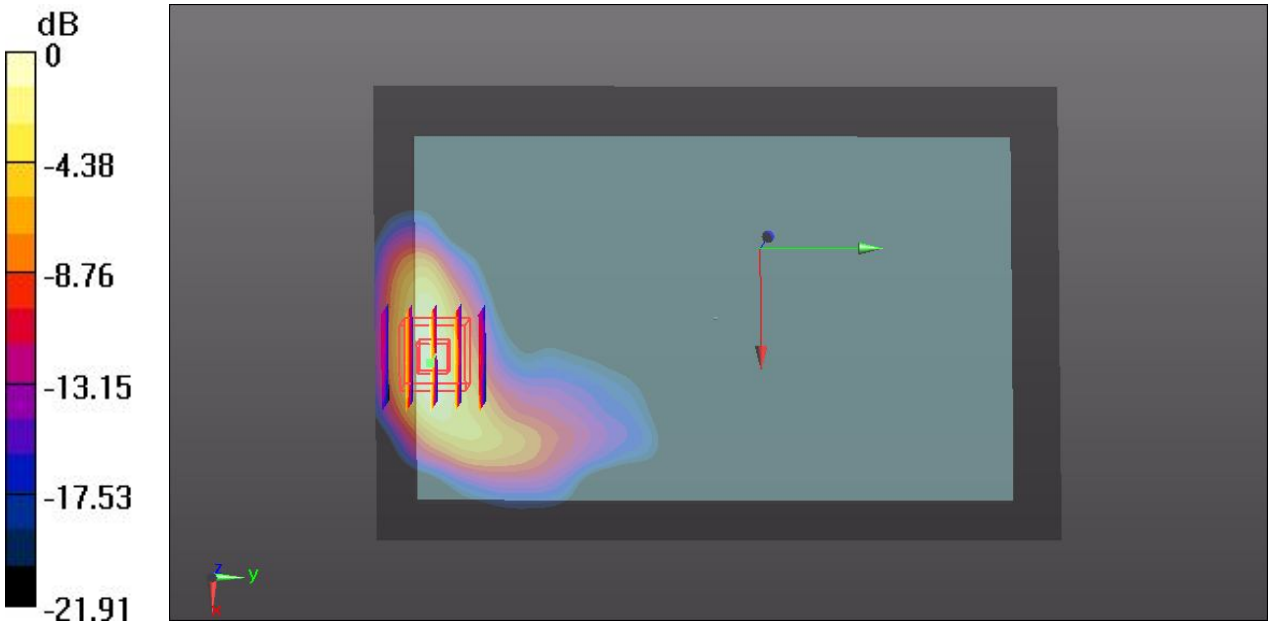
81 WCDMA Band II_RMC 12.2K_Bottom Face_0cm_Ch9400

Communication System: UID 0, UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch9400/Area Scan (101x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.982 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.316 W/kg
Maximum value of SAR (measured) = 0.979 W/kg



0 dB = 0.979 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

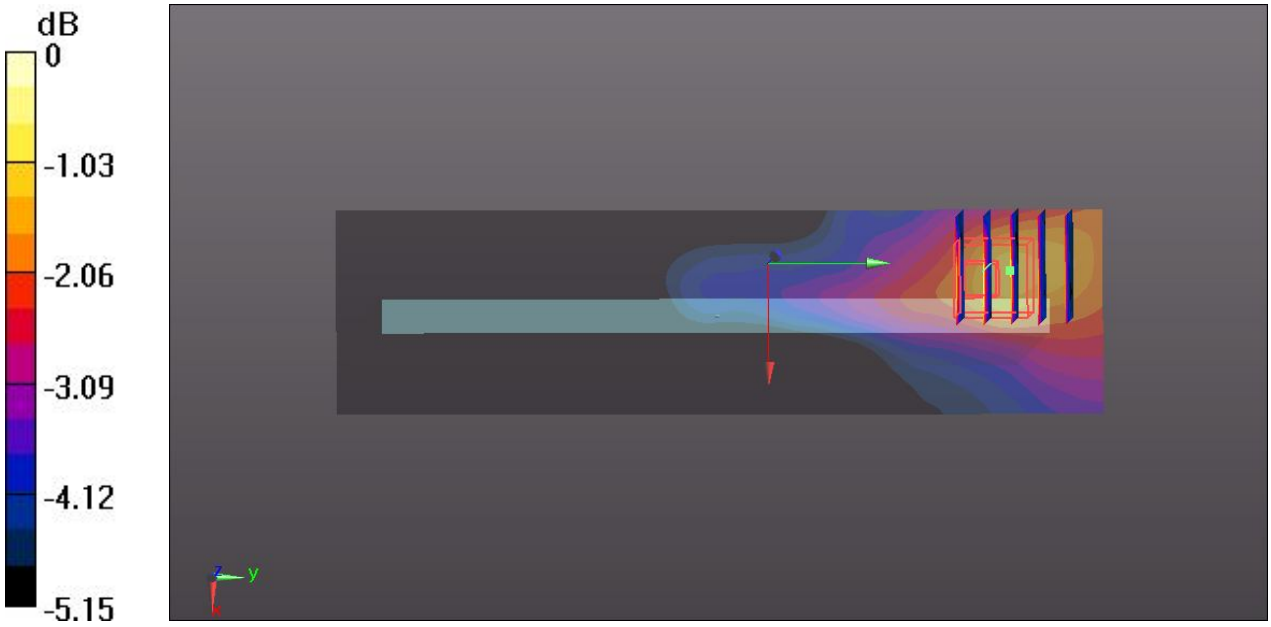
82 WCDMA Band II_RMC 12.2K_Edge 2_0cm_Ch9400

Communication System: UID 0, UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch9400/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0203 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.155 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.0300 W/kg
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0242 W/kg



0 dB = 0.0242 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

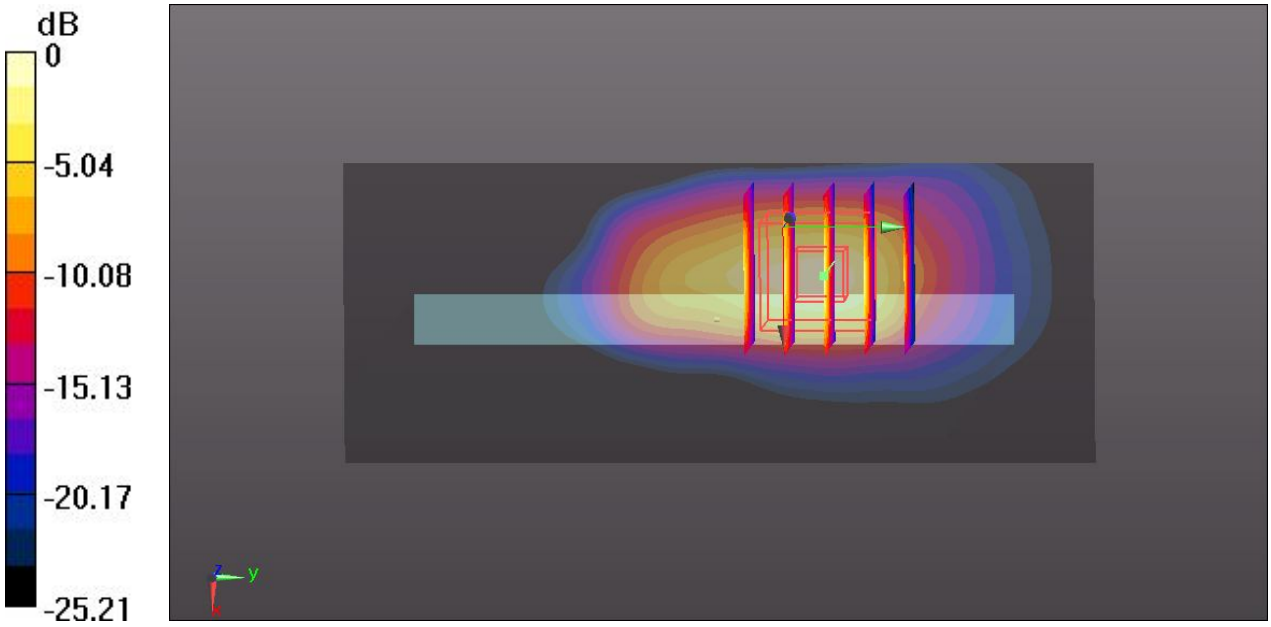
83 WCDMA Band II_RMC 12.2K_Edge 3_0cm_Ch9400

Communication System: UID 0, UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch9400/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.126 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.83 W/kg
SAR(1 g) = 0.825 W/kg; SAR(10 g) = 0.353 W/kg
Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

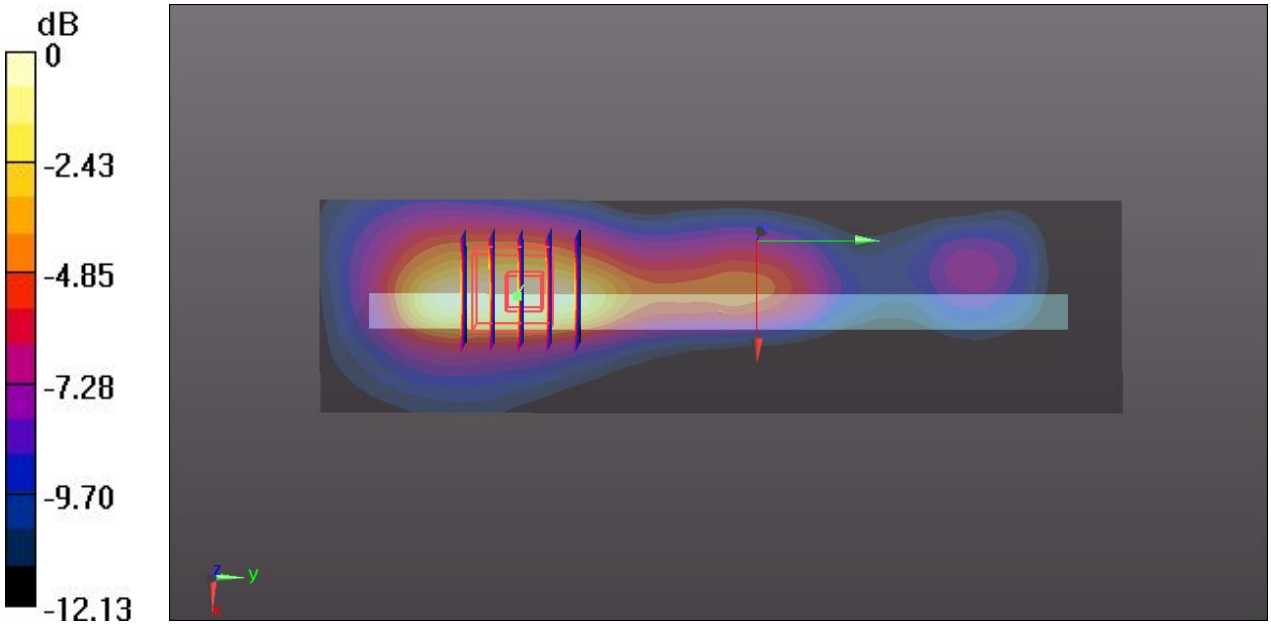
84 WCDMA Band II_RMC 12.2K_Edge 4_0cm_Ch9400

Communication System: UID 0, UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch9400/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.160 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.033 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.200 W/kg
SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.063 W/kg
Maximum value of SAR (measured) = 0.156 W/kg



0 dB = 0.156 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

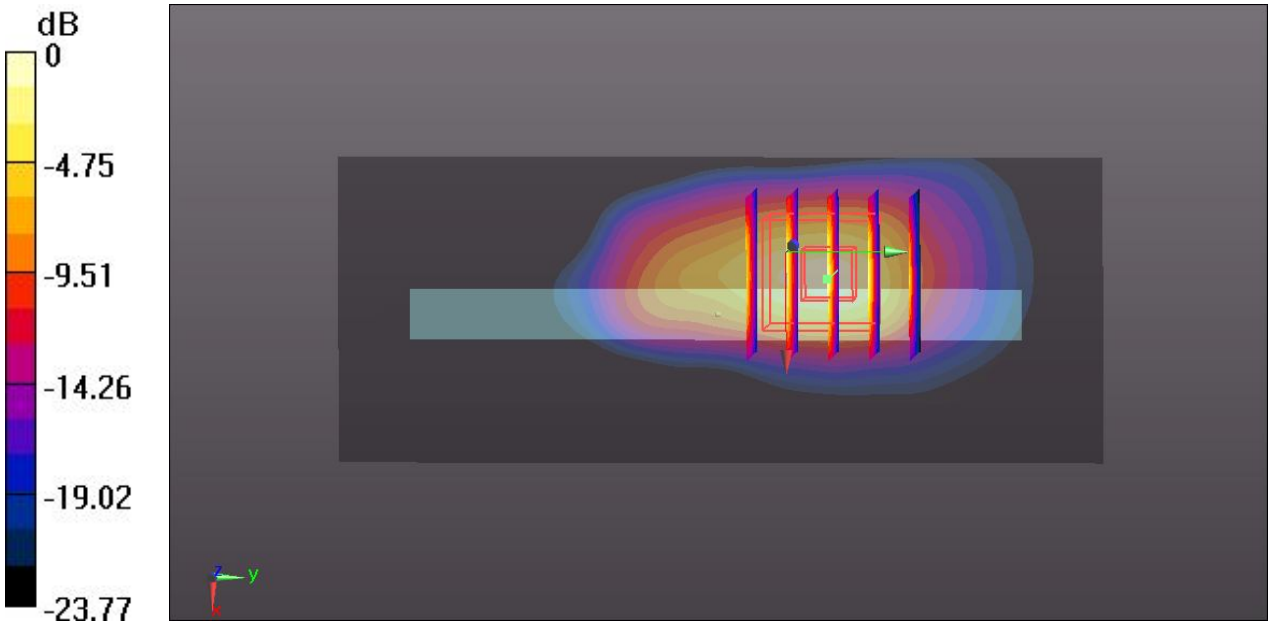
85 WCDMA Band II_RMC 12.2K_Edge 3_0cm_Ch9262

Communication System: UID 0, UMTS; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1852.4 MHz; σ = 1.471 S/m; ε_r = 54.836; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch9262/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.35 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.931 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 0.905 W/kg; SAR(10 g) = 0.382 W/kg
Maximum value of SAR (measured) = 1.50 W/kg



0 dB = 1.50 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

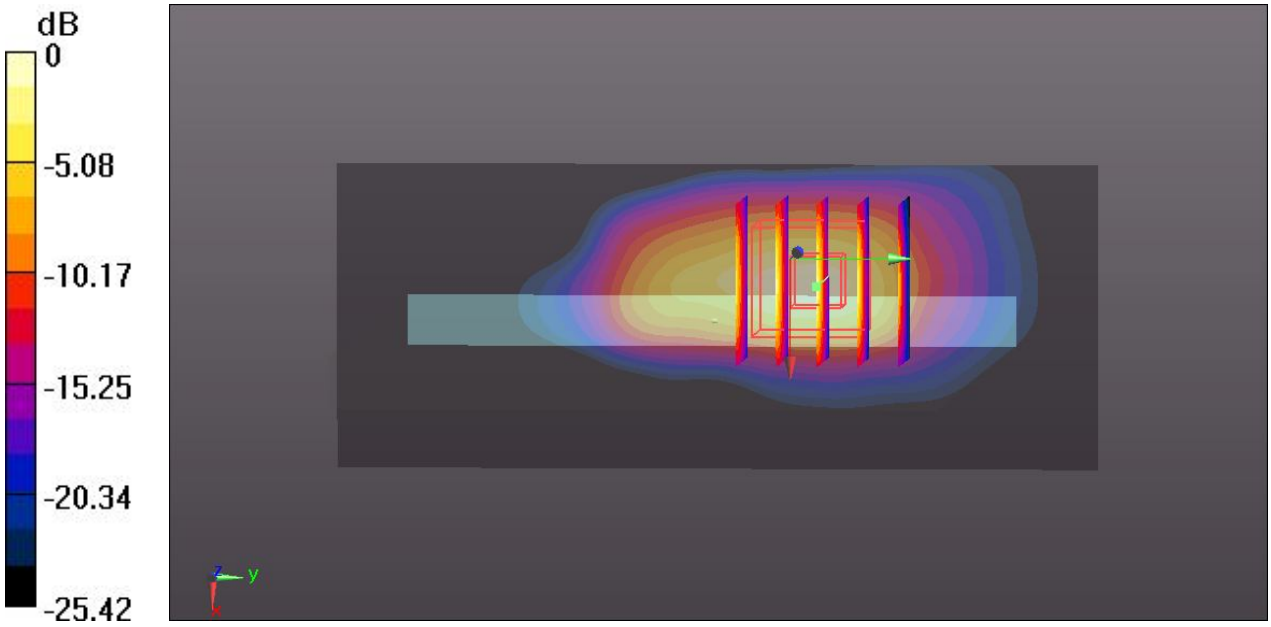
86 WCDMA Band II_RMC 12.2K_Edge 3_0cm_Ch9538

Communication System: UID 0, UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1908 MHz; σ = 1.542 S/m; ε_r = 54.591; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch9538/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.04 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.612 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.297 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

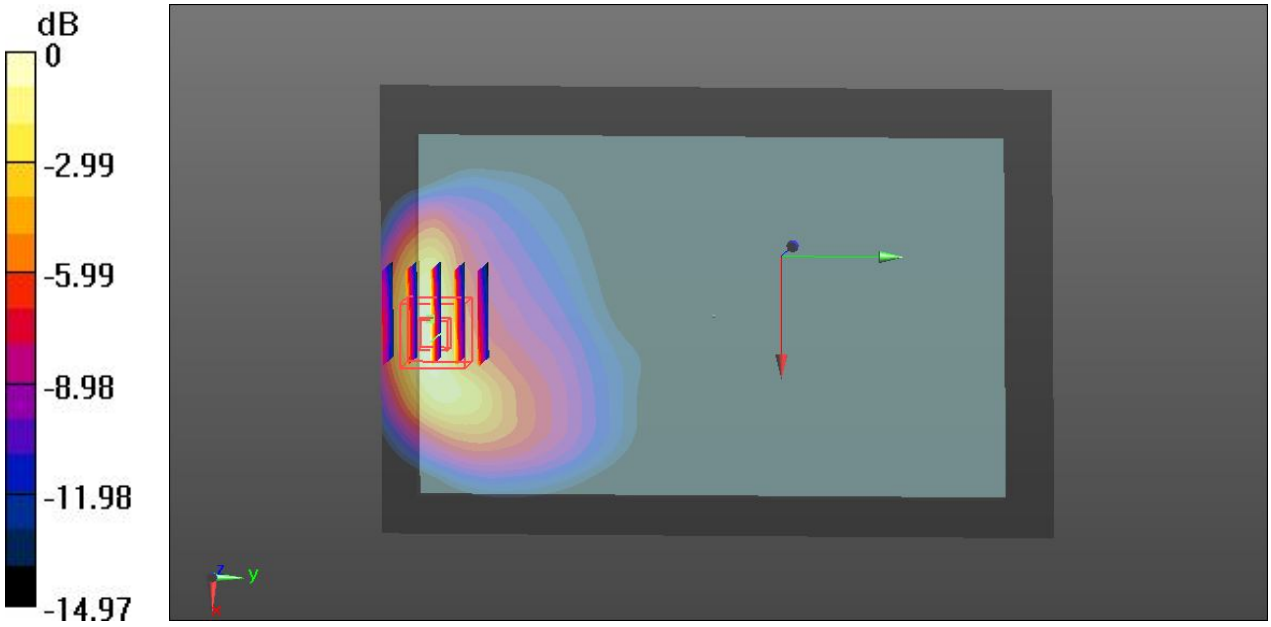
121 LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23780

Communication System: UID 0, LTE; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 709 MHz; σ = 0.932 S/m; ε_r = 54.855; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23780/Area Scan (101x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.32 W/kg

Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.240 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 0.969 W/kg; SAR(10 g) = 0.518 W/kg
Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

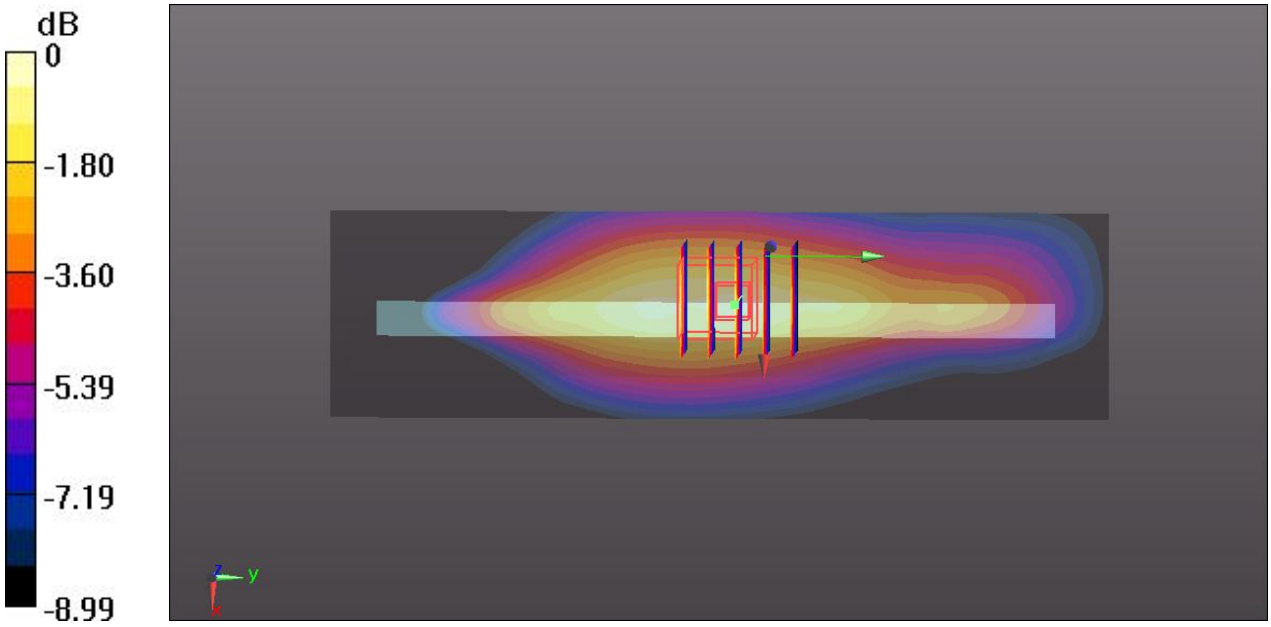
122 LTE Band 17_10M_QPSK 1RB 24offset_Edge 2_0cm_Ch23780

Communication System: UID 0, LTE; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 709 MHz; σ = 0.932 S/m; ε_r = 54.855; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23780/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0561 W/kg

Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.720 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.0720 W/kg
SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.031 W/kg
Maximum value of SAR (measured) = 0.0613 W/kg



0 dB = 0.0613 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

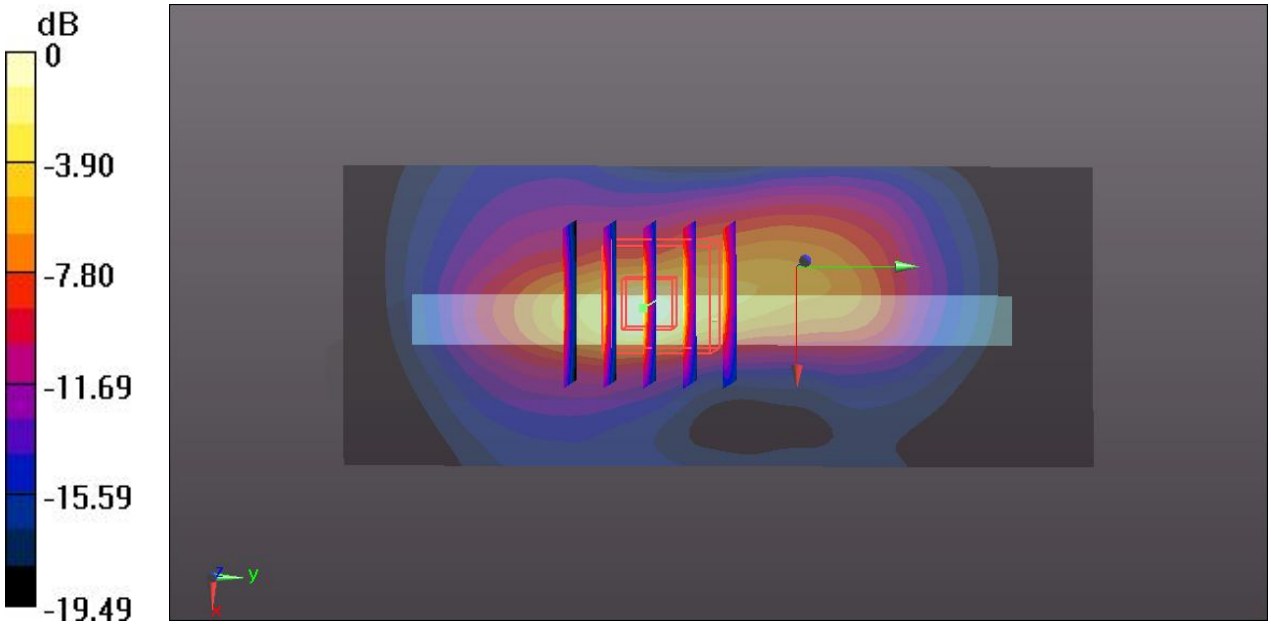
123 LTE Band 17_10M_QPSK 1RB 24offset_Edge 3_0cm_Ch23780

Communication System: UID 0, LTE; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 709 MHz; σ = 0.932 S/m; ε_r = 54.855; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23780/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 W/kg

Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.127 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.241 W/kg
Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

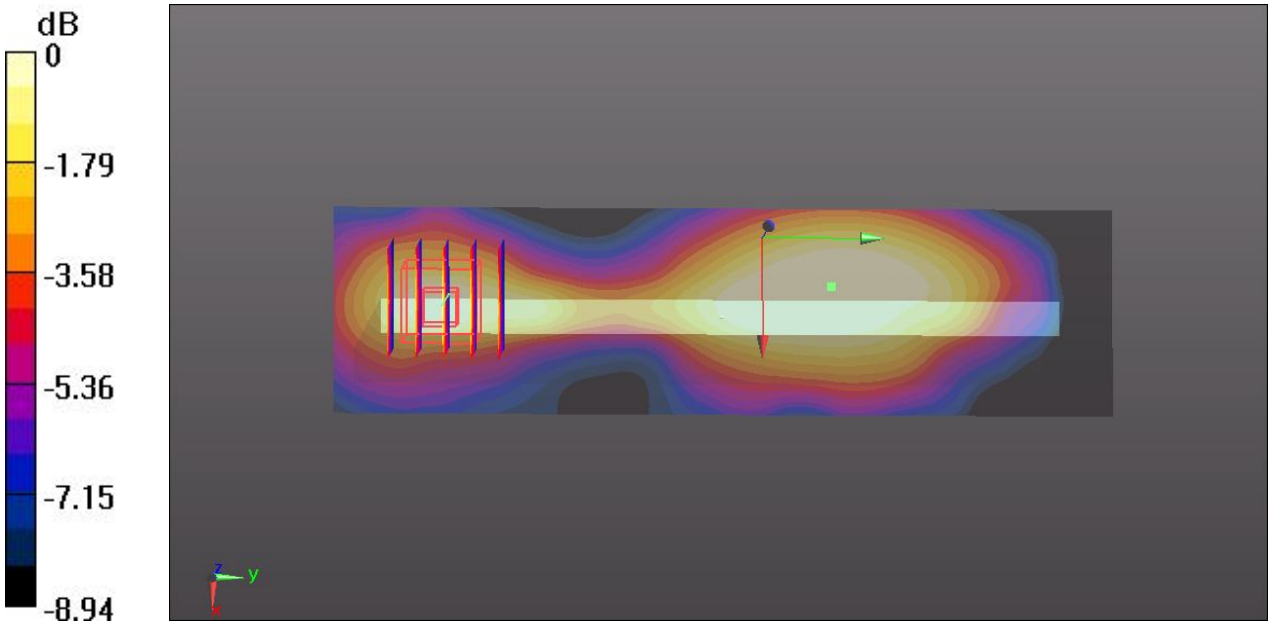
124 LTE Band 17_10M_QPSK 1RB 24offset_Edge 4_0cm_Ch23780

Communication System: UID 0, LTE; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 709 MHz; σ = 0.932 S/m; ε_r = 54.855; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23780/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0150 W/kg

Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.597 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.0160 W/kg
SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00683 W/kg
Maximum value of SAR (measured) = 0.0133 W/kg



0 dB = 0.0133 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

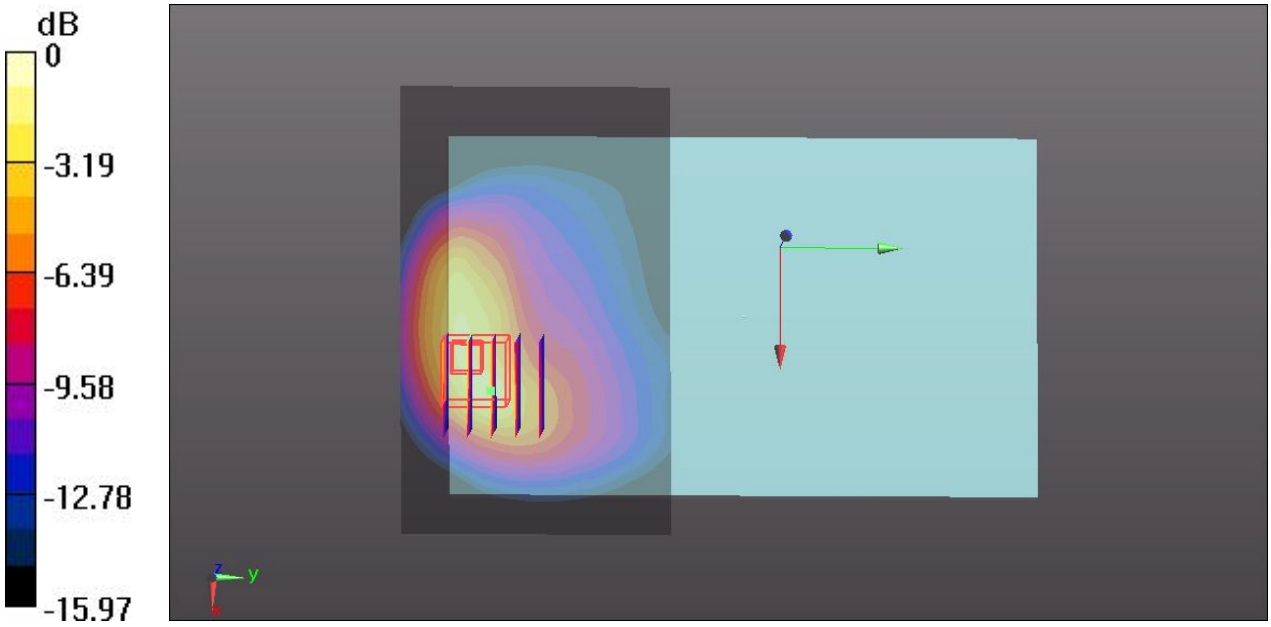
125 LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23790

Communication System: UID 0, LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 710 MHz; σ = 0.933 S/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23790/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.16 W/kg

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.775 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.00 W/kg
SAR(1 g) = 0.955 W/kg; SAR(10 g) = 0.490 W/kg
Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.53 W/kg

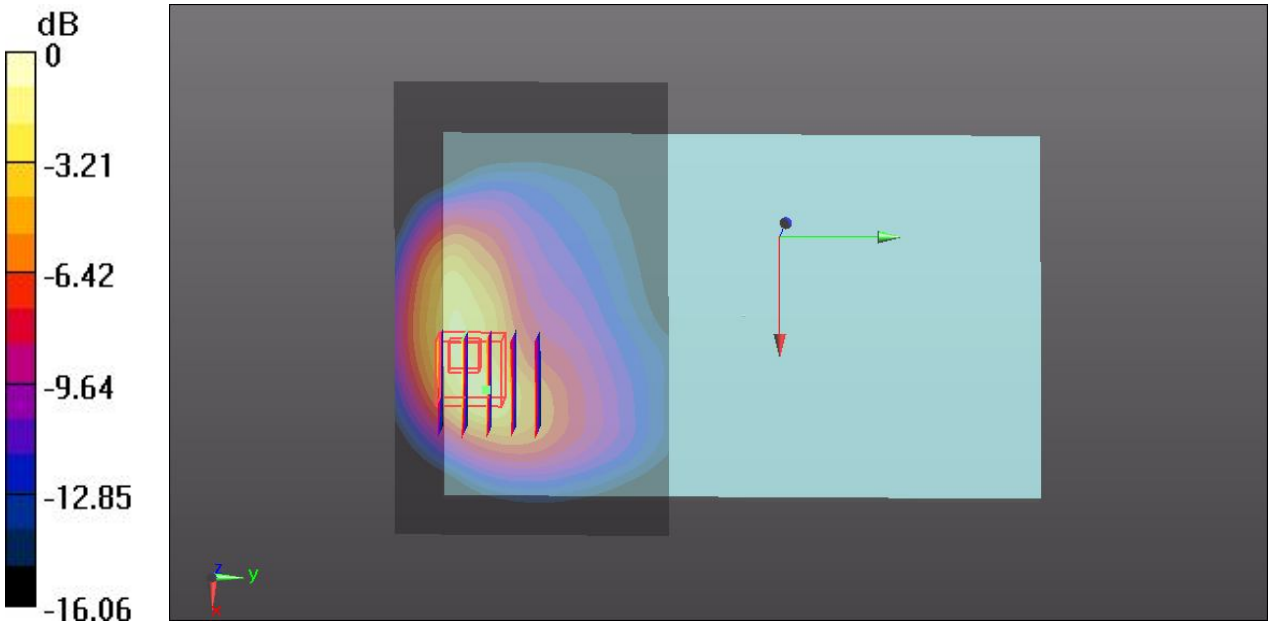
126 LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23800

Communication System: UID 0, LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 711 MHz; σ = 0.934 S/m; ε_r = 54.838; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23800/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.792 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.502 W/kg
Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

