Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#22 GSM1900_DTM 5 (2 Tx slots)_Right Cheek_Ch661_Battery #1

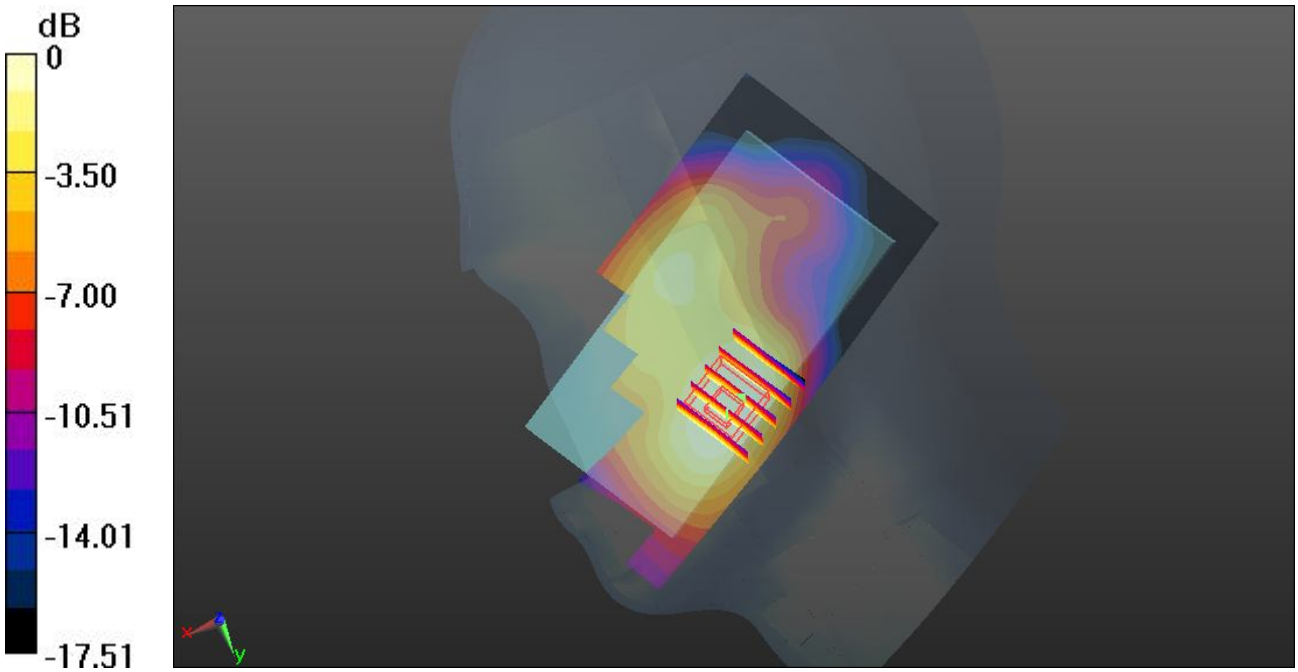
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: HSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.402 mho/m; ε_r = 41.184; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.455 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.334 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.515 mW/g
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.216 mW/g
Maximum value of SAR (measured) = 0.425 W/kg



0 dB = 0.425 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.16

#23 GSM1900_DTM 5 (2 Tx slots)_Right Tilted_Ch661_Battery #1

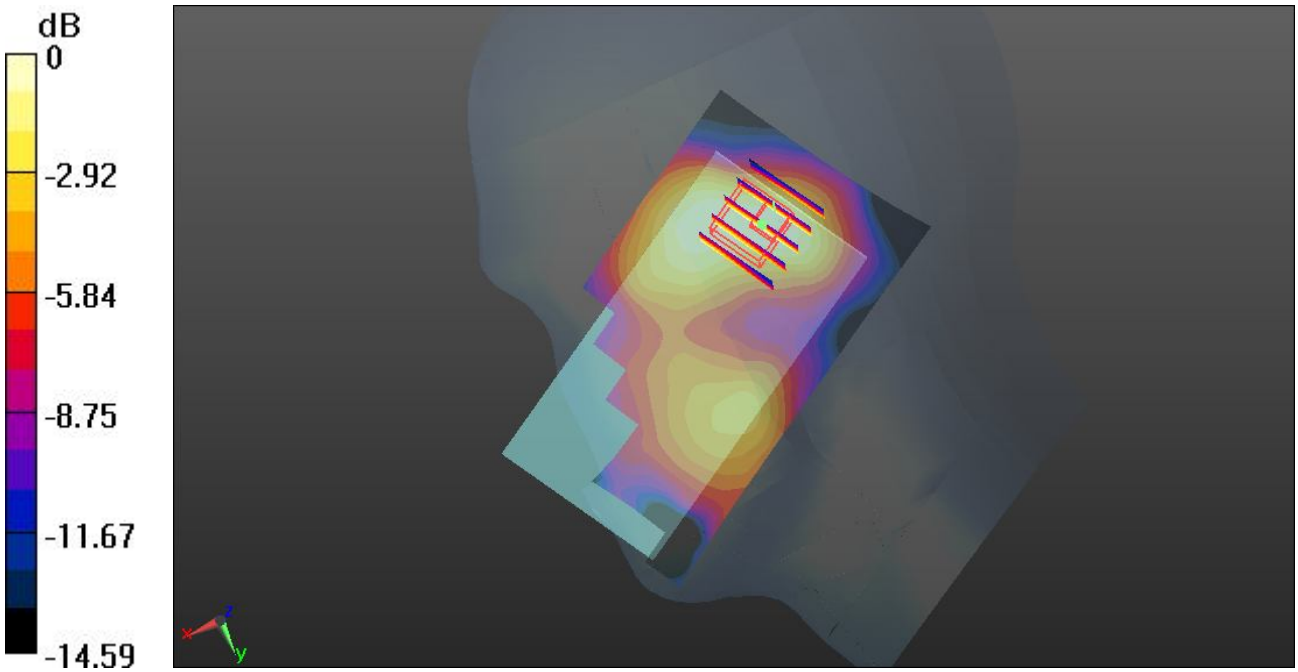
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: HSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.402 mho/m; ε_r = 41.184; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.174 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.036 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.212 mW/g
SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.165 W/kg

#24 GSM1900_DTM 5 (2 Tx slots)_Left Cheek_Ch661_Battery #1

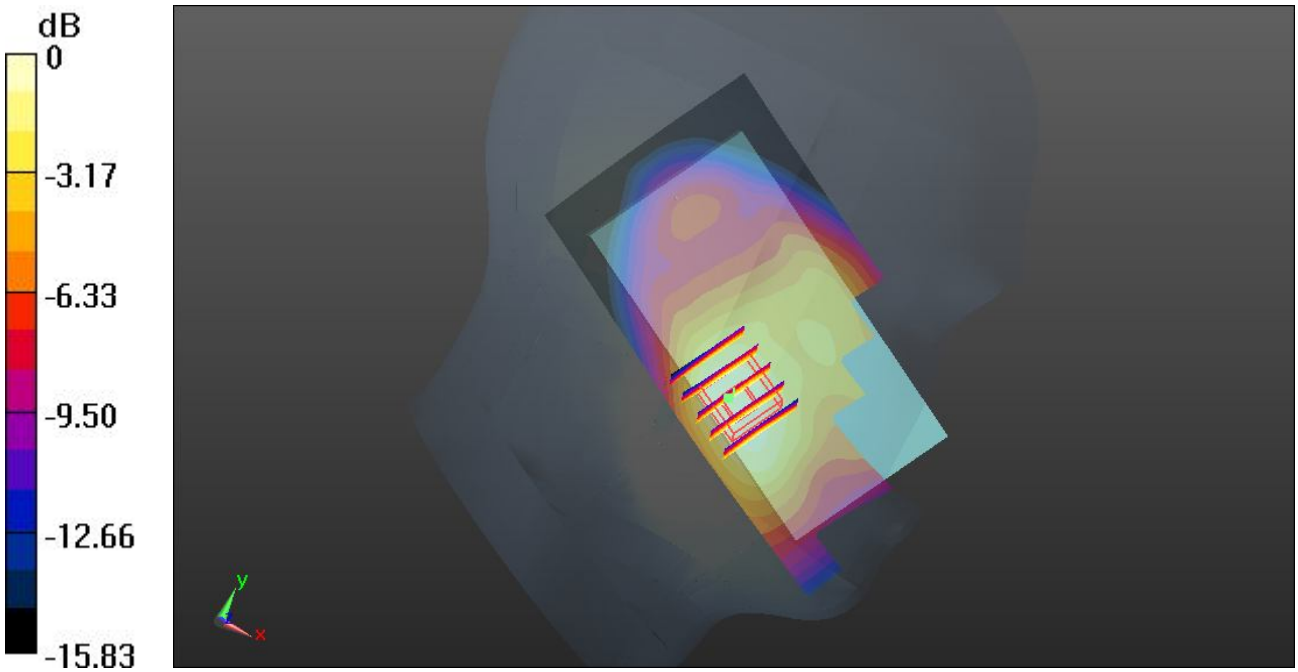
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: HSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.402 mho/m; ε_r = 41.184; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.407 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.986 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.460 mW/g
SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (measured) = 0.385 W/kg



0 dB = 0.385 W/kg

#25 GSM1900_DTM 5 (2 Tx slots)_Left Tilted_Ch661_Battery #1

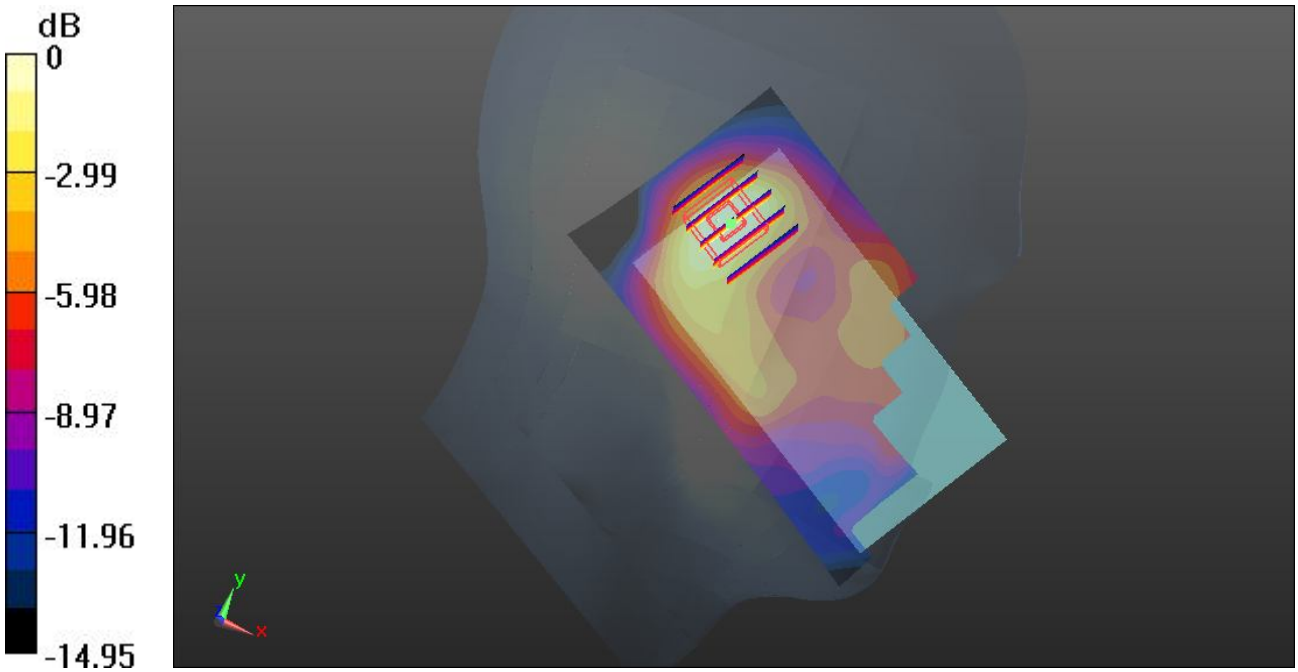
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: HSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.402 mho/m; ε_r = 41.184; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.187 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.002 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.231 mW/g
SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.178 W/kg



0 dB = 0.178 W/kg

#26 GSM1900_DTM 5 (2 Tx slots)_Right Cheek_Ch661_Battery #2

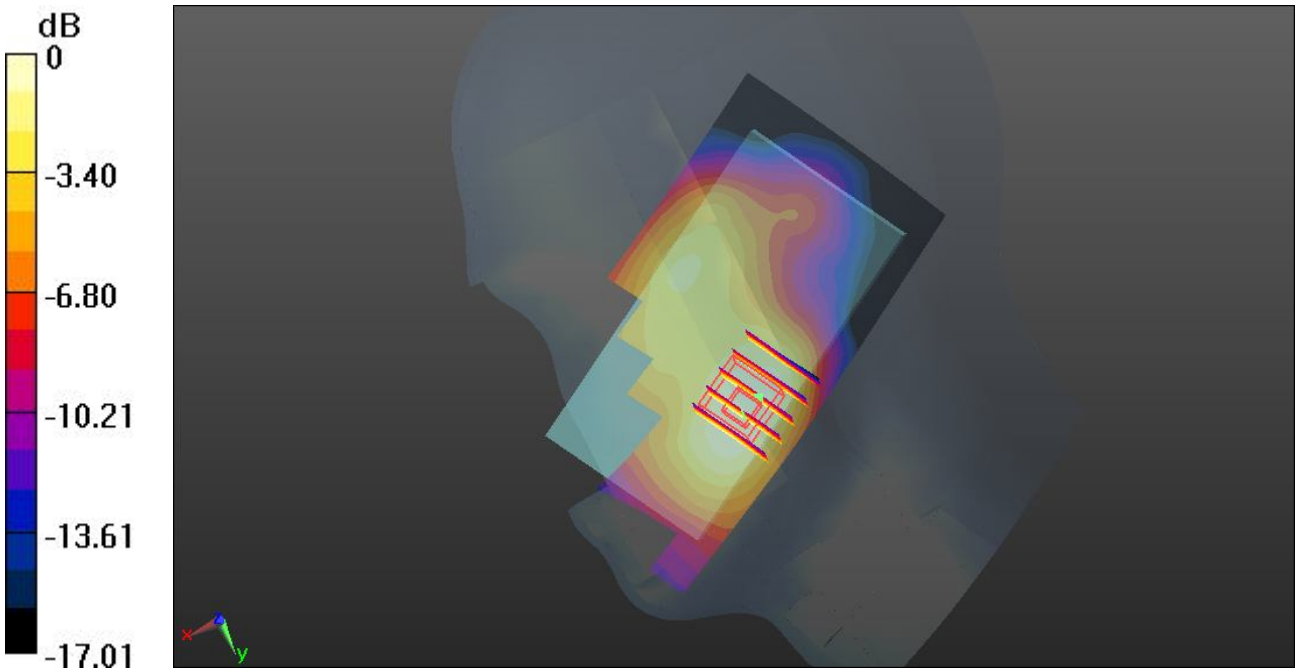
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: HSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.402 mho/m; ε_r = 41.184; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.439 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.286 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.502 mW/g
SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.212 mW/g
Maximum value of SAR (measured) = 0.418 W/kg



0 dB = 0.418 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.07

#231 LTE Band 7_QPSK 1RB 0offset_Right Cheek_Ch21020_Battery #1

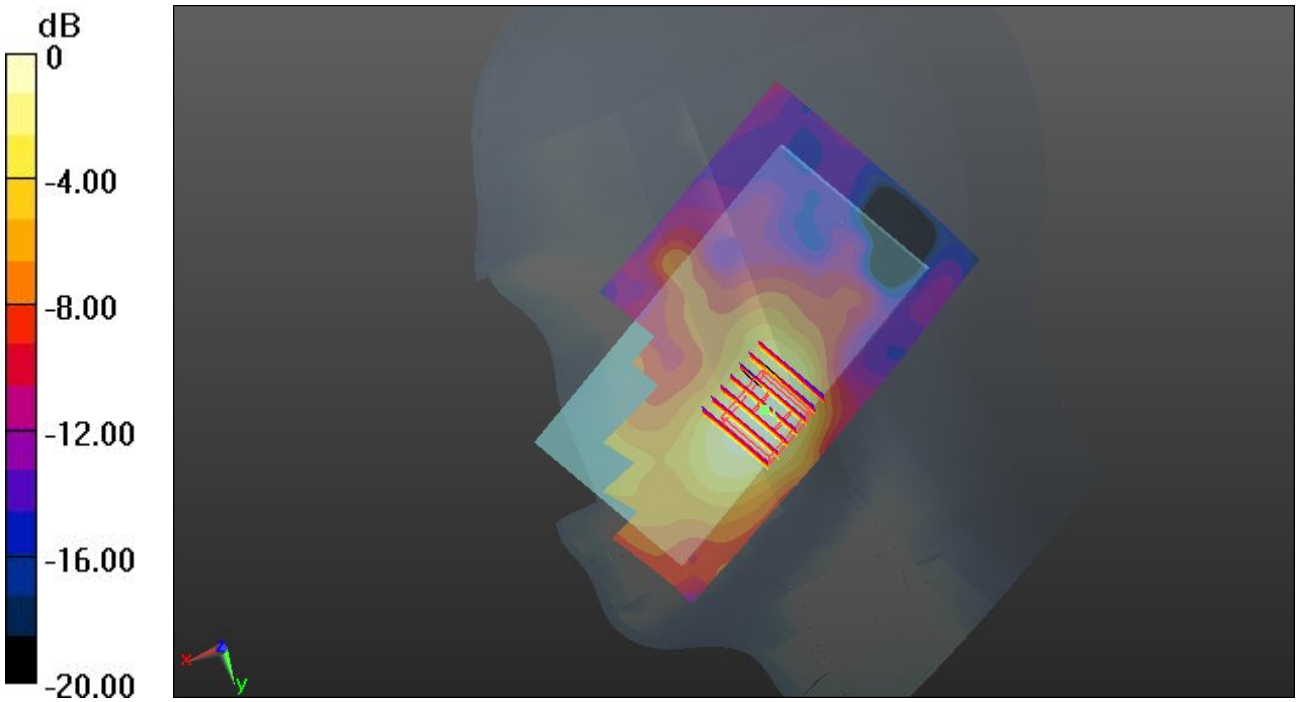
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: HSL_2600_130907 Medium parameters used: f = 2527 MHz; σ = 1.91 mho/m; ε_r = 38.556; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.76, 6.76, 6.76); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.132 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.017 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.309 mW/g
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.125 W/kg



0 dB = 0.125 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.07

#232 LTE Band 7_QPSK 1RB 0offset_Right Tilted_Ch21020_Battery #1

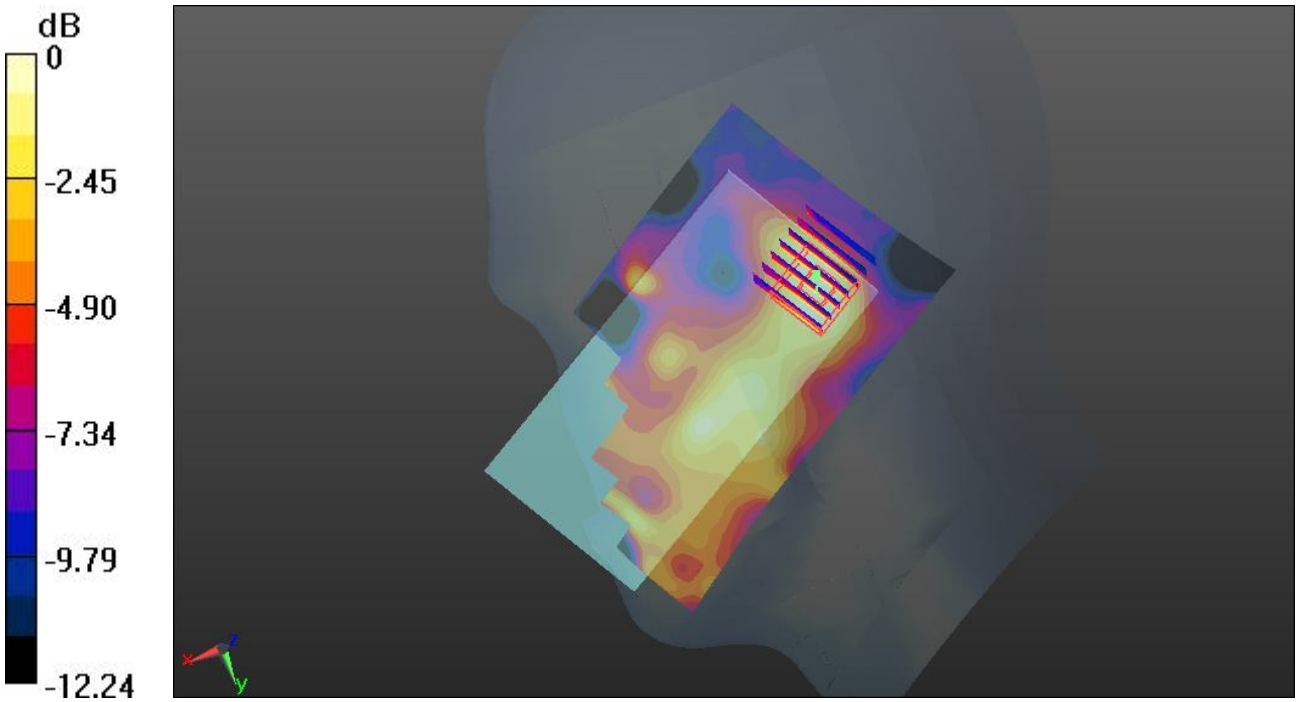
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: HSL_2600_130907 Medium parameters used: f = 2527 MHz; σ = 1.91 mho/m; ε_r = 38.556; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.76, 6.76, 6.76); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0445 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.230 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.056 mW/g
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.0426 W/kg



0 dB = 0.0426 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.07

#233 LTE Band 7_QPSK 1RB 0offset_Left Cheek_Ch21020_Battery #1

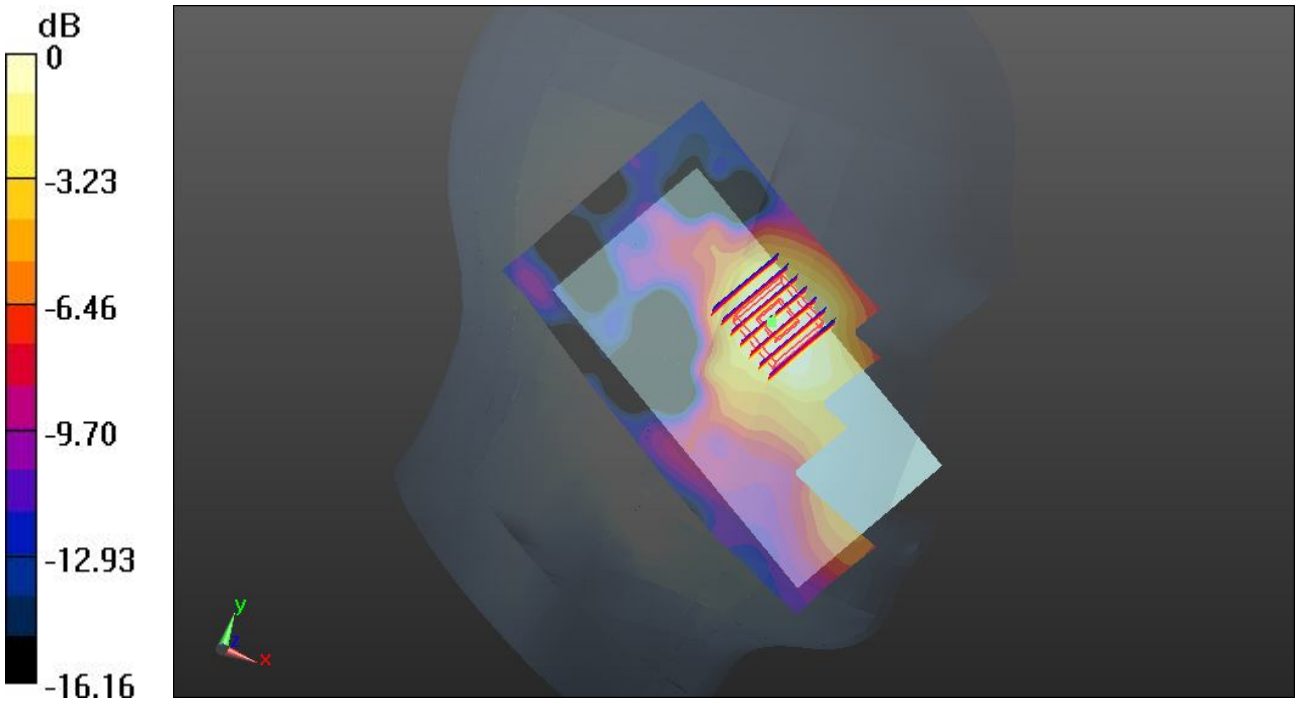
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: HSL_2600_130907 Medium parameters used: f = 2527 MHz; σ = 1.91 mho/m; ε_r = 38.556; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.76, 6.76, 6.76); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.126 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.806 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.143 mW/g
SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.048 mW/g
Maximum value of SAR (measured) = 0.114 W/kg



0 dB = 0.114 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.07

#234 LTE Band 7_QPSK 1RB 0offset_Left Tilted_Ch21020_Battery #1

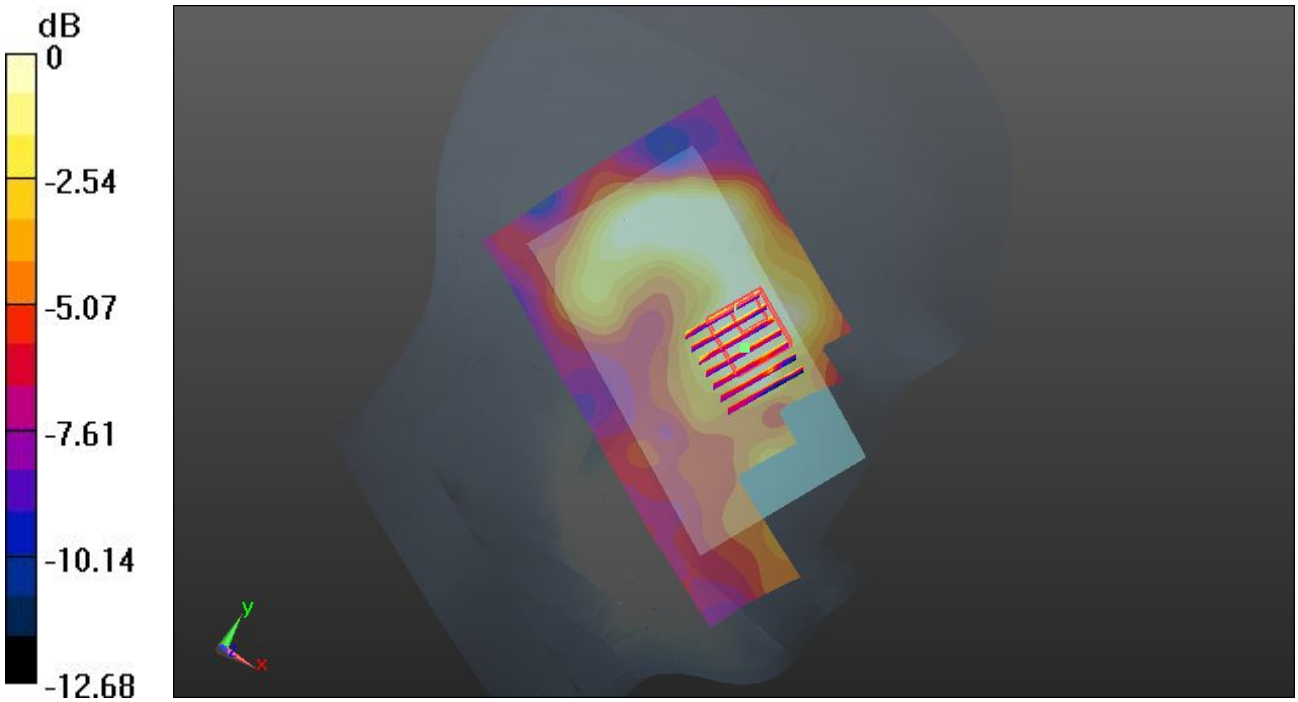
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: HSL_2600_130907 Medium parameters used: f = 2527 MHz; σ = 1.91 mho/m; ε_r = 38.556; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.76, 6.76, 6.76); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0632 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.489 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.047 mW/g
SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.013 mW/g
Maximum value of SAR (measured) = 0.0317 W/kg



0 dB = 0.0317 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.07

#235 LTE Band 7_QPSK 1RB 0offset_Right Cheek_Ch21020_Battery #2

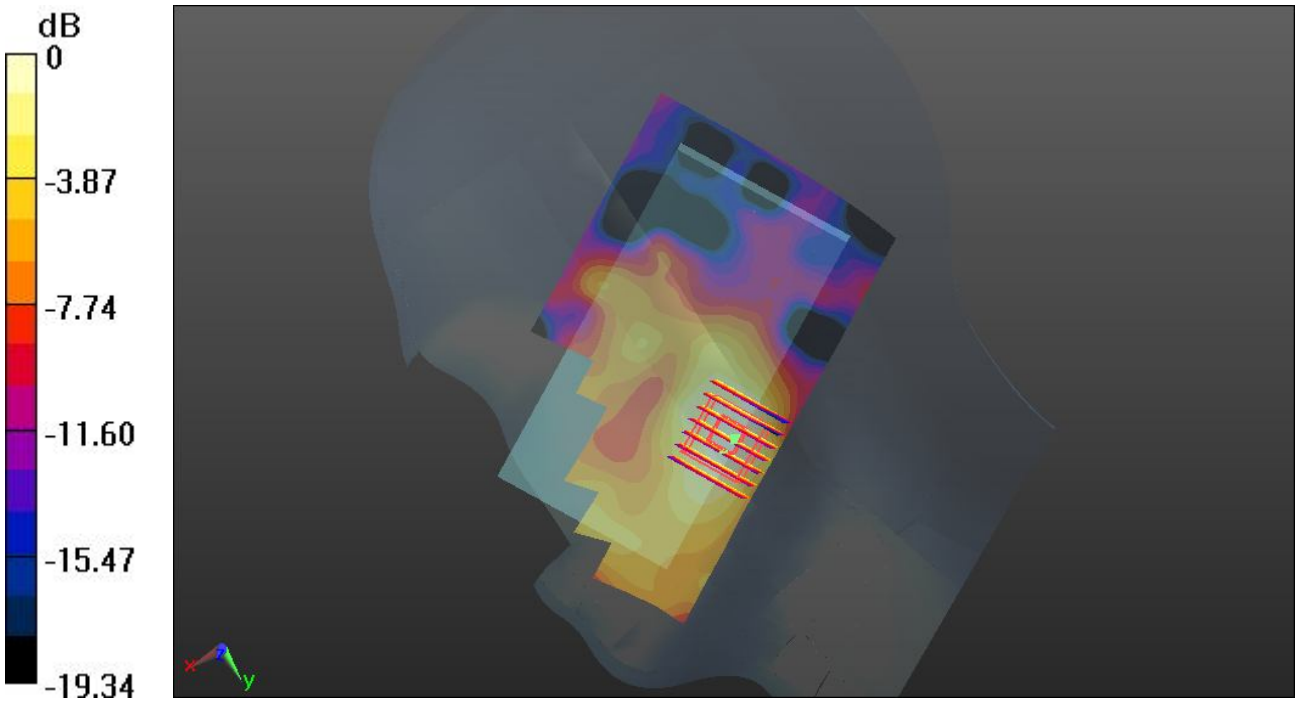
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: HSL_2600_130907 Medium parameters used: f = 2527 MHz; σ = 1.91 mho/m; ε_r = 38.556; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.76, 6.76, 6.76); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0923 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.656 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.124 mW/g
SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.0955 W/kg



0 dB = 0.0955 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.07

#236 LTE Band 7_QPSK 50 RB 0offset_Right Cheek_Ch20890_Battery #1

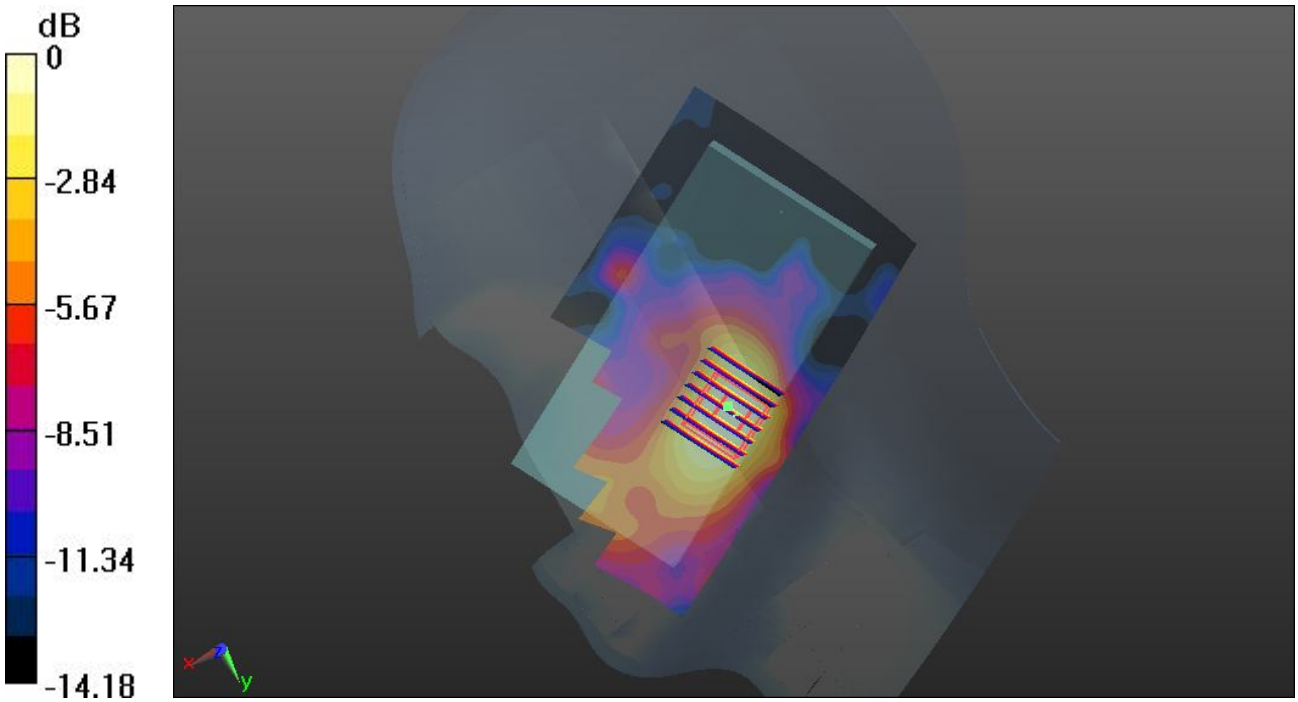
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: HSL_2600_130907 Medium parameters used: f = 2514 MHz; σ = 1.898 mho/m; ε_r = 38.594; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.76, 6.76, 6.76); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.109 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.099 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.138 mW/g
SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.106 W/kg



0 dB = 0.106 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.07

#237 LTE Band 7_QPSK 50 RB 0offset_Right Tilted_Ch20890_Battery #1

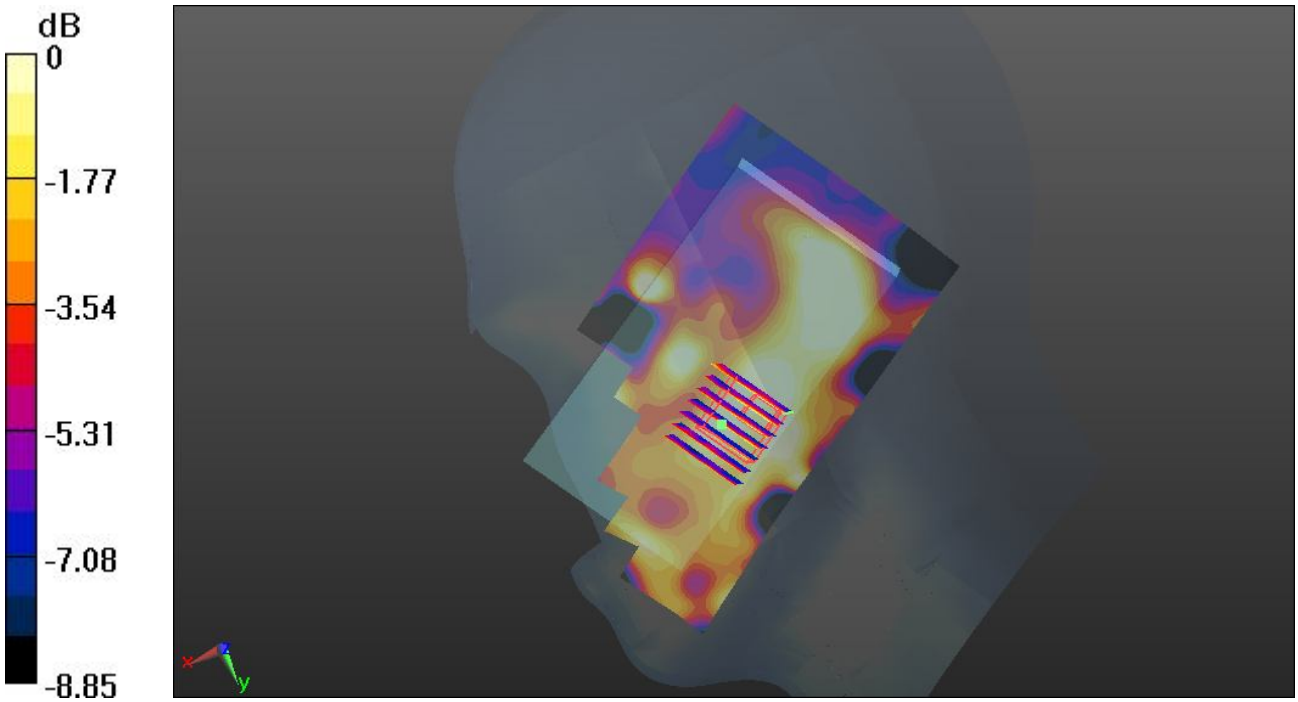
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: HSL_2600_130907 Medium parameters used: f = 2514 MHz; σ = 1.898 mho/m; ε_r = 38.594; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.76, 6.76, 6.76); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0345 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.951 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.025 mW/g
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00984 mW/g
Maximum value of SAR (measured) = 0.0224 W/kg



0 dB = 0.0224 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.07

#238 LTE Band 7_QPSK 50 RB 0offset_Left Cheek_Ch20890_Battery #1

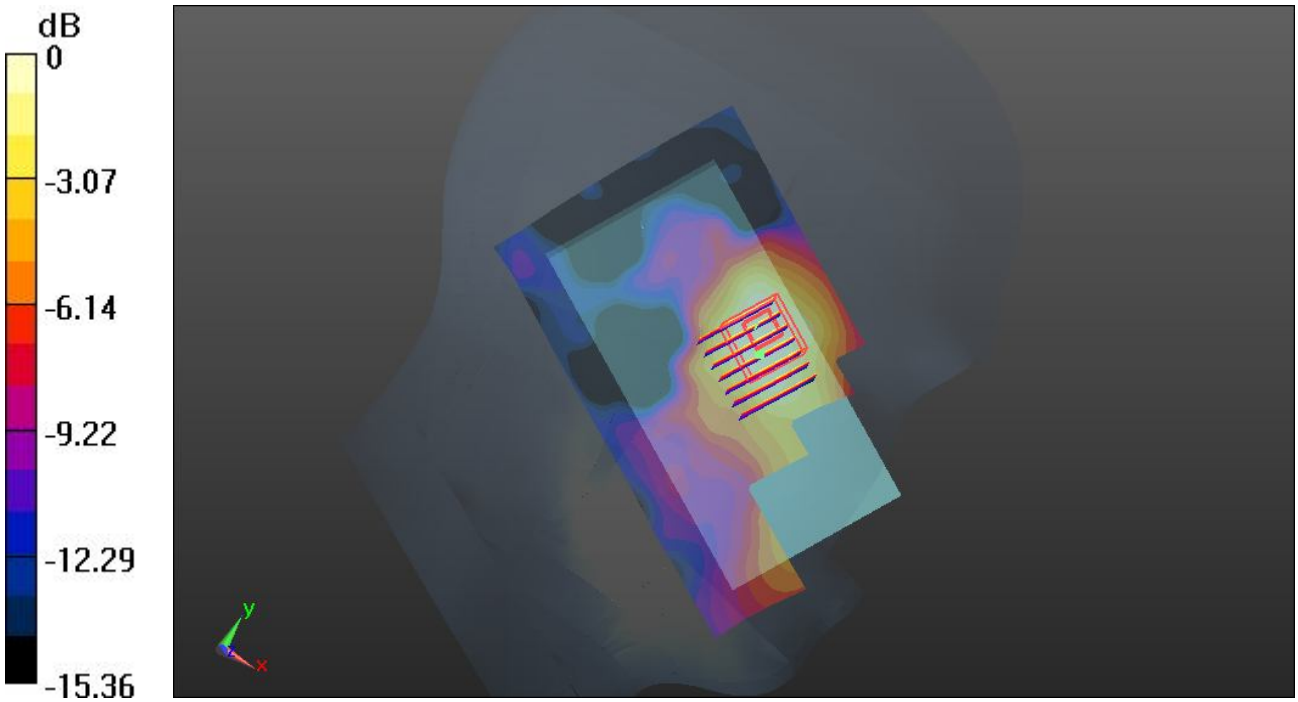
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: HSL_2600_130907 Medium parameters used: f = 2514 MHz; σ = 1.898 mho/m; ε_r = 38.594; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.76, 6.76, 6.76); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.117 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.877 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.127 mW/g
SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.042 mW/g
Maximum value of SAR (measured) = 0.0987 W/kg