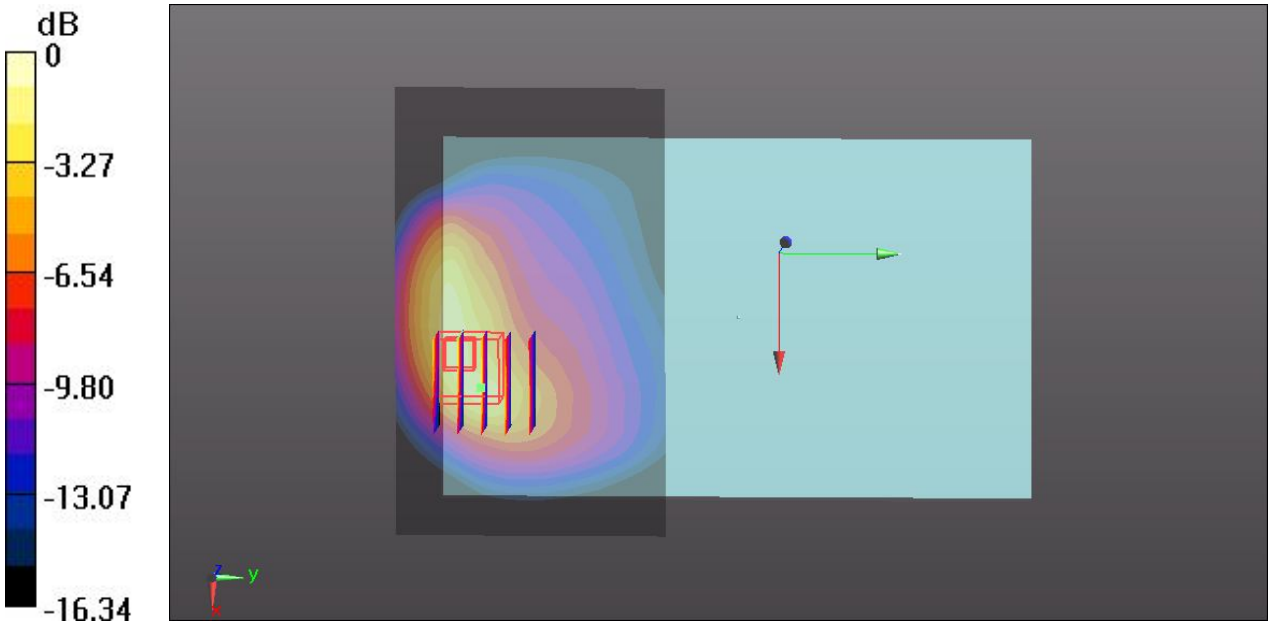
127 LTE Band 17_10M_QPSK 1RB 24offset_Bottom Face_0cm_Ch23800_Repeat SAR

Communication System: UID 0, LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 711 MHz; σ = 0.934 S/m; ε_r = 54.838; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23800/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.02 W/kg

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.493 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 0.923 W/kg; SAR(10 g) = 0.472 W/kg
Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg

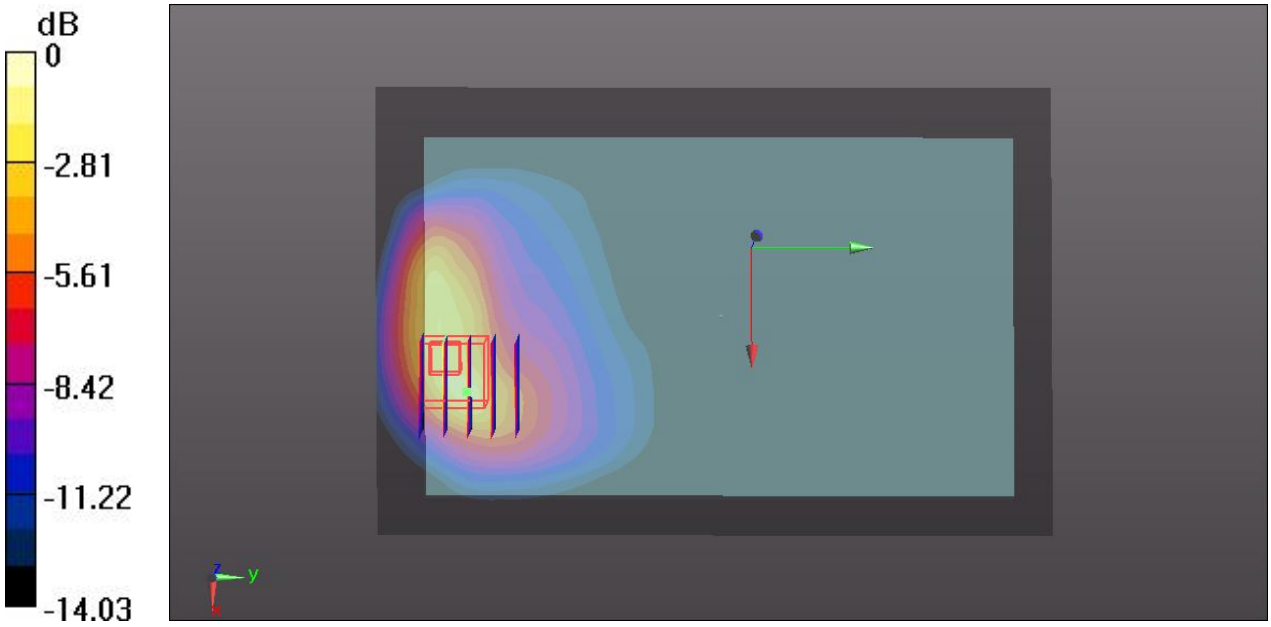
131 LTE Band 17_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23790

Communication System: UID 0, LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 710 MHz; σ = 0.933 S/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23790/Area Scan (101x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.884 W/kg

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.356 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.735 W/kg; SAR(10 g) = 0.380 W/kg
Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg

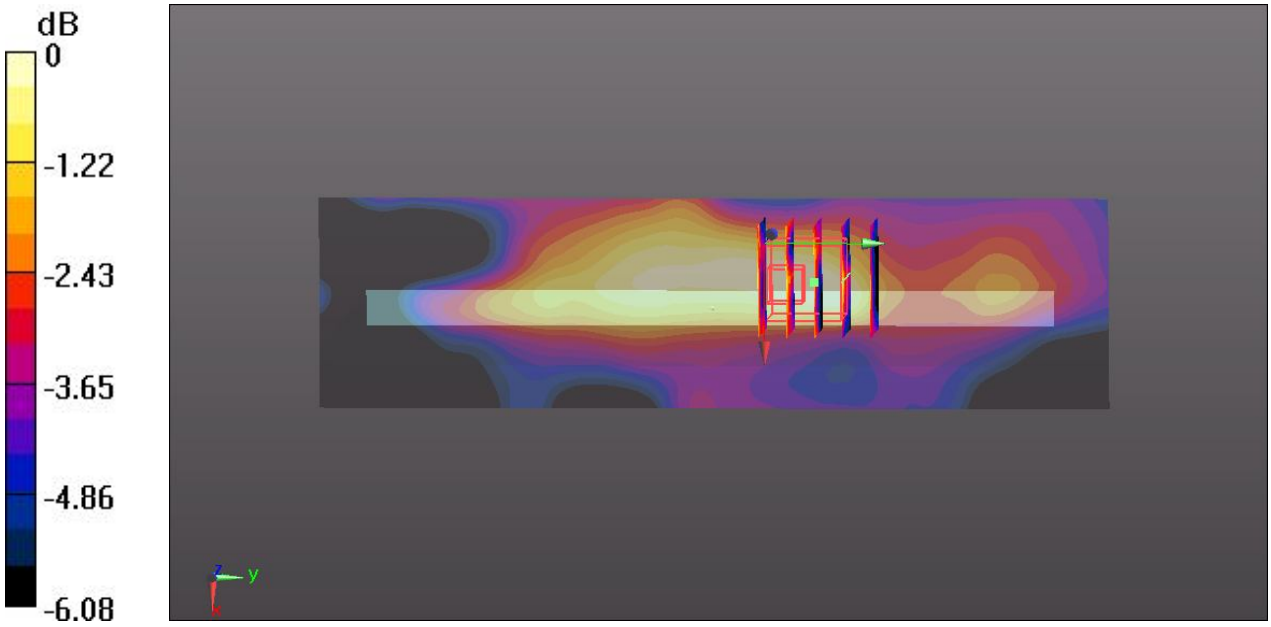
132 LTE Band 17_10M_QPSK 25RB 0offset_Edge 2_0cm_Ch23790

Communication System: UID 0, LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 710 MHz; σ = 0.933 S/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23790/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0328 W/kg

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.327 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.0390 W/kg
SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.018 W/kg
Maximum value of SAR (measured) = 0.0317 W/kg



0 dB = 0.0317 W/kg

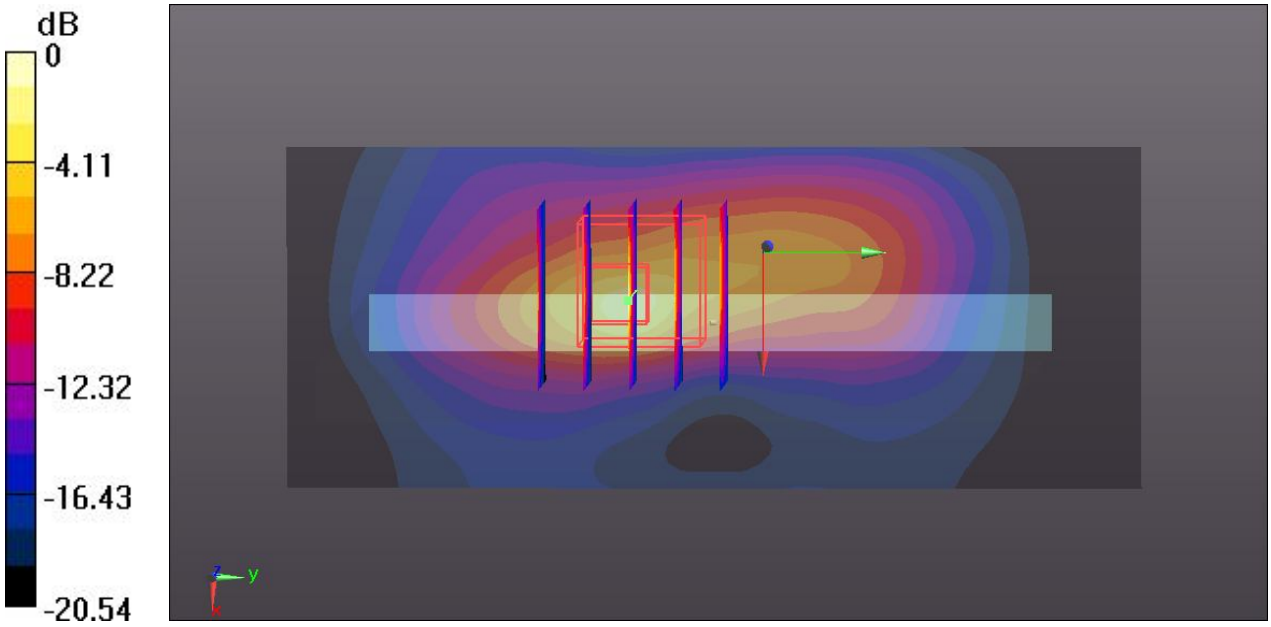
133 LTE Band 17_10M_QPSK 25RB 0offset_Edge 3_0cm_Ch23790

Communication System: UID 0, LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 710 MHz; σ = 0.933 S/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23790/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.703 W/kg

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.508 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 0.545 W/kg; SAR(10 g) = 0.214 W/kg
Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg

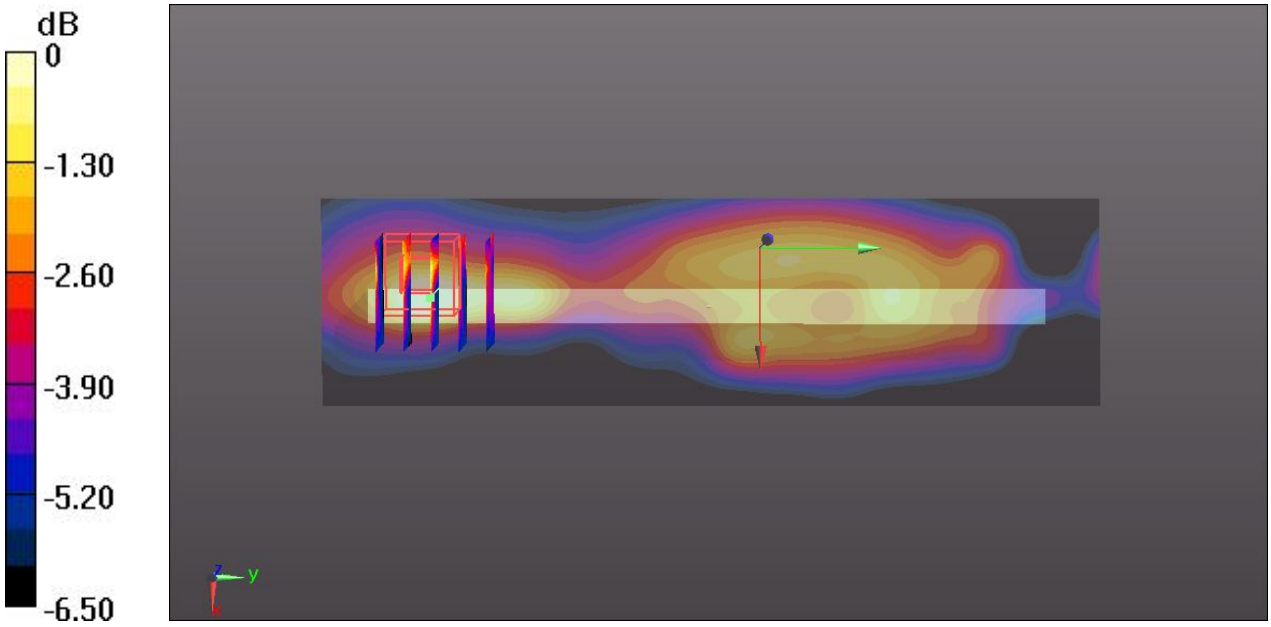
134 LTE Band 17_10M_QPSK 25RB 0offset_Edge 4_0cm_Ch23790

Communication System: UID 0, LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 710 MHz; σ = 0.933 S/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23790/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0211 W/kg

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.543 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.0270 W/kg
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.010 W/kg
Maximum value of SAR (measured) = 0.0184 W/kg



0 dB = 0.0184 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

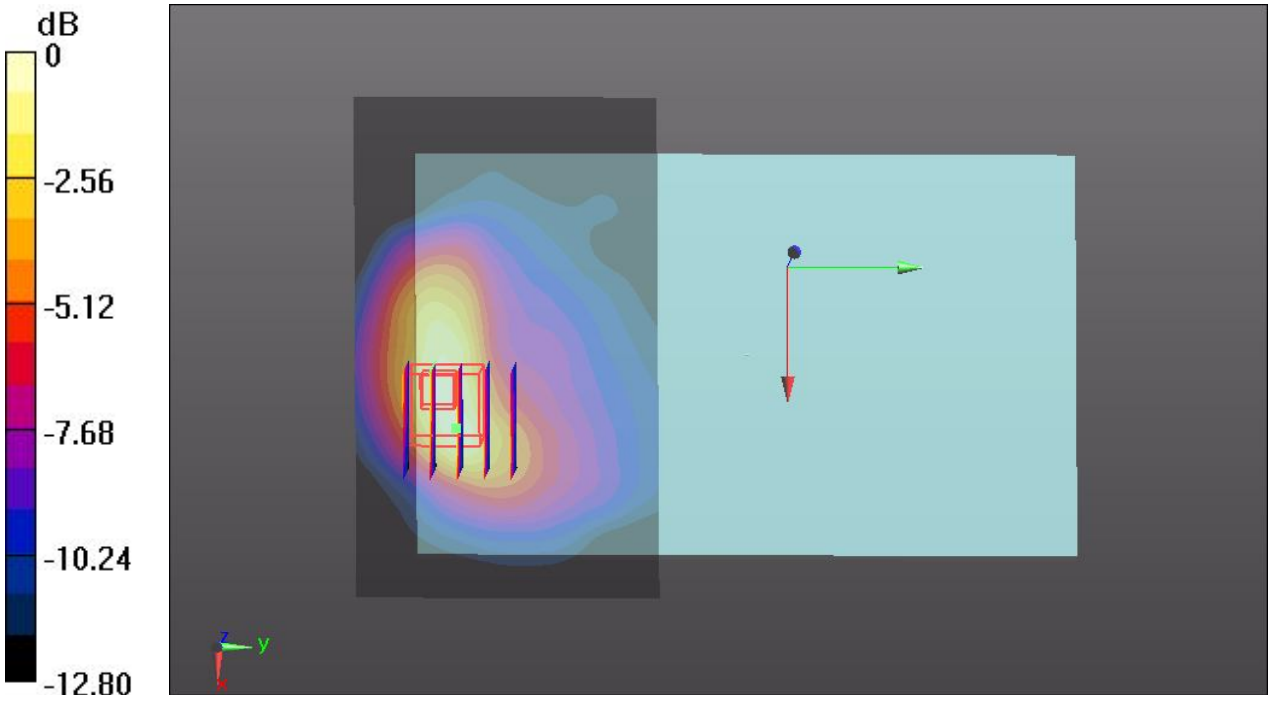
135 LTE Band 17_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23780

Communication System: UID 0, LTE (0); Frequency: 709 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 709 MHz; σ = 0.932 S/m; ε_r = 54.855; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23780/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.918 W/kg

Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.217 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.377 W/kg
Maximum value of SAR (measured) = 0.971 W/kg



0 dB = 0.971 W/kg

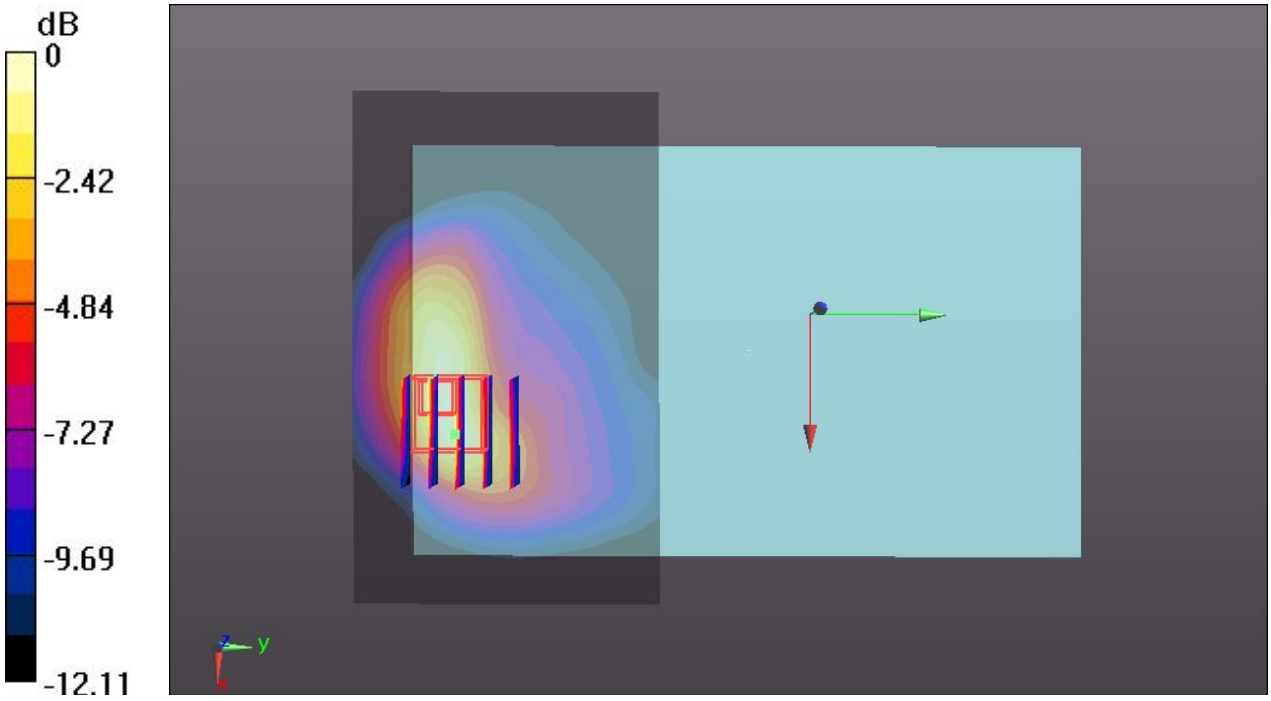
136 LTE Band 17_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch23800

Communication System: UID 0, LTE (0); Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 711 MHz; σ = 0.934 S/m; ε_r = 54.838; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23800/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.896 W/kg

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.356 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.676 W/kg; SAR(10 g) = 0.371 W/kg
Maximum value of SAR (measured) = 0.948 W/kg



0 dB = 0.948 W/kg

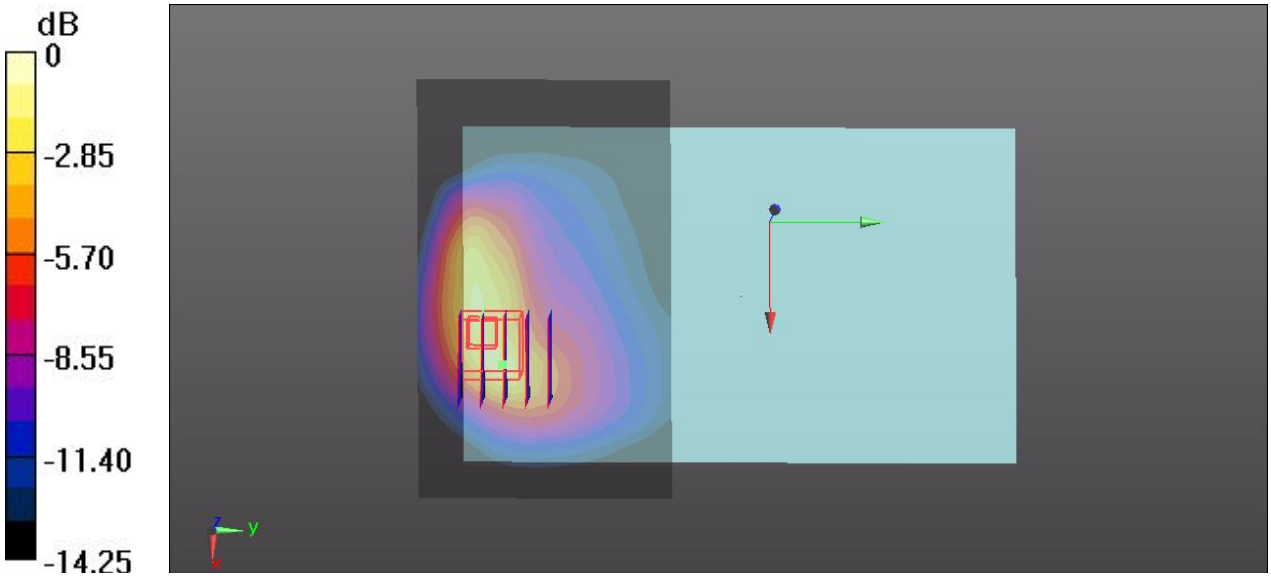
141 LTE Band 17_10M_QPSK 50RB 0offset_Bottom Face_0cm_Ch23790

Communication System: UID 0, LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 710 MHz; σ = 0.933 S/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23790/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.944 W/kg

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.616 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.401 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg

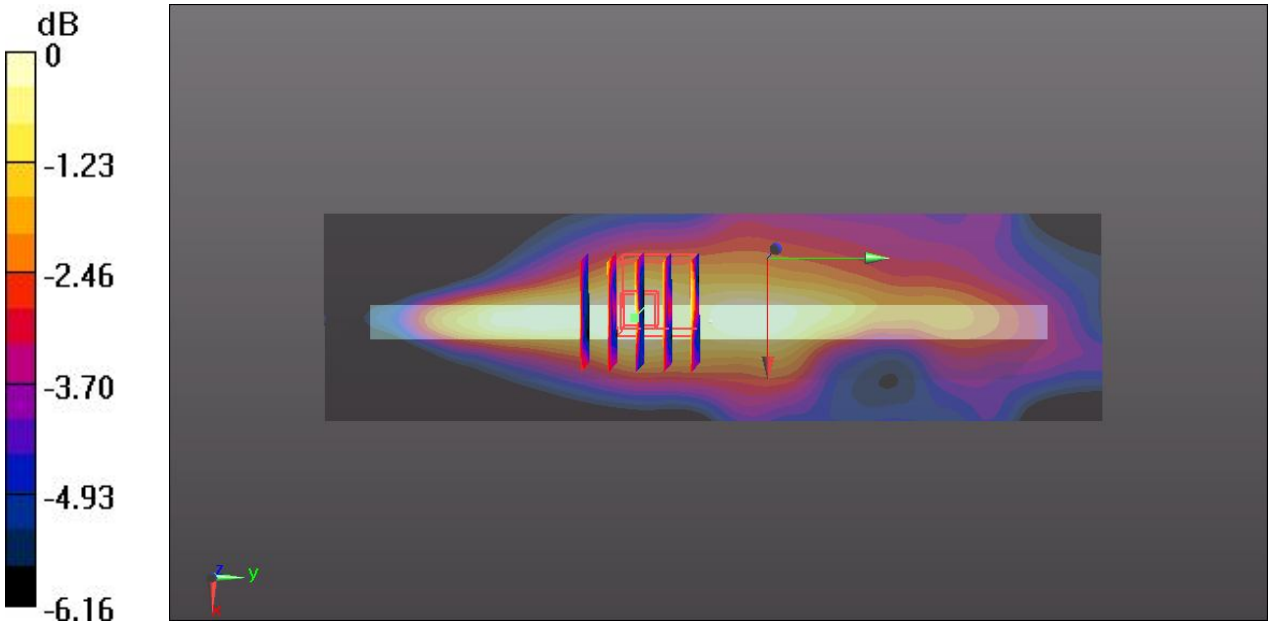
142 LTE Band 17_10M_QPSK 50RB 0offset_Edge 2_0cm_Ch23790

Communication System: UID 0, LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 710 MHz; σ = 0.933 S/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23790/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0368 W/kg

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.112 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.0400 W/kg
SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.019 W/kg
Maximum value of SAR (measured) = 0.0336 W/kg



0 dB = 0.0336 W/kg

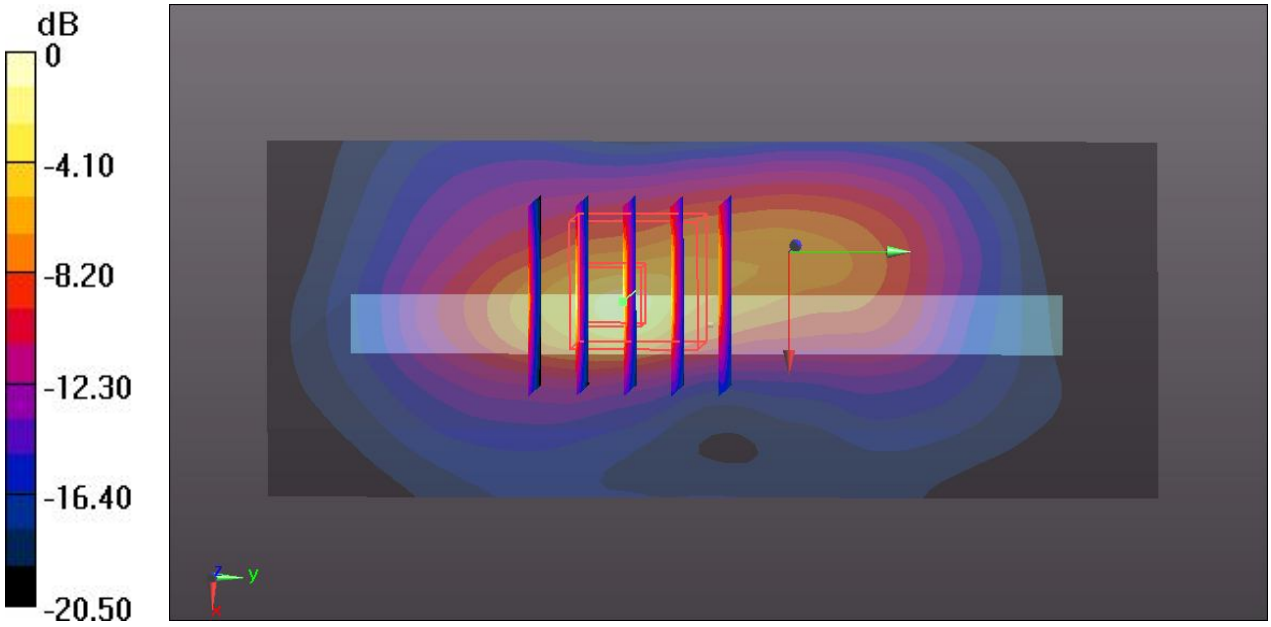
143 LTE Band 17_10M_QPSK 50RB 0offset_Edge 3_0cm_Ch23790

Communication System: UID 0, LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 710 MHz; σ = 0.933 S/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23790/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.738 W/kg

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.737 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.228 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg

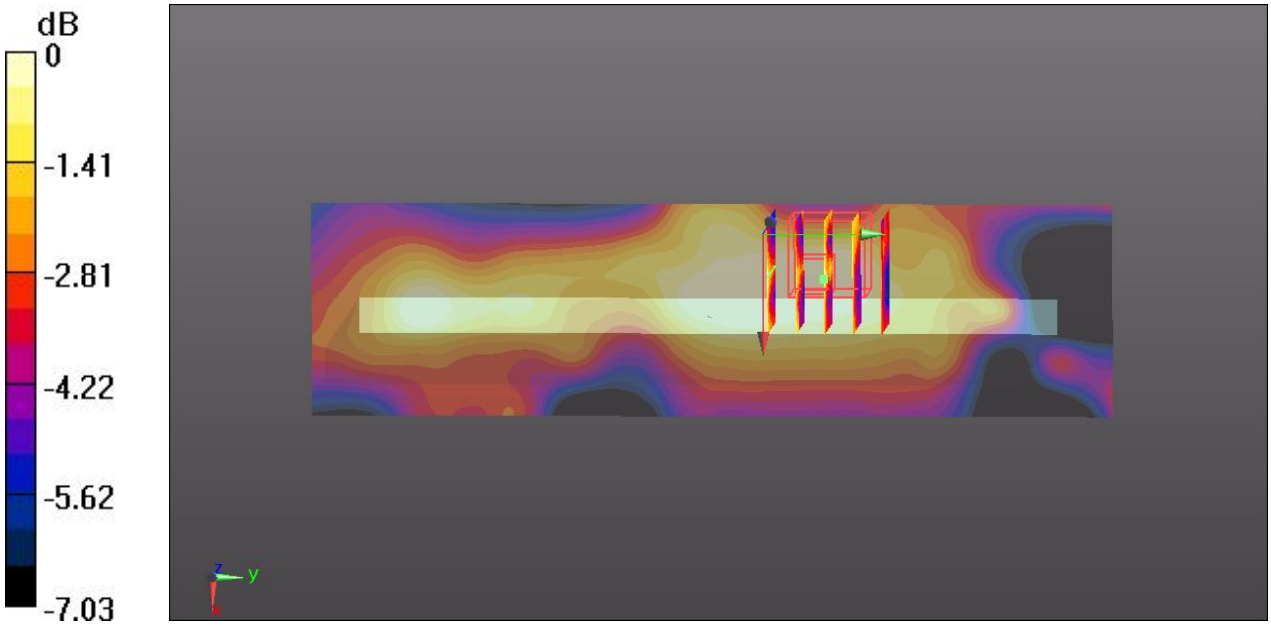
144 LTE Band 17_10M_QPSK 50RB 0offset_Edge 4_0cm_Ch23790

Communication System: UID 0, LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_131120 Medium parameters used: f = 710 MHz; σ = 0.933 S/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.68, 8.68, 8.68); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch23790/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0199 W/kg

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.552 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0210 W/kg
SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.011 W/kg
Maximum value of SAR (measured) = 0.0181 W/kg



0 dB = 0.0181 W/kg

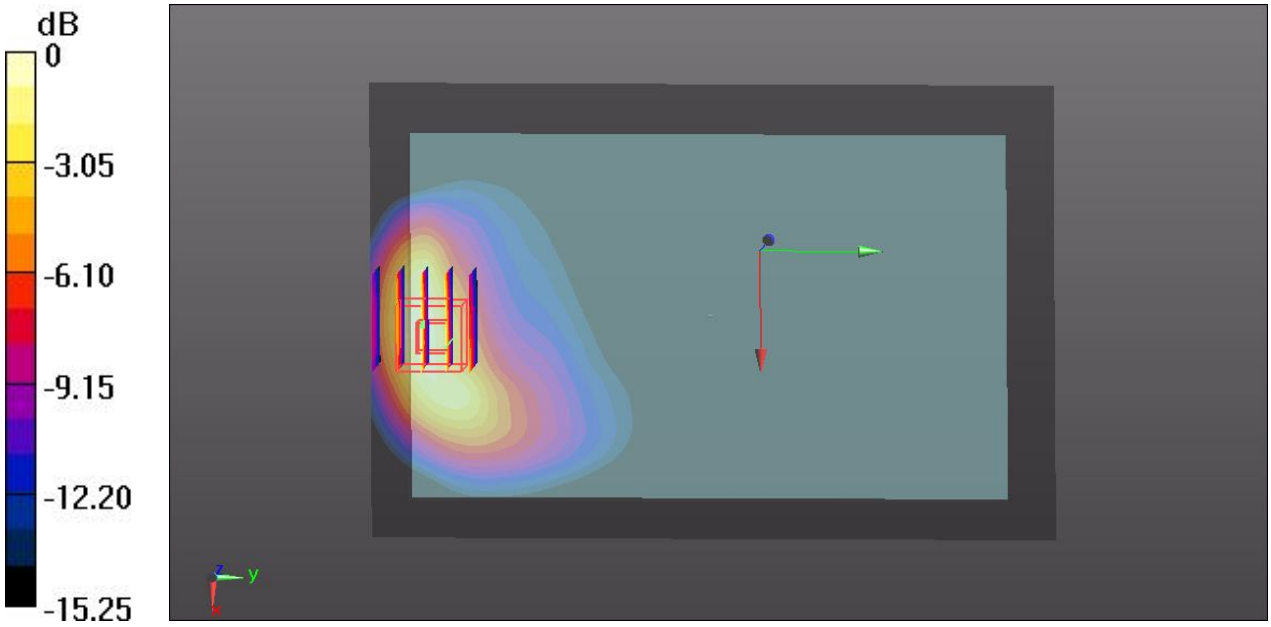
31 LTE Band 5_10M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20600