0 dB = 0.0987 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.07

#239 LTE Band 7_QPSK 50 RB 0offset_Left Tilted_Ch20890_Battery #1

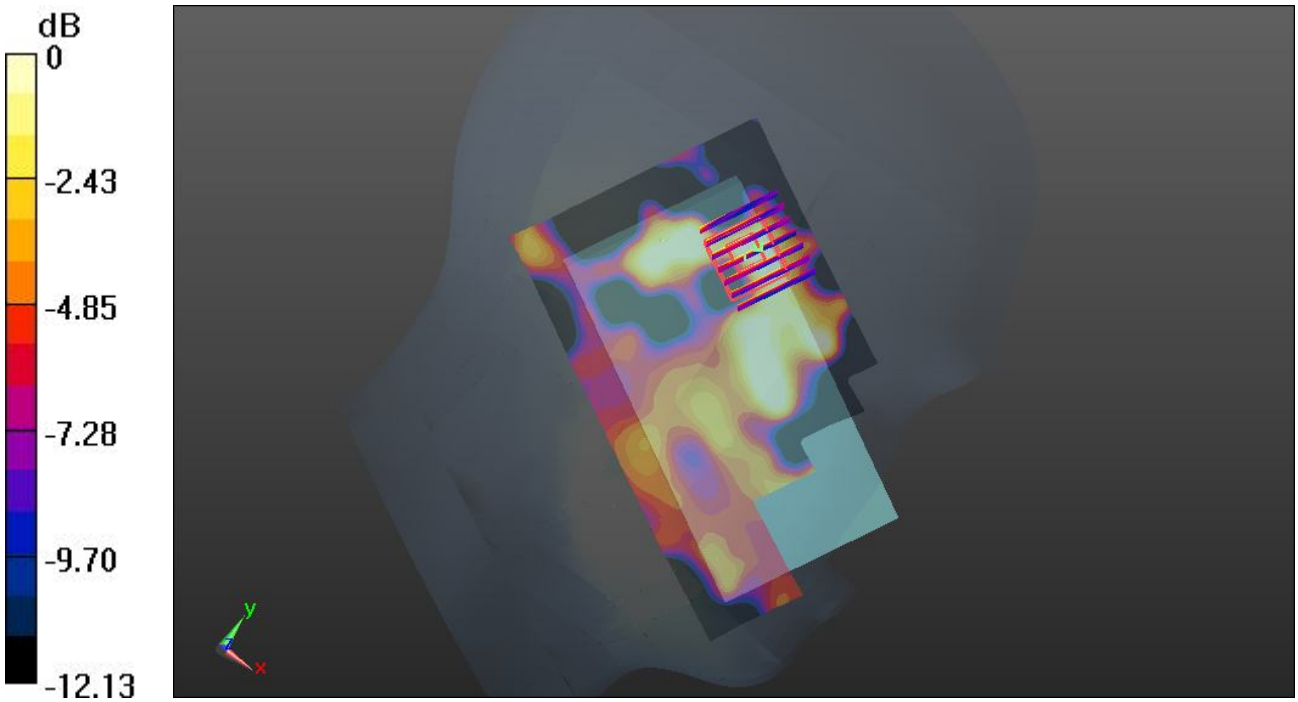
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: HSL_2600_130907 Medium parameters used: f = 2514 MHz; σ = 1.898 mho/m; ε_r = 38.594; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.76, 6.76, 6.76); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0337 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.041 mW/g
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00817 mW/g
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: 2013.09.07

#240 LTE Band 7_QPSK 50 RB 0offset_Right Cheek_Ch20890_Battery #2

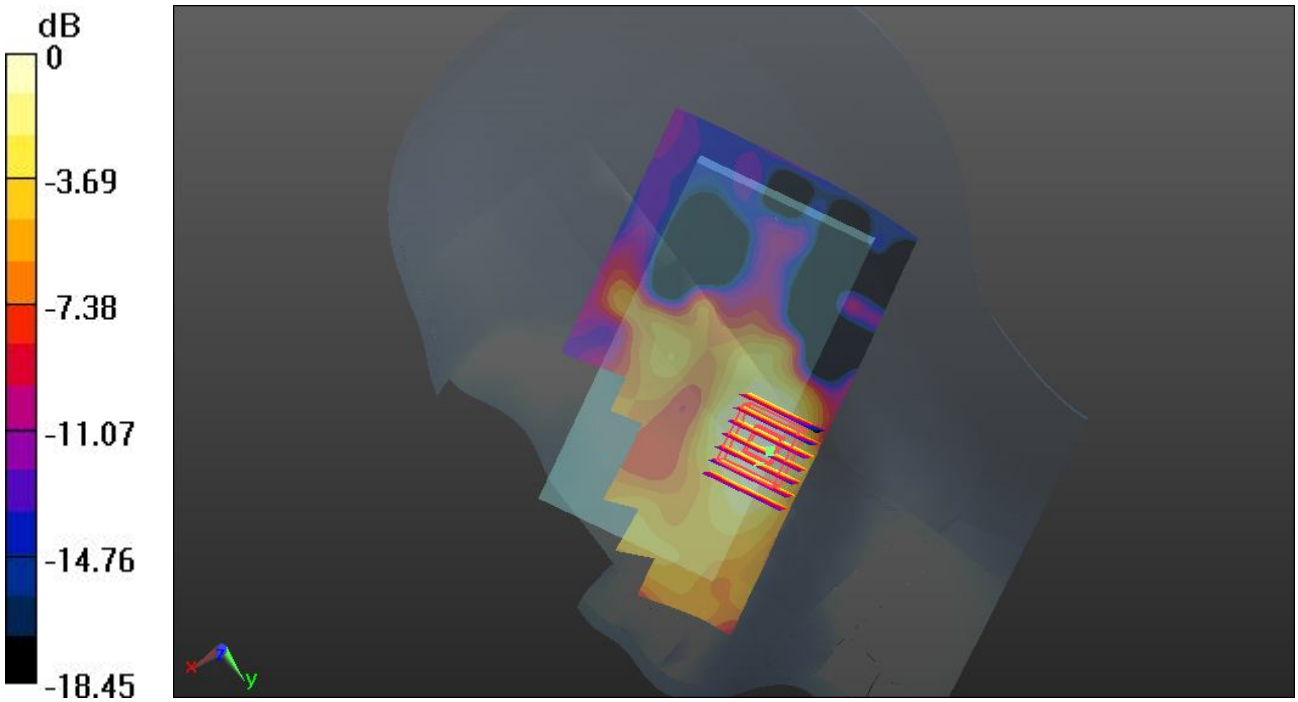
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: HSL_2600_130907 Medium parameters used: f = 2514 MHz; σ = 1.898 mho/m; ε_r = 38.594; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.76, 6.76, 6.76); Calibrated: 2012.11.26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0950 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.632 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.123 mW/g
SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.0933 W/kg



0 dB = 0.0933 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#38 WLAN 2.4GHz_802.11b_Right Cheek_Ch11_Battery #1

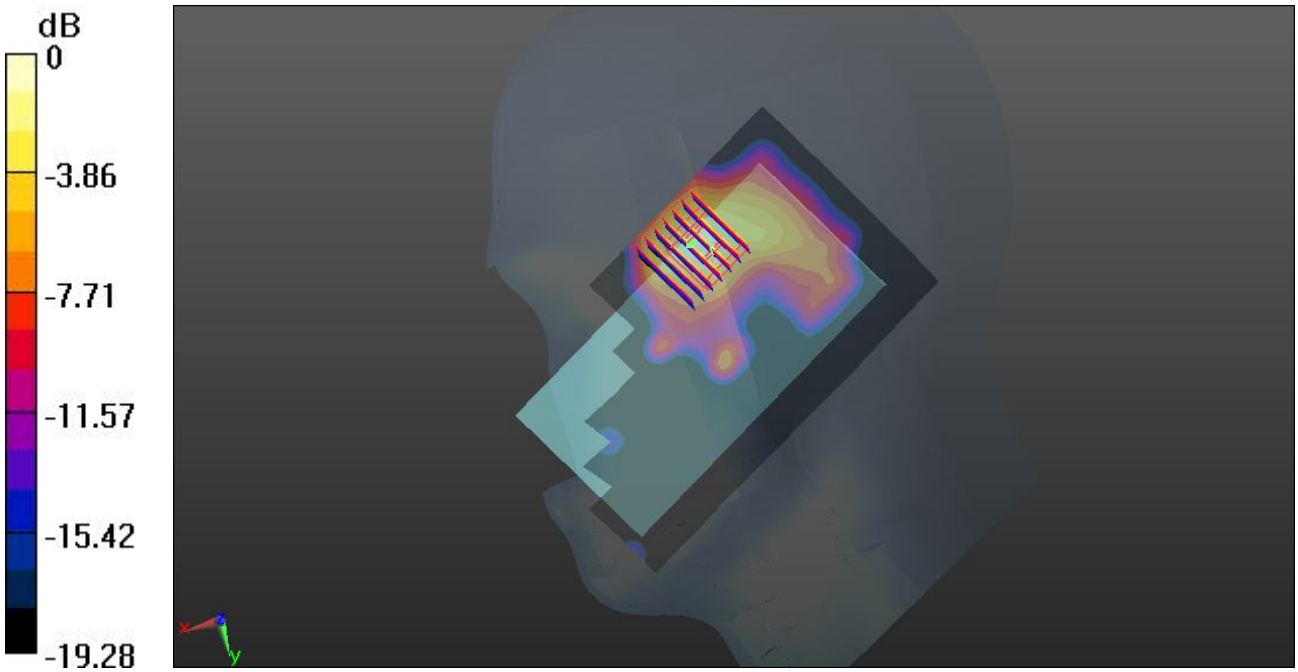
DUT: 340403-01

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: HSL_2450_130827 Medium parameters used: f = 2462 MHz; σ = 1.87 mho/m; ε_r = 37.627; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.168 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.439 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.266 mW/g
SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.176 W/kg



0 dB = 0.176 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#39 WLAN 2.4GHz_802.11b_Right Tilted_Ch11_Battery #1

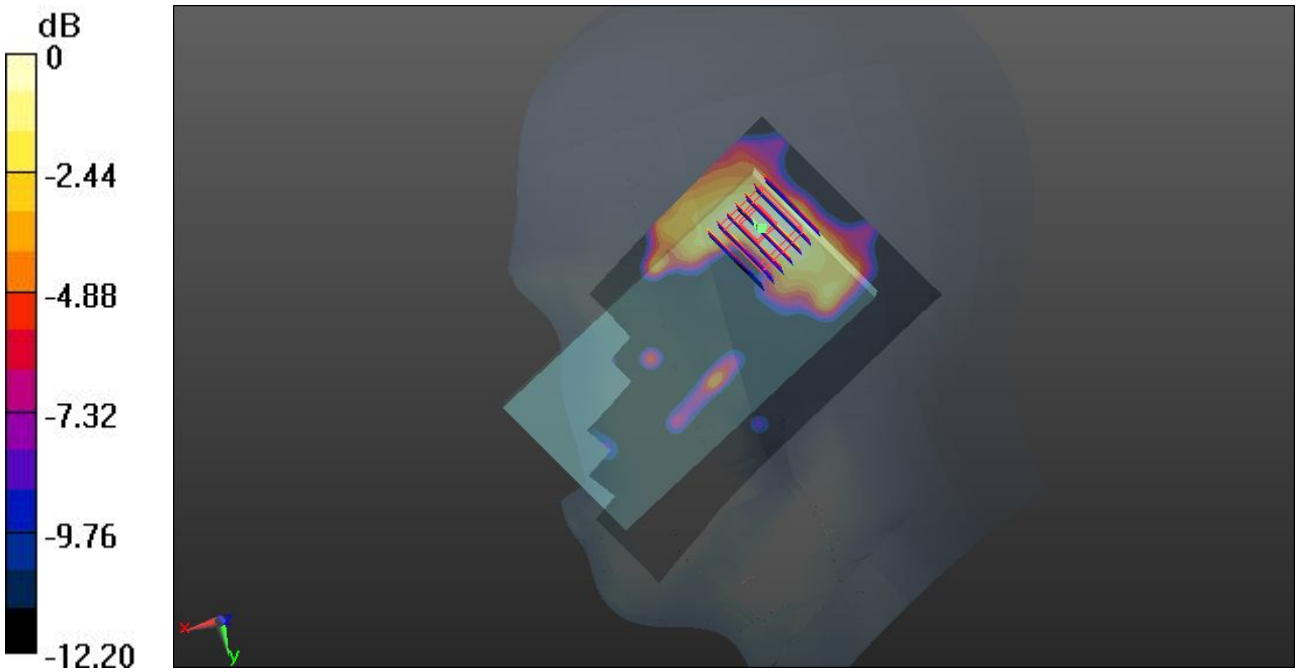
DUT: 340403-01

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: HSL_2450_130827 Medium parameters used: f = 2462 MHz; σ = 1.87 mho/m; ε_r = 37.627; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0652 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.382 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.075 mW/g
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.0554 W/kg



0 dB = 0.0554 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#40 WLAN 2.4GHz_802.11b_Left Cheek_Ch11_Battery #1

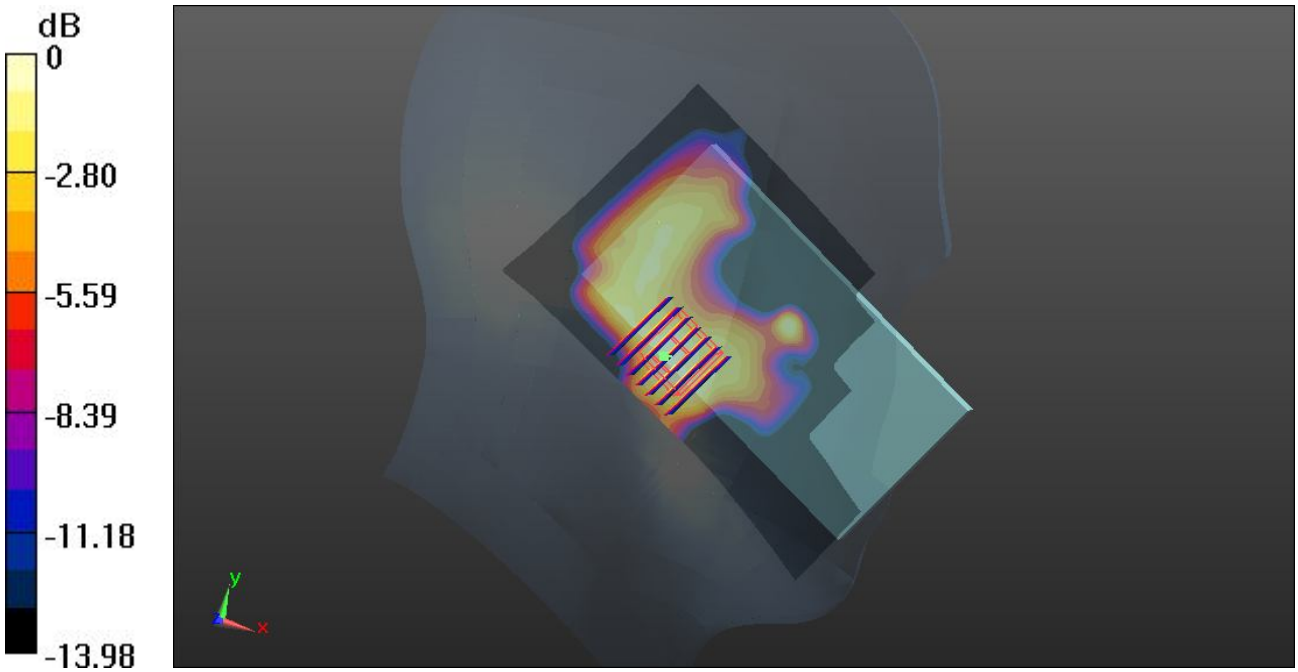
DUT: 340403-01

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: HSL_2450_130827 Medium parameters used: f = 2462 MHz; σ = 1.87 mho/m; ε_r = 37.627; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0955 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.328 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.134 mW/g
SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.0929 W/kg



0 dB = 0.0929 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#41 WLAN 2.4GHz_802.11b_Left Tilted_Ch11_Battery #1

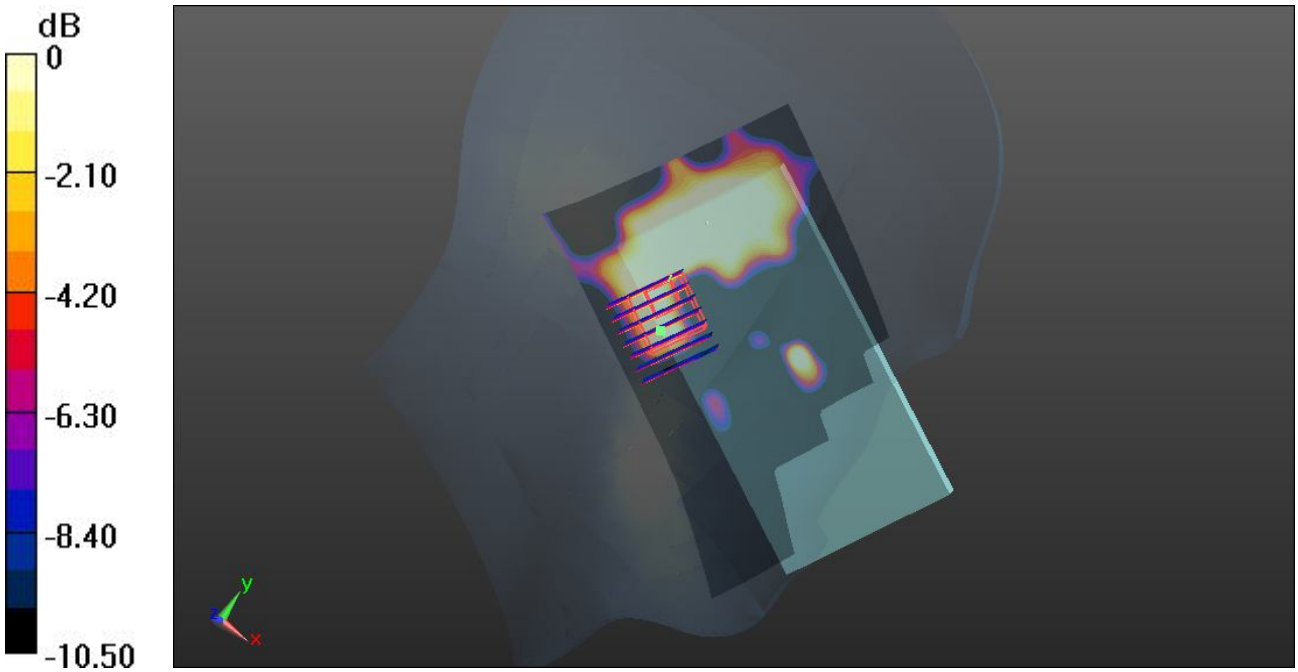
DUT: 340403-01

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: HSL_2450_130827 Medium parameters used: f = 2462 MHz; σ = 1.87 mho/m; ε_r = 37.627; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0680 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.480 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.043 mW/g
SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.0336 W/kg



0 dB = 0.0336 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#42 WLAN 2.4GHz_802.11b_Right Cheek_Ch11_Battery #2

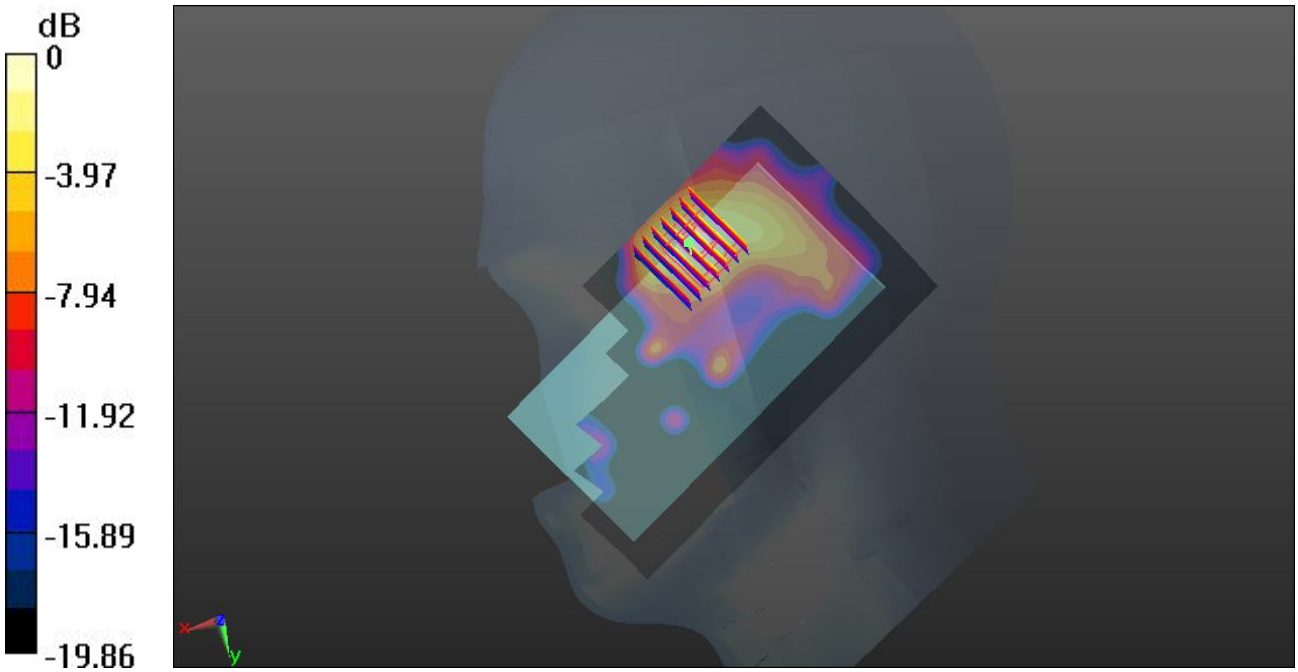
DUT: 340403-01

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: HSL_2450_130827 Medium parameters used: f = 2462 MHz; σ = 1.87 mho/m; ε_r = 37.627; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.149 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.729 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.229 mW/g
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.045 mW/g
Maximum value of SAR (measured) = 0.153 W/kg



0 dB = 0.153 W/kg

#43 WLAN 5.2GHz_802.11a 6Mbps_Right Cheek_Ch48_Battery #1

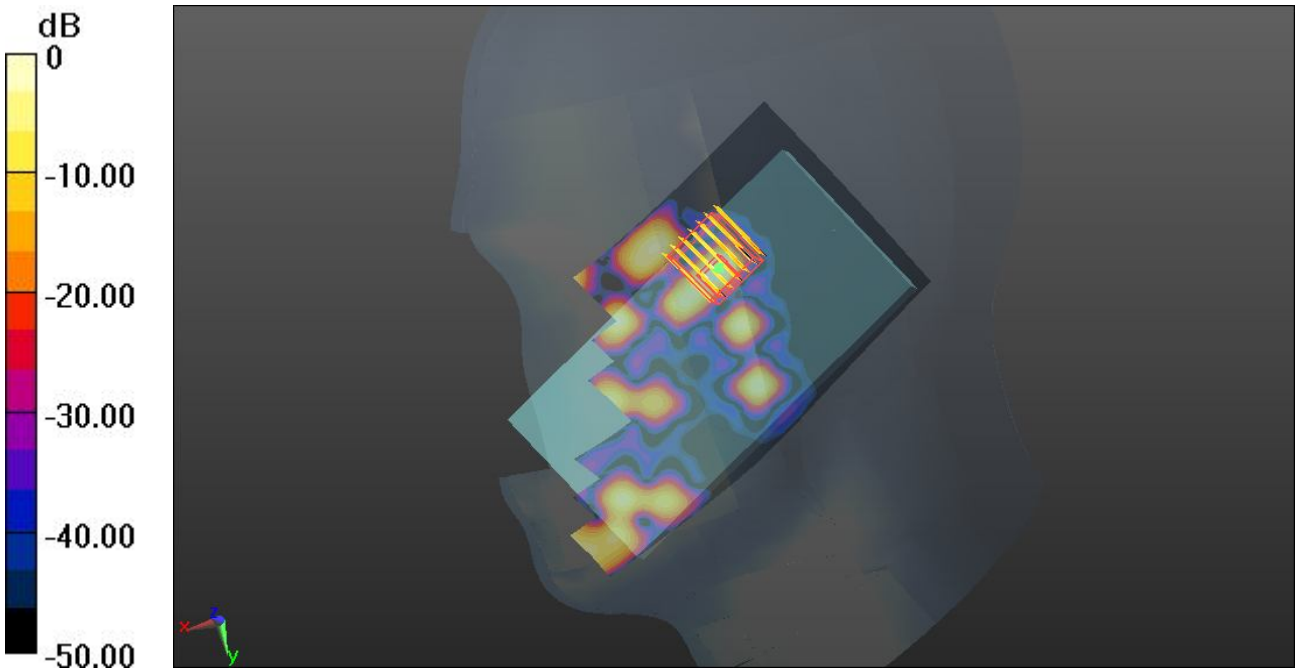
DUT: 340403-01

Communication System: WIFI; Frequency: 5240 MHz;Duty Cycle: 1:1.153
Medium: HSL_5240_130827 Medium parameters used: f = 5240 MHz; σ = 4.743 mho/m; ε_r = 36.961; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(5.11, 5.11, 5.11); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch48/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.132 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.962 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.518 mW/g
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00216 mW/g
Maximum value of SAR (measured) = 0.0918 W/kg



0 dB = 0.0918 W/kg

#44 WLAN 5.2GHz_802.11a 6Mbps_Right Tilted_Ch48_Battery #1

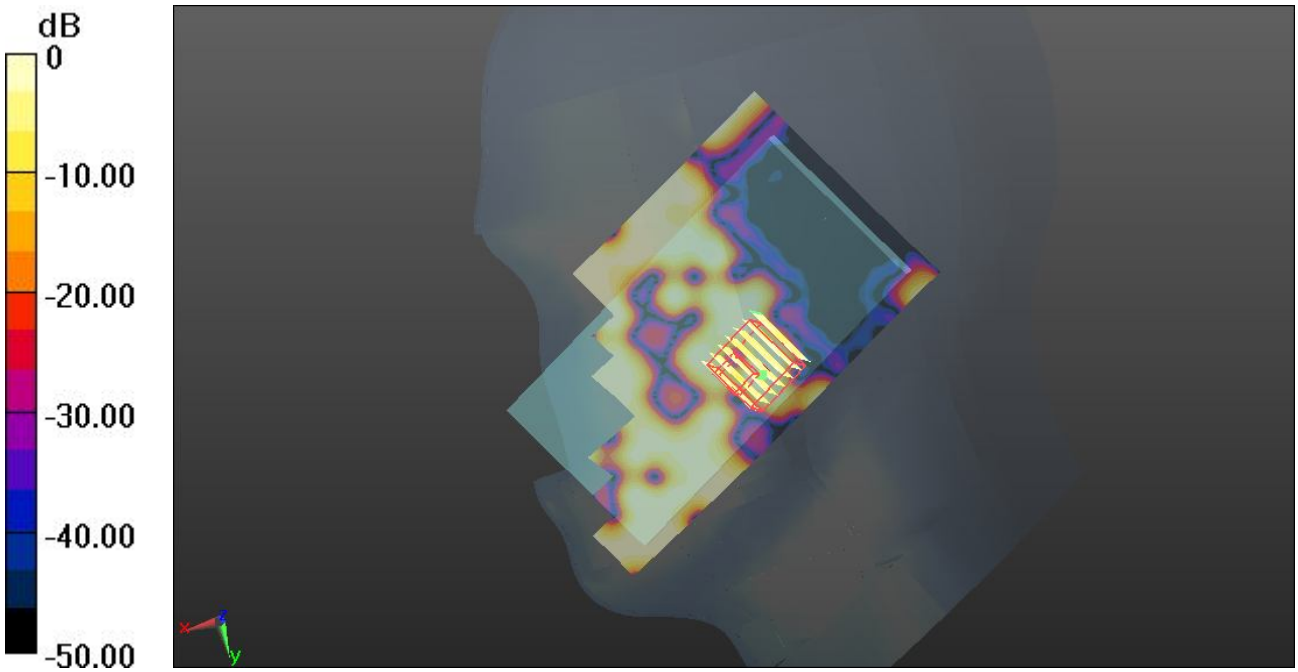
DUT: 340403-01

Communication System: WIFI; Frequency: 5240 MHz;Duty Cycle: 1:1.153
Medium: HSL_5240_130827 Medium parameters used: f = 5240 MHz; σ = 4.743 mho/m; ε_r = 36.961; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(5.11, 5.11, 5.11); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch48/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0646 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.589 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.491 mW/g
SAR(1 g) = 0.00318 mW/g; SAR(10 g) = 0.000925 mW/g
Maximum value of SAR (measured) = 0.0229 W/kg



0 dB = 0.0229 W/kg

#45 WLAN 5.2GHz_802.11a 6Mbps_Left Cheek_Ch48_Battery #1

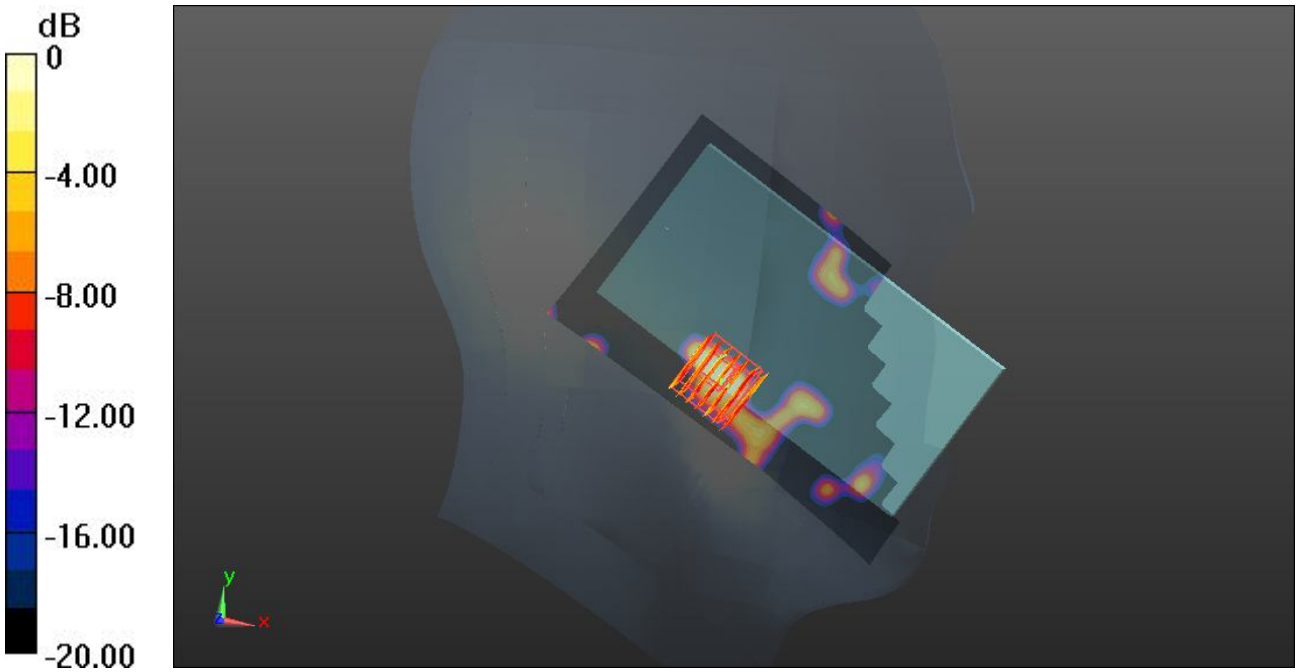
DUT: 340403-01

Communication System: WIFI; Frequency: 5240 MHz;Duty Cycle: 1:1.153
Medium: HSL_5240_130827 Medium parameters used: f = 5240 MHz; σ = 4.743 mho/m; ε_r = 36.961; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(5.11, 5.11, 5.11); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch48/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.169 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.234 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.109 mW/g
SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.0659 W/kg



0 dB = 0.0659 W/kg

#46 WLAN 5.2GHz_802.11a 6Mbps_Left Tilted_Ch48_Battery #1

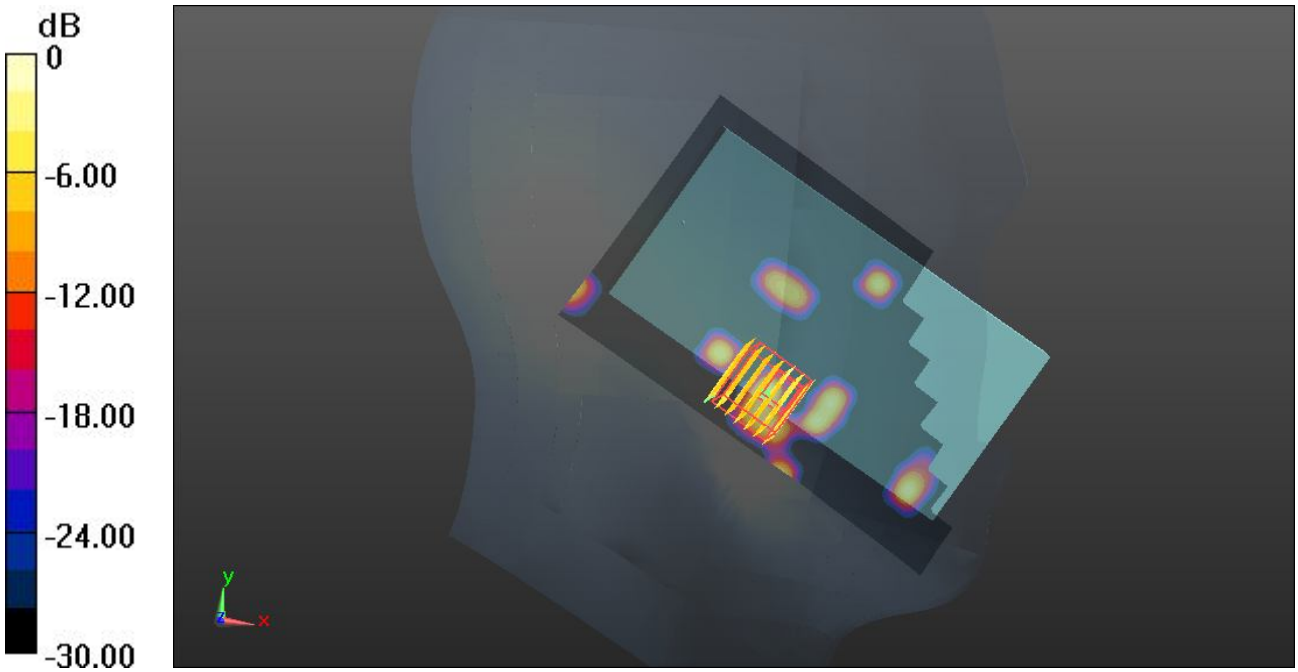
DUT: 340403-01

Communication System: WIFI; Frequency: 5240 MHz;Duty Cycle: 1:1.153
Medium: HSL_5240_130827 Medium parameters used: f = 5240 MHz; σ = 4.743 mho/m; ε_r = 36.961; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(5.11, 5.11, 5.11); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch48/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0334 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.359 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.093 mW/g
SAR(1 g) = 0.00757 mW/g; SAR(10 g) = 0.003 mW/g
Maximum value of SAR (measured) = 0.0467 W/kg



0 dB = 0.0467 W/kg

#47 WLAN 5.2GHz_802.11a 6Mbps_Left Cheek_Ch48_Battery #2

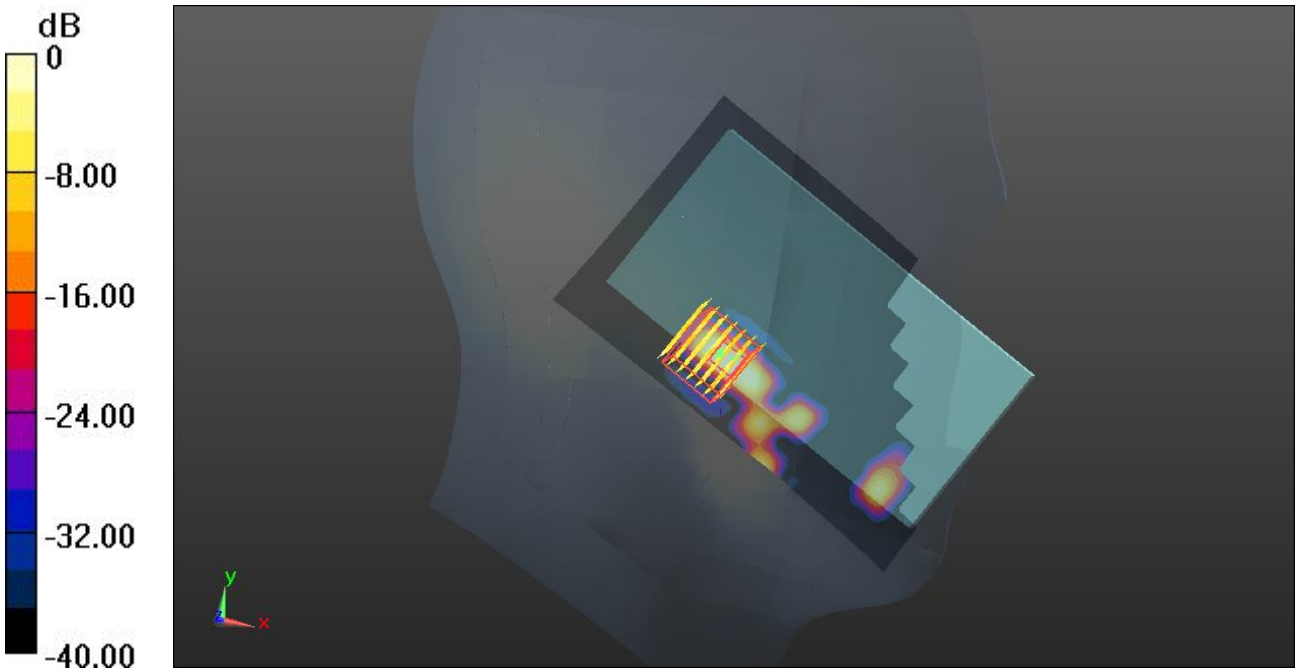
DUT: 340403-01

Communication System: WIFI; Frequency: 5240 MHz;Duty Cycle: 1:1.153
Medium: HSL_5240_130827 Medium parameters used: f = 5240 MHz; σ = 4.743 mho/m; ε_r = 36.961; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(5.11, 5.11, 5.11); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch48/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0621 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.454 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.097 mW/g
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.0622 W/kg



0 dB = 0.0622 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.12

#256 WLAN 5.3GHz_802.11a 6Mbps_Right Cheek_Ch64_Battery #1

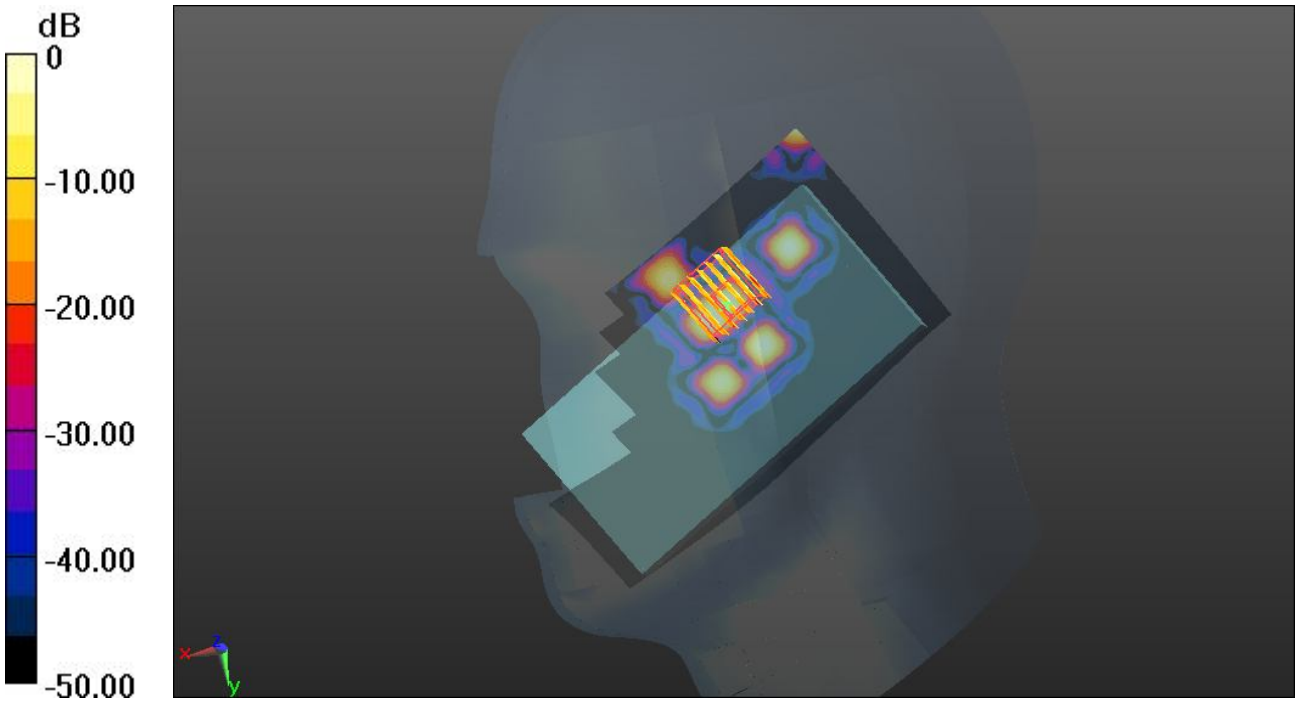
DUT: 340403-01

Communication System: WIFI; Frequency: 5320 MHz;Duty Cycle: 1:1.153
Medium: HSL_5G_130912 Medium parameters used: f = 5320 MHz; σ = 4.853 mho/m; ε_r = 36.837; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.85, 4.85, 4.85); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.300 W/kg

Ch64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.415 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.705 mW/g
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.00894 mW/g
Maximum value of SAR (measured) = 0.184 W/kg



0 dB = 0.184 W/kg

#257 WLAN 5.3GHz_802.11a 6Mbps_Right Tilted_Ch64_Battery #1

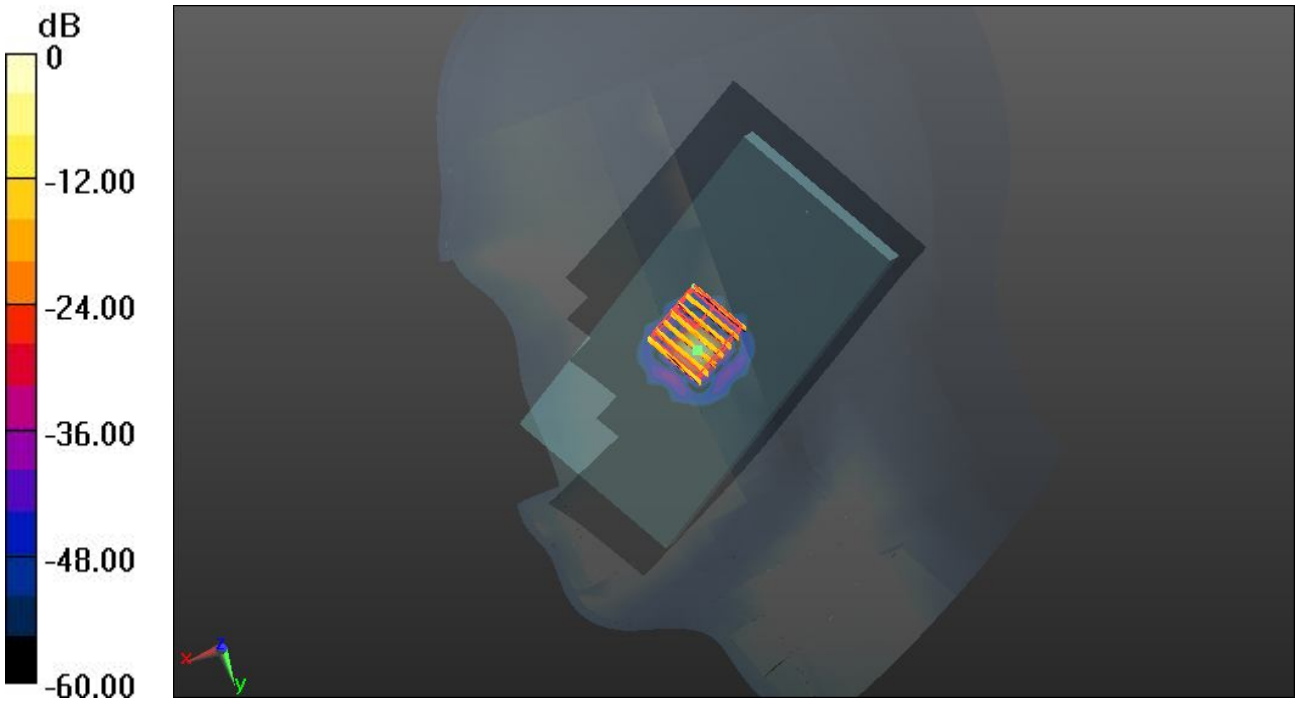
DUT: 340403-01

Communication System: WIFI; Frequency: 5320 MHz;Duty Cycle: 1:1.153
Medium: HSL_5G_130912 Medium parameters used: f = 5320 MHz; σ = 4.853 mho/m; ε_r = 36.837; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.85, 4.85, 4.85); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.146 W/kg