Communication System: UID 0, LTE; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 844 MHz; σ = 1.021 S/m; ε_r = 56.154; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20600/Area Scan (101x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.33 W/kg

Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.24 W/kg
SAR(1 g) = 1.150 W/kg; SAR(10 g) = 0.593 W/kg
Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg

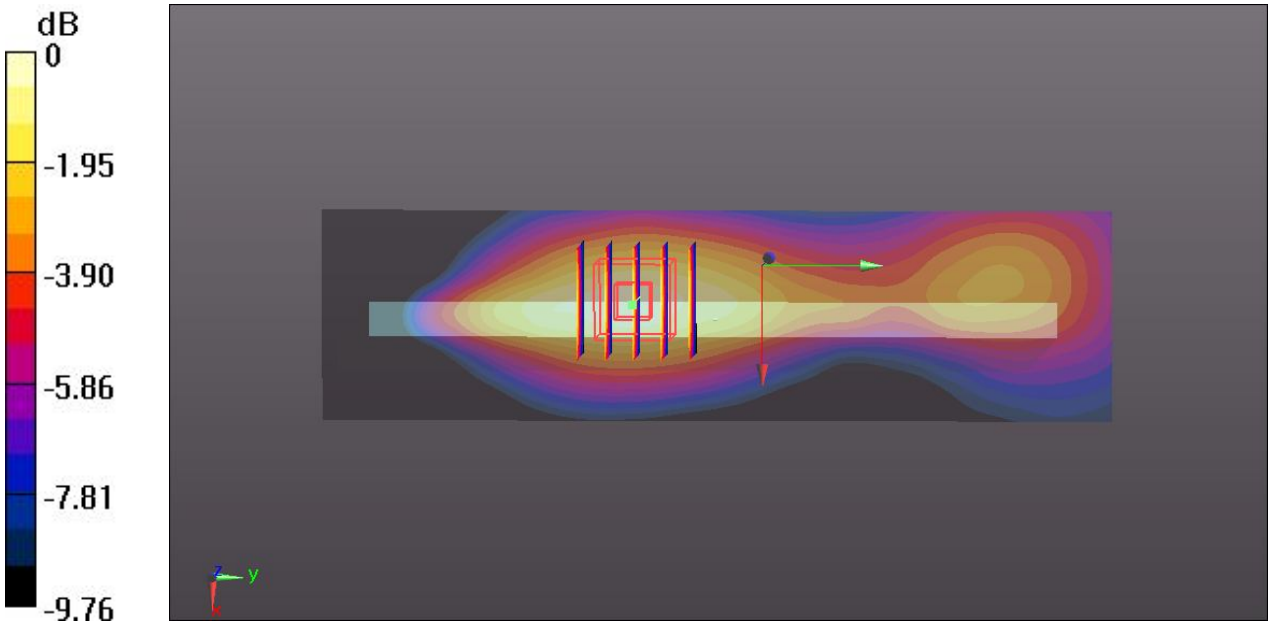
32 LTE Band 5_10M_QPSK 1RB 0offset_Edge 2_0cm_Ch20600

Communication System: UID 0, LTE; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 844 MHz; σ = 1.021 S/m; ε_r = 56.154; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20600/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0737 W/kg

Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.013 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.0870 W/kg
SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.040 W/kg
Maximum value of SAR (measured) = 0.0753 W/kg



0 dB = 0.0753 W/kg

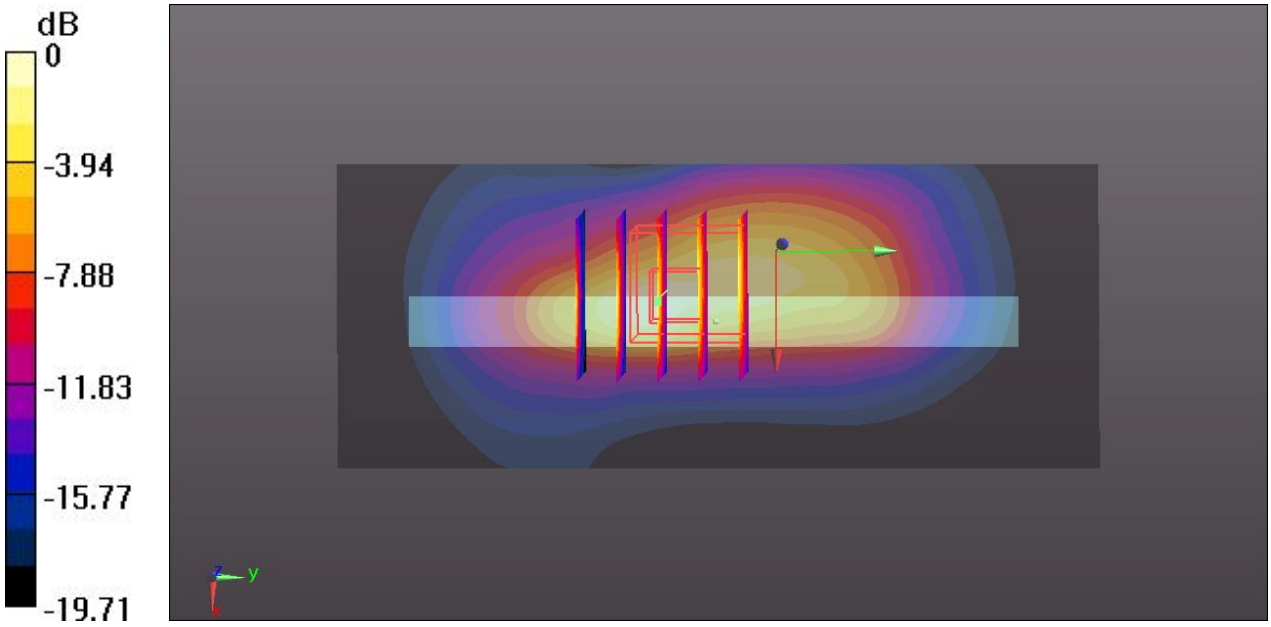
33 LTE Band 5_10M_QPSK 1RB 0offset_Edge 3_0cm_Ch20600

Communication System: UID 0, LTE; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 844 MHz; σ = 1.021 S/m; ε_r = 56.154; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20600/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.793 W/kg

Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.733 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.236 W/kg
Maximum value of SAR (measured) = 0.799 W/kg



0 dB = 0.799 W/kg

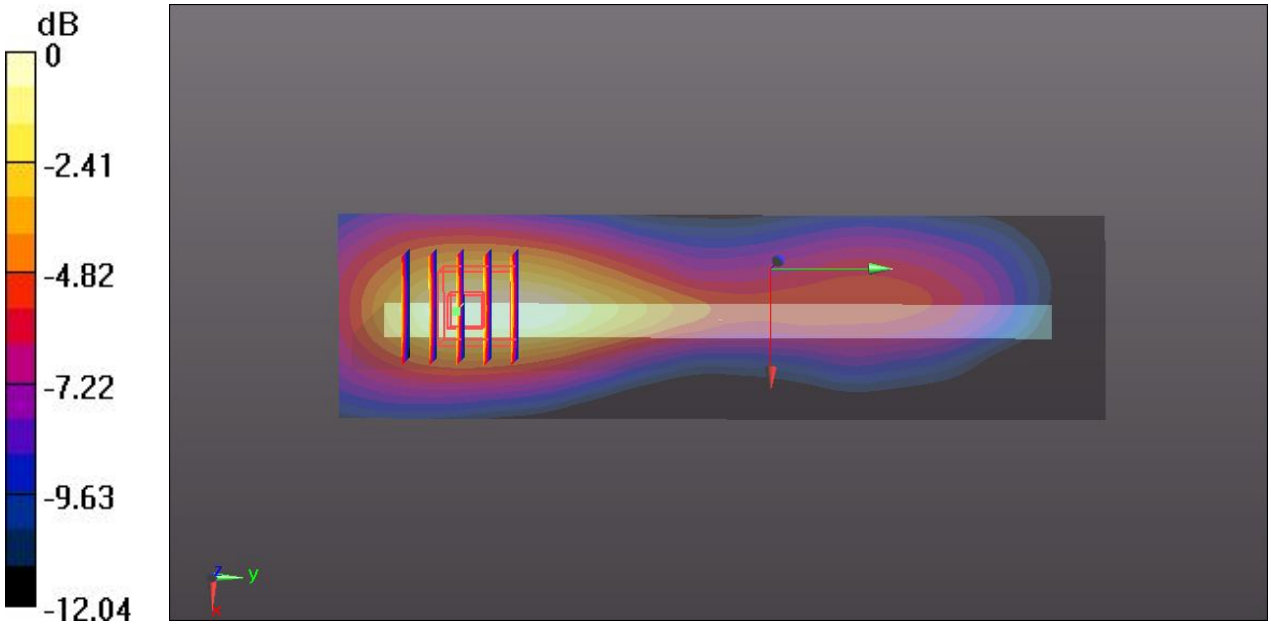
34 LTE Band 5_10M_QPSK 1RB 0offset_Edge 4_0cm_Ch20600

Communication System: UID 0, LTE; Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 844 MHz; σ = 1.021 S/m; ε_r = 56.154; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20600/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.139 W/kg

Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.757 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.165 W/kg
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.062 W/kg
Maximum value of SAR (measured) = 0.135 W/kg



0 dB = 0.135 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

35 LTE Band 5_10M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20450

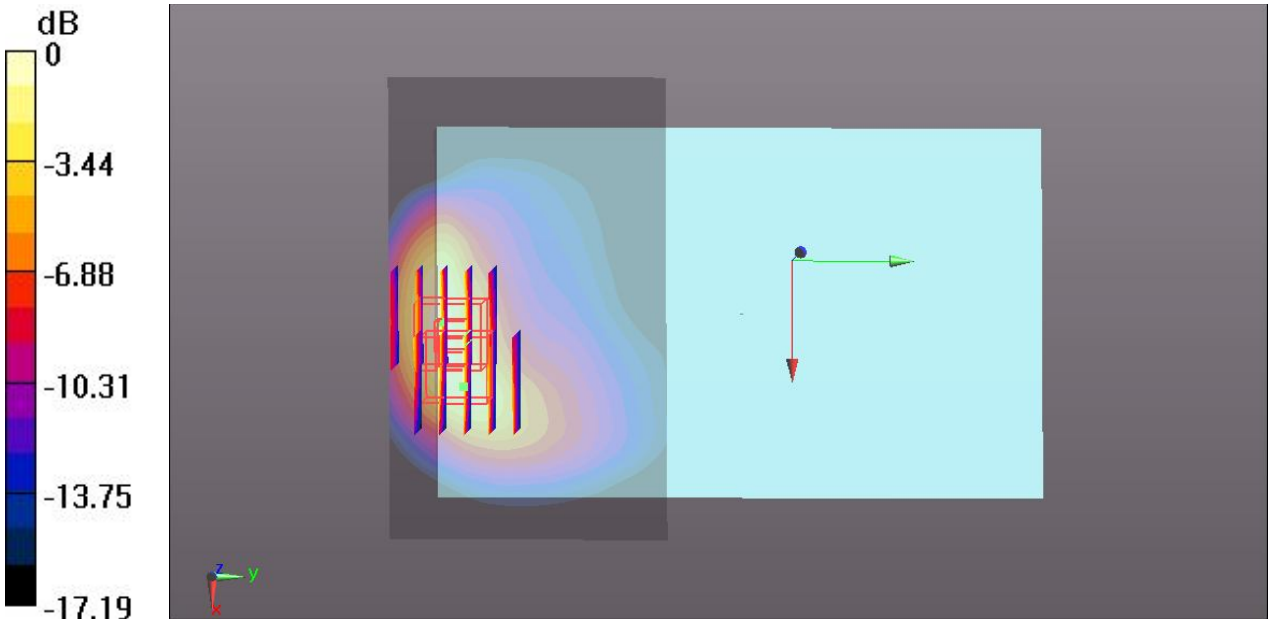
Communication System: UID 0, LTE; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 829 MHz; σ = 1.005 S/m; ε_r = 56.307; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20450/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.32 W/kg

Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.290 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.24 W/kg
SAR(1 g) = 1.160 W/kg; SAR(10 g) = 0.608 W/kg
Maximum value of SAR (measured) = 1.47 W/kg

Ch20450/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.290 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.551 W/kg.
Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

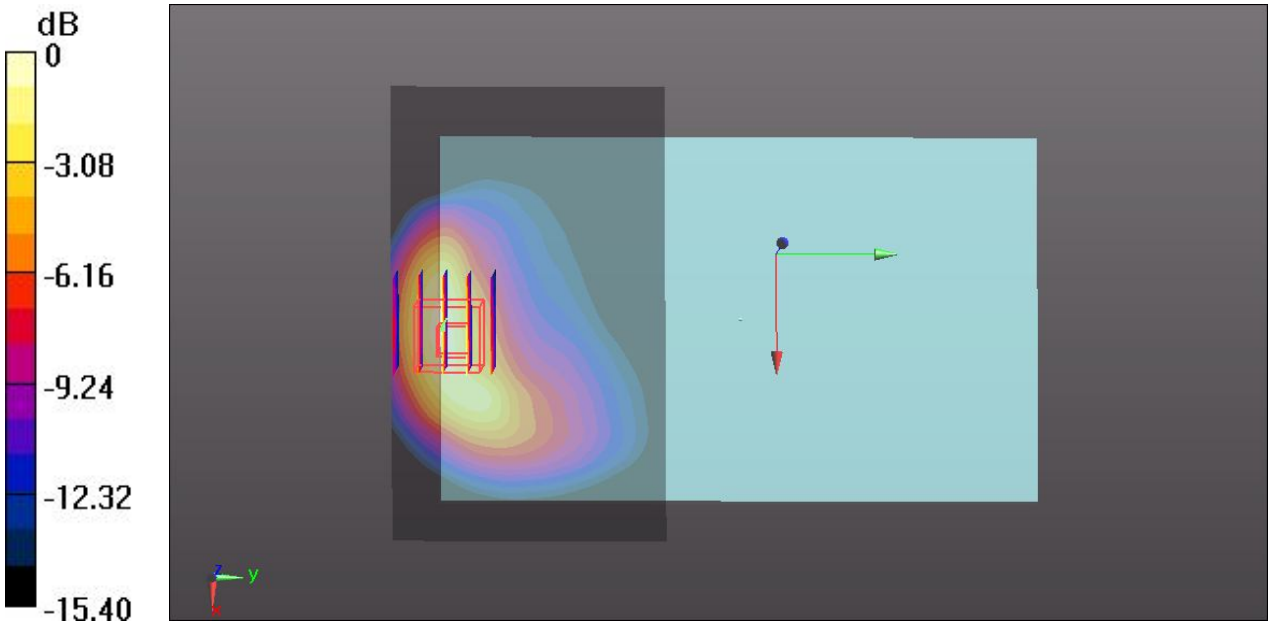
36 LTE Band 5_10M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20525

Communication System: UID 0, LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 836.5 MHz; σ = 1.013 S/m; ε_r = 56.227; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20525/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.284 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.02 W/kg
SAR(1 g) = 1.050 W/kg; SAR(10 g) = 0.548 W/kg
Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg

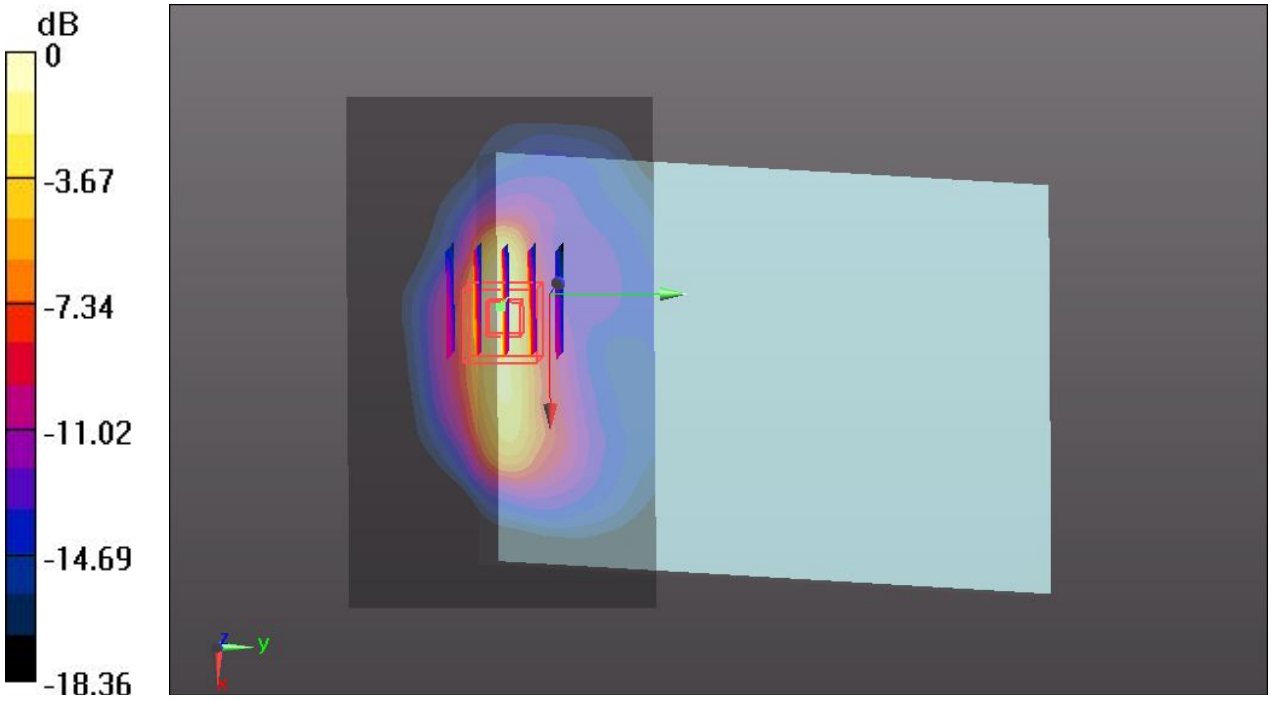
37 LTE Band 5_10M_QPSK 1RB 0offset_Curve Face 3 tilted 30 Degree_0cm_Ch20600

Communication System: UID 0, LTE (0); Frequency: 844 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 844 MHz; σ = 1.021 S/m; ε_r = 56.154; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20600/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.874 W/kg

Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.106 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.244 W/kg
Maximum value of SAR (measured) = 0.890 W/kg



0 dB = 0.890 W/kg

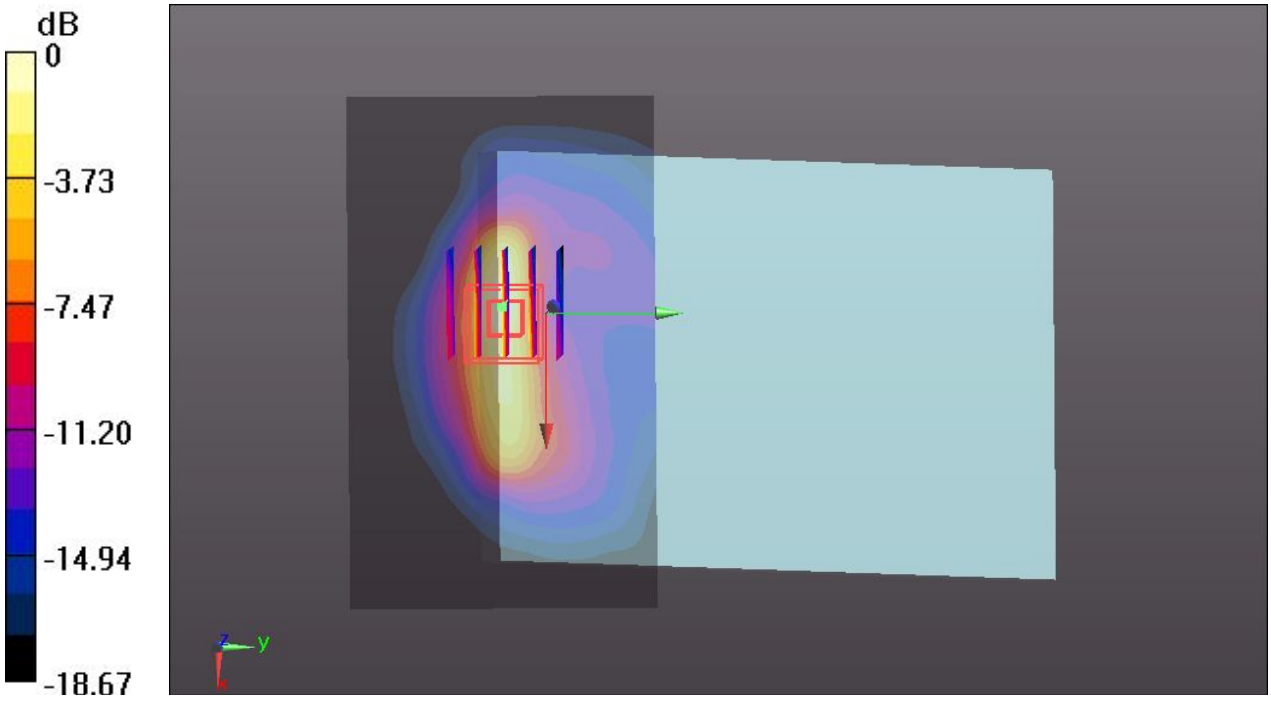
38 LTE Band 5_10M_QPSK 1RB 0offset_Curve Face 3 tilted 30 Degree_0cm_Ch20450

Communication System: UID 0, LTE (0); Frequency: 829 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 829 MHz; σ = 1.005 S/m; ε_r = 56.307; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20450/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.896 W/kg

Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.237 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.250 W/kg
Maximum value of SAR (measured) = 0.925 W/kg



0 dB = 0.925 W/kg

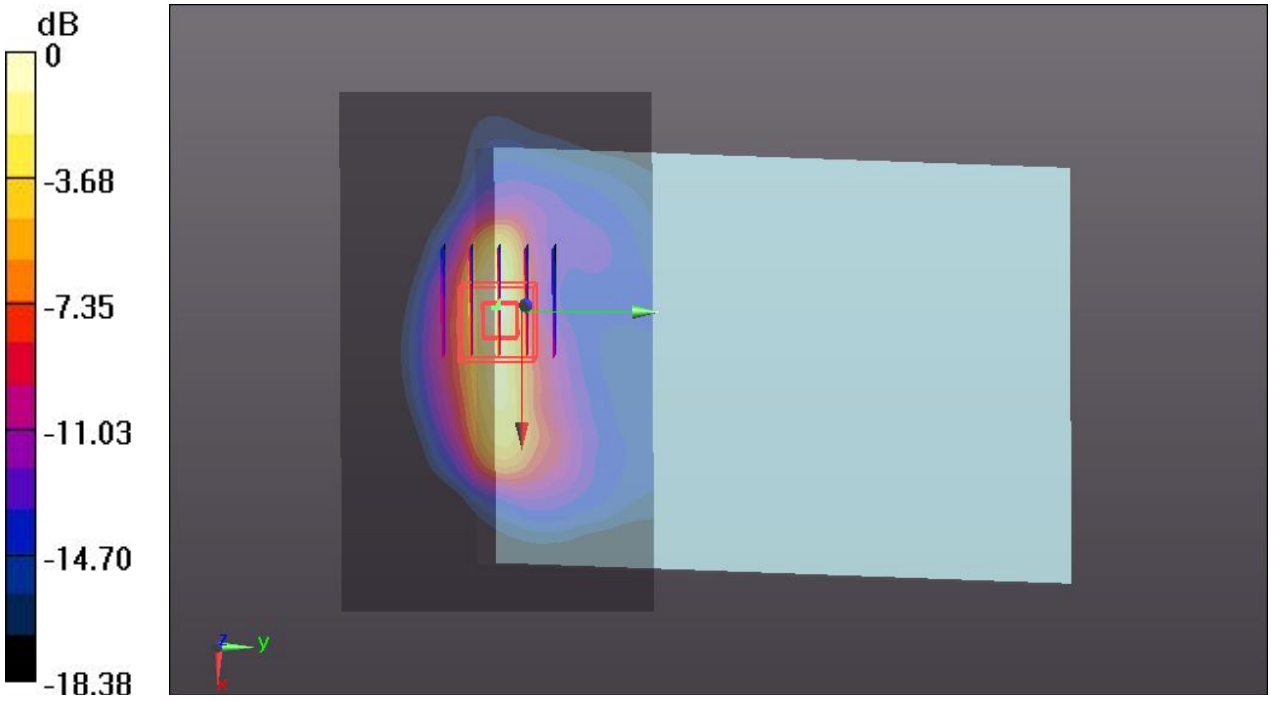
39 LTE Band 5_10M_QPSK 1RB 0offset_Curve Face 3 tilted 30 Degree_0cm_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 836.5 MHz; σ = 1.013 S/m; ε_r = 56.227; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20525/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.847 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.677 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.242 W/kg
Maximum value of SAR (measured) = 0.888 W/kg



0 dB = 0.888 W/kg

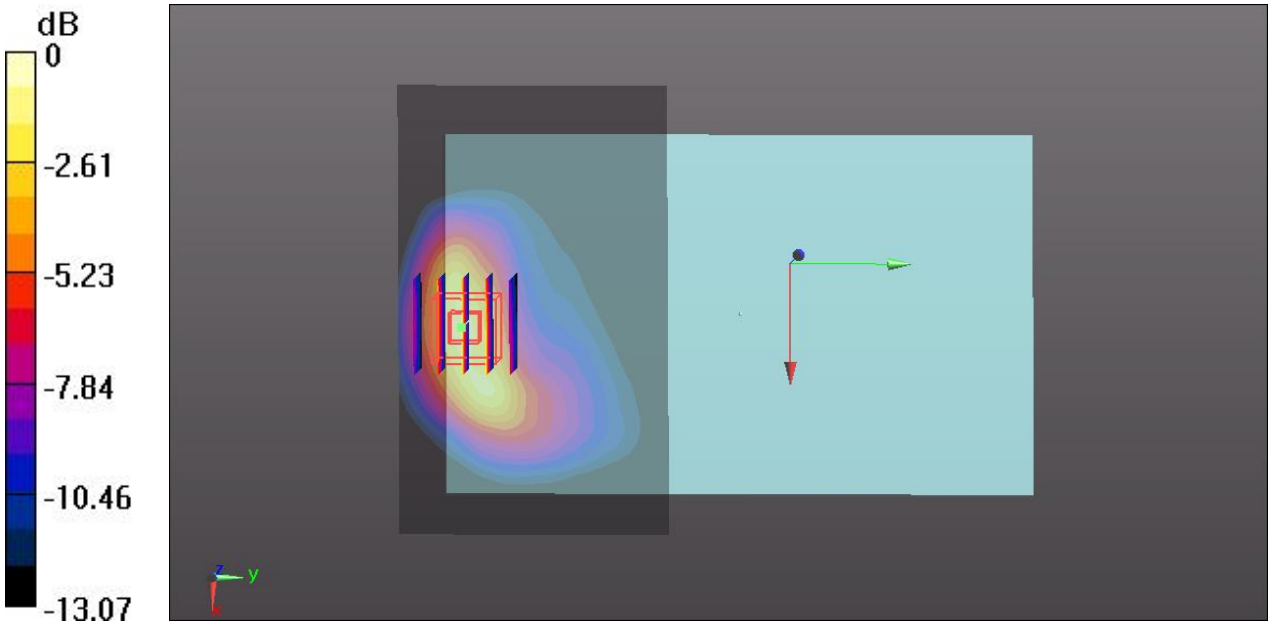
40 LTE Band 5_10M_QPSK 25RB 0offset_Bottom Face_0cm_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 836.5 MHz; σ = 1.013 S/m; ε_r = 56.227; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20525/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.748 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.513 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.366 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

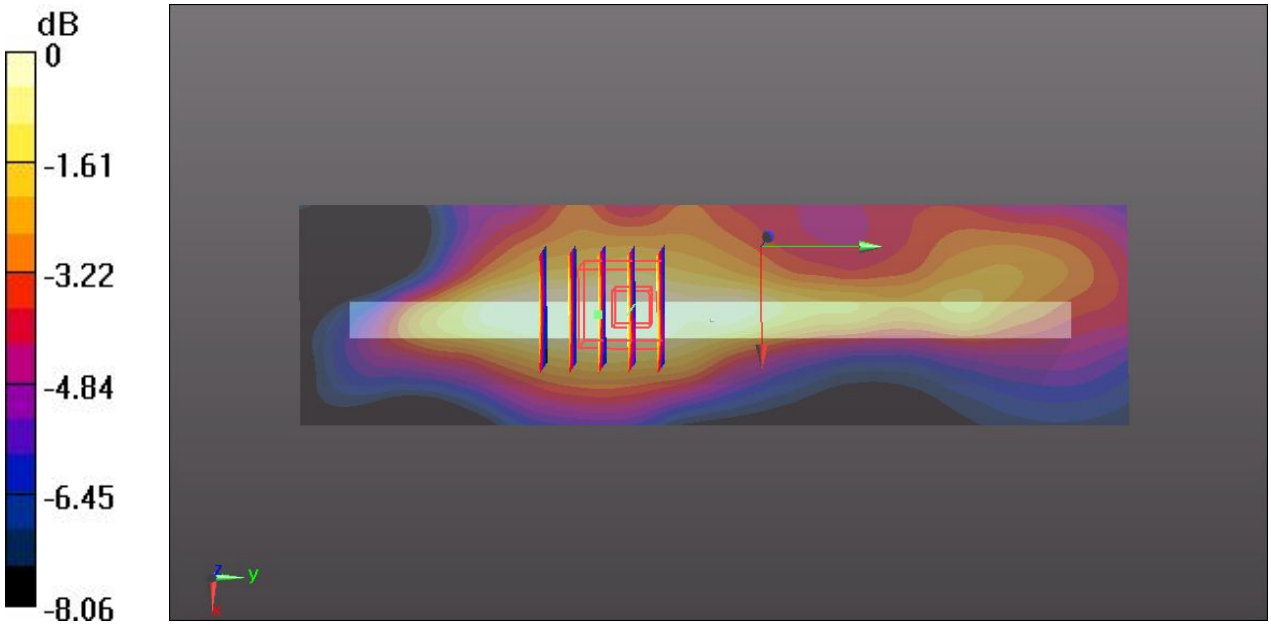
41 LTE Band 5_10M_QPSK 25RB 0offset_Edge 2_0cm_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 836.5 MHz; σ = 1.013 S/m; ε_r = 56.227; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20525/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0540 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.614 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.0600 W/kg
SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.030 W/kg
Maximum value of SAR (measured) = 0.0504 W/kg



0 dB = 0.0504 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

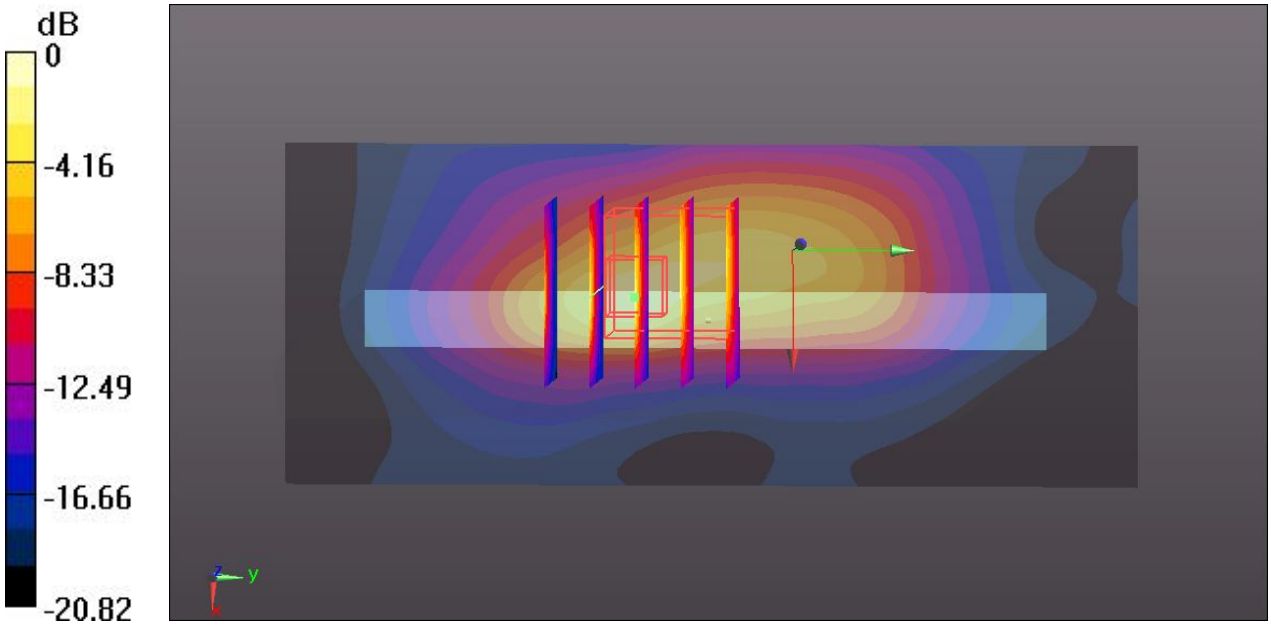
42 LTE Band 5_10M_QPSK 25RB 0offset_Edge 3_0cm_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 836.5 MHz; σ = 1.013 S/m; ε_r = 56.227; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20525/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.498 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.926 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.169 W/kg
Maximum value of SAR (measured) = 0.674 W/kg



0 dB = 0.674 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

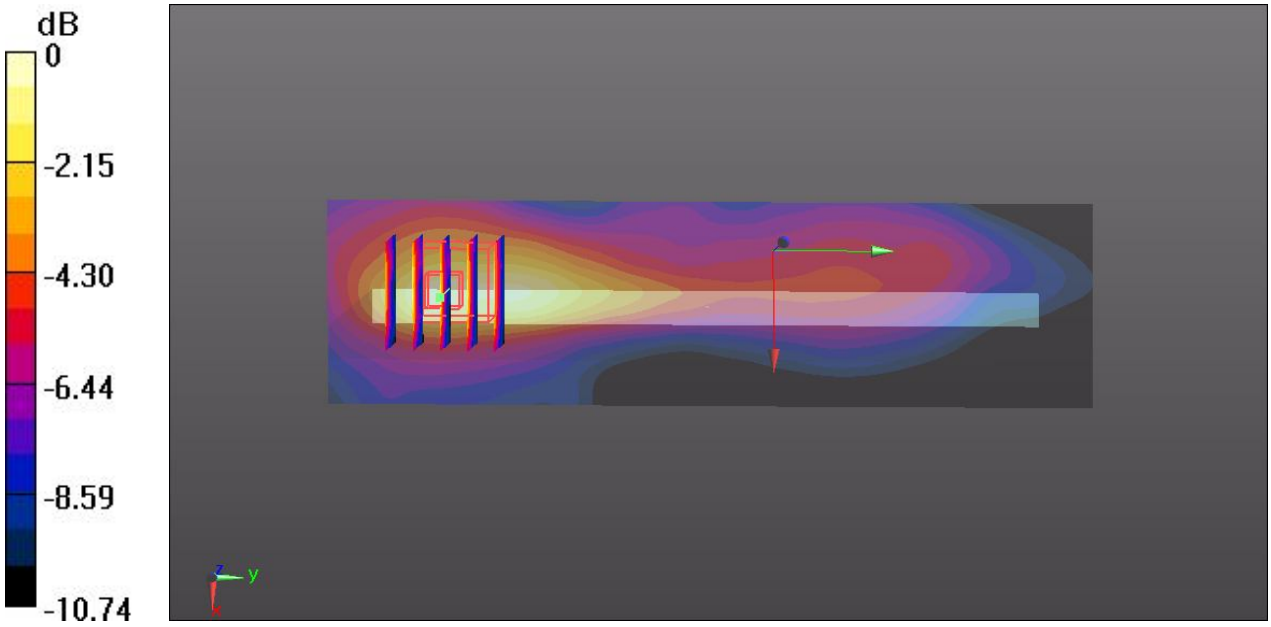
43 LTE Band 5_10M_QPSK 25RB 0offset_Edge 4_0cm_Ch20525

Communication System: UID 0, LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 836.5 MHz; σ = 1.013 S/m; ε_r = 56.227; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20525/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0996 W/kg

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.941 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.124 W/kg
SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.041 W/kg
Maximum value of SAR (measured) = 0.0994 W/kg



0 dB = 0.0994 W/kg = -10.03 dBW/kg

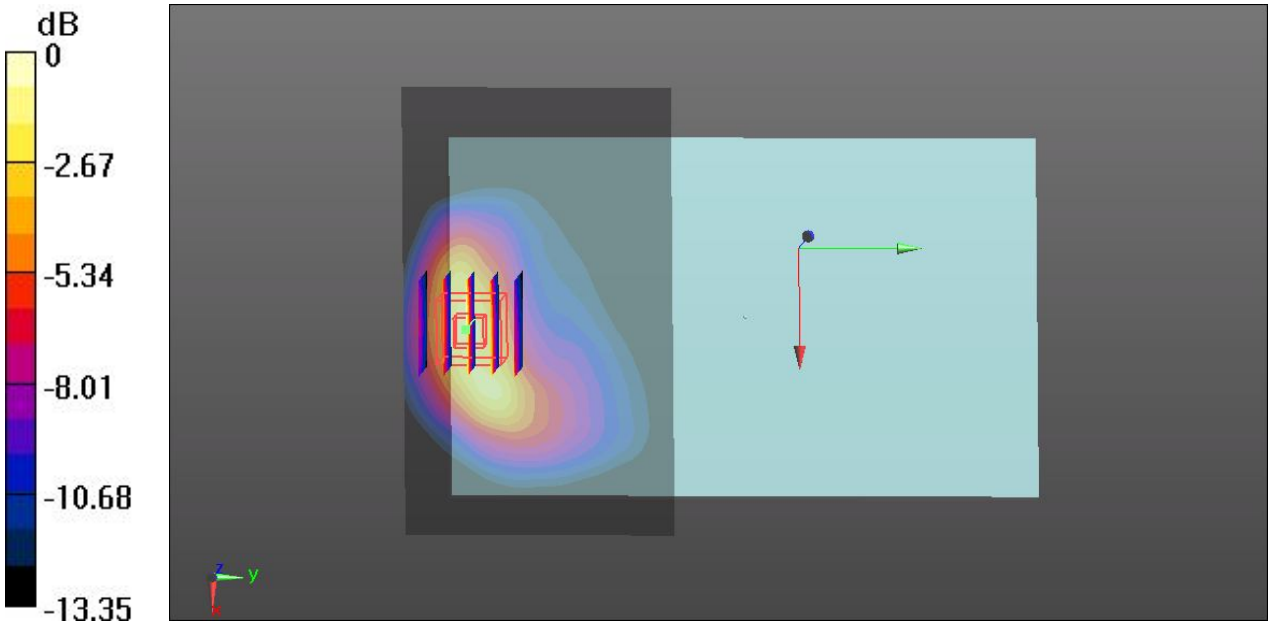
44 LTE Band 5_10M_QPSK 50RB 0offset_Bottom Face_0cm_Ch20450

Communication System: UID 0, LTE (0); Frequency: 829 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 829 MHz; σ = 1.005 S/m; ε_r = 56.307; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20450/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.855 W/kg

Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.505 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.788 W/kg; SAR(10 g) = 0.416 W/kg
Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.16 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

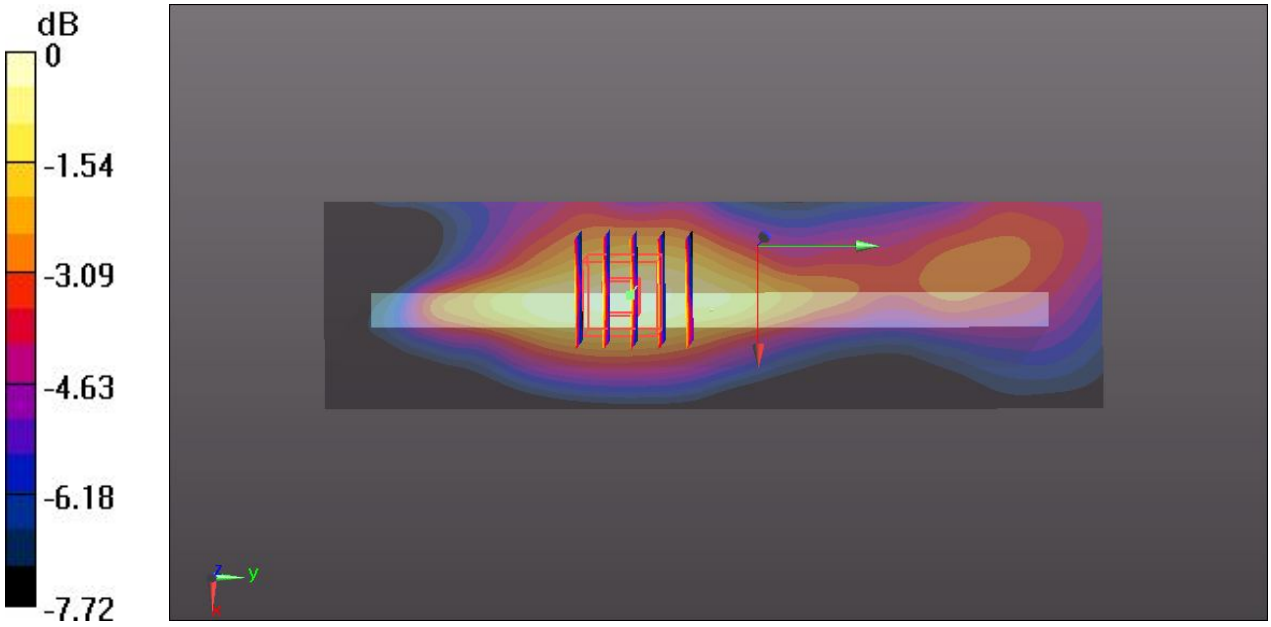
45 LTE Band 5_10M_QPSK 50RB 0offset_Edge 2_0cm_Ch20450

Communication System: UID 0, LTE (0); Frequency: 829 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 829 MHz; σ = 1.005 S/m; ε_r = 56.307; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20450/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0635 W/kg

Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.851 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.0760 W/kg
SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.037 W/kg
Maximum value of SAR (measured) = 0.0659 W/kg



0 dB = 0.0659 W/kg

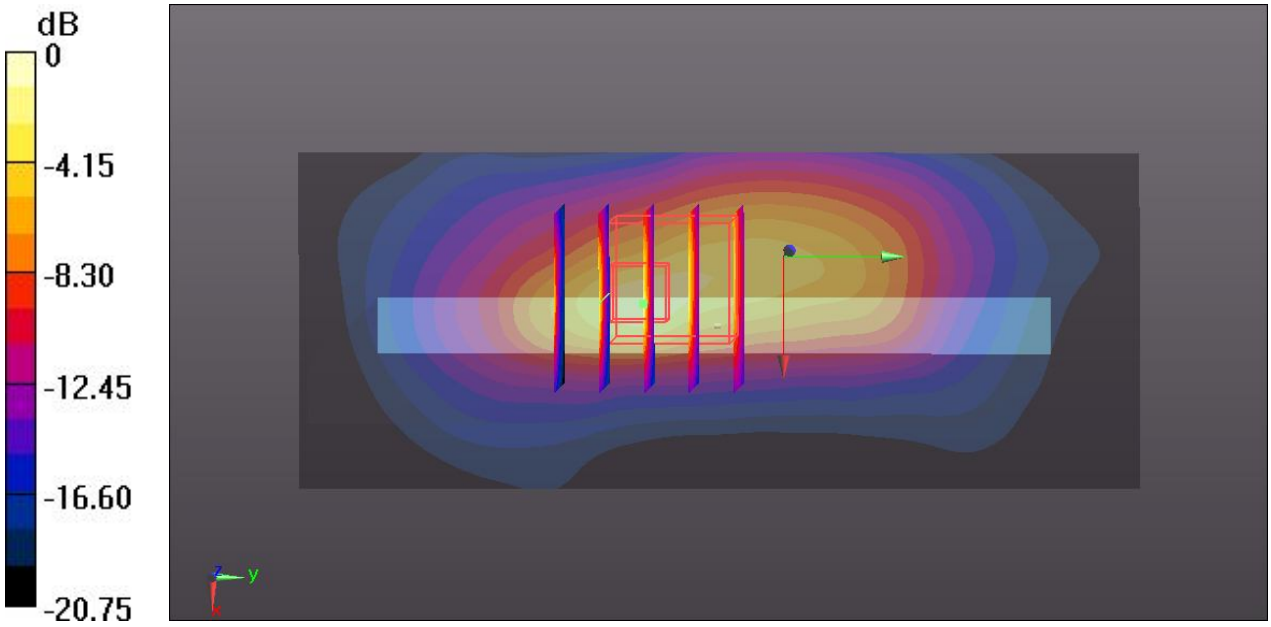
46 LTE Band 5_10M_QPSK 50RB 0offset_Edge 3_0cm_Ch20450

Communication System: UID 0, LTE (0); Frequency: 829 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 829 MHz; σ = 1.005 S/m; ε_r = 56.307; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20450/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.561 W/kg

Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.891 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.194 W/kg
Maximum value of SAR (measured) = 0.790 W/kg



0 dB = 0.790 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.15

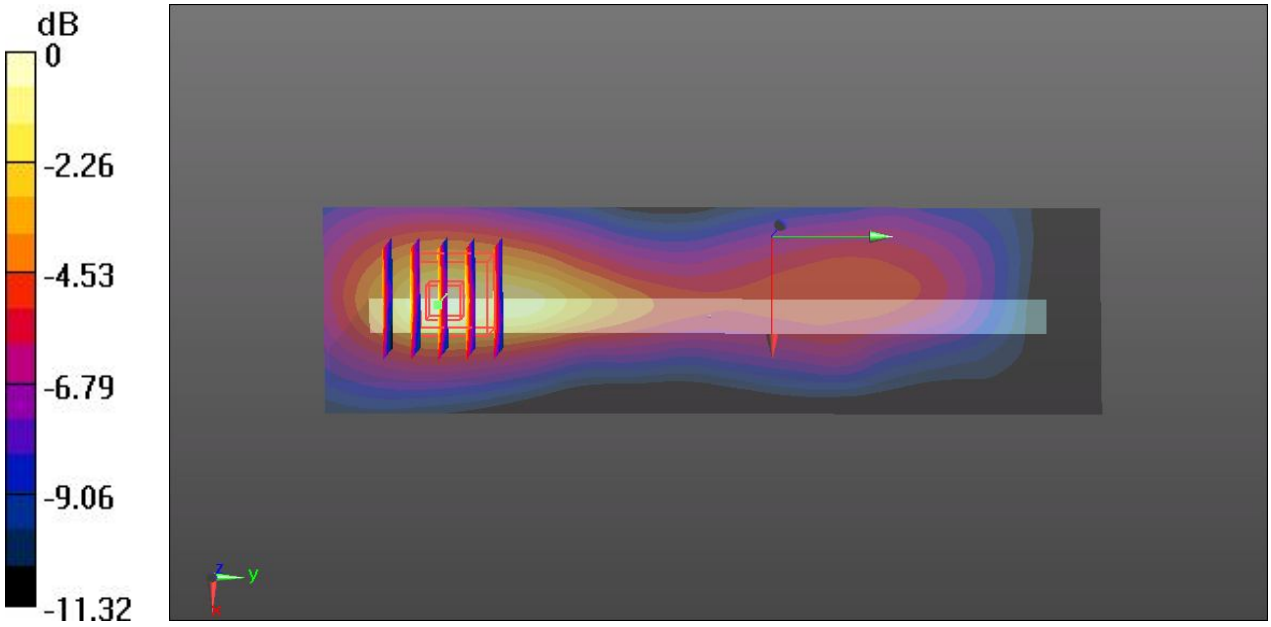
47 LTE Band 5_10M_QPSK 50RB 0offset_Edge 4_0cm_Ch20450

Communication System: UID 0, LTE (0); Frequency: 829 MHz;Duty Cycle: 1:1
Medium: MSL_835_131115 Medium parameters used: f = 829 MHz; σ = 1.005 S/m; ε_r = 56.307; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(8.5, 8.5, 8.5); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20450/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.109 W/kg

Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.090 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.143 W/kg
SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.049 W/kg
Maximum value of SAR (measured) = 0.115 W/kg



0 dB = 0.115 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

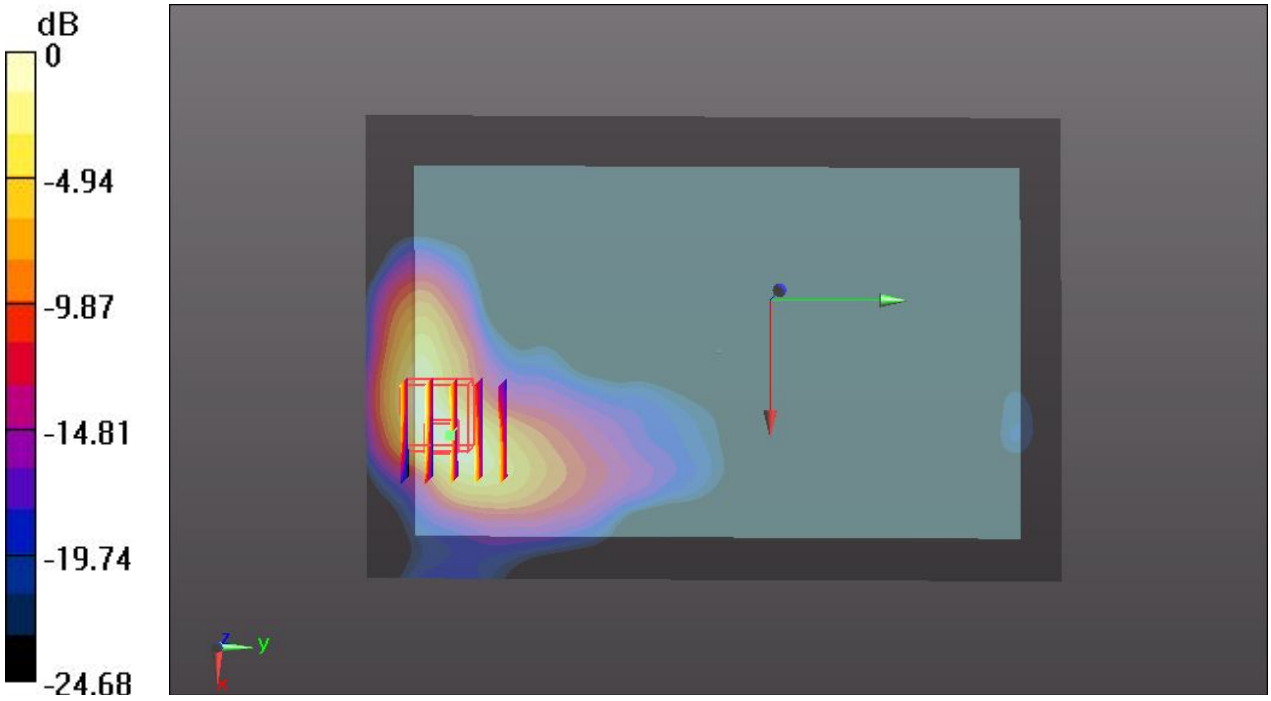
211 LTE Band4_20M_QPSK 1RB 0offset_Bottom Face_0cm_Ch20050

Communication System: UID 0, LTE (0); Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1720 MHz; σ = 1.477 S/m; ε_r = 54.025; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20050/Area Scan (101x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.874 W/kg

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.263 W/kg
Maximum value of SAR (measured) = 0.868 W/kg



0 dB = 0.868 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

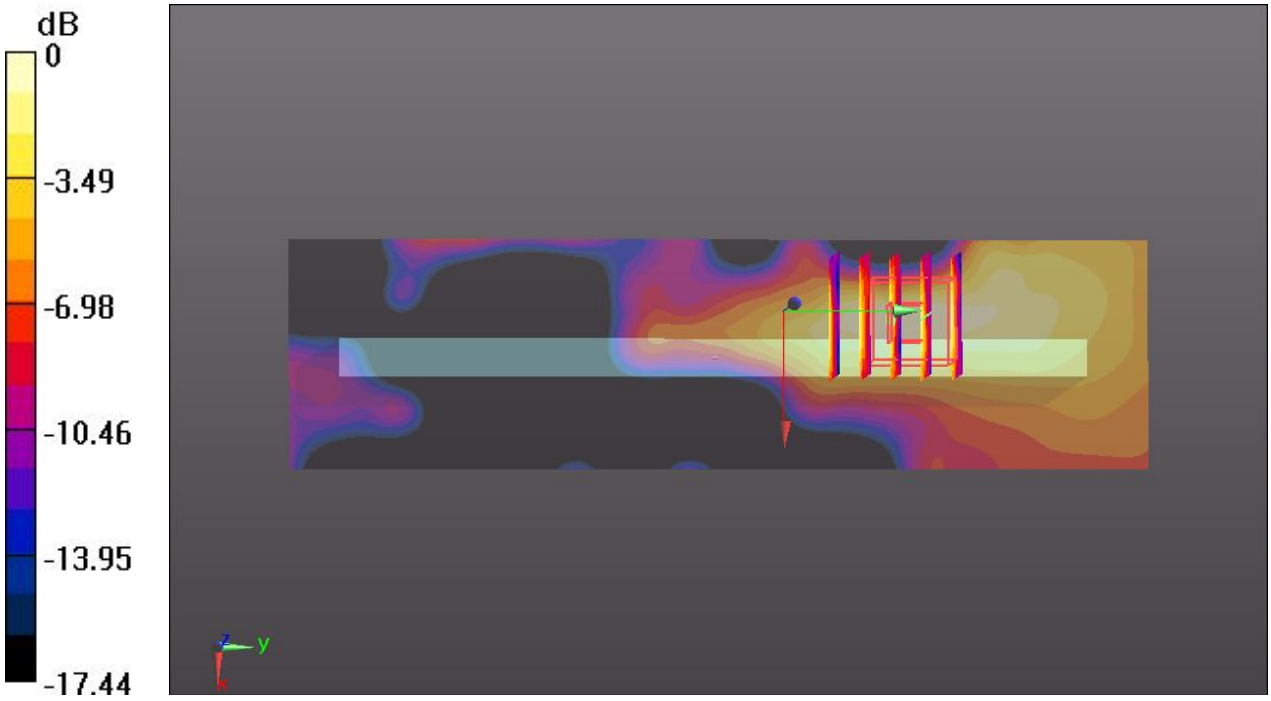
212 LTE Band4_20M_QPSK 1RB 0offset_Edge 2_0cm_Ch20050

Communication System: UID 0, LTE (0); Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1720 MHz; σ = 1.477 S/m; ε_r = 54.025; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20050/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0157 W/kg

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.583 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.0190 W/kg
SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00589 W/kg
Maximum value of SAR (measured) = 0.0152 W/kg



0 dB = 0.0152 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

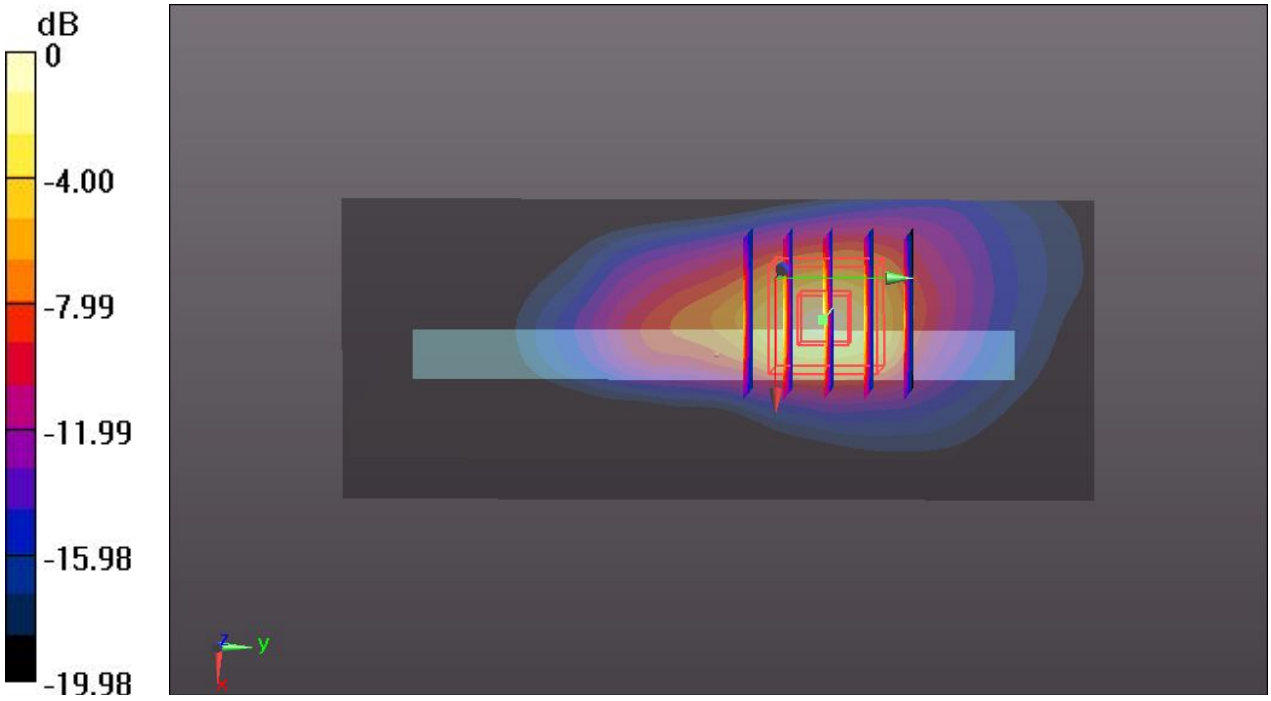
213 LTE Band4_20M_QPSK 1RB 0offset_Edge 3_0cm_Ch20050

Communication System: UID 0, LTE (0); Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1720 MHz; σ = 1.477 S/m; ε_r = 54.025; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20050/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.04 W/kg

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.270 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.316 W/kg
Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

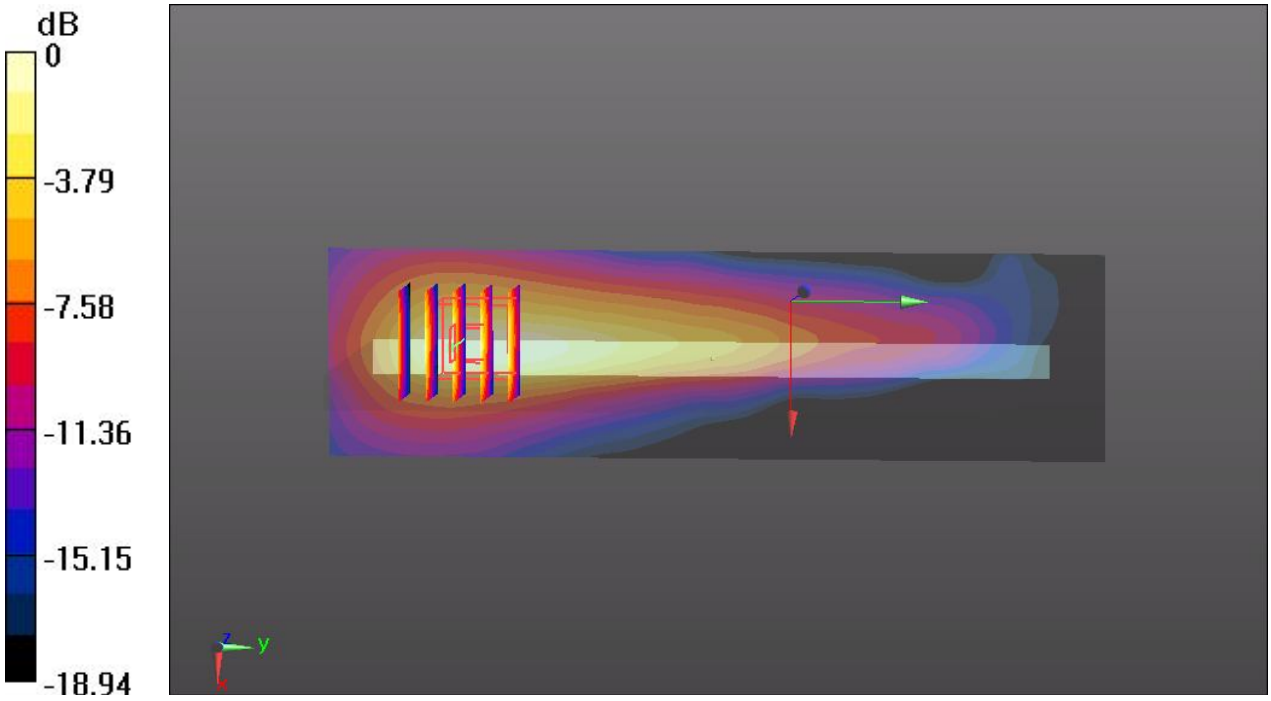
214 LTE Band4_20M_QPSK 1RB 0offset_Edge 4_0cm_Ch20050

Communication System: UID 0, LTE (0); Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1720 MHz; σ = 1.477 S/m; ε_r = 54.025; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20050/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.137 W/kg

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.056 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.175 W/kg
SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.051 W/kg
Maximum value of SAR (measured) = 0.139 W/kg



0 dB = 0.139 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

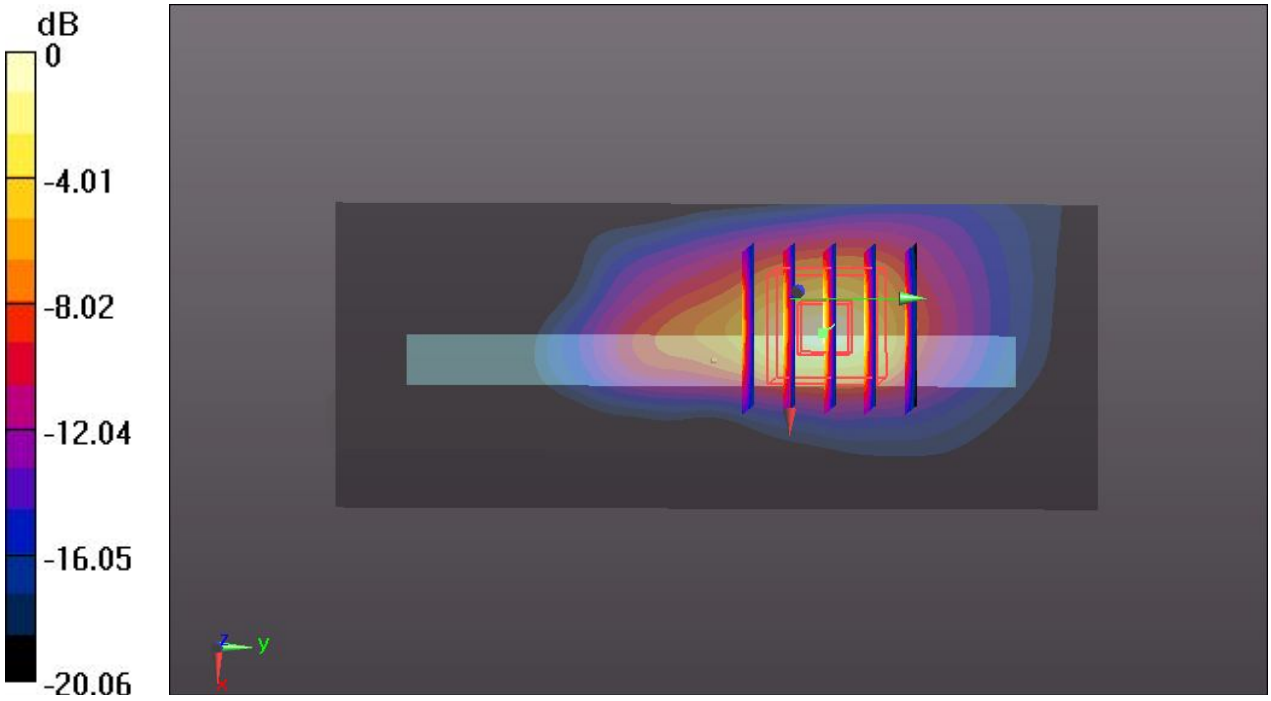
215 LTE Band4_20M_QPSK 1RB 0offset_Edge 3_0cm_Ch20175

Communication System: UID 0, LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1732.5 MHz; σ = 1.496 S/m; ε_r = 53.649; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20175/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.04 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.315 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.311 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

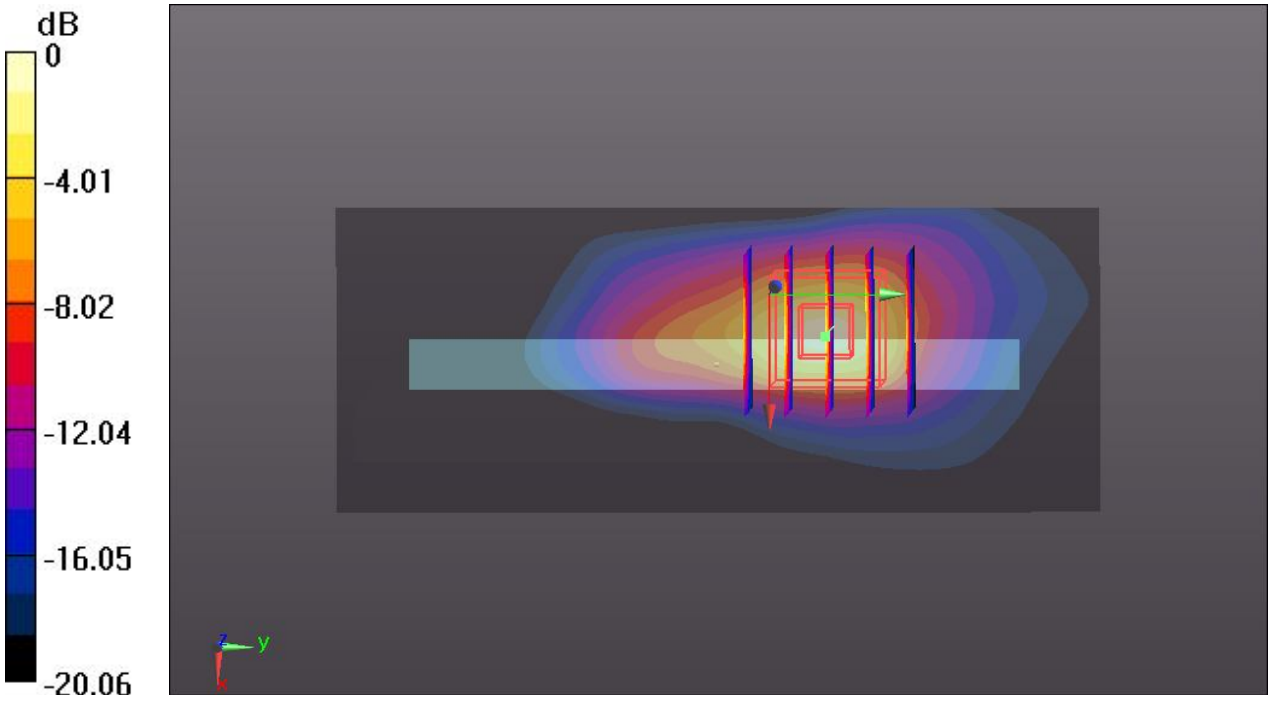
216 LTE Band4_20M_QPSK 1RB 0offset_Edge 3_0cm_Ch20300

Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1745 MHz; σ = 1.509 S/m; ε_r = 53.565; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20300/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.846 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.76 W/kg
SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.340 W/kg
Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