Ch64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0.5 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.237 mW/g
SAR(1 g) = 0.000207 mW/g; SAR(10 g) = 3.76e-006 mW/g
Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.12

#258 WLAN 5.3GHz_802.11a 6Mbps_Left Cheek_Ch64_Battery #1

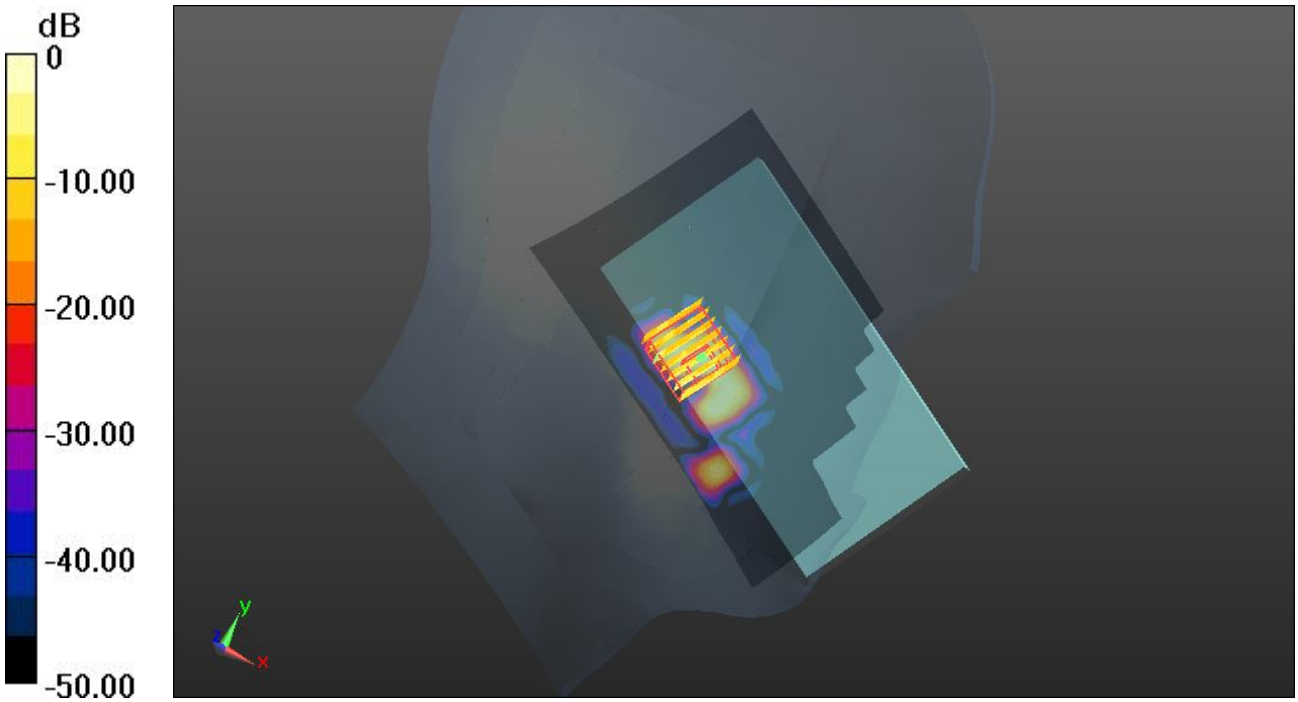
DUT: 340403-01

Communication System: WIFI; Frequency: 5320 MHz;Duty Cycle: 1:1.153
Medium: HSL_5G_130912 Medium parameters used: f = 5320 MHz; σ = 4.853 mho/m; ε_r = 36.837; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.85, 4.85, 4.85); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0683 W/kg

Ch64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.485 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.472 mW/g
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.010 mW/g
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: 2013.09.12

#259 WLAN 5.3GHz_802.11a 6Mbps_Left Tilted_Ch64_Battery #1

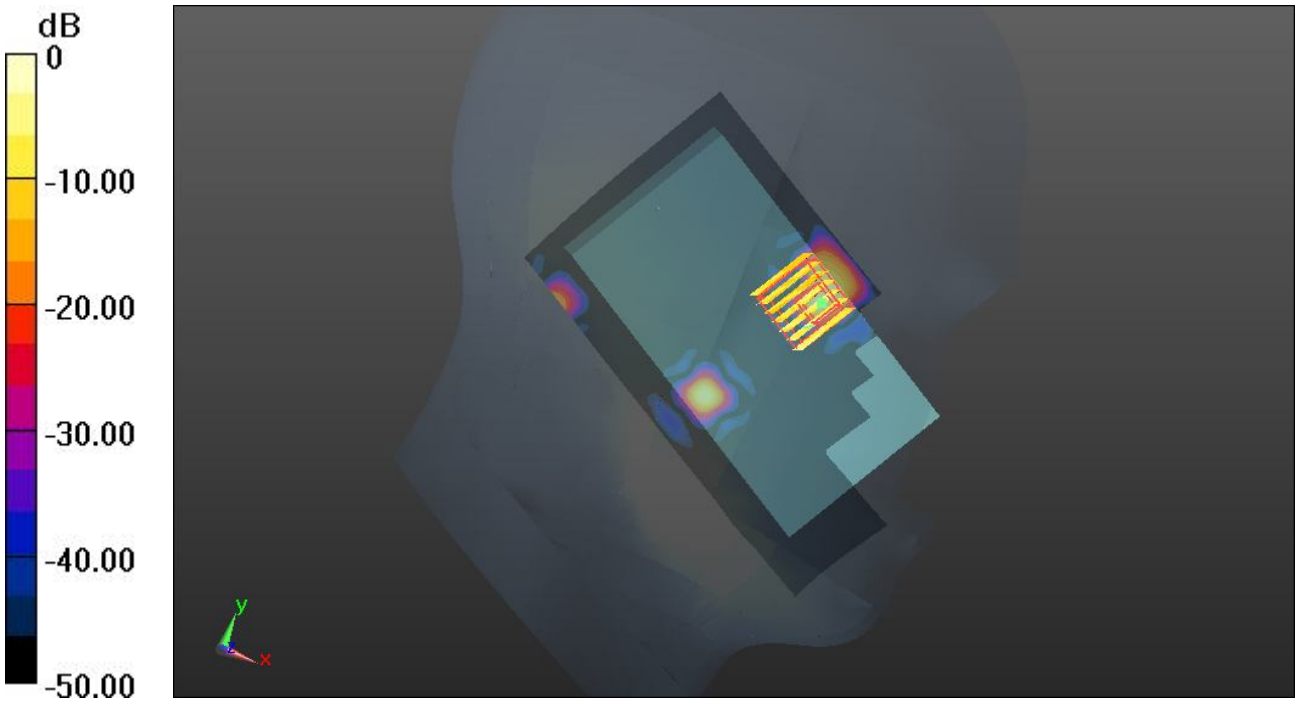
DUT: 340403-01

Communication System: WIFI; Frequency: 5320 MHz;Duty Cycle: 1:1.153
Medium: HSL_5G_130912 Medium parameters used: f = 5320 MHz; σ = 4.853 mho/m; ε_r = 36.837; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.85, 4.85, 4.85); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0366 W/kg

Ch64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.252 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.063 mW/g
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00427 mW/g
Maximum value of SAR (measured) = 0.0778 W/kg



0 dB = 0.0778 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.12

#260 WLAN 5.3GHz_802.11a 6Mbps_Right Cheek_Ch64_Battery #2

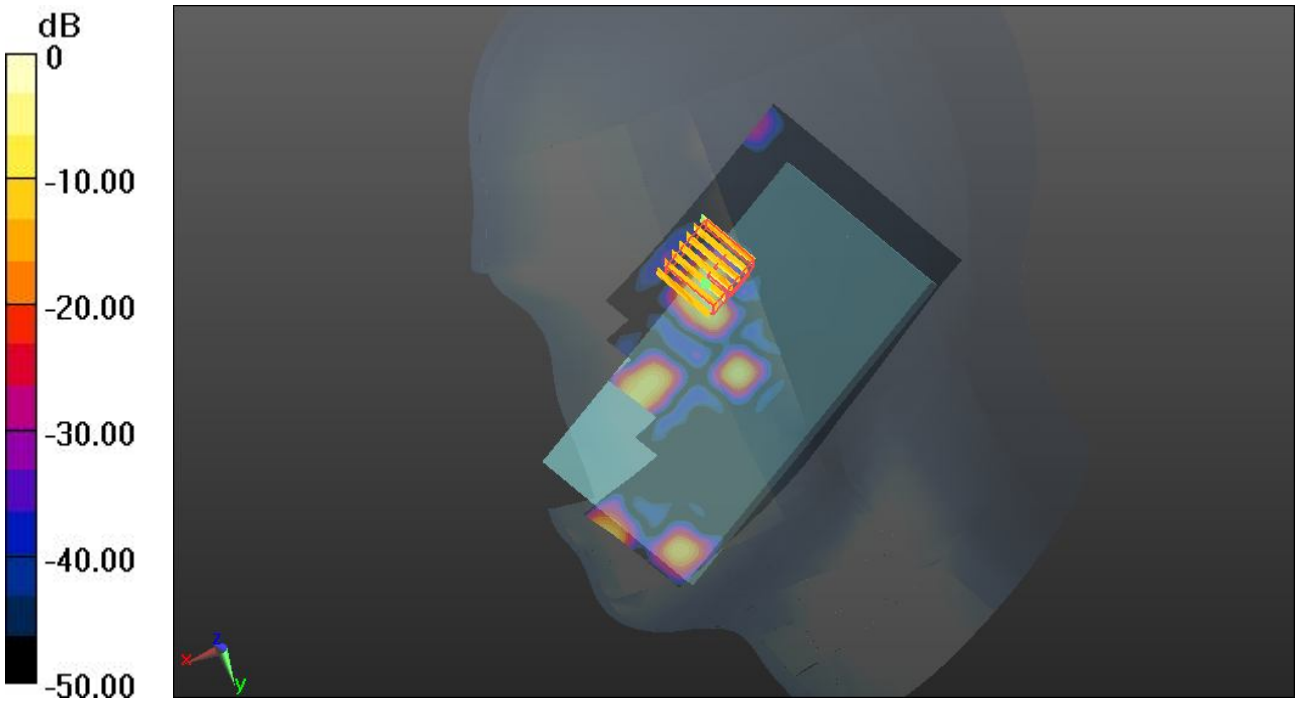
DUT: 340403-01

Communication System: WIFI; Frequency: 5320 MHz;Duty Cycle: 1:1.153
Medium: HSL_5G_130912 Medium parameters used: f = 5320 MHz; σ = 4.853 mho/m; ε_r = 36.837; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.85, 4.85, 4.85); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0755 W/kg

Ch64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.617 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.287 mW/g
SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.00605 mW/g
Maximum value of SAR (measured) = 0.167 W/kg



0 dB = 0.167 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.12

#251 WLAN 5.5GHz_802.11a 6Mbps_Right Cheek_Ch140_Battery #1

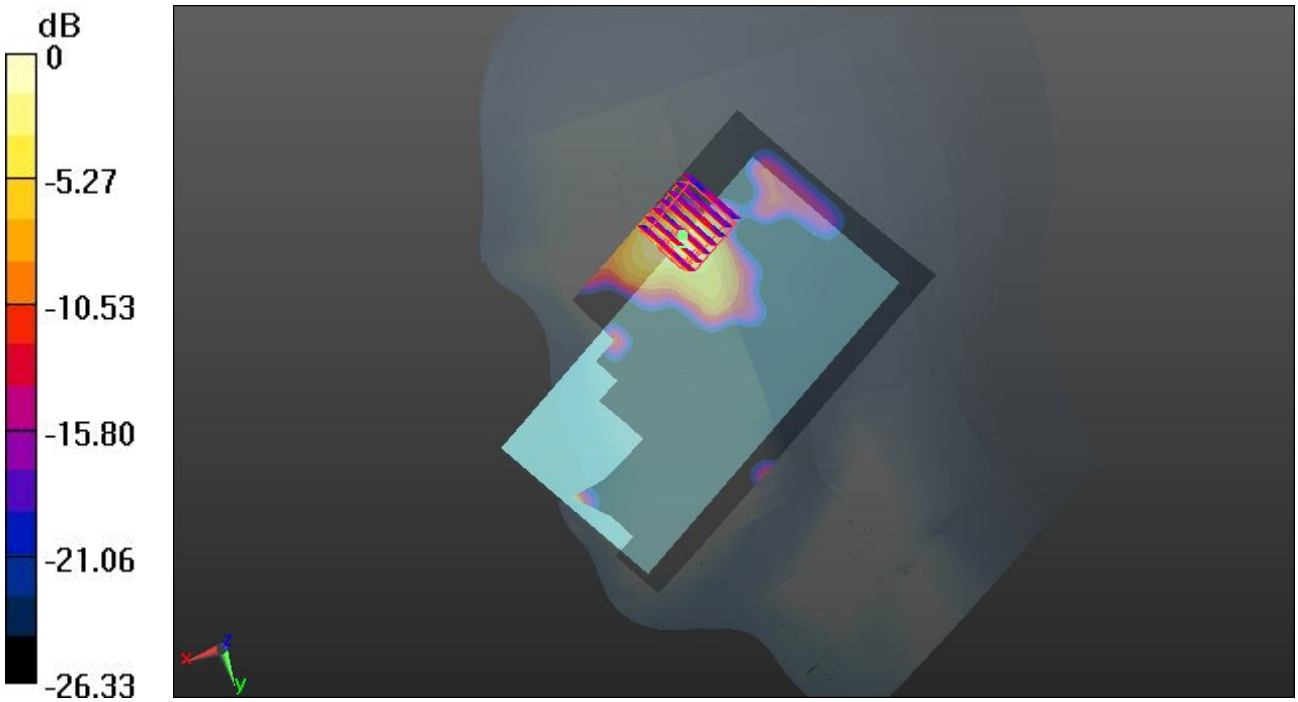
DUT: 340403-01

Communication System: WIFI; Frequency: 5700 MHz;Duty Cycle: 1:1.153
Medium: HSL_5800_130912 Medium parameters used: f = 5700 MHz; σ = 5.256 mho/m; ε_r = 35.631; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.34, 4.34, 4.34); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch140/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.517 W/kg

Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 7.951 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.766 mW/g
SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (measured) = 0.701 W/kg



0 dB = 0.701 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.12

#252 WLAN 5.5GHz_802.11a 6Mbps_Right Tilted_Ch140_Battery #1

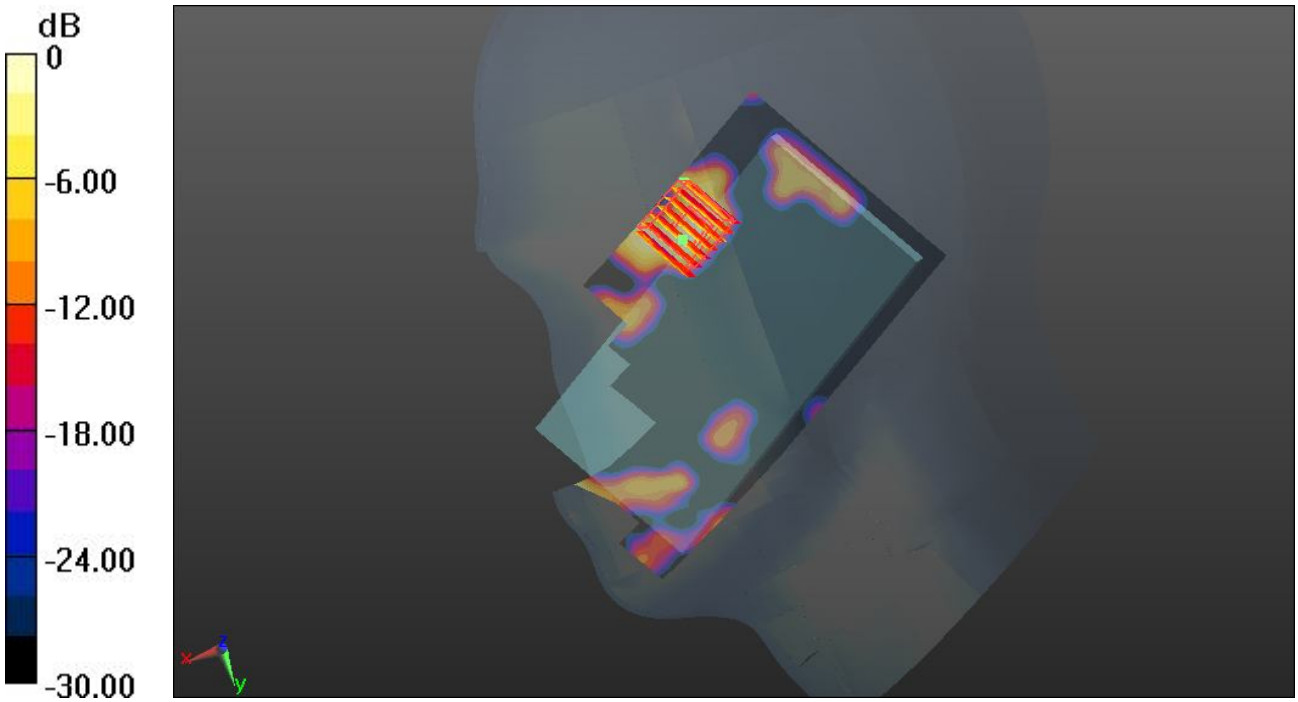
DUT: 340403-01

Communication System: WIFI; Frequency: 5700 MHz;Duty Cycle: 1:1.153
Medium: HSL_5800_130912 Medium parameters used: f = 5700 MHz; σ = 5.256 mho/m; ε_r = 35.631; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.34, 4.34, 4.34); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch140/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.196 W/kg

Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.917 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.290 mW/g
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.223 W/kg



0 dB = 0.223 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.12

#253 WLAN 5.5GHz_802.11a 6Mbps_Left Cheek_Ch140_Battery #1

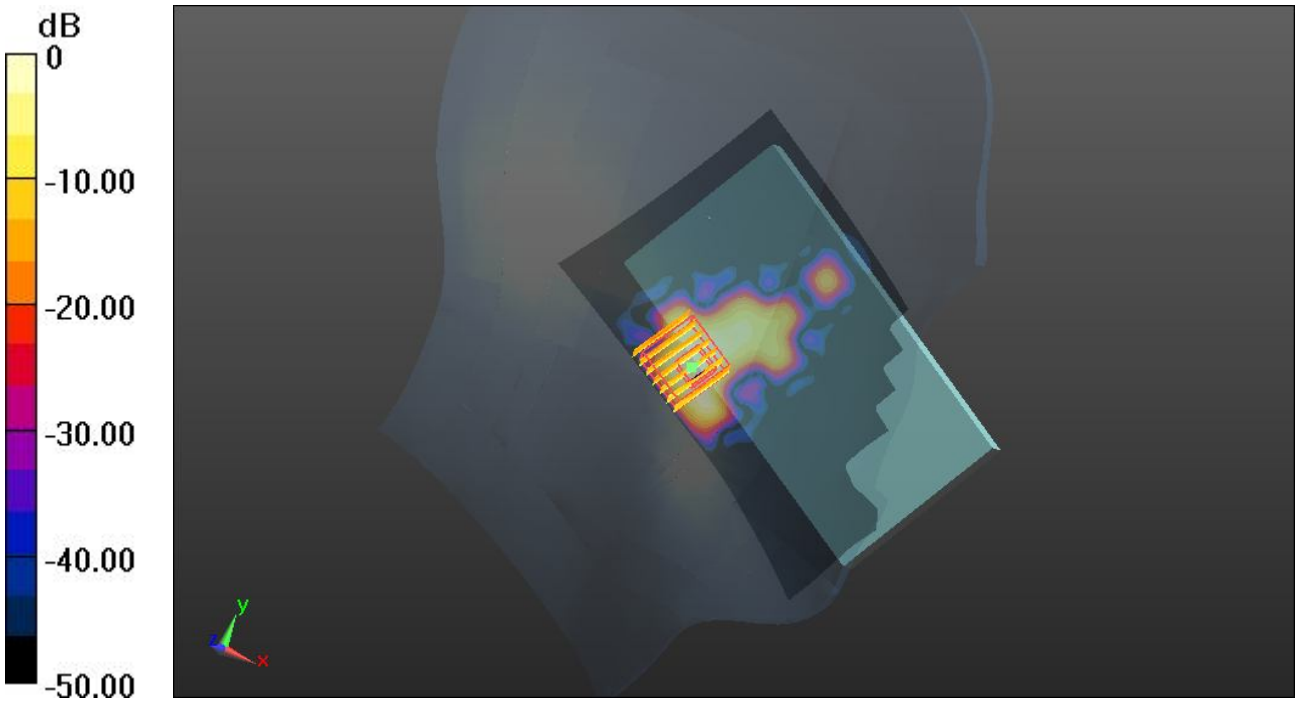
DUT: 340403-01

Communication System: WIFI; Frequency: 5700 MHz;Duty Cycle: 1:1.153
Medium: HSL_5800_130912 Medium parameters used: f = 5700 MHz; σ = 5.256 mho/m; ε_r = 35.631; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.34, 4.34, 4.34); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch140/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.509 W/kg

Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.255 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.374 mW/g
SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.254 W/kg



0 dB = 0.254 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.12

#254 WLAN 5.5GHz_802.11a 6Mbps_Left Tilted_Ch140_Battery #1

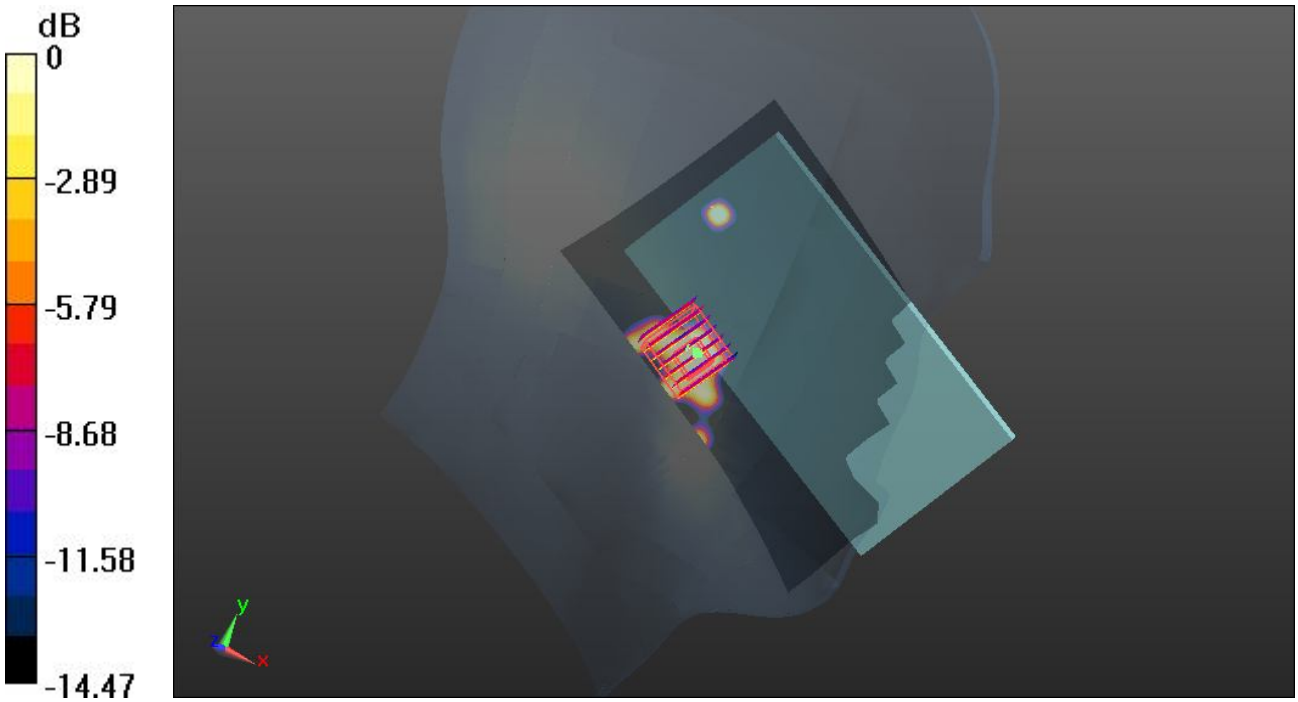
DUT: 340403-01

Communication System: WIFI; Frequency: 5700 MHz;Duty Cycle: 1:1.153
Medium: HSL_5800_130912 Medium parameters used: f = 5700 MHz; σ = 5.256 mho/m; ε_r = 35.631; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.34, 4.34, 4.34); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch140/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.211 W/kg

Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.207 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.248 mW/g
SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.0840 W/kg



0 dB = 0.0840 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.12

#255 WLAN 5.5GHz_802.11a 6Mbps_Right Cheek_Ch140_Battery #2

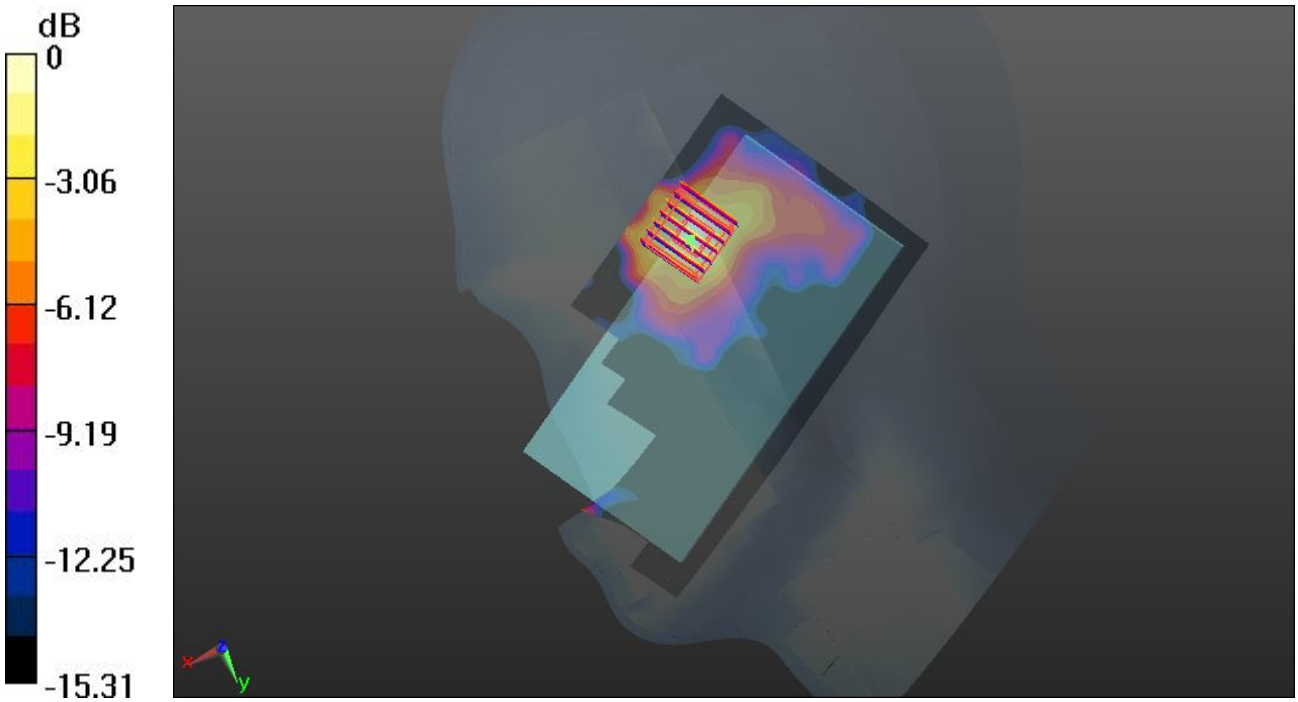
DUT: 340403-01

Communication System: WIFI; Frequency: 5700 MHz;Duty Cycle: 1:1.153
Medium: HSL_5800_130912 Medium parameters used: f = 5700 MHz; σ = 5.256 mho/m; ε_r = 35.631; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.34, 4.34, 4.34); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch140/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.443 W/kg

Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.910 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.609 mW/g
SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.132 mW/g
Maximum value of SAR (measured) = 0.476 W/kg



0 dB = 0.476 W/kg

#48 WLAN 5.8GHz_802.11a 6Mbps_Right Cheek_Ch161_Battery #1

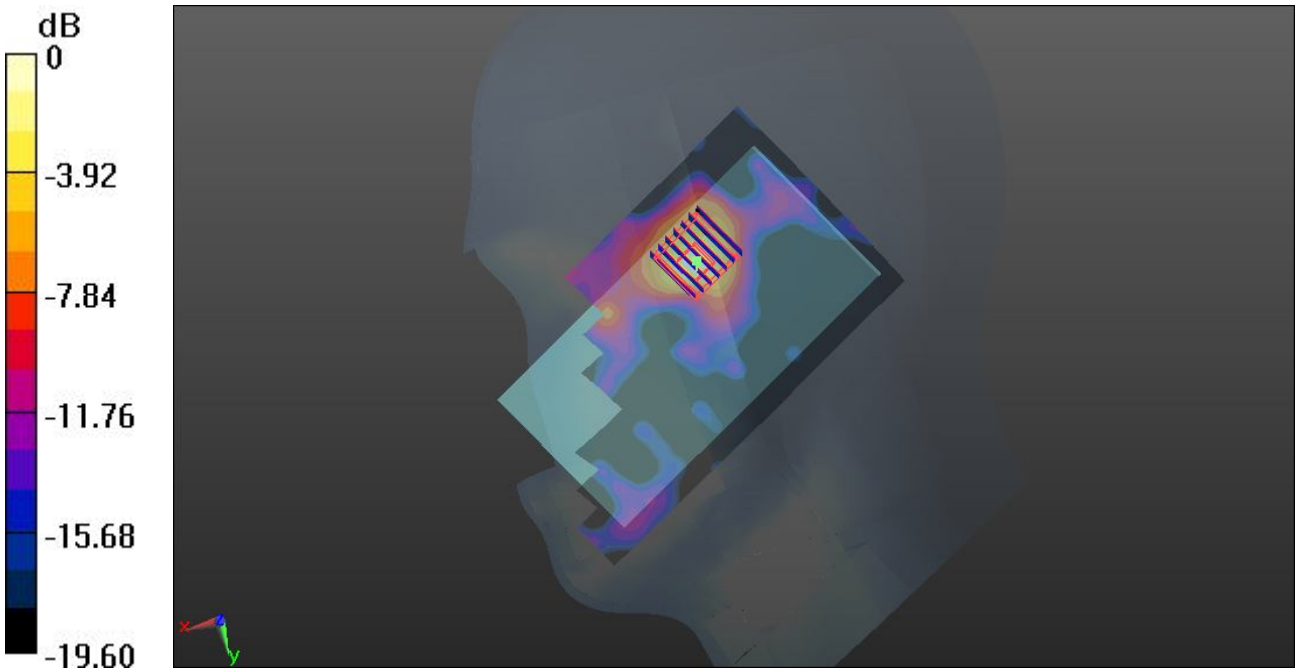
DUT: 340403-01

Communication System: WIFI; Frequency: 5805 MHz;Duty Cycle: 1:1.146
Medium: HSL_5805_130827 Medium parameters used: f = 5805 MHz; σ = 5.442 mho/m; ε_r = 35.717; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.57, 4.57, 4.57); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch161/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.649 W/kg

Ch161/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 11.680 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.097 mW/g
SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.703 W/kg



0 dB = 0.703 W/kg

#49 WLAN 5.8GHz_802.11a 6Mbps_Right Tilted_Ch161_Battery #1

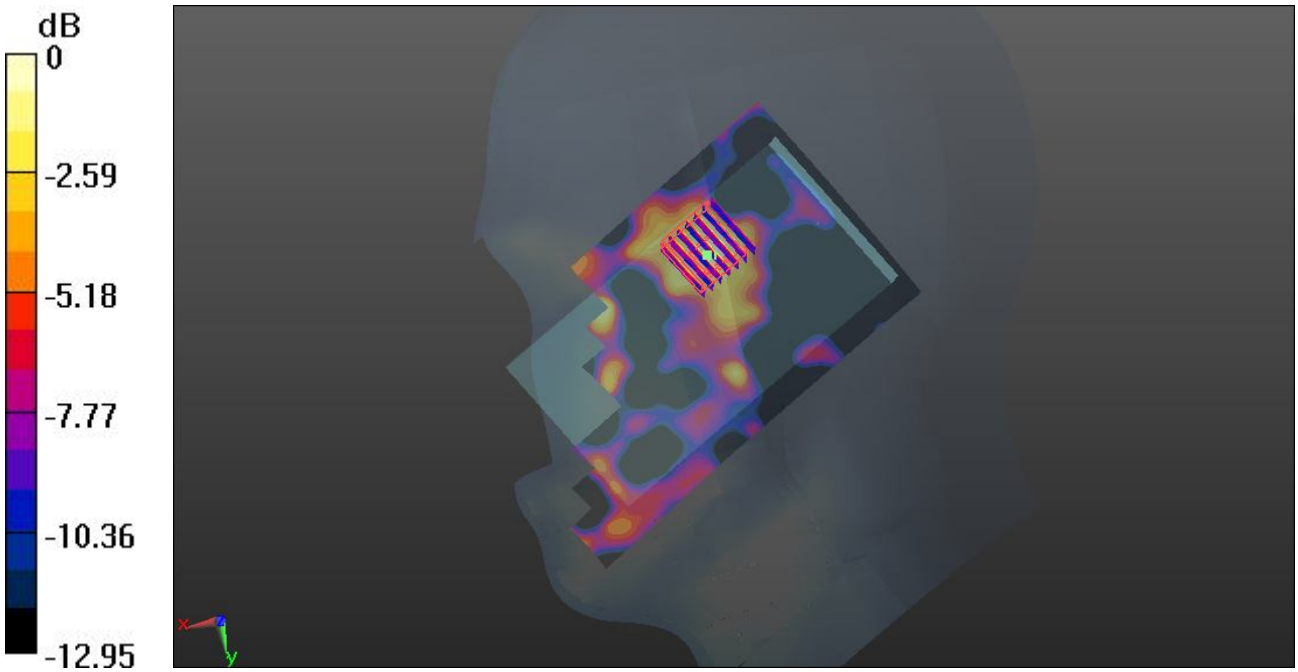
DUT: 340403-01

Communication System: WIFI; Frequency: 5805 MHz;Duty Cycle: 1:1.146
Medium: HSL_5805_130827 Medium parameters used: f = 5805 MHz; σ = 5.442 mho/m; ε_r = 35.717; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.57, 4.57, 4.57); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch161/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.142 W/kg

Ch161/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.555 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.221 mW/g
SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.029 mW/g
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: 2013.08.27

#50 WLAN 5.8GHz_802.11a 6Mbps_Left Cheek_Ch161_Battery #1

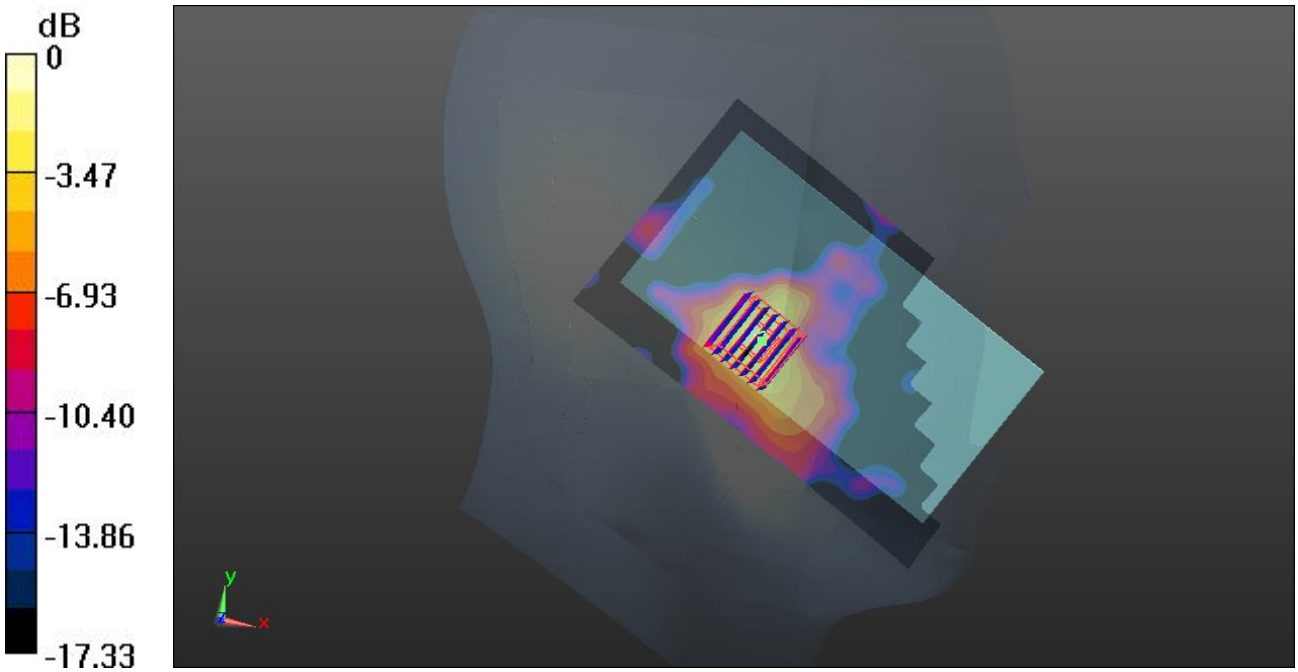
DUT: 340403-01

Communication System: WIFI; Frequency: 5805 MHz;Duty Cycle: 1:1.146
Medium: HSL_5805_130827 Medium parameters used: f = 5805 MHz; σ = 5.442 mho/m; ε_r = 35.717; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.57, 4.57, 4.57); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch161/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.440 W/kg

Ch161/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.696 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.721 mW/g
SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.432 W/kg



0 dB = 0.432 W/kg

#51 WLAN 5.8GHz_802.11a 6Mbps_Left Tilted_Ch161_Battery #1

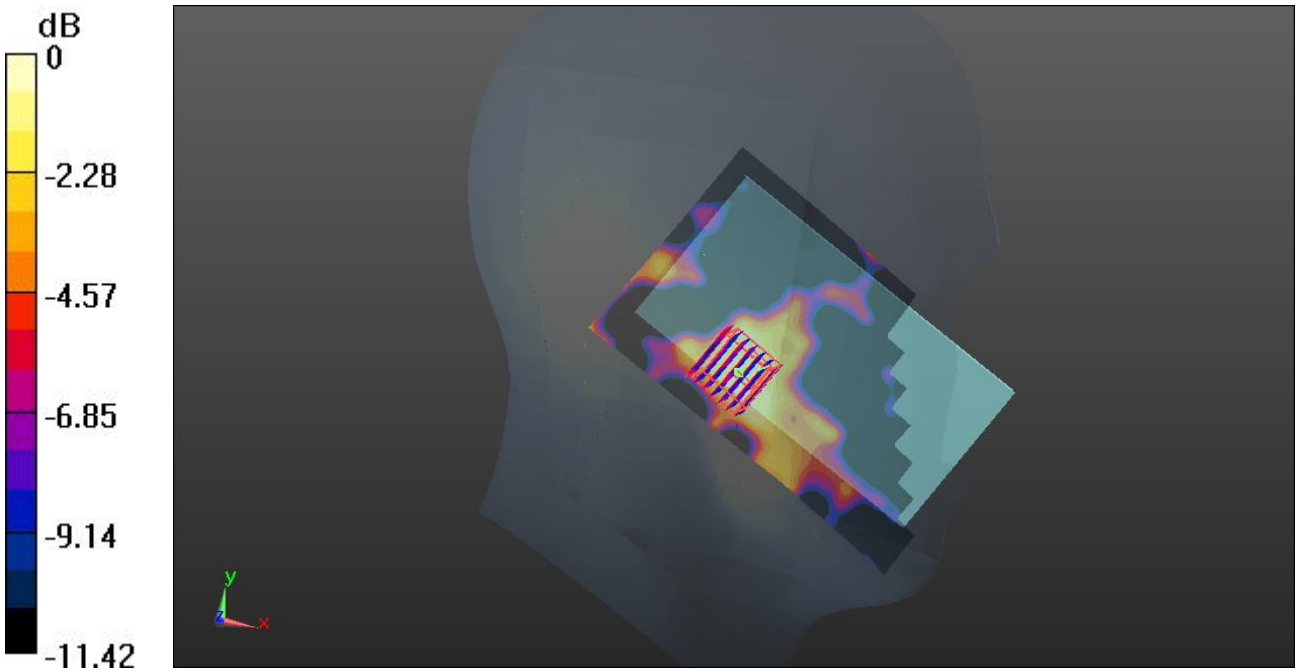
DUT: 340403-01

Communication System: WIFI; Frequency: 5805 MHz;Duty Cycle: 1:1.146
Medium: HSL_5805_130827 Medium parameters used: f = 5805 MHz; σ = 5.442 mho/m; ε_r = 35.717; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.57, 4.57, 4.57); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch161/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.100 W/kg

Ch161/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.583 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.177 mW/g
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.110 W/kg



0 dB = 0.110 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#52 WLAN 5.8GHz_802.11a 6Mbps_Right Cheek_Ch161_Battery #2