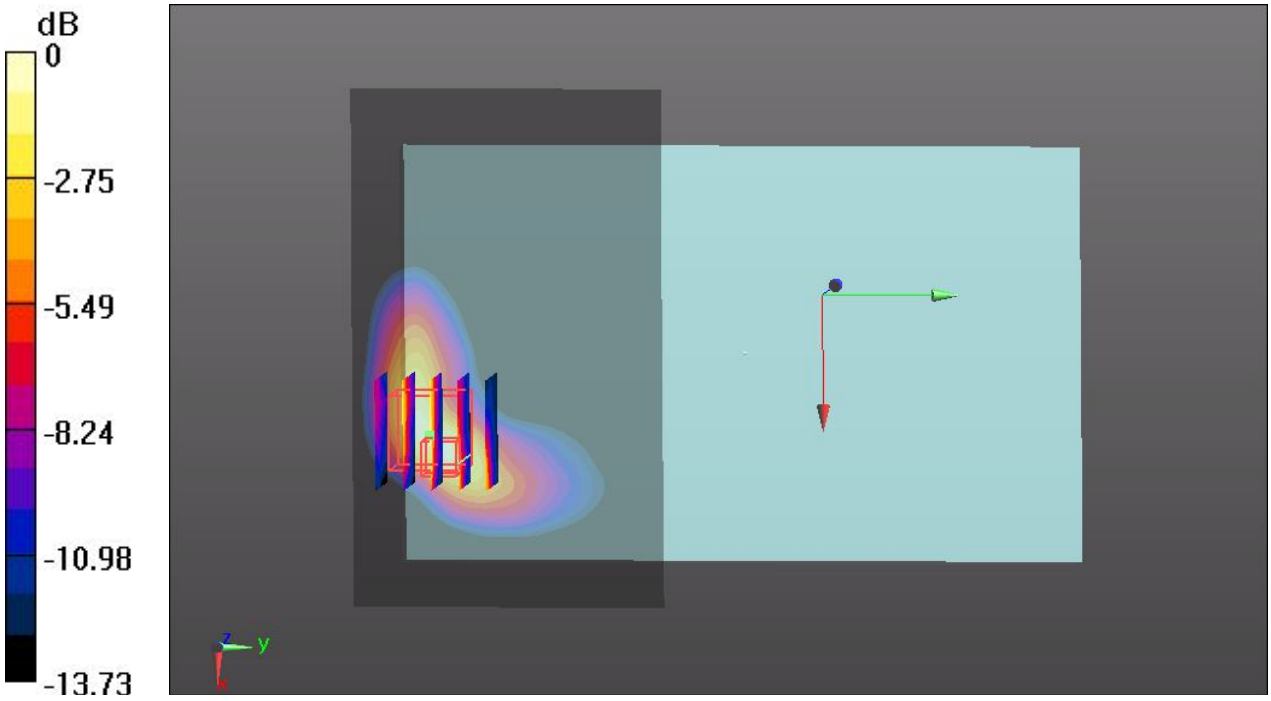
221 LTE Band4_20M_QPSK 50RB 0offset_Bottom Face_0cm_Ch20300

Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1745 MHz; σ = 1.509 S/m; ε_r = 53.565; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20300/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.648 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.000 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.444 W/kg; SAR(10 g) = 0.225 W/kg
Maximum value of SAR (measured) = 0.704 W/kg



0 dB = 0.704 W/kg

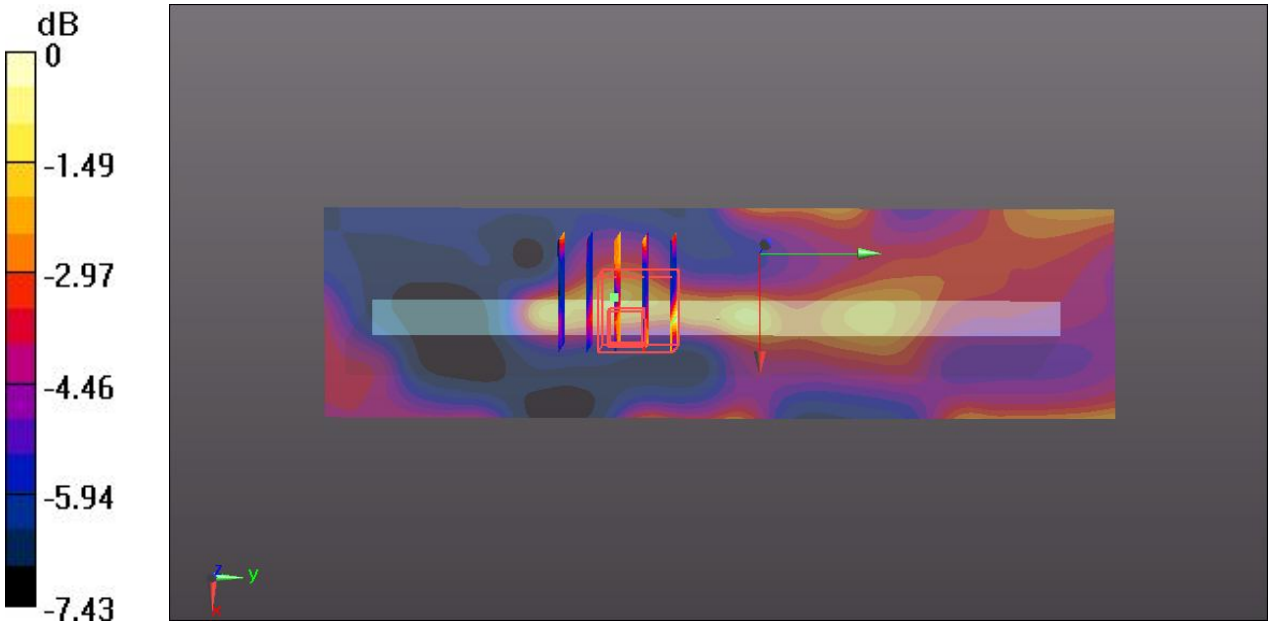
222 LTE Band4_20M_QPSK 50RB 0offset_Edge 2_0cm_Ch20300

Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1745 MHz; σ = 1.509 S/m; ε_r = 53.565; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20300/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0218 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.158 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0280 W/kg
SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.011 W/kg
Maximum value of SAR (measured) = 0.0278 W/kg



0 dB = 0.0278 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

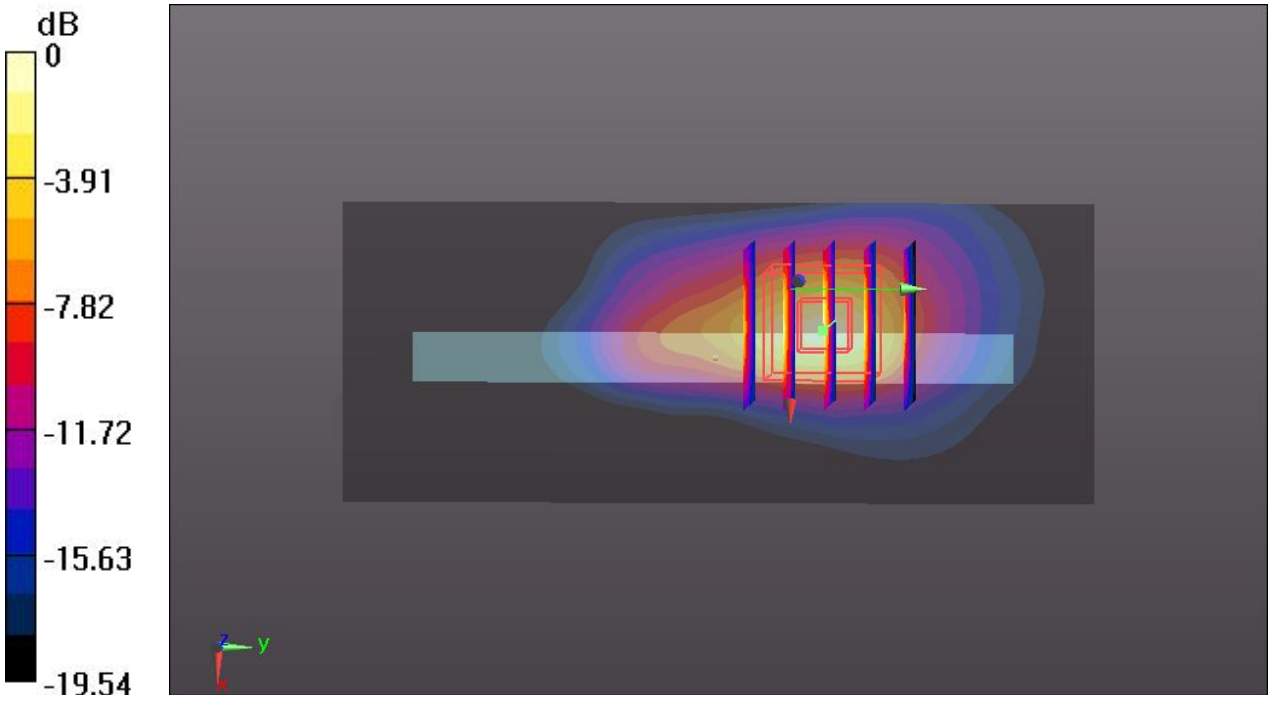
223 LTE Band4_20M_QPSK 50RB 0offset_Edge 3_0cm_Ch20300

Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1745 MHz; σ = 1.509 S/m; ε_r = 53.565; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20300/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.769 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.155 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.236 W/kg
Maximum value of SAR (measured) = 0.898 W/kg



0 dB = 0.898 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

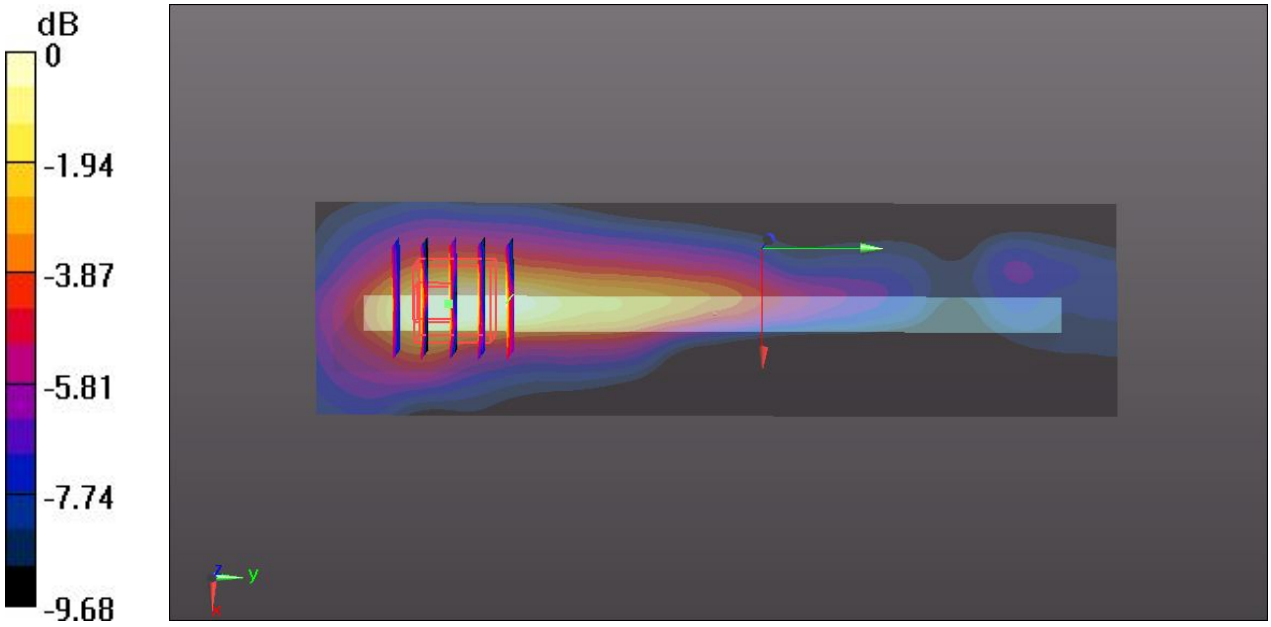
224 LTE Band4_20M_QPSK 50RB 0offset_Edge 4_0cm_Ch20300

Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1745 MHz; σ = 1.509 S/m; ε_r = 53.565; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20300/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0896 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.104 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.106 W/kg
SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.037 W/kg
Maximum value of SAR (measured) = 0.0843 W/kg



0 dB = 0.0843 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

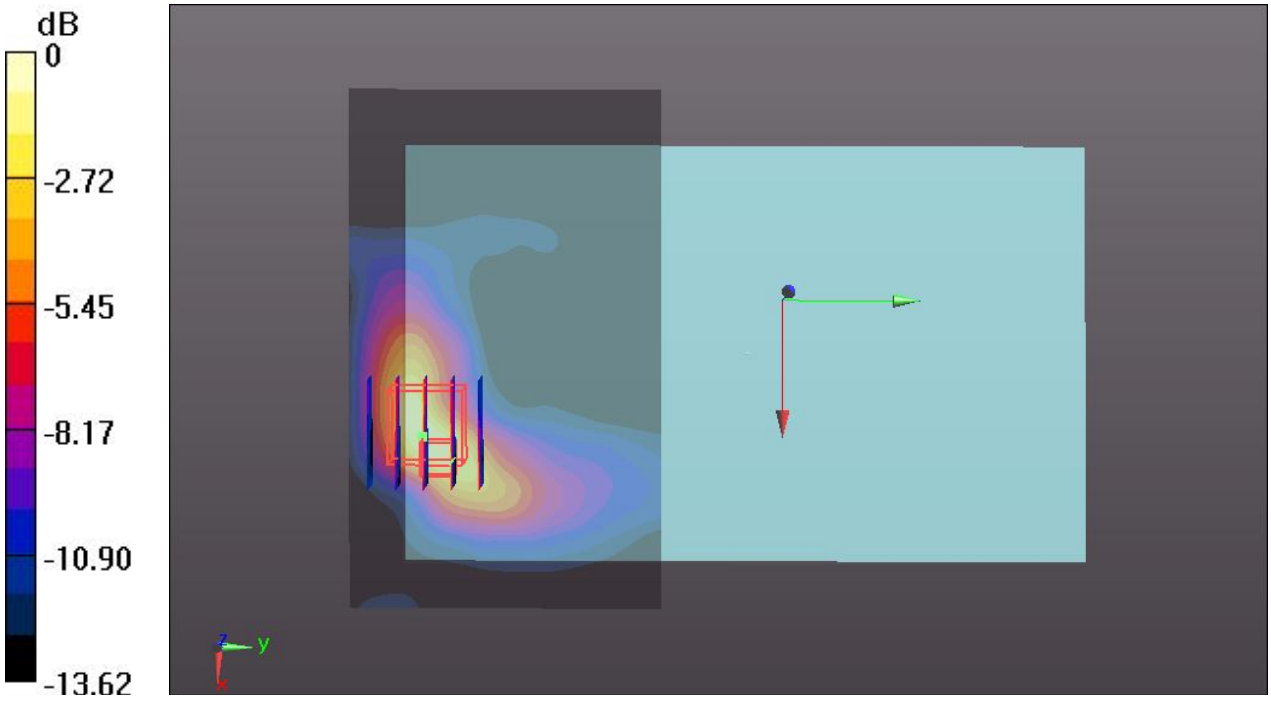
231 LTE Band4_20M_QPSK 100RB 0offset_Bottom Face_0cm_Ch20300

Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1745 MHz; σ = 1.509 S/m; ε_r = 53.565; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20300/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.645 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.121 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.238 W/kg
Maximum value of SAR (measured) = 0.784 W/kg



0 dB = 0.784 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

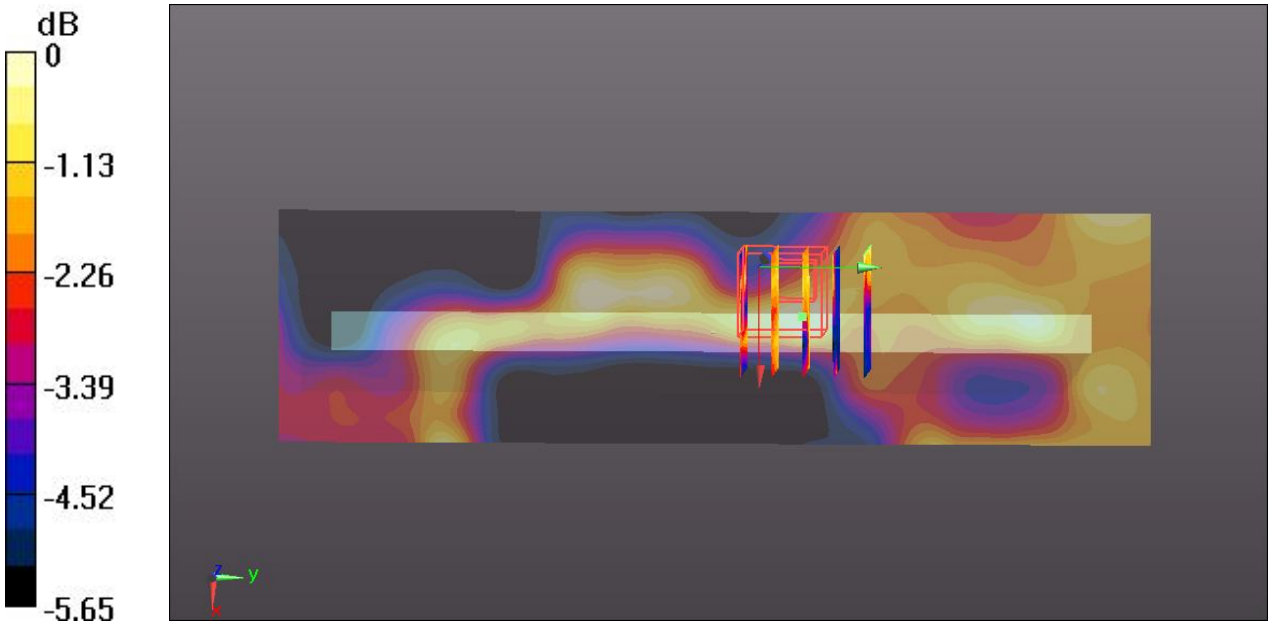
232 LTE Band4_20M_QPSK 100RB 0offset_Edge 2_0cm_Ch20300

Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1745 MHz; σ = 1.509 S/m; ε_r = 53.565; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20300/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0248 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.649 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.0270 W/kg
SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0227 W/kg



0 dB = 0.0227 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.25

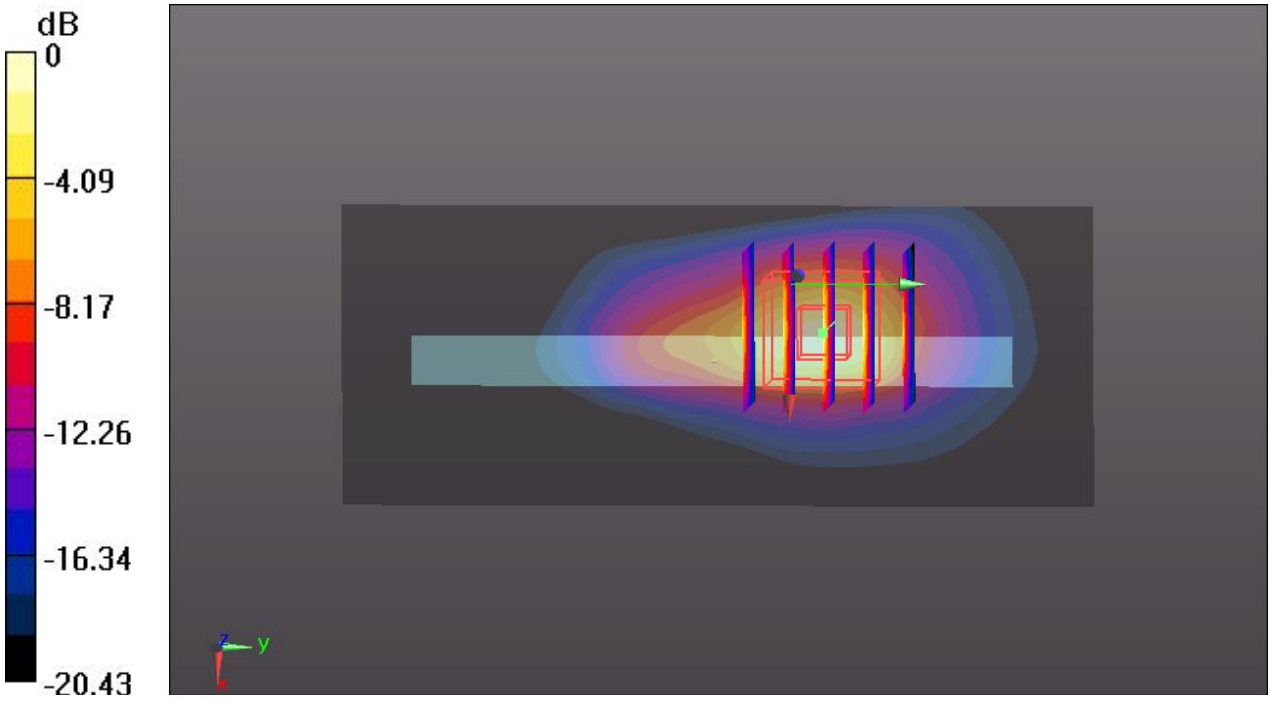
233 LTE Band4_20M_QPSK 100RB 0offset_Edge 3_0cm_Ch20300

Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1745 MHz; σ = 1.509 S/m; ε_r = 53.565; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20300/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.389 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.300 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg

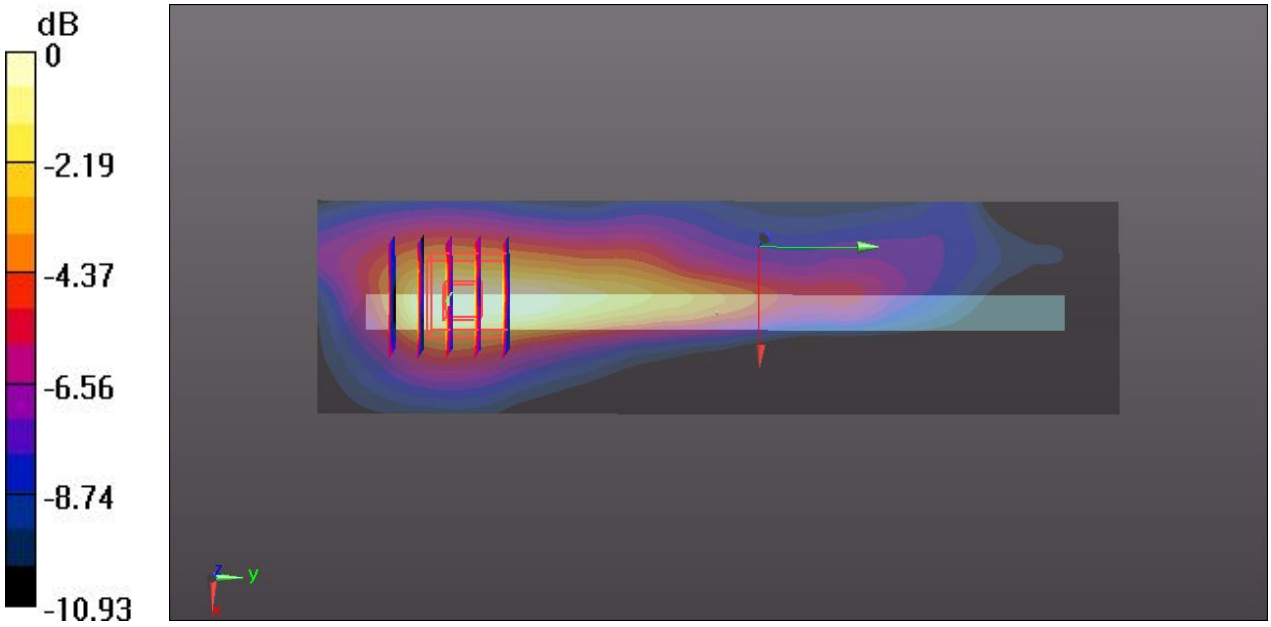
234 LTE Band4_20M_QPSK 100RB 0offset_Edge 4_0cm_Ch20300

Communication System: UID 0, LTE (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_131125 Medium parameters used: f = 1745 MHz; σ = 1.509 S/m; ε_r = 53.565; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(7.18, 7.18, 7.18); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20300/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.107 W/kg

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.968 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.128 W/kg
SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.047 W/kg
Maximum value of SAR (measured) = 0.105 W/kg



0 dB = 0.105 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

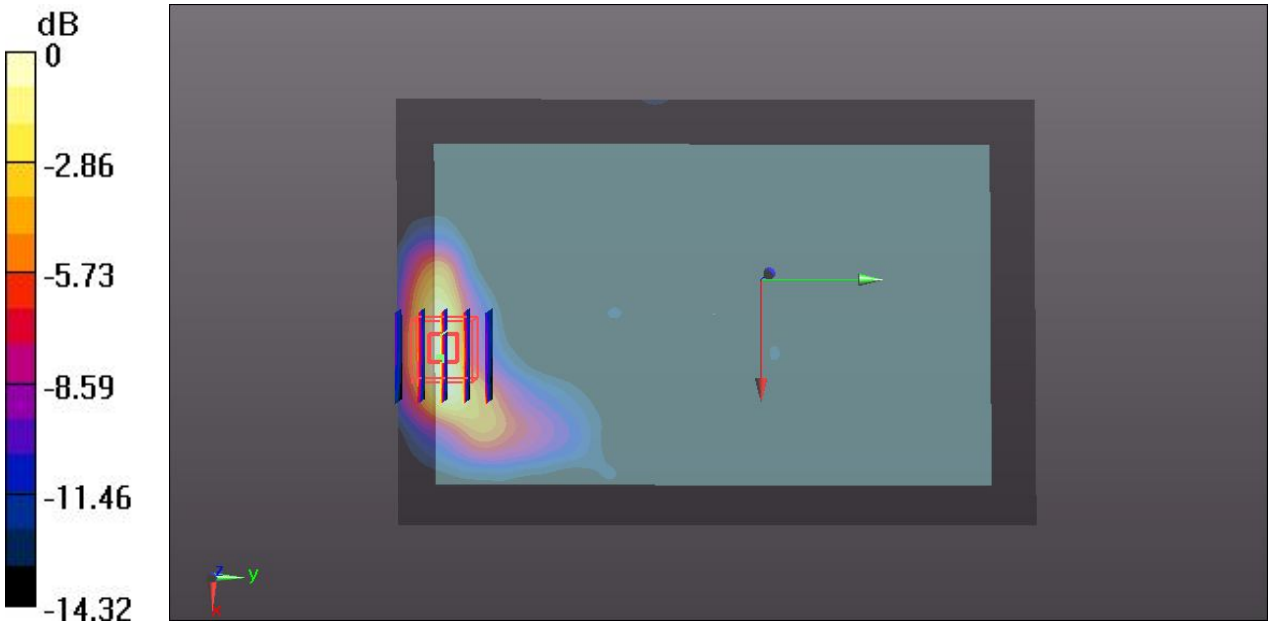
91 LTE Band2_20M_QPSK 1RB 0offset_Bottom Face_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (101x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.01 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.149 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.332 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

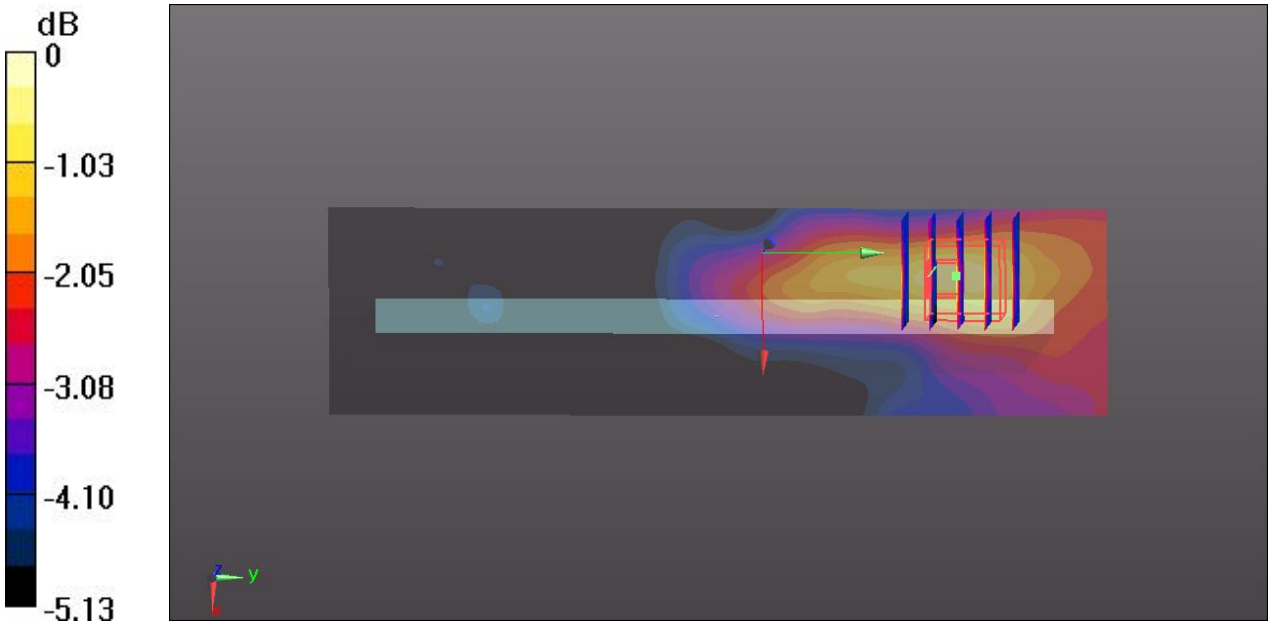
92 LTE Band2_20M_QPSK 1RB 0offset_Edge 2_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0163 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.563 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0230 W/kg
SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.010 W/kg
Maximum value of SAR (measured) = 0.0176 W/kg



0 dB = 0.0176 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

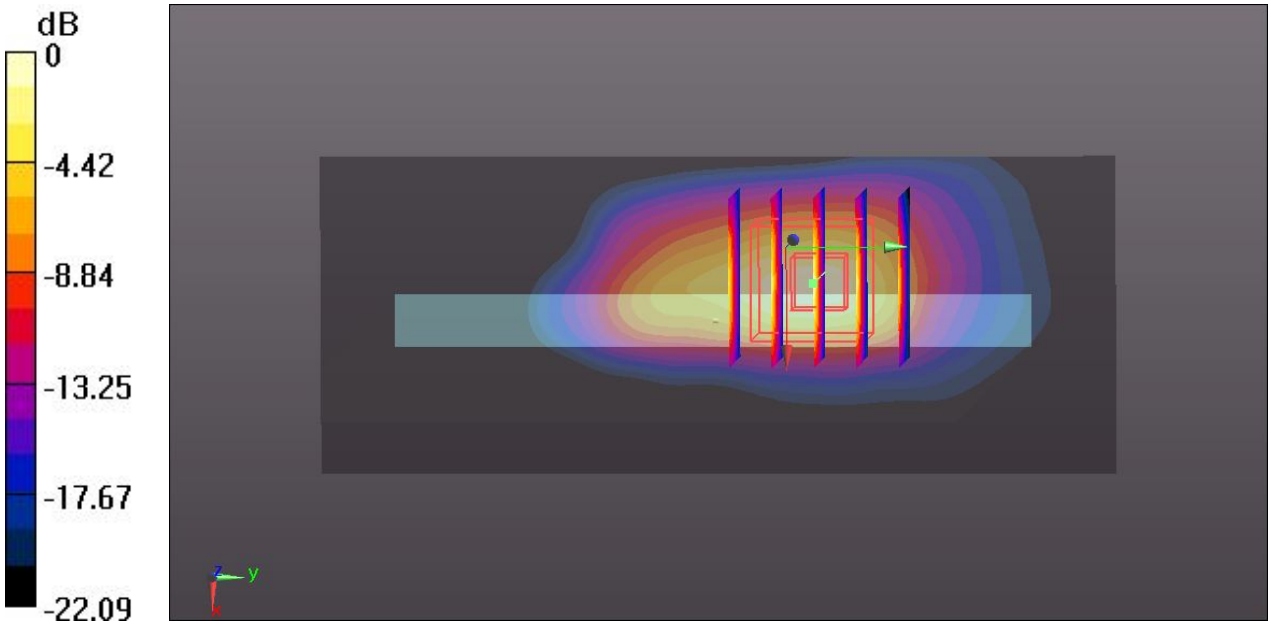
93 LTE Band2_20M_QPSK 1RB 0offset_Edge 3_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.21 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.026 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.341 W/kg
Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg

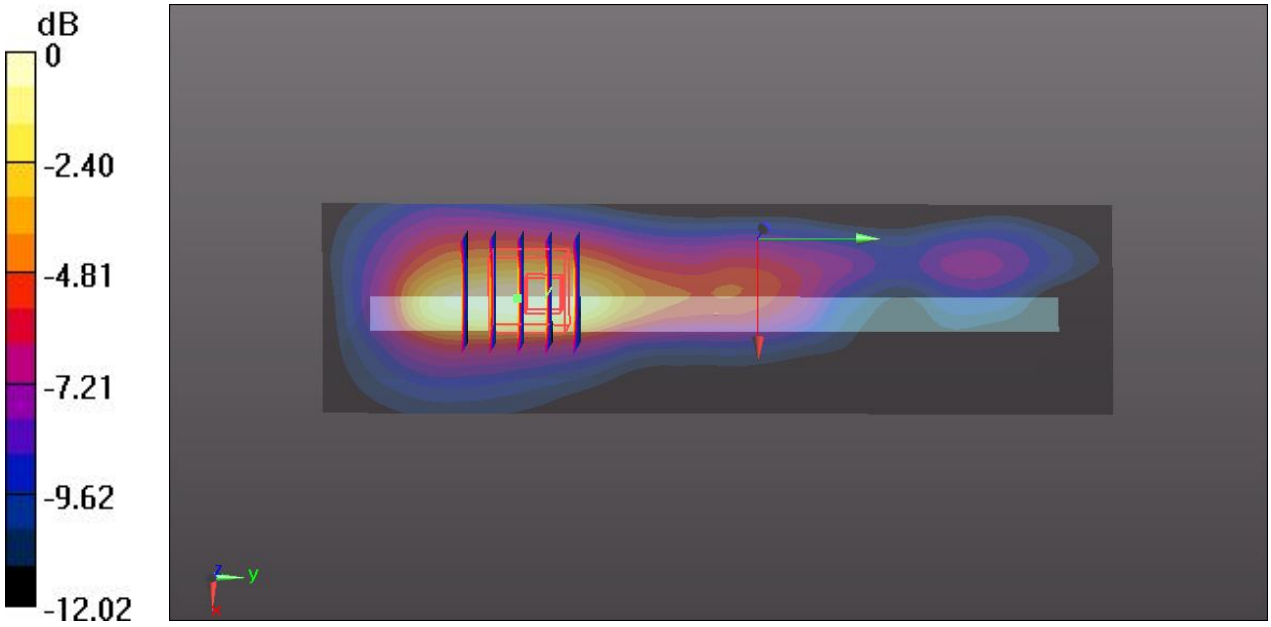
94 LTE Band2_20M_QPSK 1RB 0offset_Edge 4_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.146 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.965 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.187 W/kg
SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.056 W/kg
Maximum value of SAR (measured) = 0.145 W/kg



0 dB = 0.145 W/kg

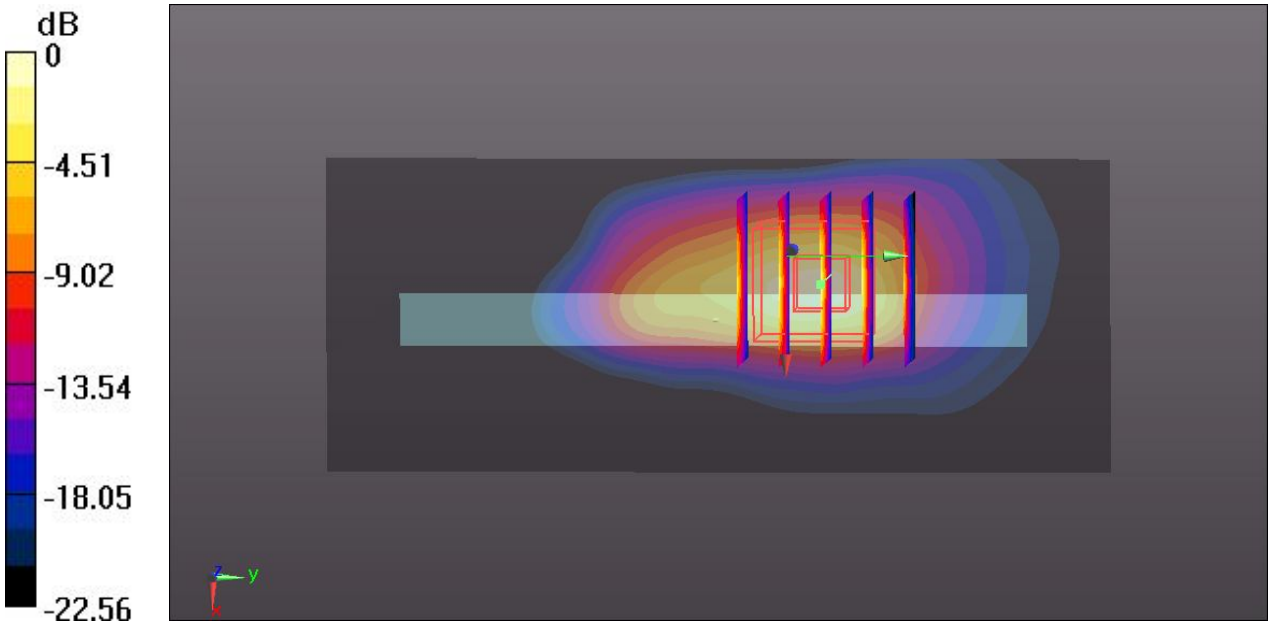
95 LTE Band2_20M_QPSK 1RB 0offset_Edge 3_0cm_Ch18700

Communication System: UID 0, LTE (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1860 MHz; σ = 1.48 S/m; ε_r = 54.807; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18700/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.162 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.422 W/kg
Maximum value of SAR (measured) = 1.64 W/kg



0 dB = 1.64 W/kg

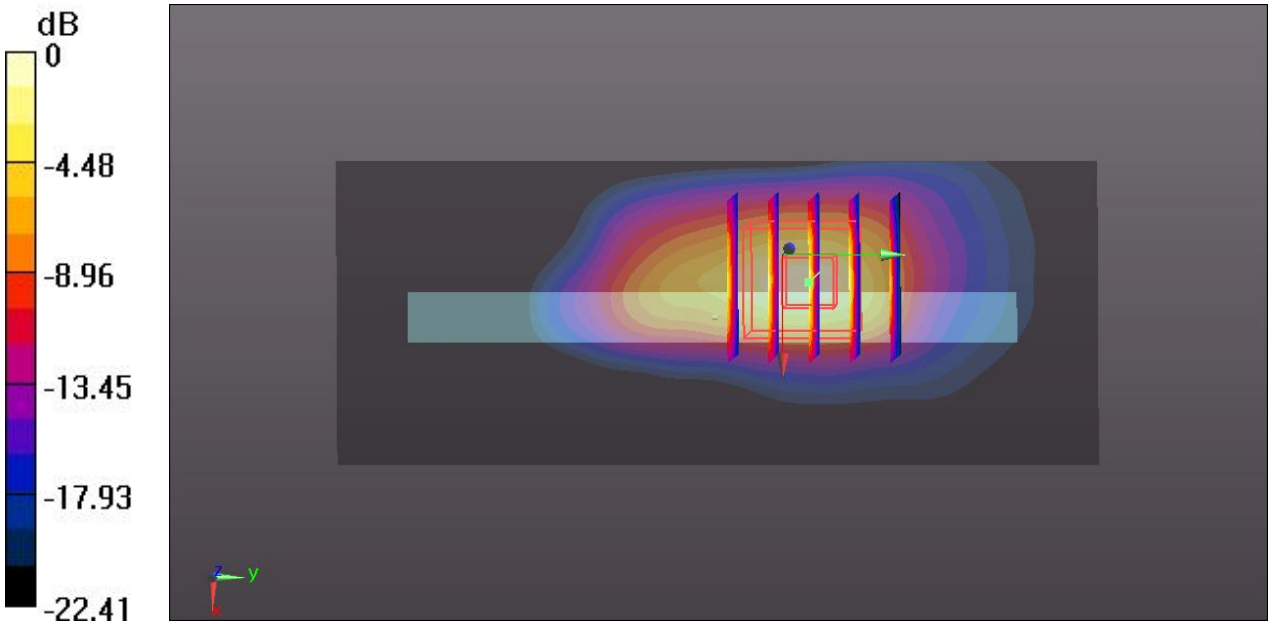
97 LTE Band2_20M_QPSK 1RB 0offset_Edge 3_0cm_Ch18700_Repeat SAR

Communication System: UID 0, LTE (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1860 MHz; σ = 1.48 S/m; ε_r = 54.807; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18700/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.49 W/kg

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.174 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 0.980 W/kg; SAR(10 g) = 0.424 W/kg
Maximum value of SAR (measured) = 1.67 W/kg



0 dB = 1.67 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

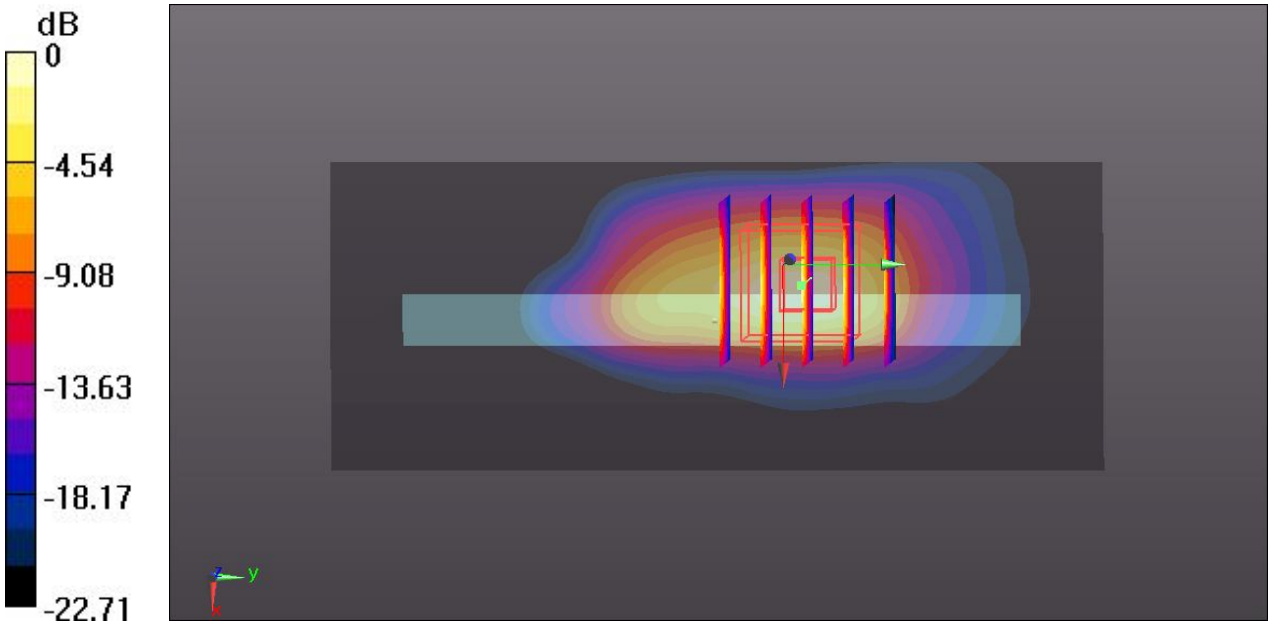
96 LTE Band2_20M_QPSK 1RB 99offset_Edge 3_0cm_Ch19100

Communication System: UID 0, LTE (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1900 MHz; σ = 1.533 S/m; ε_r = 54.611; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch19100/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.16 W/kg

Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.747 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.77 W/kg
SAR(1 g) = 0.793 W/kg; SAR(10 g) = 0.340 W/kg
Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg

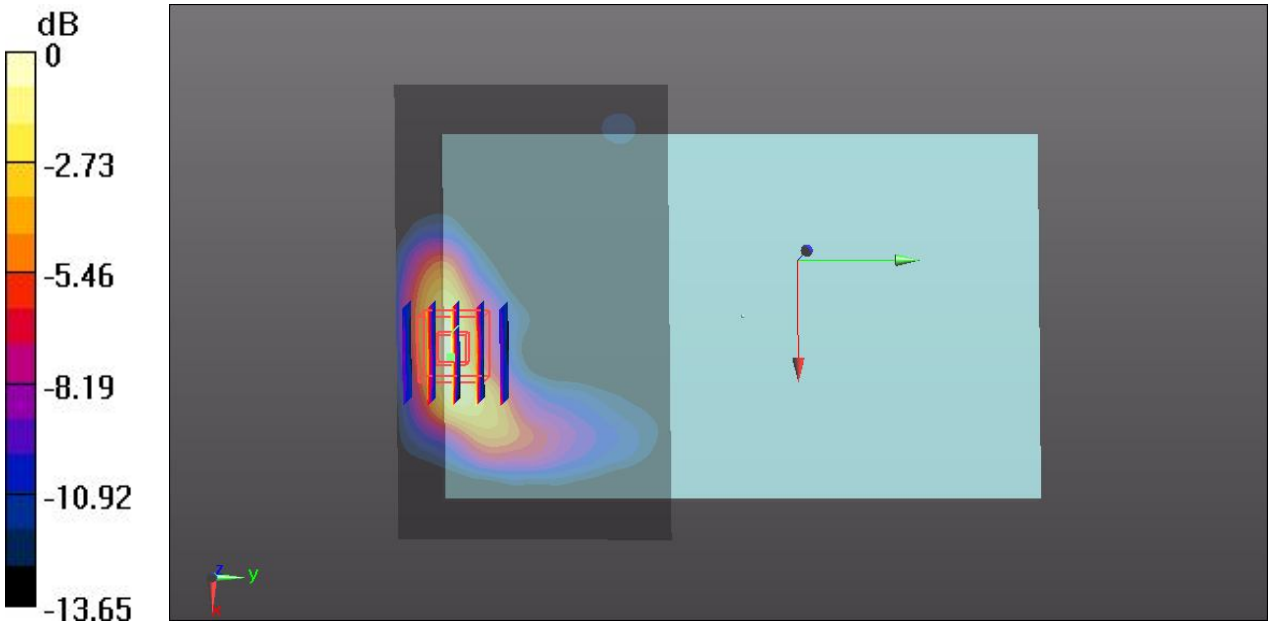
101 LTE Band2_20M_QPSK 50RB 24offset_Bottom Face_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.864 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.984 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.297 W/kg
Maximum value of SAR (measured) = 0.896 W/kg



0 dB = 0.896 W/kg

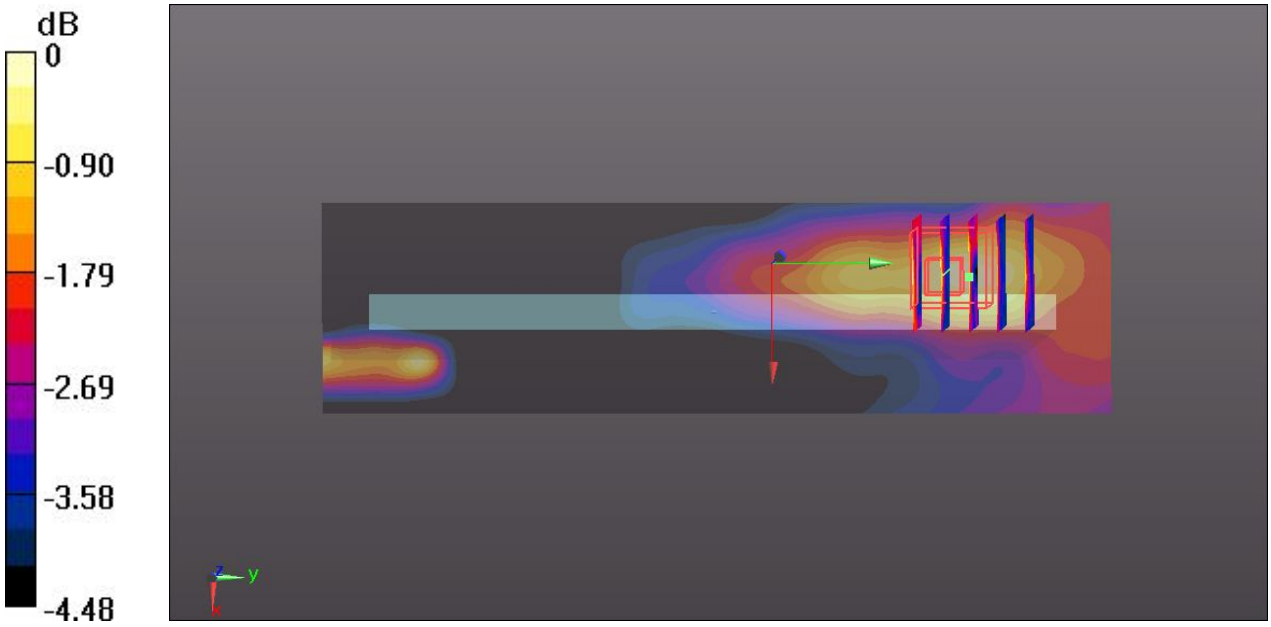
102 LTE Band2_20M_QPSK 50RB 24offset_Edge 2_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0150 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.459 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.0180 W/kg
SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00945 W/kg
Maximum value of SAR (measured) = 0.0154 W/kg



0 dB = 0.0154 W/kg

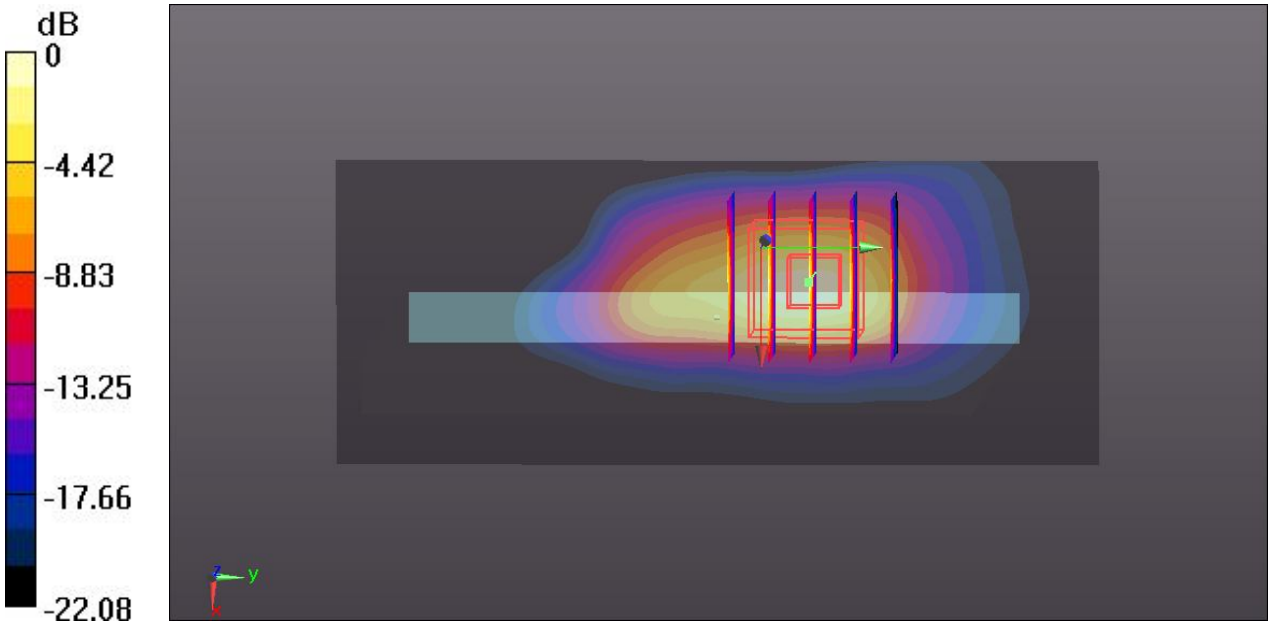
103 LTE Band2_20M_QPSK 50RB 24offset_Edge 3_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.987 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.731 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.288 W/kg
Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg

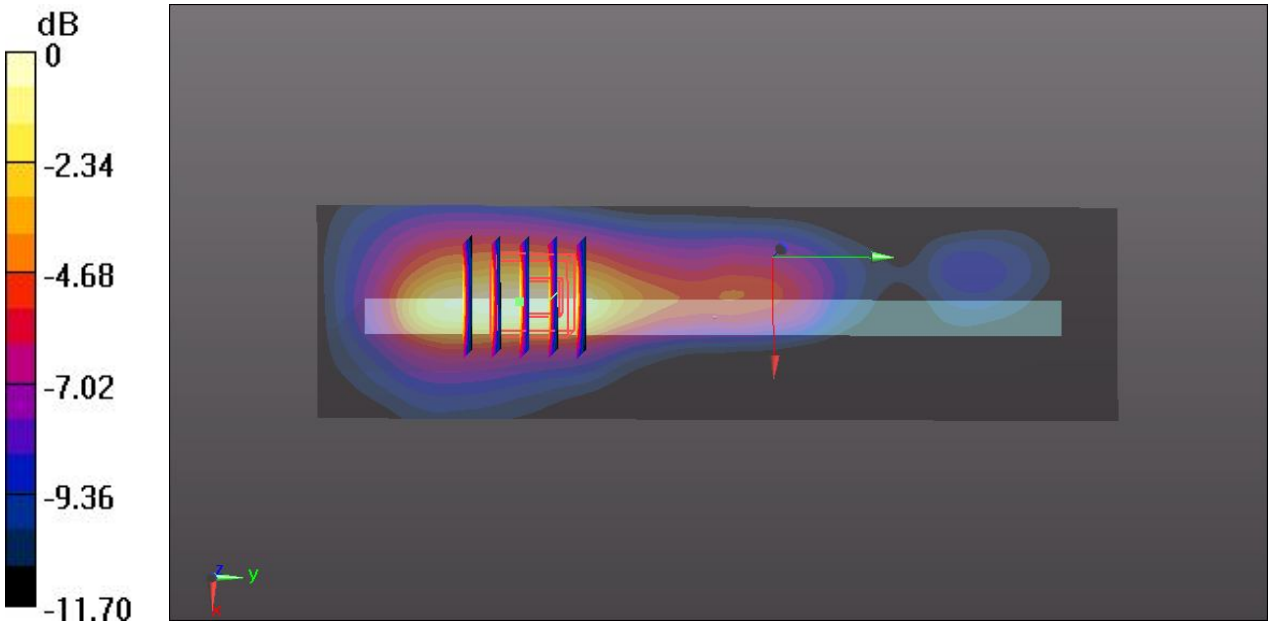
104 LTE Band2_20M_QPSK 50RB 24offset_Edge 4_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.118 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.862 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.158 W/kg
SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.048 W/kg
Maximum value of SAR (measured) = 0.123 W/kg



0 dB = 0.123 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

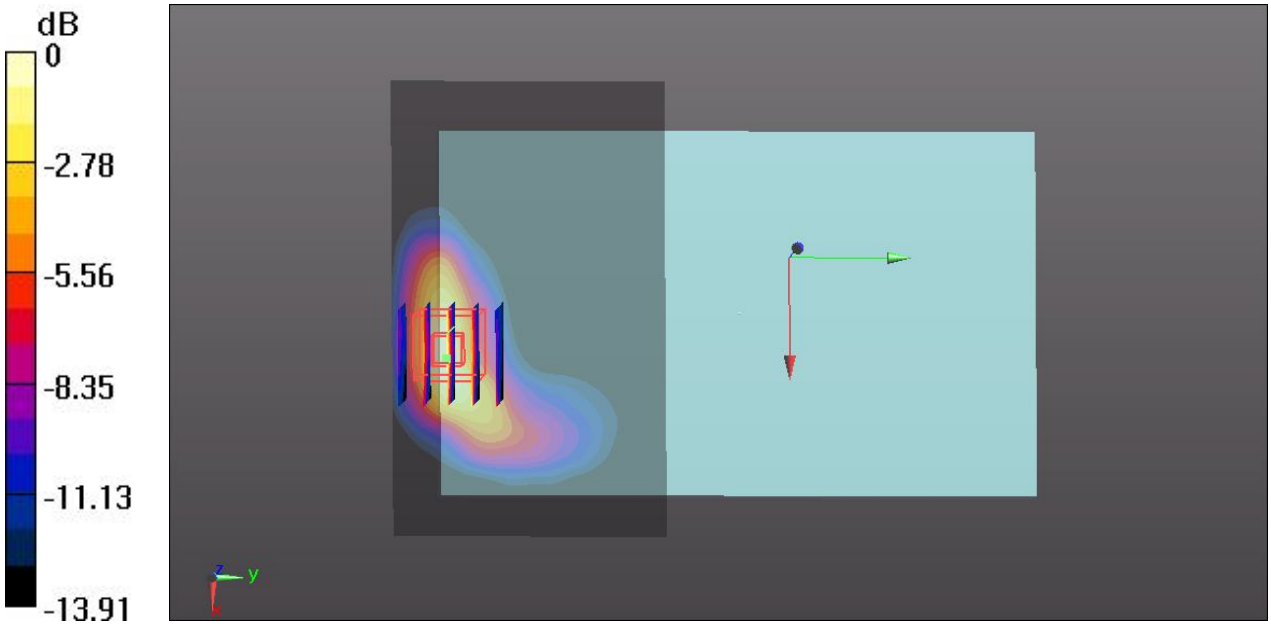
111 LTE Band2_20M_QPSK 100RB 0offset_Bottom Face_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (101x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.891 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.286 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.307 W/kg
Maximum value of SAR (measured) = 0.920 W/kg



0 dB = 0.920 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.17

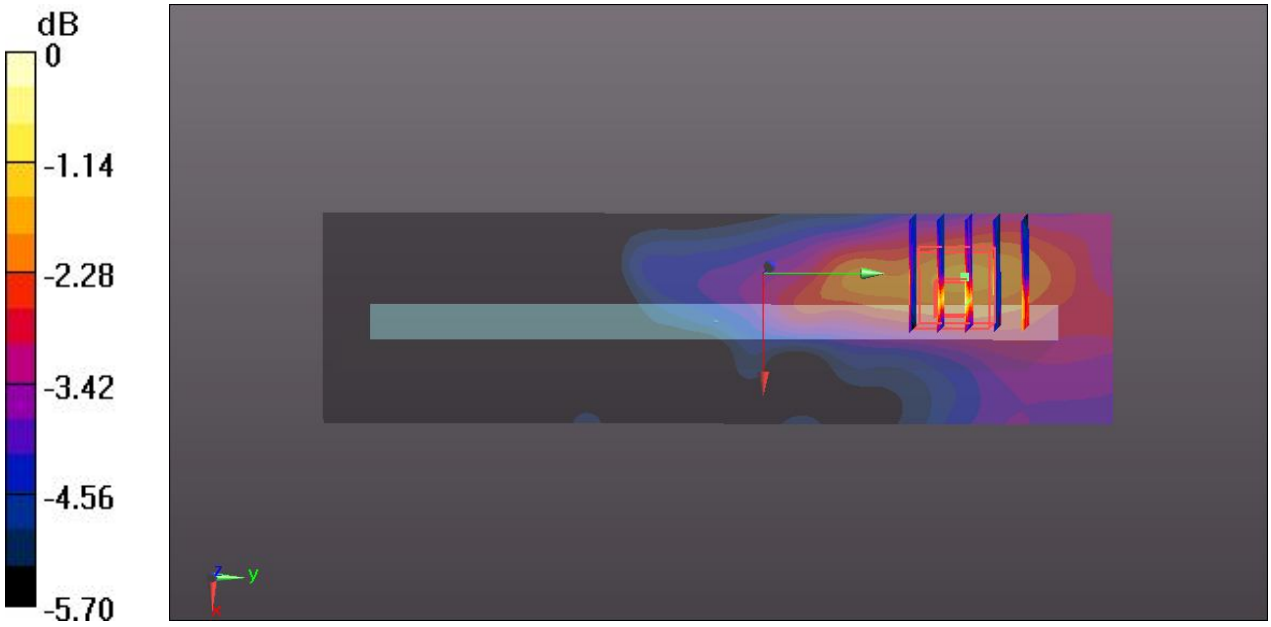
112 LTE Band2_20M_QPSK 100RB 0offset_Edge 2_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0147 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.585 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0280 W/kg
SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.011 W/kg
Maximum value of SAR (measured) = 0.0200 W/kg



0 dB = 0.0200 W/kg

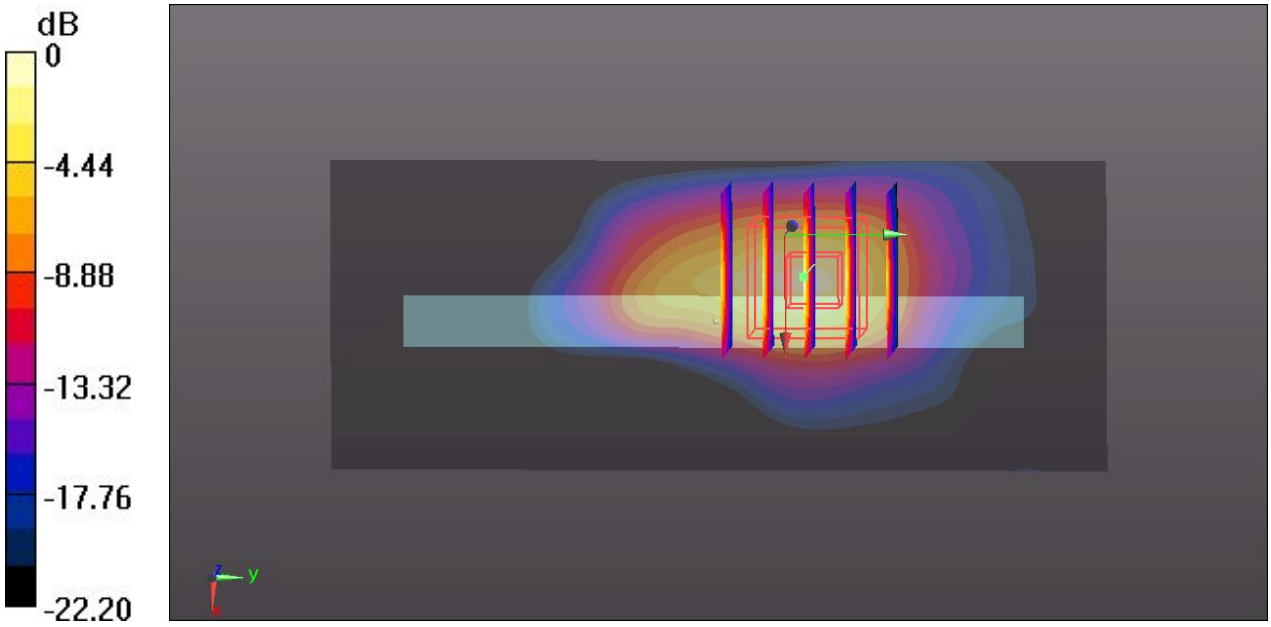
113 LTE Band2_20M_QPSK 100RB 0offset_Edge 3_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (41x101x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.894 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.600 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.690 W/kg; SAR(10 g) = 0.294 W/kg
Maximum value of SAR (measured) = 1.14 W/kg



0 dB = 1.14 W/kg

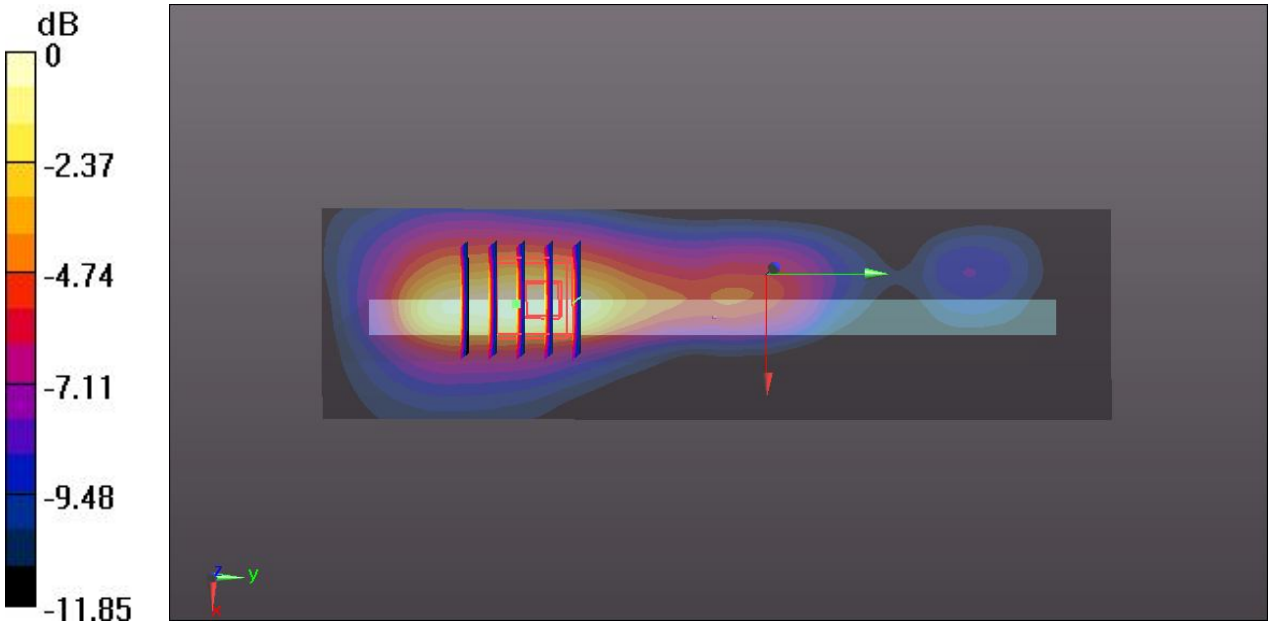
114 LTE Band2_20M_QPSK 100RB 0offset_Edge 4_0cm_Ch18900

Communication System: UID 0, LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_131117 Medium parameters used: f = 1880 MHz; σ = 1.507 S/m; ε_r = 54.733; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.78, 6.78, 6.78); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch18900/Area Scan (41x151x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.123 W/kg

Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.916 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.164 W/kg
SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.049 W/kg
Maximum value of SAR (measured) = 0.126 W/kg



0 dB = 0.126 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

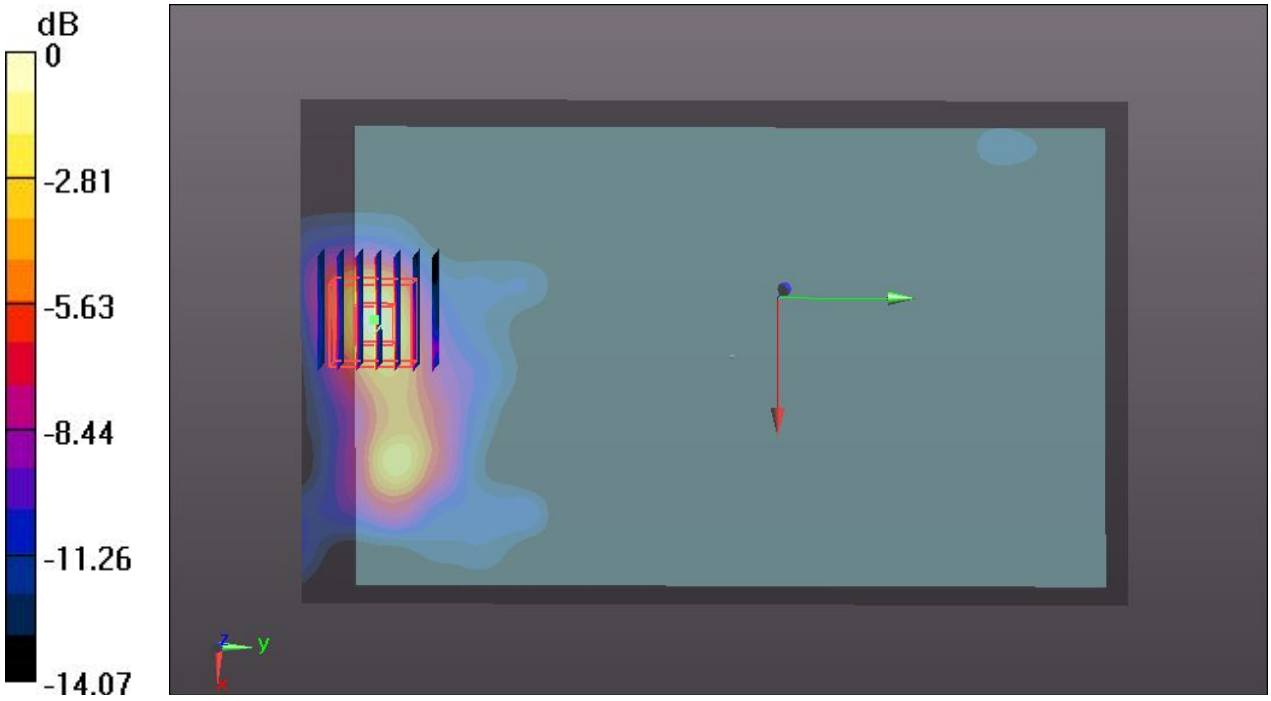
171 LTE Band 7_20M_QPSK 1RB 99offset_Bottom Face_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (111x181x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.624 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.750 W/kg; SAR(10 g) = 0.300 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg