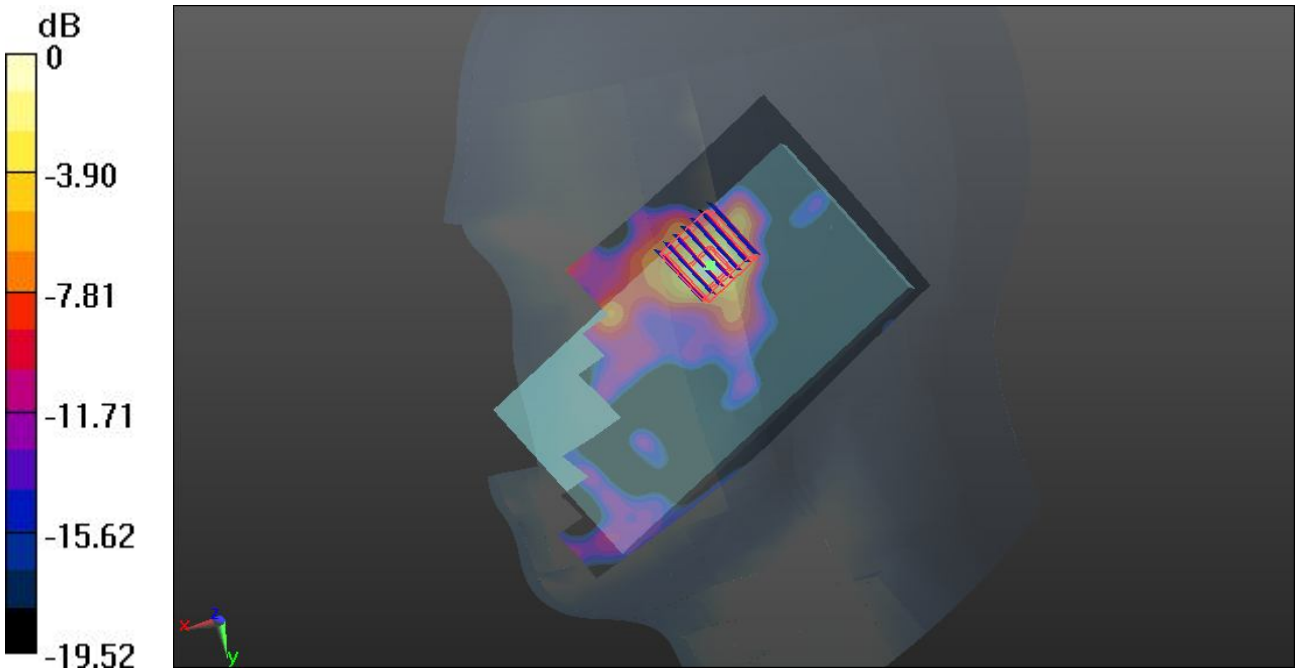
DUT: 340403-01

Communication System: WIFI; Frequency: 5805 MHz;Duty Cycle: 1:1.146
Medium: HSL_5805_130827 Medium parameters used: f = 5805 MHz; σ = 5.442 mho/m; ε_r = 35.717; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.57, 4.57, 4.57); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch161/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.572 W/kg

Ch161/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.440 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.061 mW/g
SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.619 W/kg



0 dB = 0.619 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.16

#27 GSM1900_DTM 5 (2 Tx slots)_Front_1cm_Ch661_Battery #1

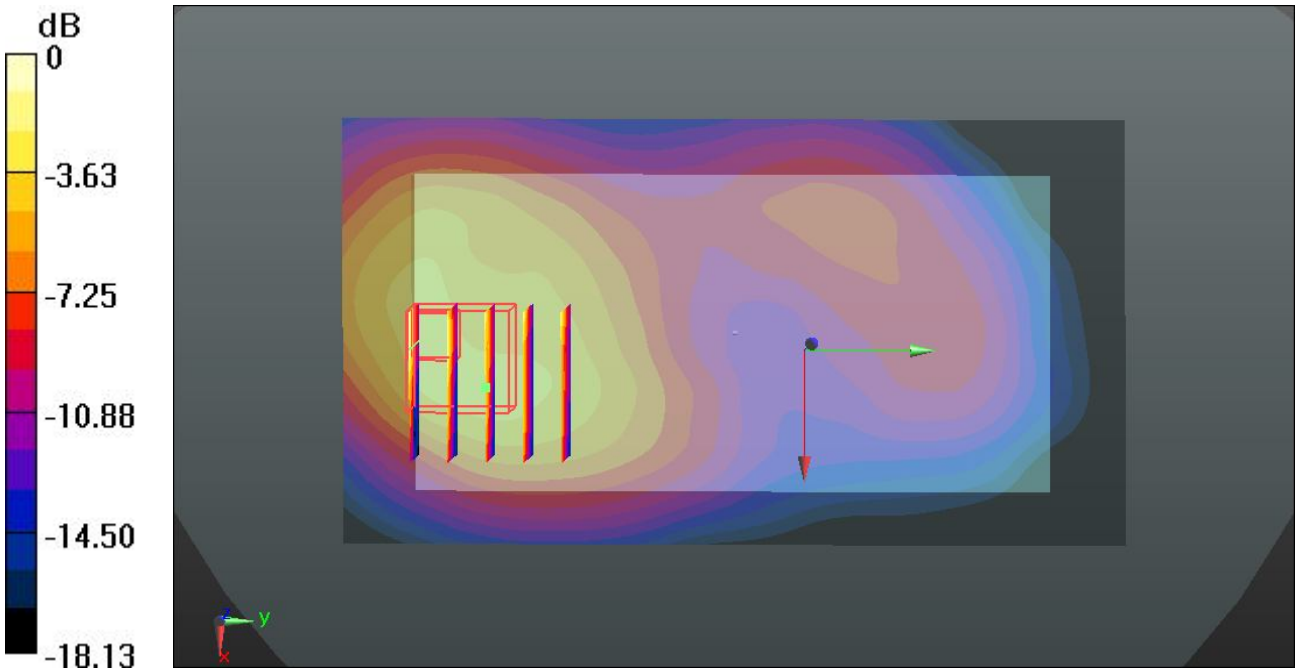
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.489 mho/m; ε_r = 53.955; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.250 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.214 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.653 mW/g
SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.470 W/kg



0 dB = 0.470 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.16

#28 GSM1900_DTM 5 (2 Tx slots)_Back_1cm_Ch661_Battery #1

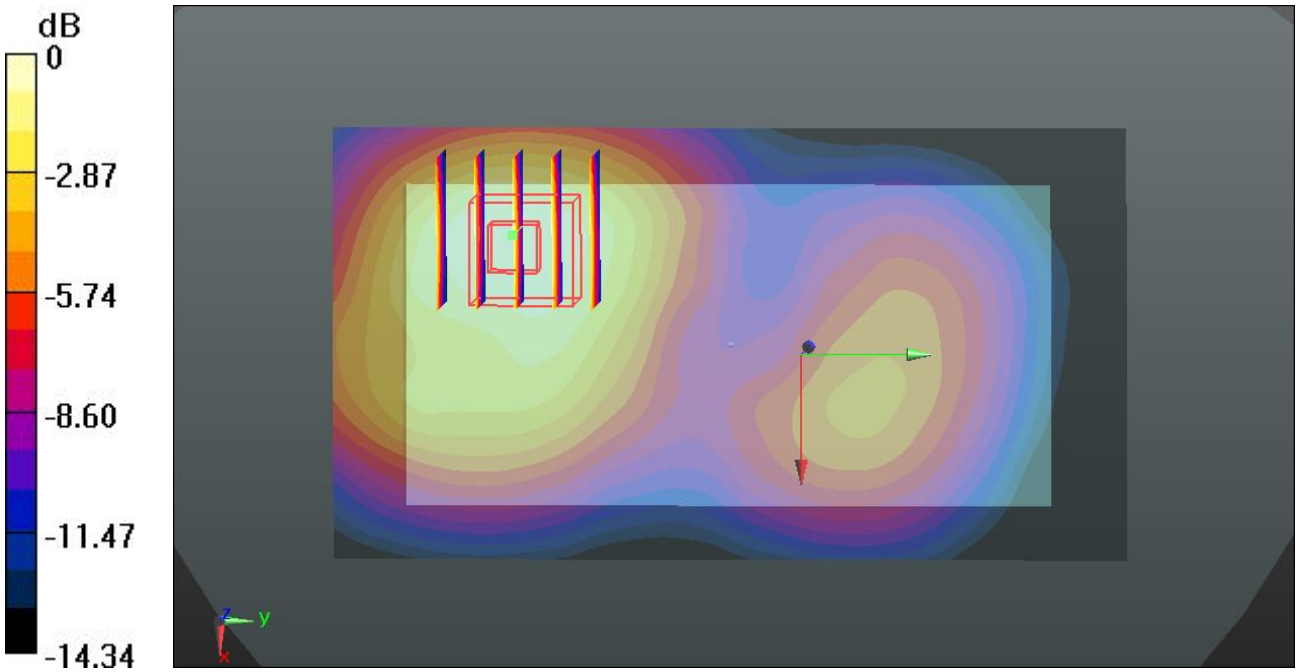
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.489 mho/m; ε_r = 53.955; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.684 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.254 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.821 mW/g
SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.329 mW/g
Maximum value of SAR (measured) = 0.674 W/kg



0 dB = 0.674 W/kg

#29 GSM1900_DTM 5 (2 Tx slots)_Left Side_1cm_Ch661_Battery #1

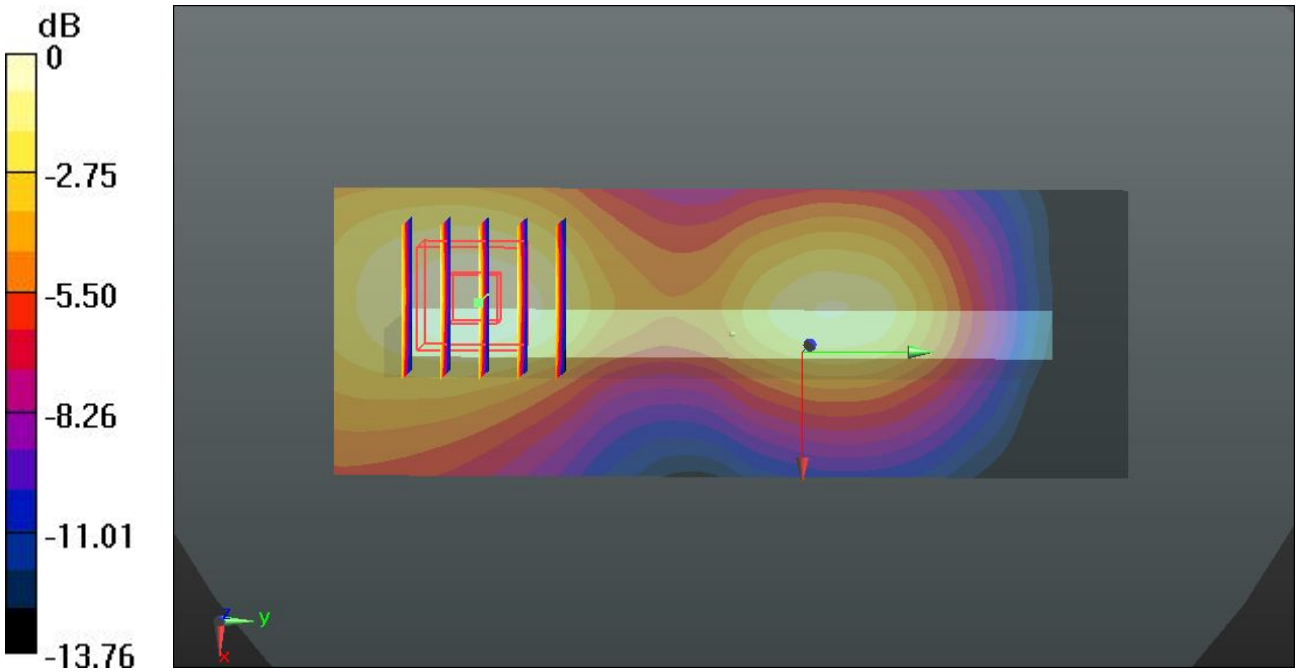
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.489 mho/m; ε_r = 53.955; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (41x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.181 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.716 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.219 mW/g
SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.182 W/kg



0 dB = 0.182 W/kg

#30 GSM1900_DTM 5 (2 Tx slots)_Right Side_1cm_Ch661_Battery #1

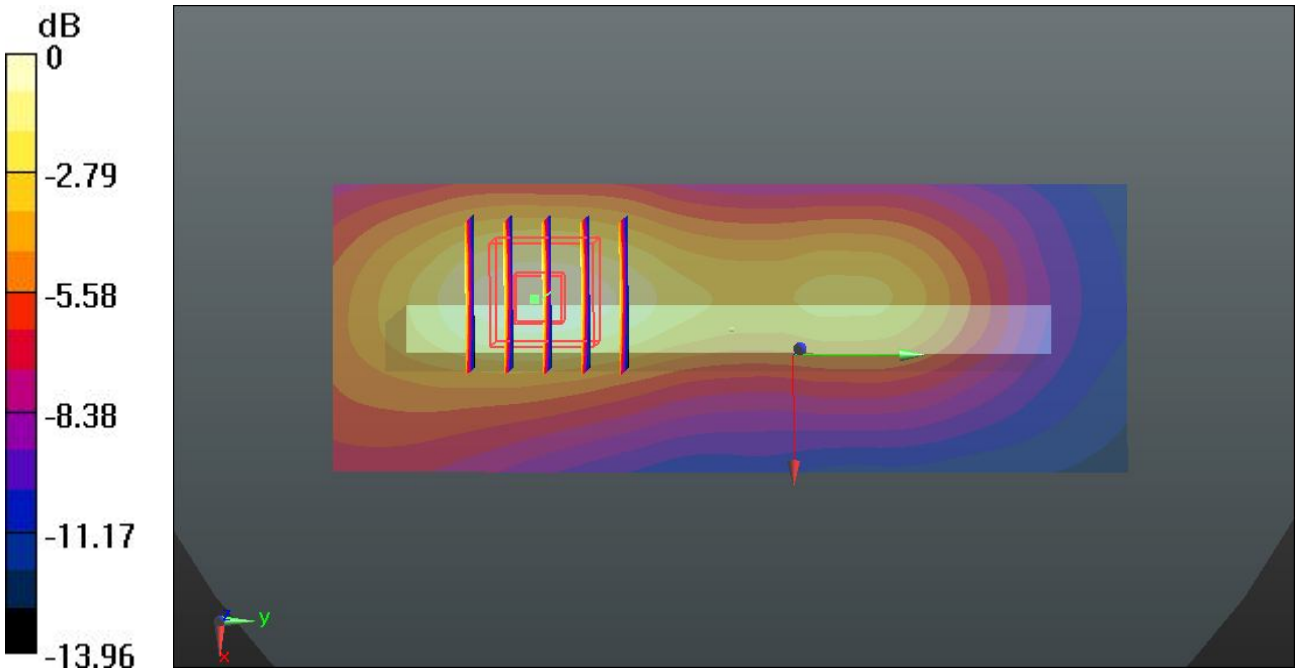
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.489 mho/m; ε_r = 53.955; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (41x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.214 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.285 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.258 mW/g
SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.214 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.16

#31 GSM1900_DTM 5 (2 Tx slots)_Bottom Side_1cm_Ch661_Battery #1

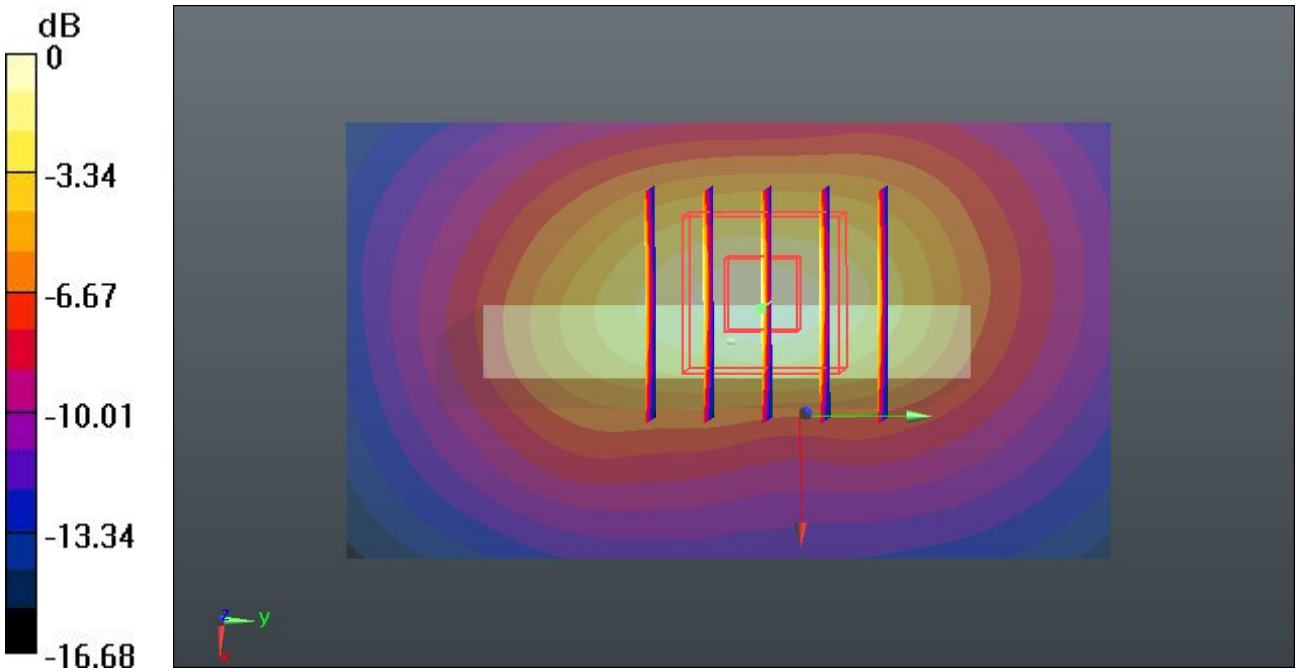
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.489 mho/m; ε_r = 53.955; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (41x71x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.558 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.966 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.736 mW/g
SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.236 mW/g
Maximum value of SAR (measured) = 0.601 W/kg



0 dB = 0.601 W/kg

#32 GSM1900_DTM 5 (2 Tx slots)_Back_1cm_Ch661_Battery #2

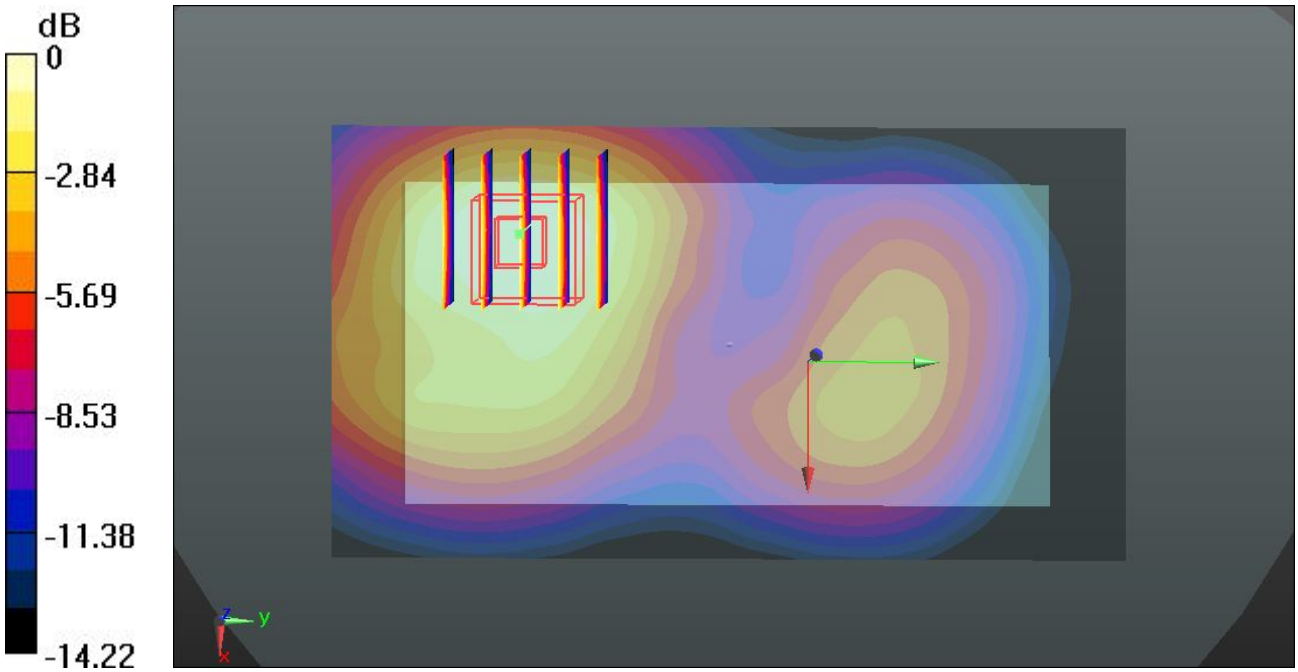
DUT: 340403-01

Communication System: GPRS/EDGE10; Frequency: 1880 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_130816 Medium parameters used: f = 1880 MHz; σ = 1.489 mho/m; ε_r = 53.955; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch661/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.608 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.128 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.724 mW/g
SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.291 mW/g
Maximum value of SAR (measured) = 0.600 W/kg



0 dB = 0.600 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#201 LTE Band 7_QPSK 1RB 0offset_Front_1cm_Ch21020_Battery #1