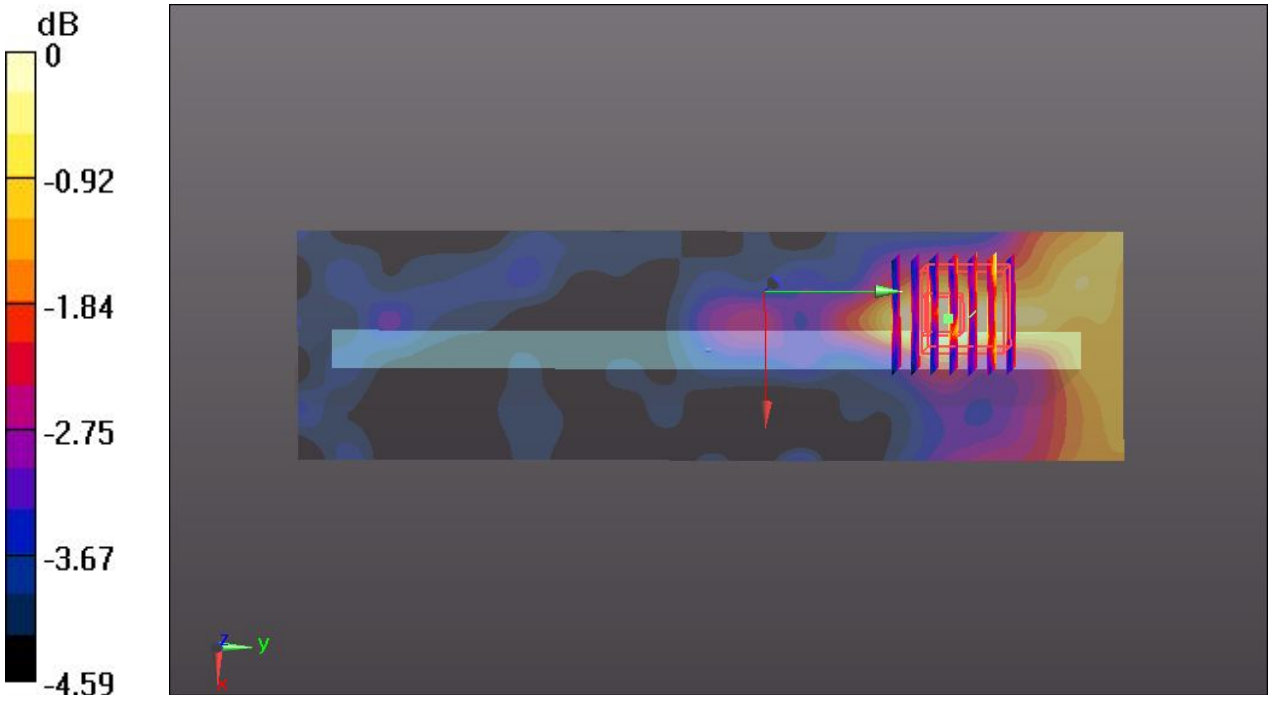
172 LTE Band 7_20M_QPSK 1RB 99offset_Edge 2_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (51x181x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0284 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.054 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0460 W/kg
SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.015 W/kg
Maximum value of SAR (measured) = 0.0253 W/kg



0 dB = 0.0253 W/kg

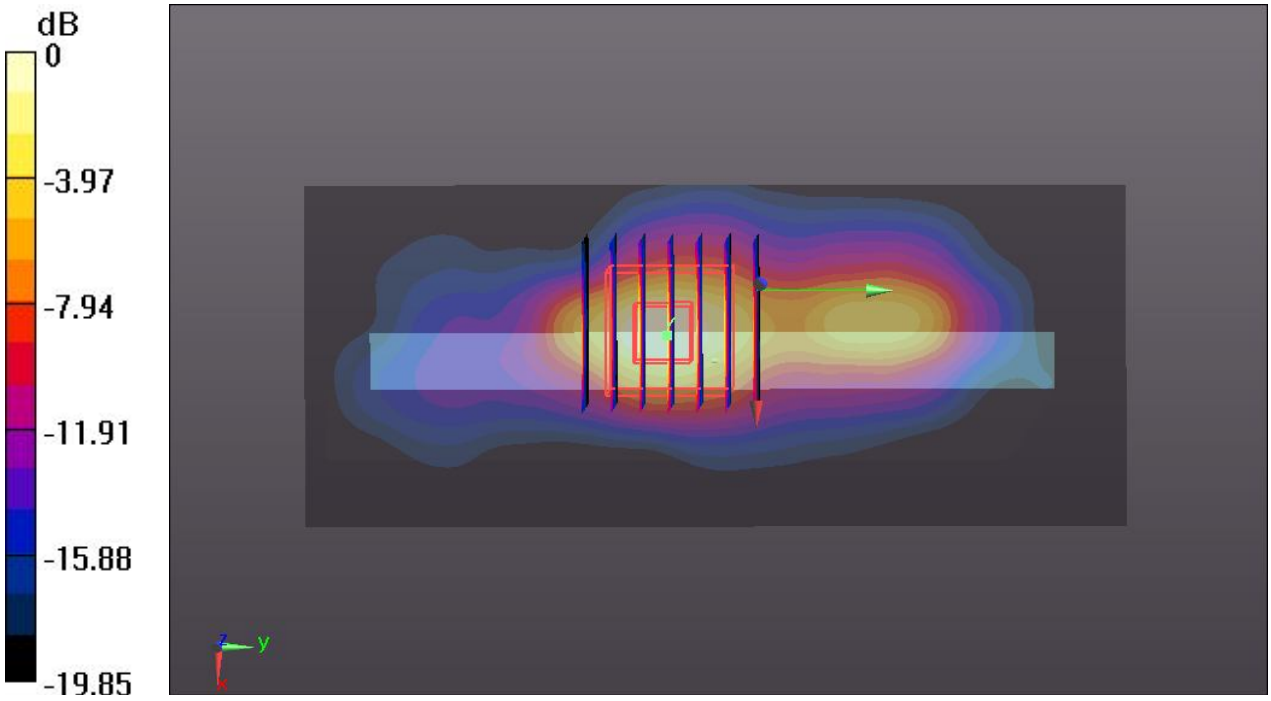
173 LTE Band 7_20M_QPSK 1RB 99offset_Edge 3_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (51x121x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.05 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.773 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.211 W/kg
Maximum value of SAR (measured) = 0.942 W/kg



0 dB = 0.942 W/kg

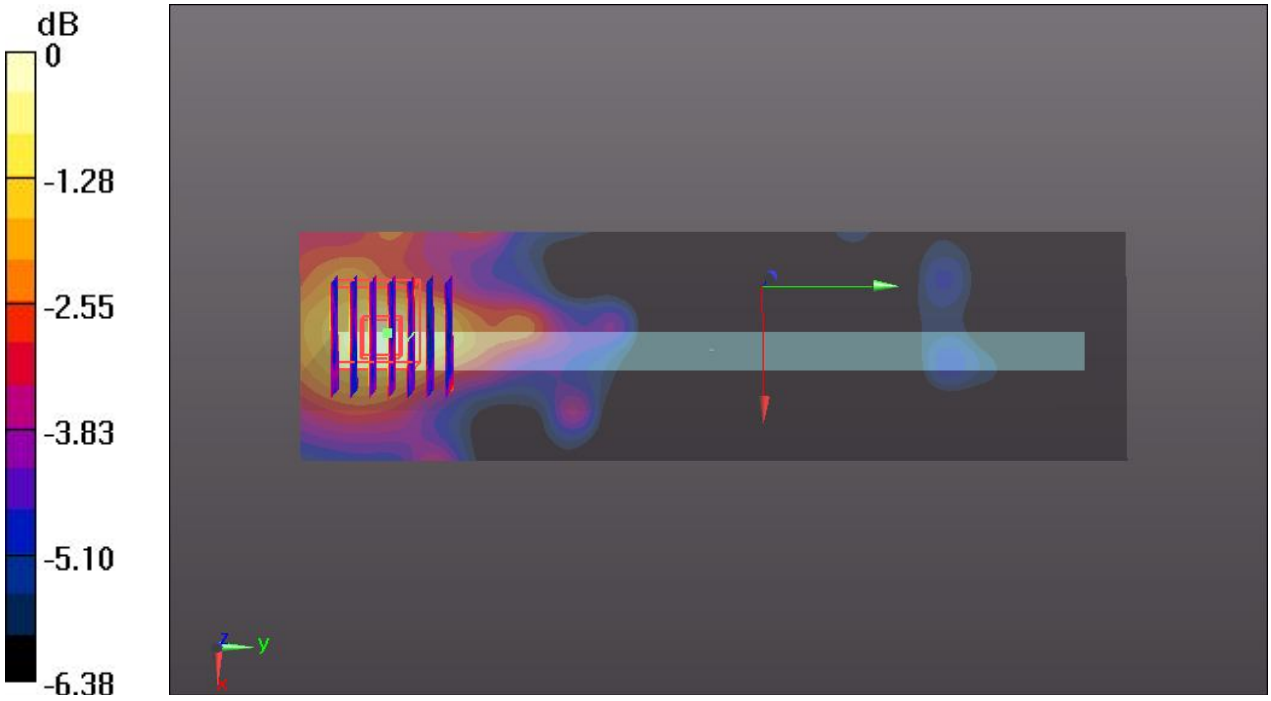
174 LTE Band 7_20M_QPSK 1RB 99offset_Edge 4_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (51x181x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0255 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.310 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.0510 W/kg
SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.013 W/kg
Maximum value of SAR (measured) = 0.0262 W/kg



0 dB = 0.0262 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

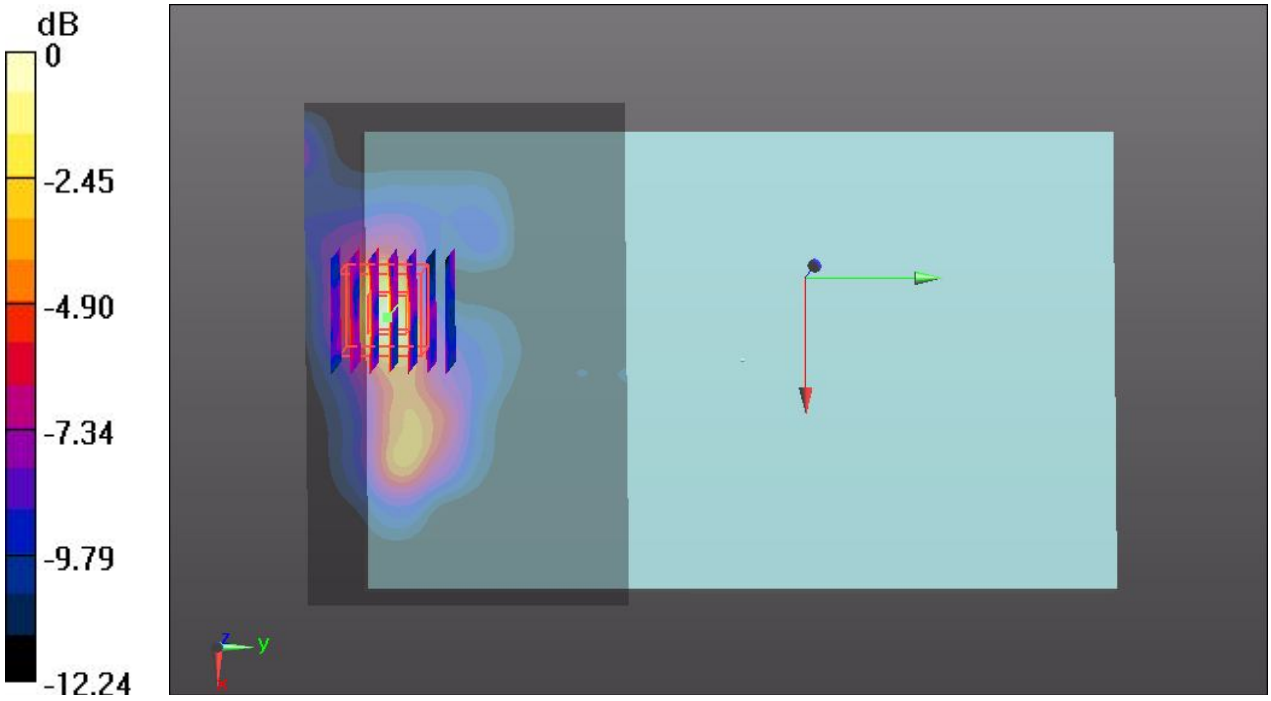
175 LTE Band 7_20M_QPSK 1RB 99offset_Bottom Face_0cm_Ch20890

Communication System: UID 0, LTE (0); Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2514 MHz; σ = 2.105 S/m; ε_r = 51.284; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20890/Area Scan (111x71x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.02 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.955 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.309 W/kg
Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg

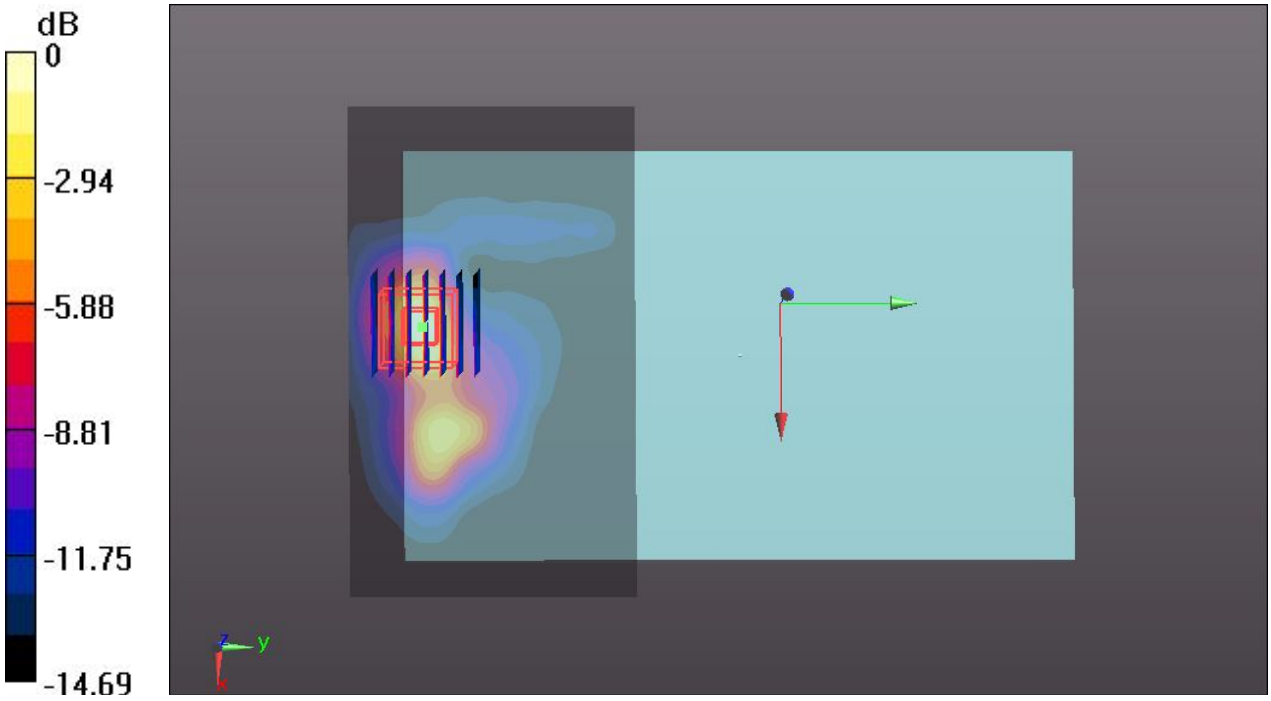
181 LTE Band 7_20M_QPSK 50RB 49offset_Bottom Face_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (121x71x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.41 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.986 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.15 W/kg
SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.317 W/kg
Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.37 W/kg

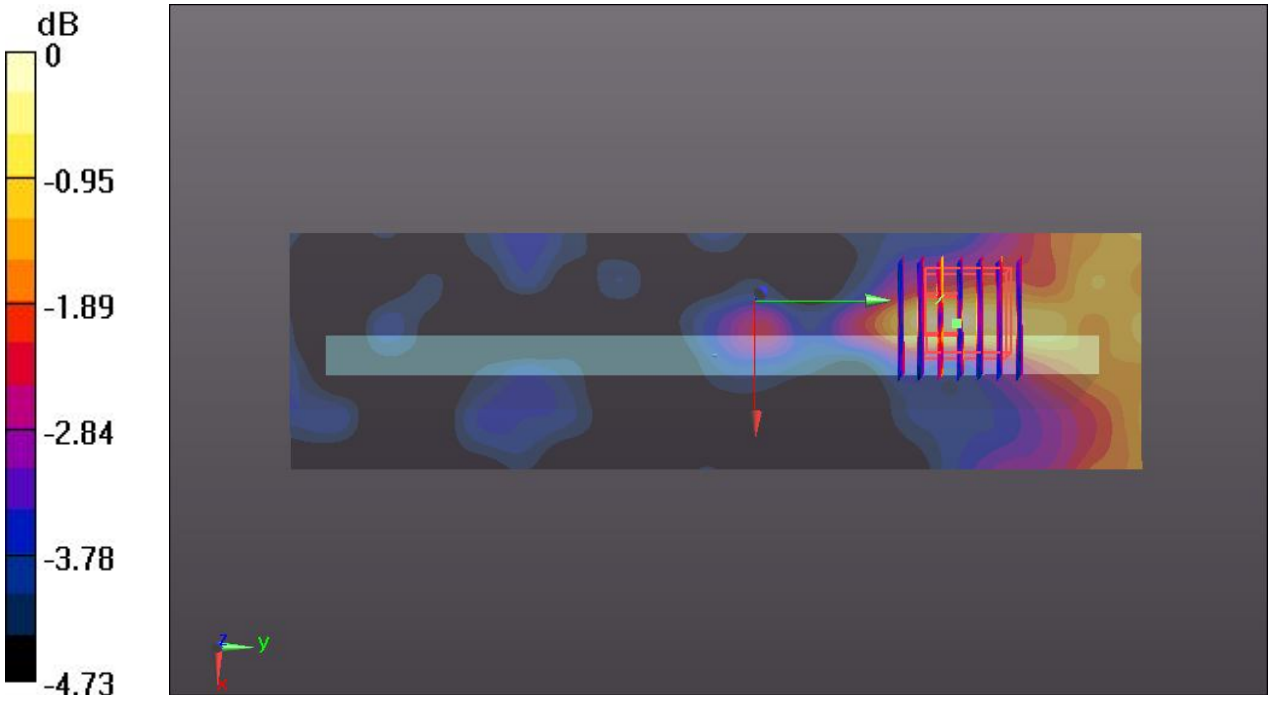
182 LTE Band 7_20M_QPSK 50RB 49offset_Edge 2_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (51x181x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0268 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.116 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.0500 W/kg
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.015 W/kg
Maximum value of SAR (measured) = 0.0277 W/kg



0 dB = 0.0277 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

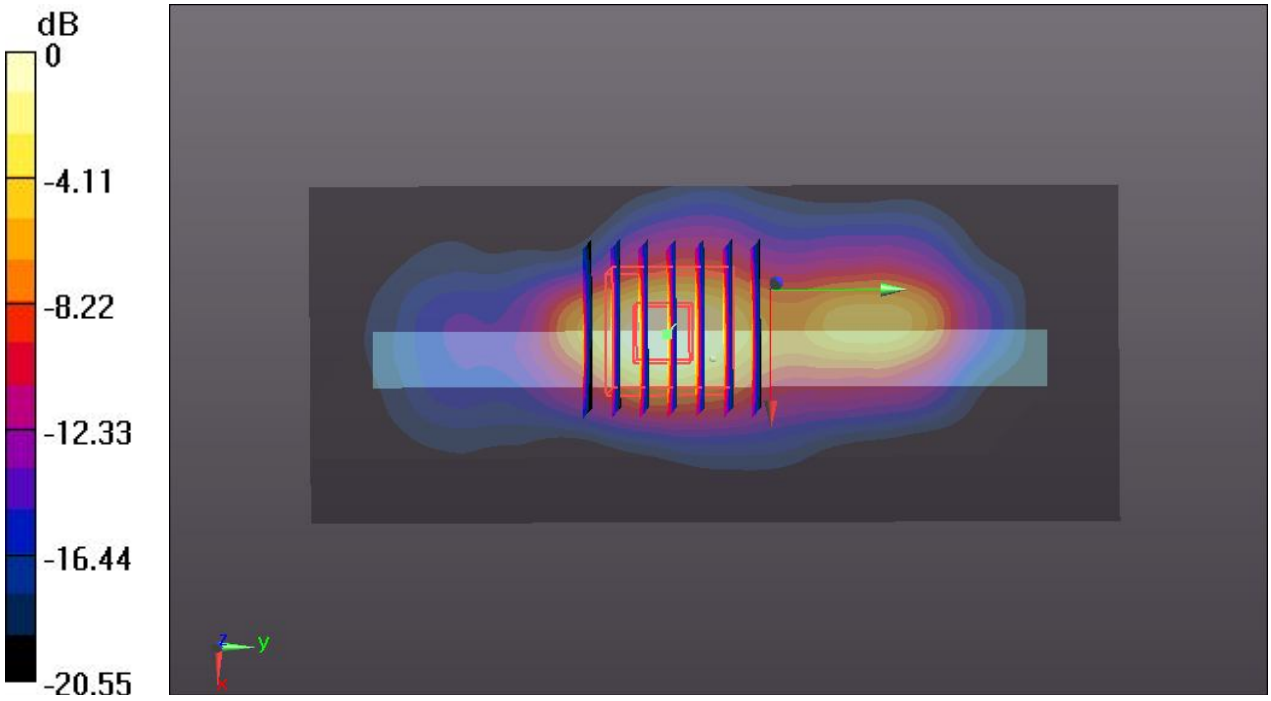
183 LTE Band 7_20M_QPSK 50RB 49offset_Edge 3_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (51x121x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.11 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.633 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.224 W/kg
Maximum value of SAR (measured) = 1.00 W/kg



0 dB = 1.00 W/kg

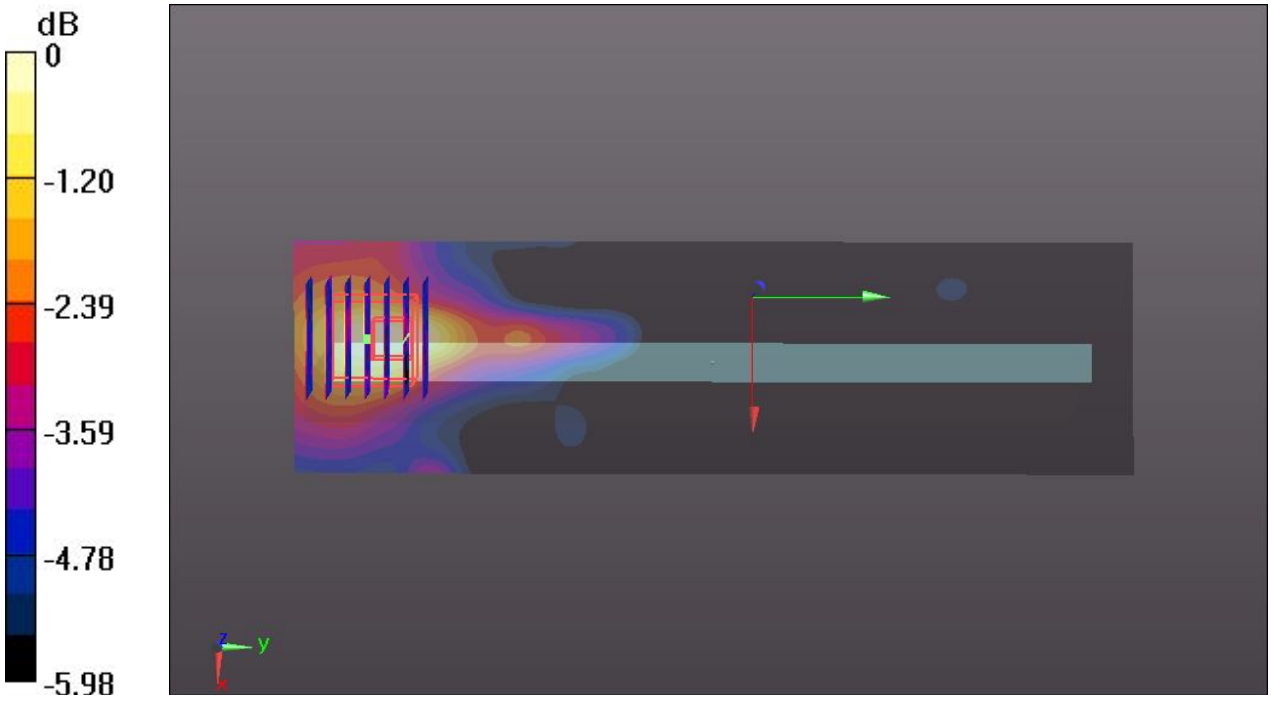
184 LTE Band 7_20M_QPSK 50RB 49offset_Edge 4_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (51x181x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0265 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.293 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.0550 W/kg
SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.013 W/kg
Maximum value of SAR (measured) = 0.0269 W/kg



0 dB = 0.0269 W/kg

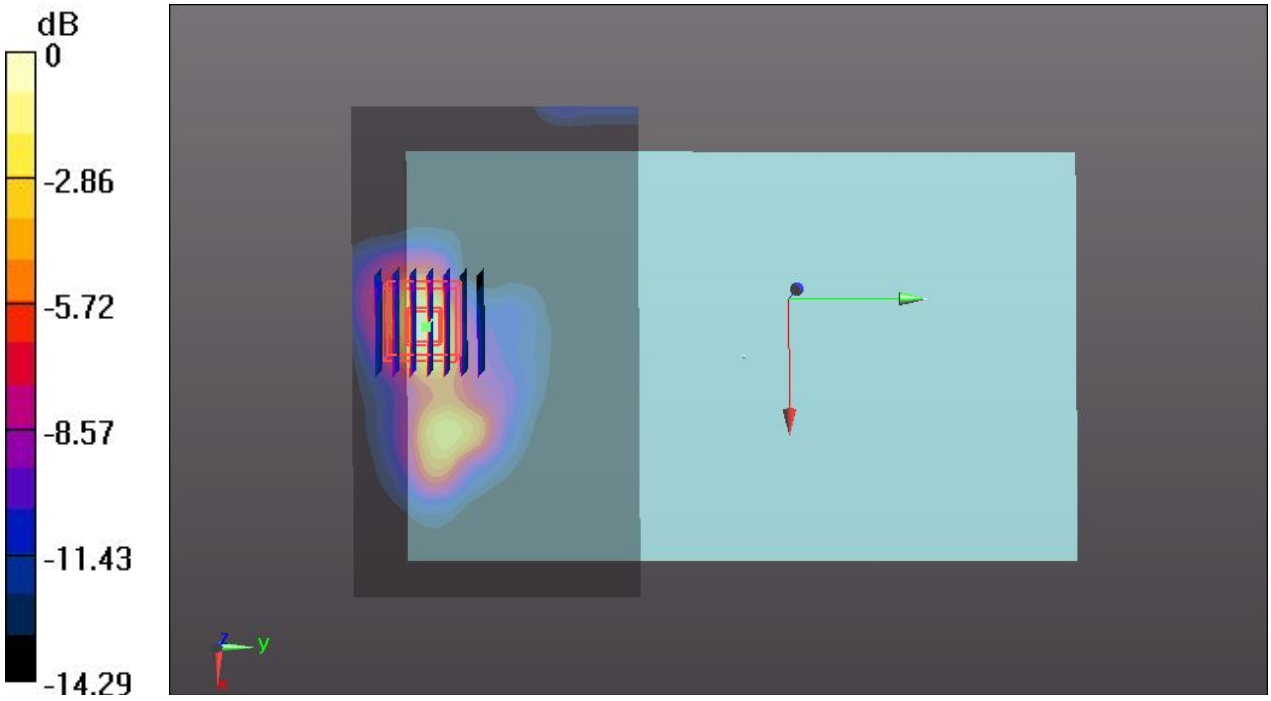
185 LTE Band 7_20M_QPSK 50RB 49offset_Bottom Face_0cm_Ch20890

Communication System: UID 0, LTE (0); Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2514 MHz; σ = 2.105 S/m; ε_r = 51.284; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch20890/Area Scan (121x71x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.33 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.742 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.06 W/kg
SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.310 W/kg
Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg

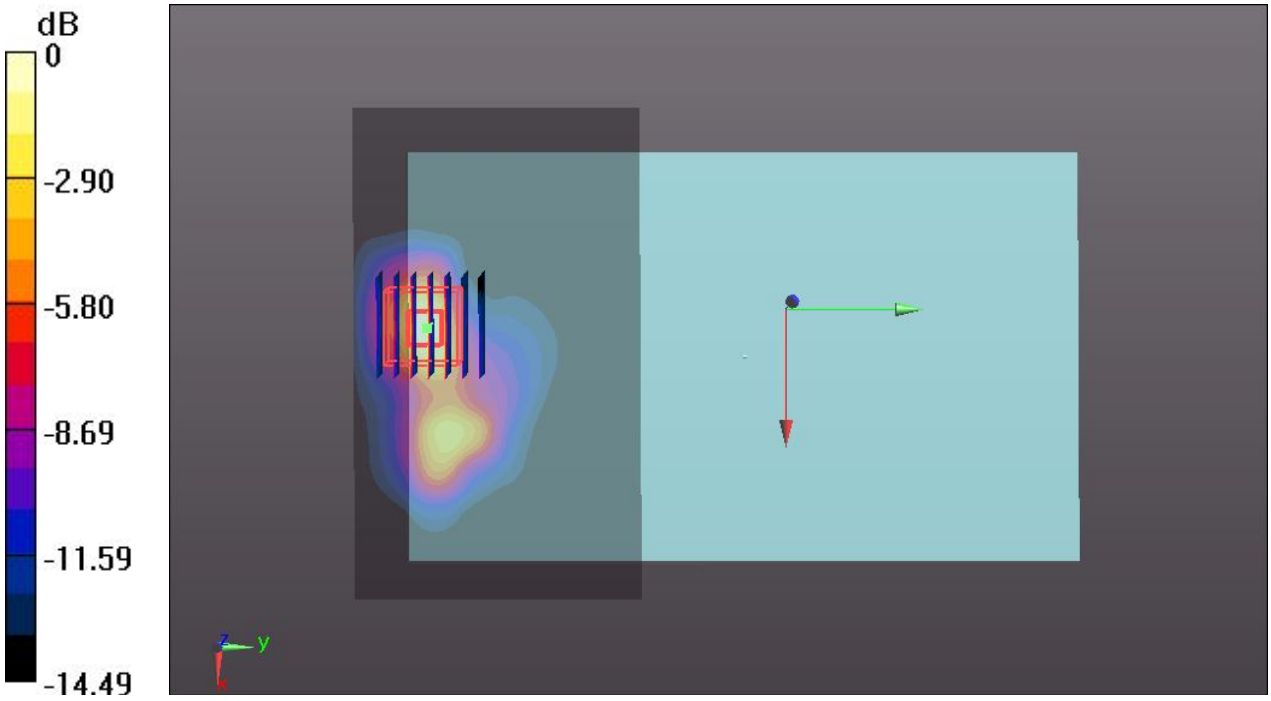
191 LTE Band 7_20M_QPSK 100RB 0offset_Bottom Face_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (121x71x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.36 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.634 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 0.774 W/kg; SAR(10 g) = 0.309 W/kg
Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg

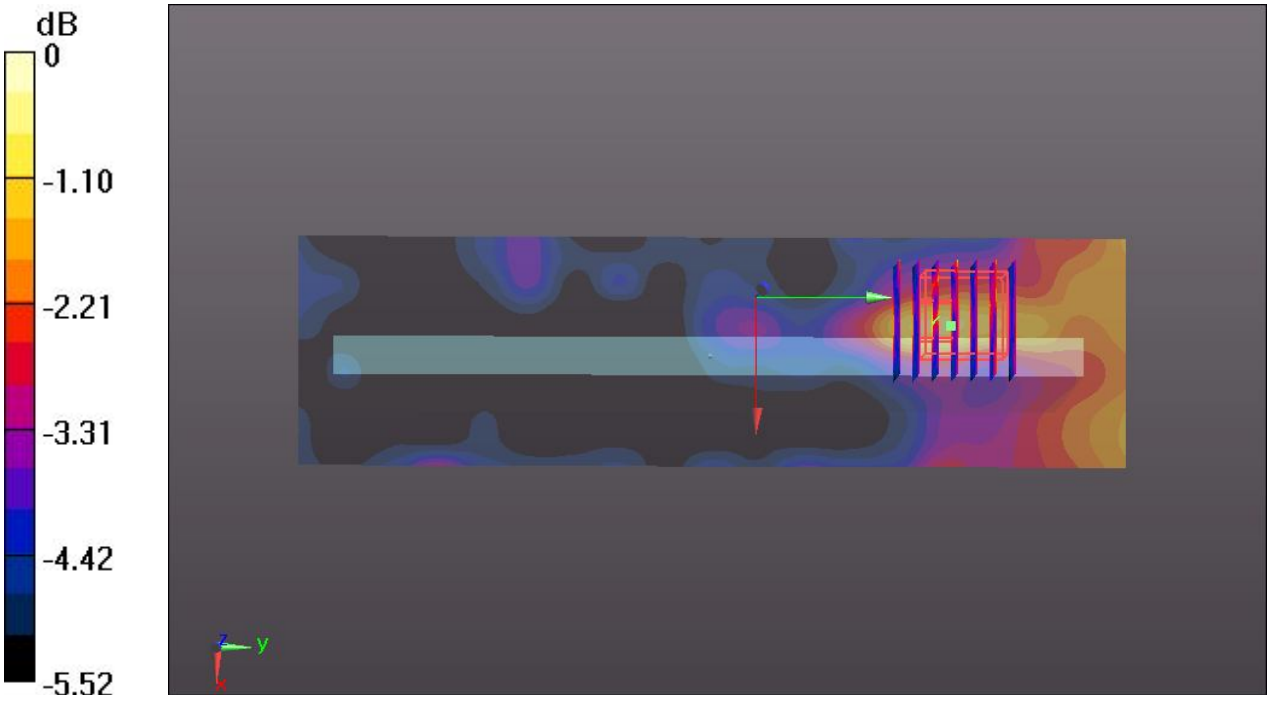
192 LTE Band 7_20M_QPSK 100RB 0offset_Edge 2_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (51x181x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0276 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.126 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0610 W/kg
SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.016 W/kg
Maximum value of SAR (measured) = 0.0316 W/kg



0 dB = 0.0316 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.20

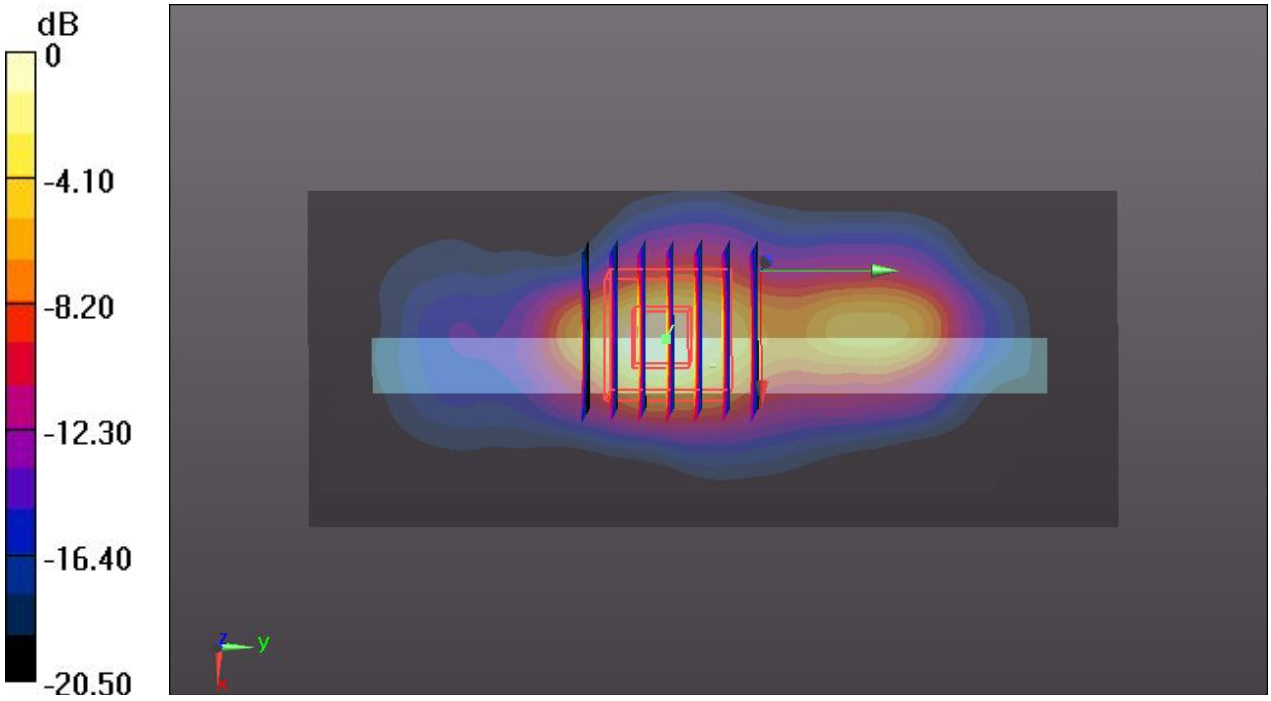
193 LTE Band 7_20M_QPSK 100RB 0offset_Edge 3_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (51x121x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.593 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.226 W/kg
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg

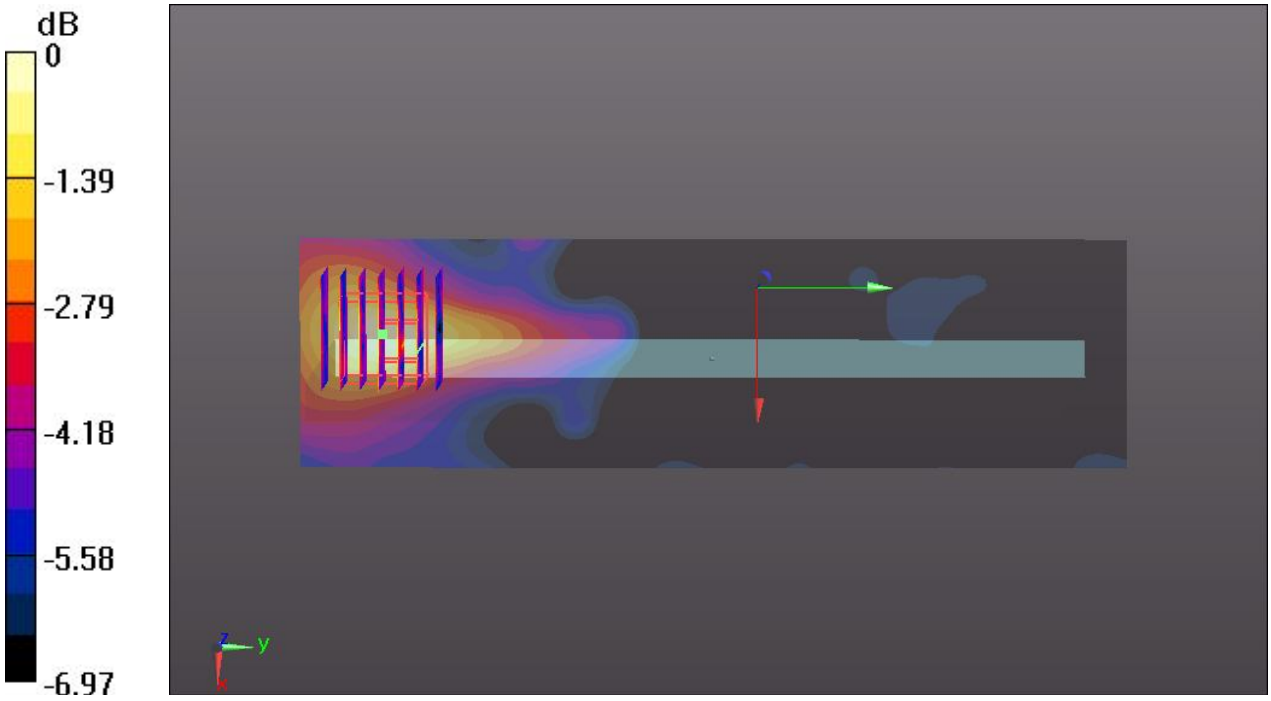
194 LTE Band 7_20M_QPSK 100RB 0offset_Edge 4_0cm_Ch21020

Communication System: UID 0, LTE (0); Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_131120 Medium parameters used: f = 2527 MHz; σ = 2.119 S/m; ε_r = 51.231; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch21020/Area Scan (51x181x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0280 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.248 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0530 W/kg
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.013 W/kg
Maximum value of SAR (measured) = 0.0284 W/kg



0 dB = 0.0284 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.21

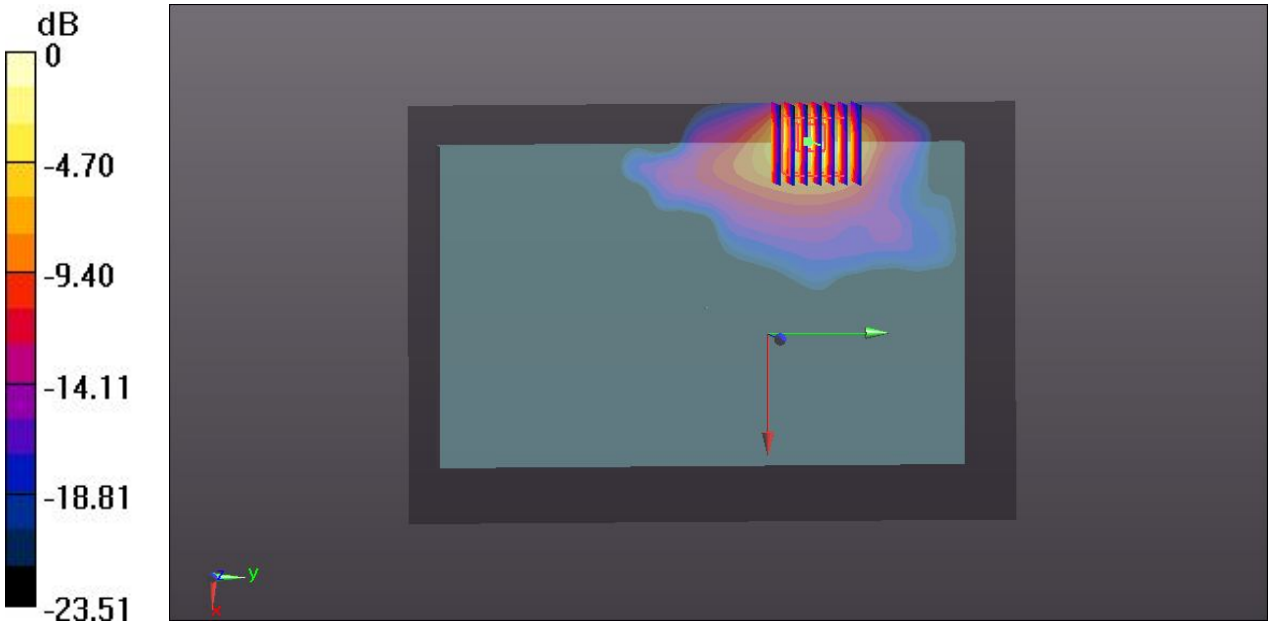
201 WLAN2.4GHz 802.11b_Bottom Face_0cm_Ch11

Communication System: UID 0, WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_131121 Medium parameters used: f = 2462 MHz; σ = 1.964 S/m; ε_r = 51.623; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.31, 6.31, 6.31); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch11/Area Scan (131x191x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.77 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.116 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.56 W/kg
SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.364 W/kg
Maximum value of SAR (measured) = 1.58 W/kg



0 dB = 1.58 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.21

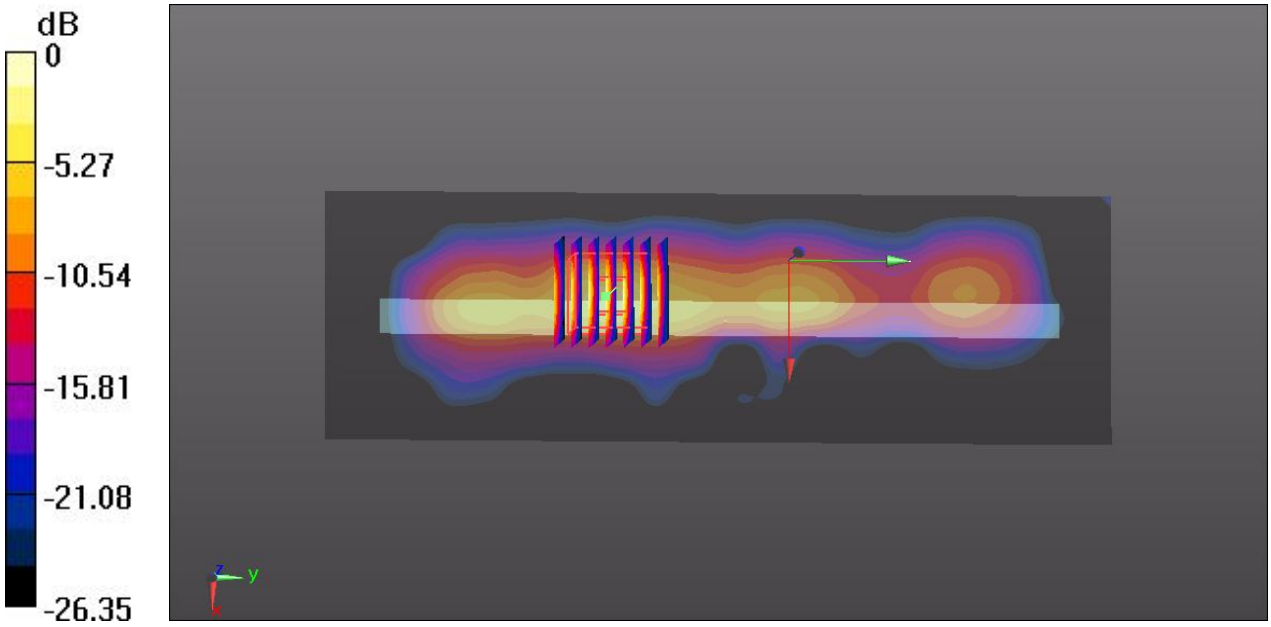
202 WLAN2.4GHz 802.11b_Edge 2_0cm_Ch11

Communication System: UID 0, WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_131121 Medium parameters used: f = 2462 MHz; σ = 1.964 S/m; ε_r = 51.623; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.31, 6.31, 6.31); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch11/Area Scan (61x191x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.588 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.213 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.179 W/kg
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.21

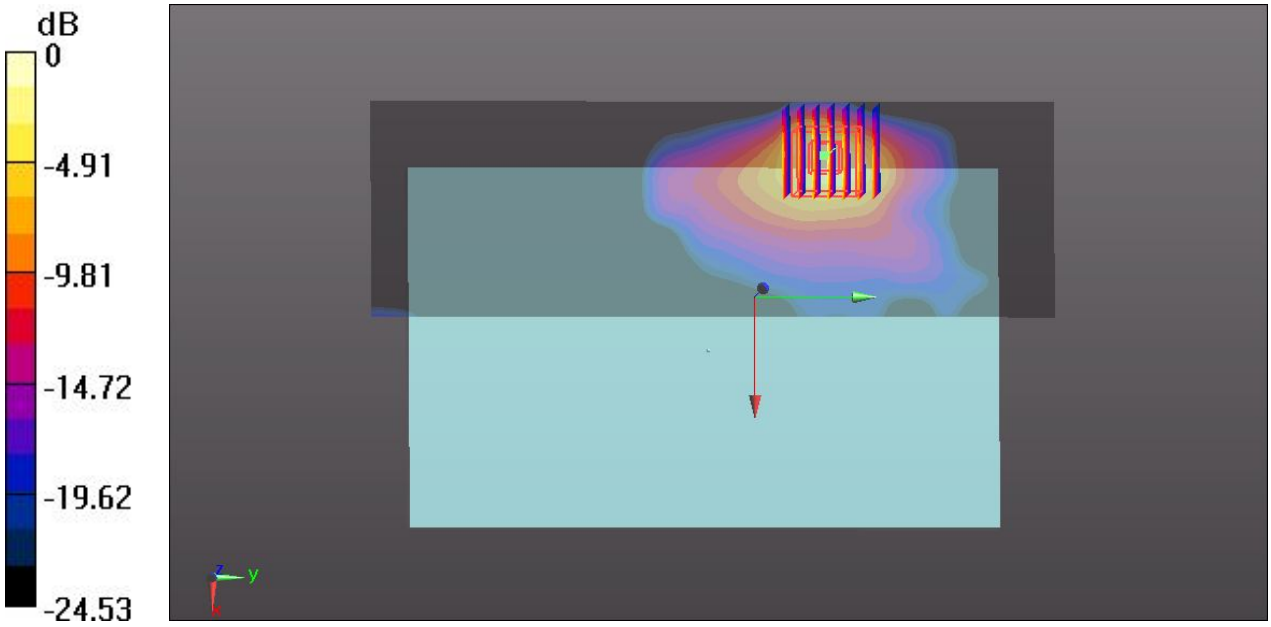
203 WLAN2.4GHz 802.11b_Bottom Face_0cm_Ch1

Communication System: UID 0, WIFI; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: MSL_2450_131121 Medium parameters used: f = 2412 MHz; σ = 1.899 S/m; ε_r = 51.803; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.31, 6.31, 6.31); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch1/Area Scan (61x191x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.086 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.08 W/kg
SAR(1 g) = 0.741 W/kg; SAR(10 g) = 0.293 W/kg
Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.21

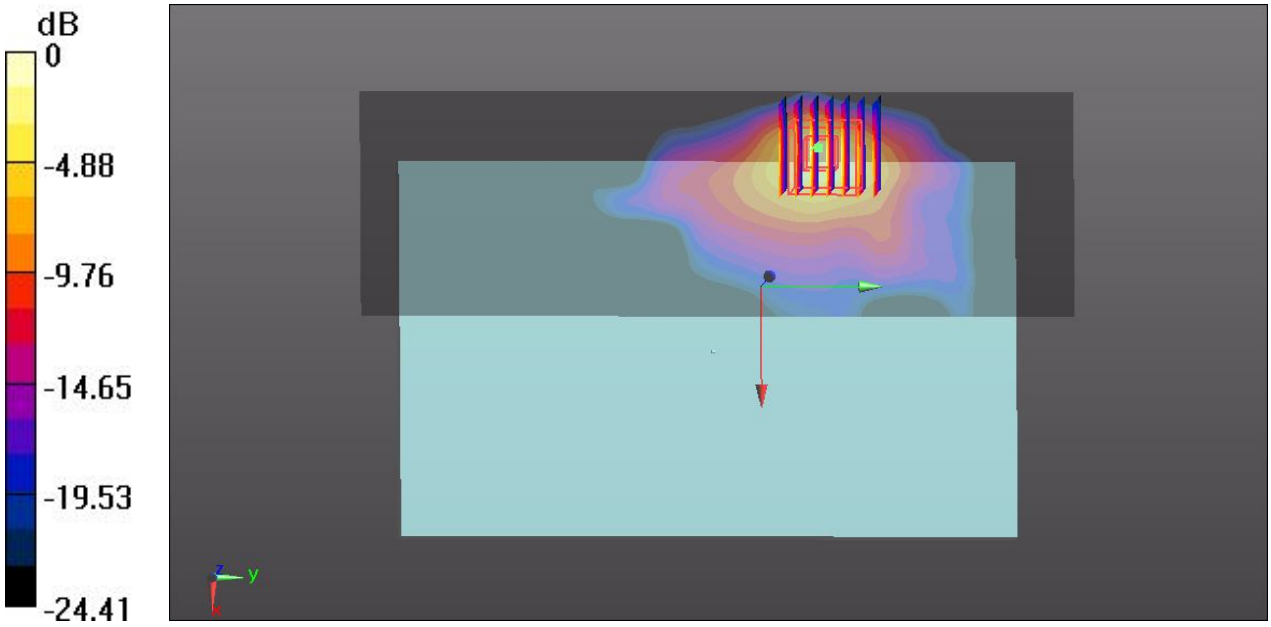
204 WLAN2.4GHz 802.11b_Bottom Face_0cm_Ch6

Communication System: UID 0, WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_131121 Medium parameters used: f = 2437 MHz; σ = 1.931 S/m; ε_r = 51.715; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.31, 6.31, 6.31); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch6/Area Scan (61x191x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.994 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.20 W/kg
SAR(1 g) = 0.781 W/kg; SAR(10 g) = 0.308 W/kg
Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.21

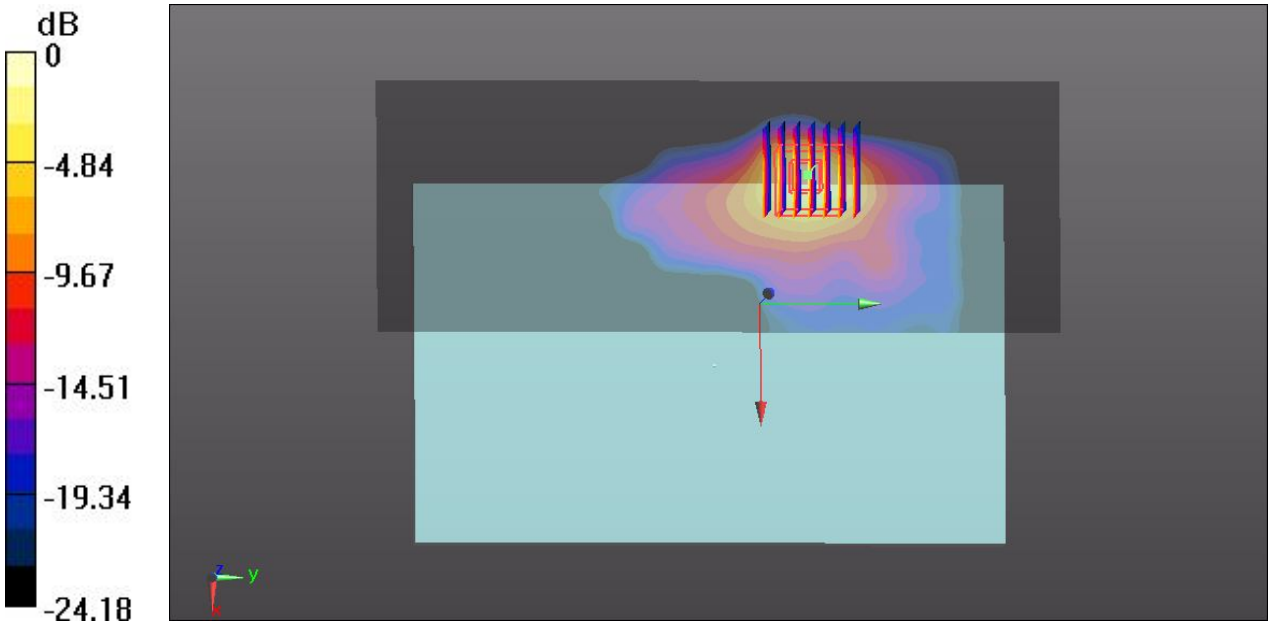
206 WLAN2.4GHz 802.11g_Bottom Face_0cm_Ch11

Communication System: UID 0, WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.029
Medium: MSL_2450_131121 Medium parameters used: f = 2462 MHz; σ = 1.964 S/m; ε_r = 51.623; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.31, 6.31, 6.31); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch11/Area Scan (71x191x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.955 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.428 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.251 W/kg
Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.21

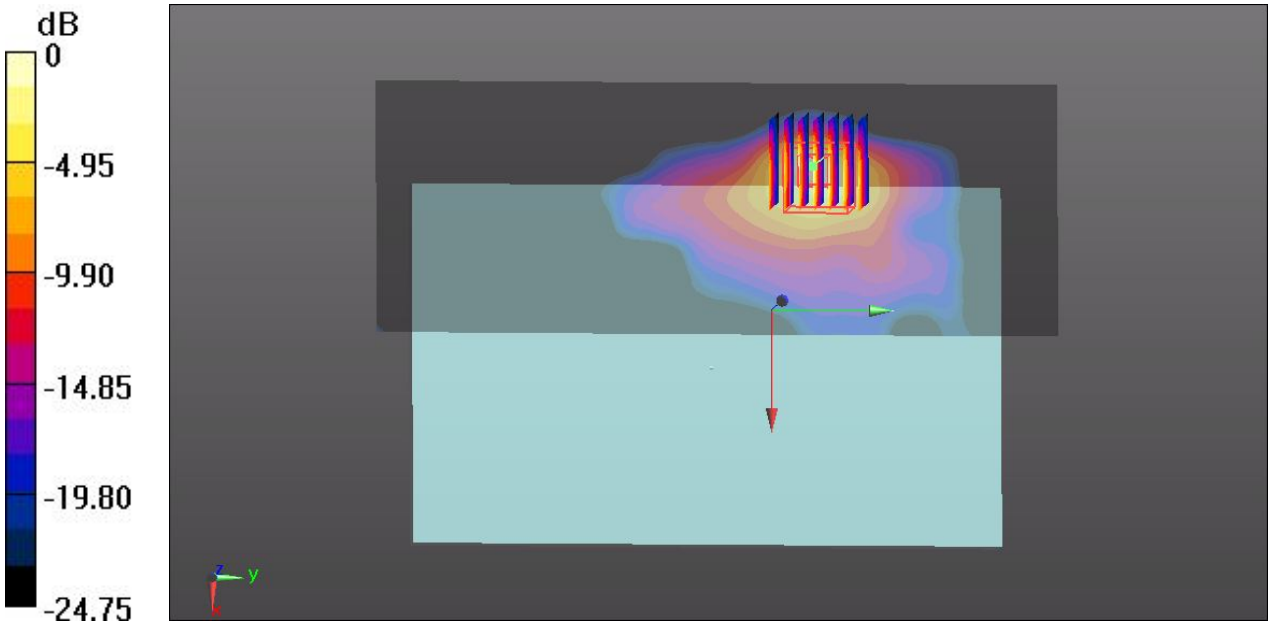
207 WLAN2.4GHz 802.11n HT20_Bottom Face_0cm_Ch11

Communication System: UID 0, WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.028
Medium: MSL_2450_131121 Medium parameters used: f = 2462 MHz; σ = 1.964 S/m; ε_r = 51.623; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.31, 6.31, 6.31); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch11/Area Scan (71x191x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.44 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.150 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.34 W/kg
SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.318 W/kg
Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.21

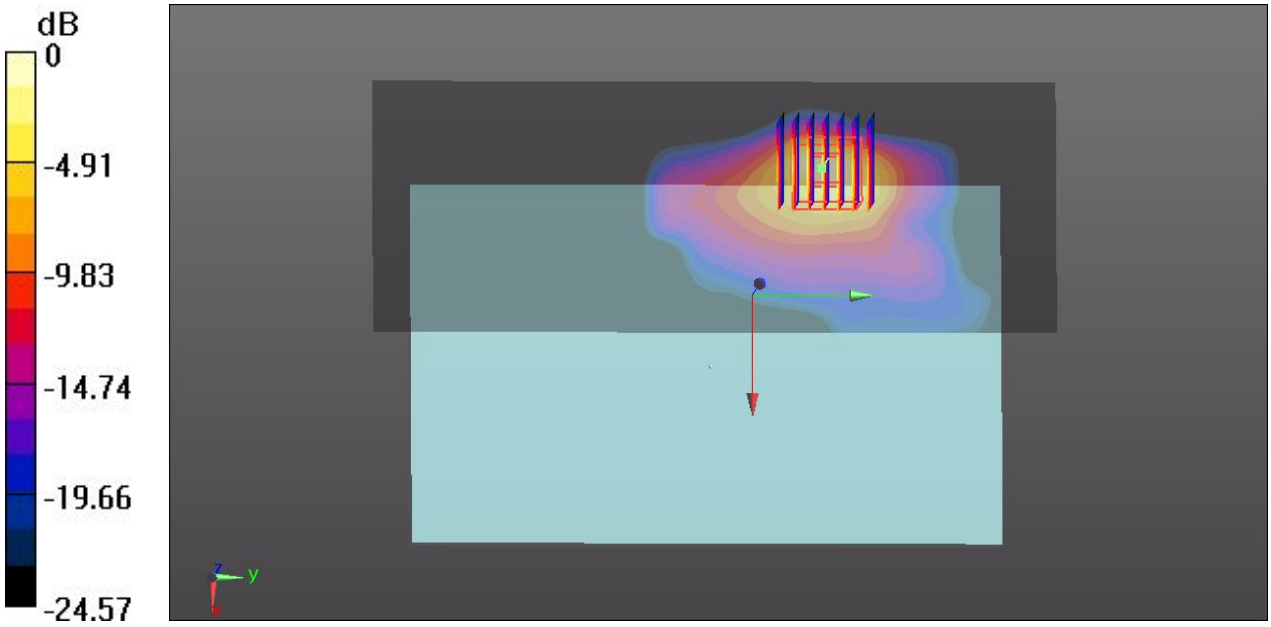
208 WLAN2.4GHz 802.11n HT20_Bottom Face_0cm_Ch1

Communication System: UID 0, WIFI; Frequency: 2412 MHz;Duty Cycle: 1:1.028
Medium: MSL_2450_131121 Medium parameters used: f = 2412 MHz; σ = 1.899 S/m; ε_r = 51.803; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.31, 6.31, 6.31); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch1/Area Scan (71x191x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.50 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.571 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 2.43 W/kg
SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.333 W/kg
Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.11.21

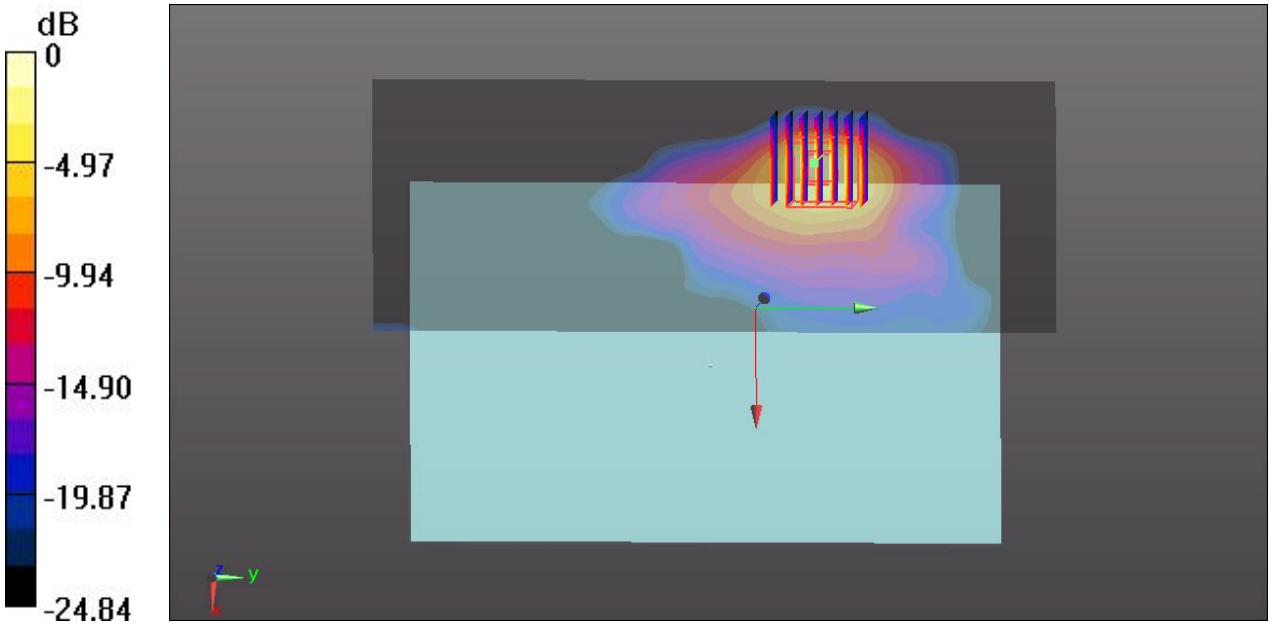
209 WLAN2.4GHz 802.11n HT20_Bottom Face_0cm_Ch6

Communication System: UID 0, WIFI; Frequency: 2437 MHz;Duty Cycle: 1:1.028
Medium: MSL_2450_131121 Medium parameters used: f = 2437 MHz; σ = 1.931 S/m; ε_r = 51.715; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.31, 6.31, 6.31); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch6/Area Scan (71x191x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.83 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.134 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.93 W/kg
SAR(1 g) = 1.030 W/kg; SAR(10 g) = 0.398 W/kg
Maximum value of SAR (measured) = 1.84 W/kg



0 dB = 1.84 W/kg

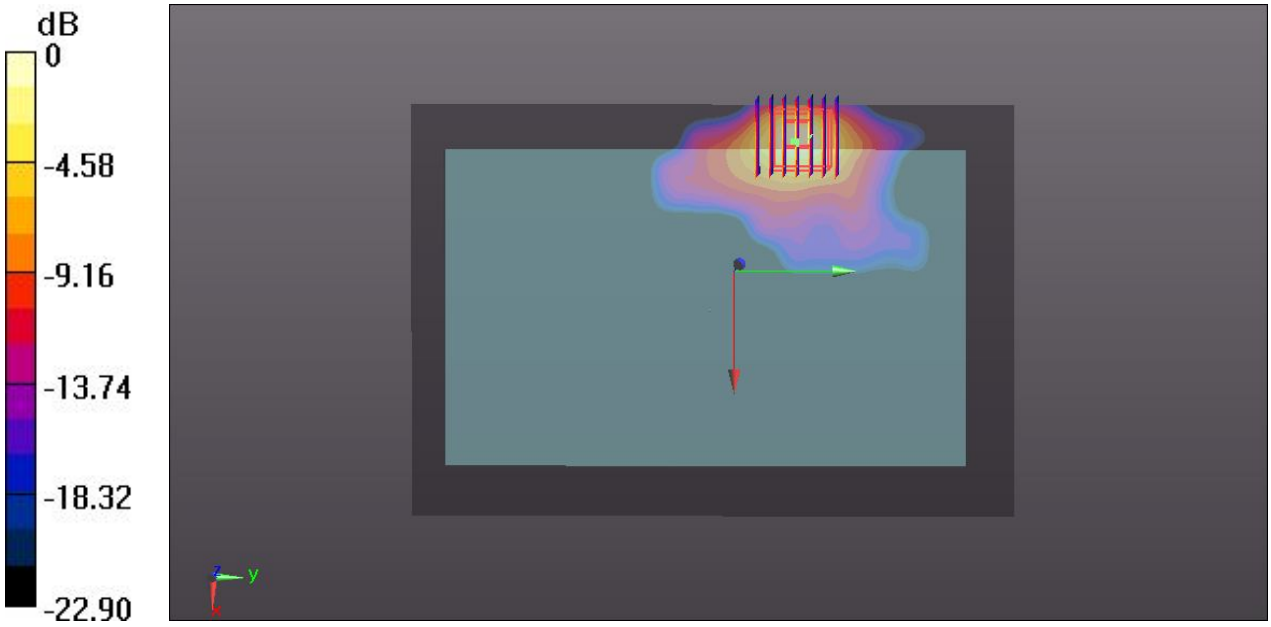
210 WLAN2.4GHz 802.11n HT20_Bottom Face_0cm_Ch6_Repeat SAR

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz;Duty Cycle: 1:1.028
Medium: MSL_2450_131121 Medium parameters used: f = 2437 MHz; σ = 1.931 S/m; ε_r = 51.715; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3578; ConvF(6.31, 6.31, 6.31); Calibrated: 2013.06.20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 2013.06.11
- Phantom: SAM3; Type: QDOVA002AA; Serial: TP:1149
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch6/Area Scan (131x191x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.87 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 30.520 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.90 W/kg
SAR(1 g) = 1.020 W/kg; SAR(10 g) = 0.401 W/kg
Maximum value of SAR (measured) = 1.77 W/kg



0 dB = 1.77 W/kg