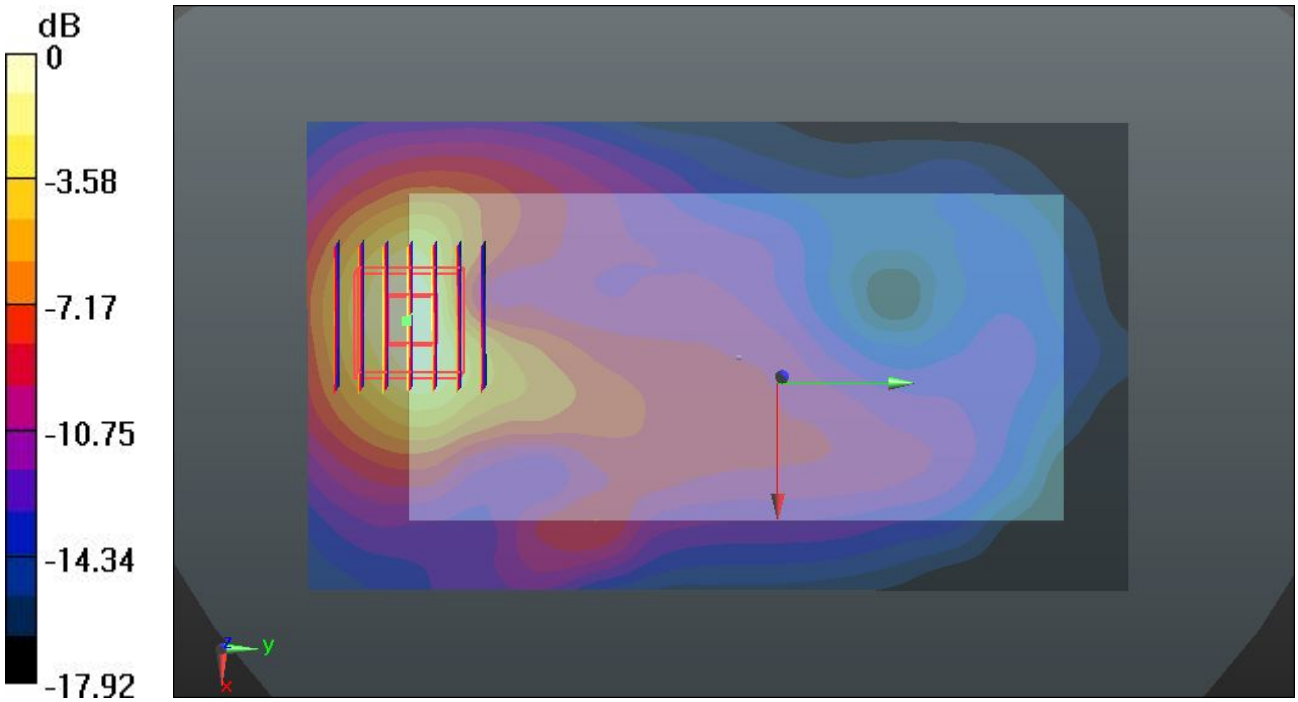
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2527 MHz; σ = 2.077 mho/m; ε_r = 53.931; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.417 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.609 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.548 mW/g
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.140 mW/g
Maximum value of SAR (measured) = 0.409 W/kg



0 dB = 0.409 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#202 LTE Band 7_QPSK 1RB 0offset_Back_1cm_Ch21020_Battery #1

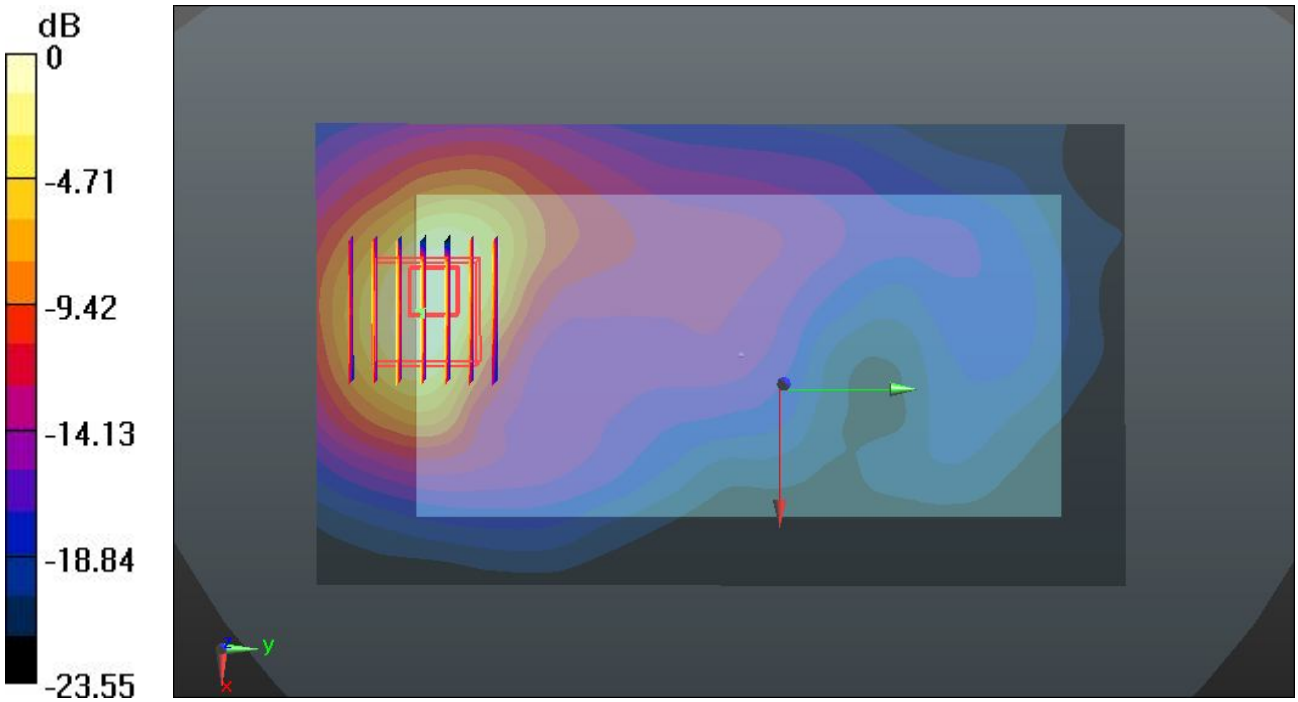
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2527 MHz; σ = 2.077 mho/m; ε_r = 53.931; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.37 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.678 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 2.186 mW/g
SAR(1 g) = 1.060 mW/g; SAR(10 g) = 0.438 mW/g
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: 2013.09.05

#207 LTE Band 7_QPSK 1RB 0offset_Back_1cm_Ch21020_Battery #1_Repeat SAR

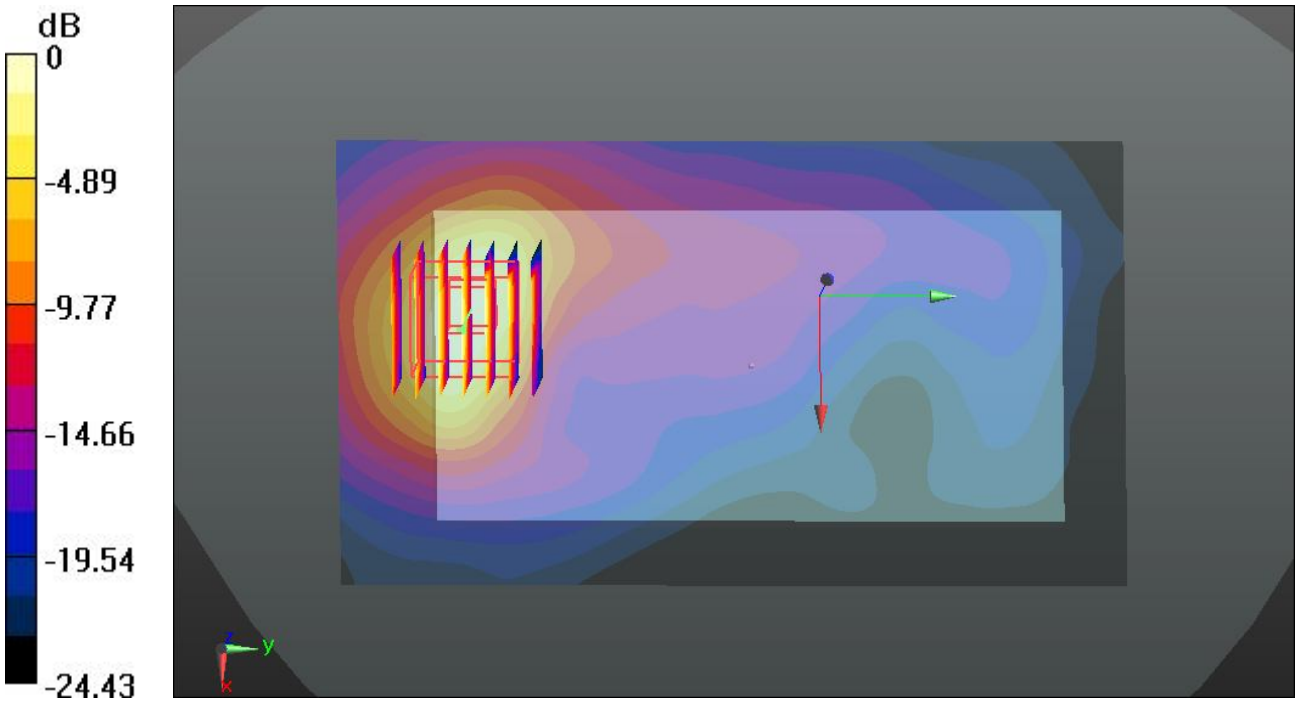
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2527 MHz; σ = 2.077 mho/m; ε_r = 53.931; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.53 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.714 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.402 mW/g
SAR(1 g) = 1.050 mW/g; SAR(10 g) = 0.494 mW/g
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: 2013.09.05

#203 LTE Band 7_QPSK 1RB 0offset_Left Side_1cm_Ch21020_Battery #1

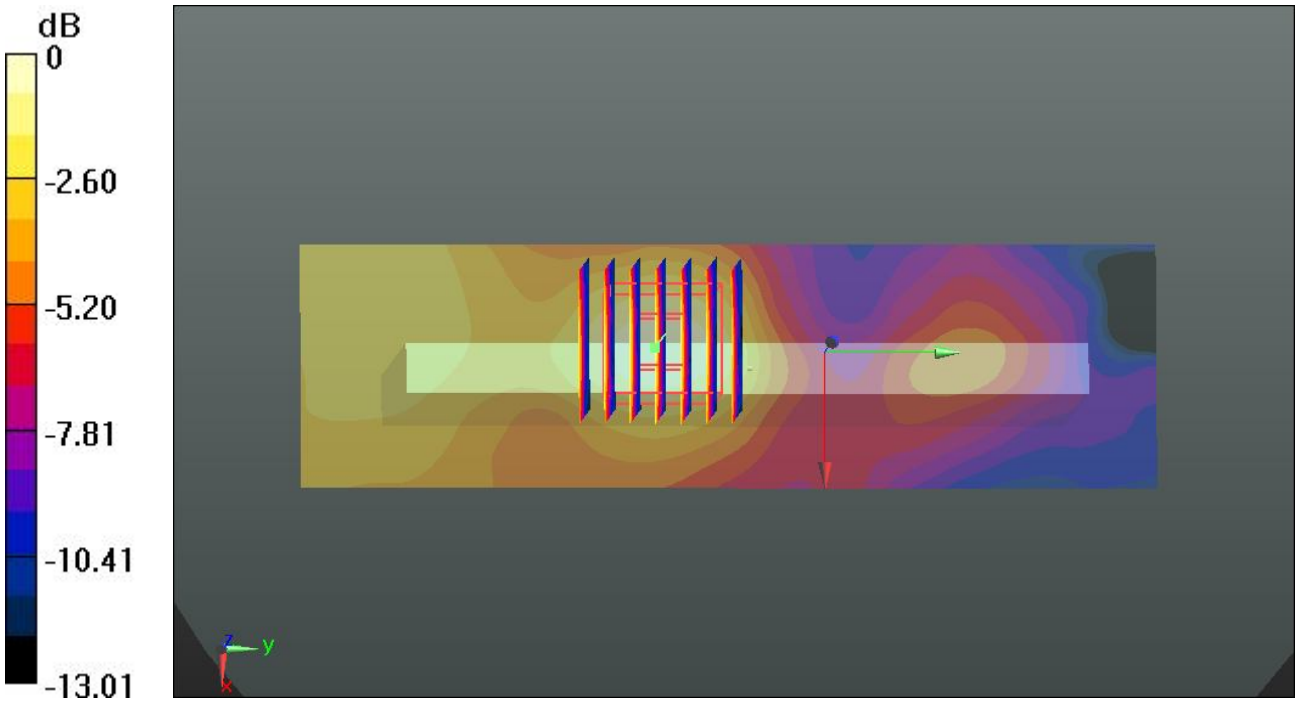
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2527 MHz; σ = 2.077 mho/m; ε_r = 53.931; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (41x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0631 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.677 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.083 mW/g
SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.0637 W/kg



0 dB = 0.0637 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#204 LTE Band 7_QPSK 1RB 0offset_Right Side_1cm_Ch21020_Battery #1

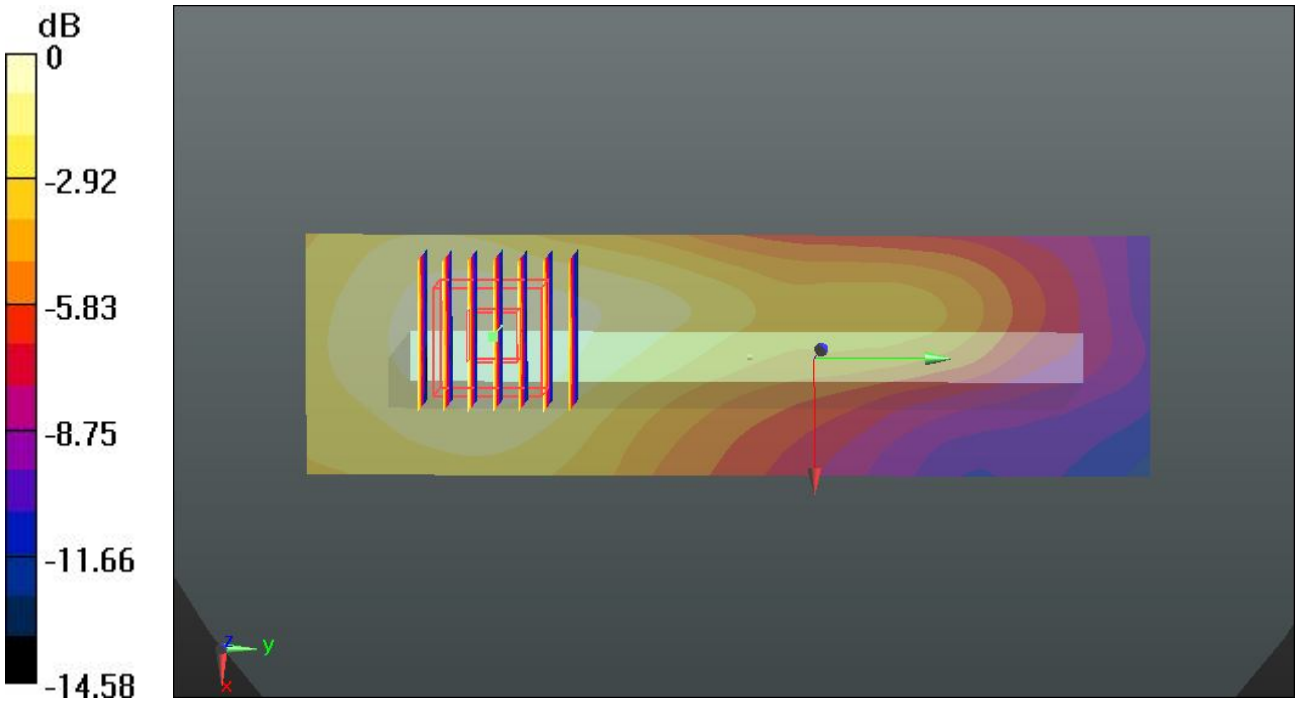
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2527 MHz; σ = 2.077 mho/m; ε_r = 53.931; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (41x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0931 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.839 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.121 mW/g
SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.041 mW/g
Maximum value of SAR (measured) = 0.0929 W/kg



0 dB = 0.0929 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#205 LTE Band 7_QPSK 1RB 0offset_Bottom Side_1cm_Ch21020_Battery #1

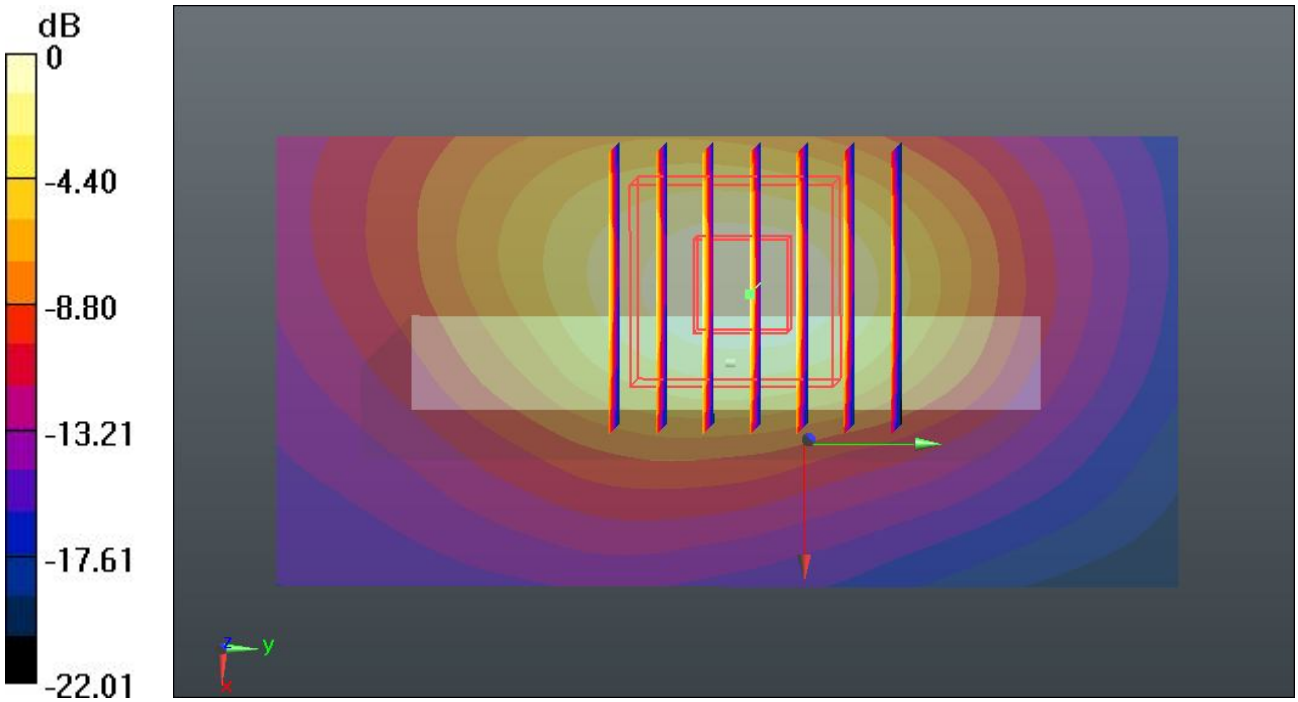
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2527 MHz; σ = 2.077 mho/m; ε_r = 53.931; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (41x81x1): 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 = 3.180 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.513 mW/g
SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.353 mW/g
Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#206 LTE Band 7_QPSK 1RB 0offset_Back_1cm_Ch20890_Battery #1

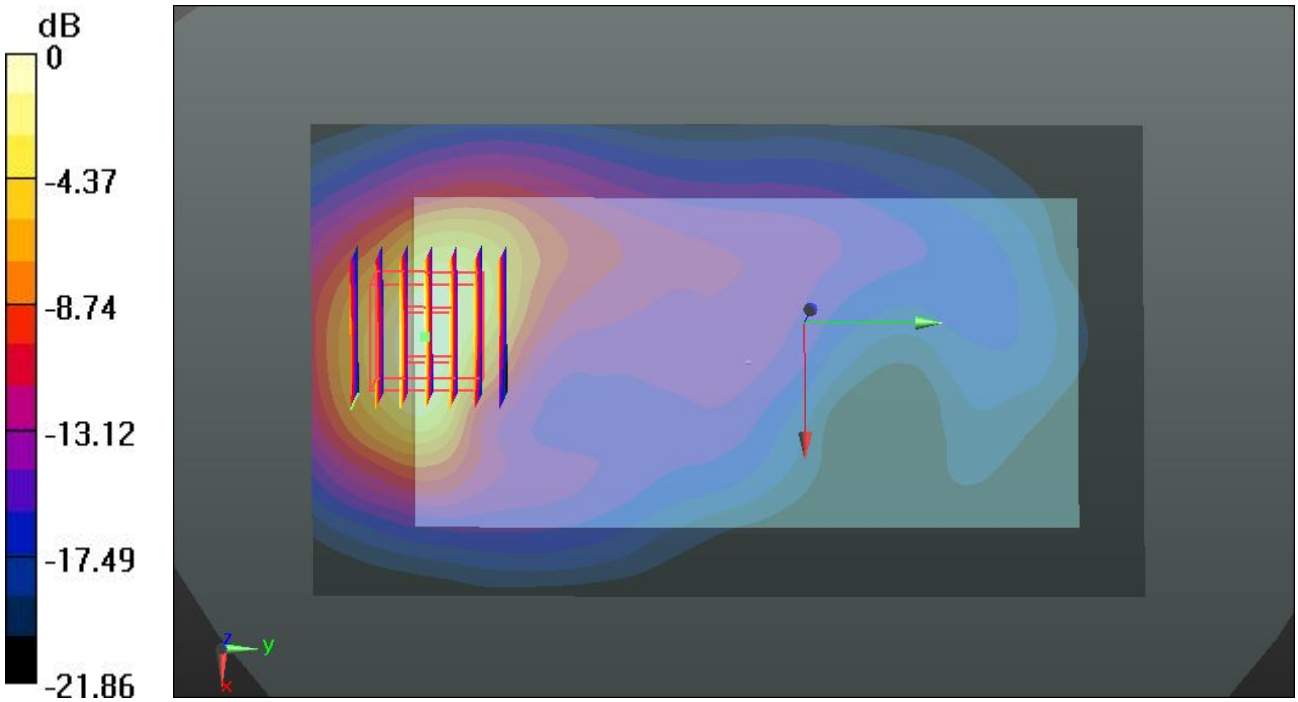
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.49 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.837 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.855 mW/g
SAR(1 g) = 0.944 mW/g; SAR(10 g) = 0.449 mW/g
Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.40 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#208 LTE Band 7_QPSK 1RB 0offset_Bottom Side_1cm_Ch20890_Battery #1

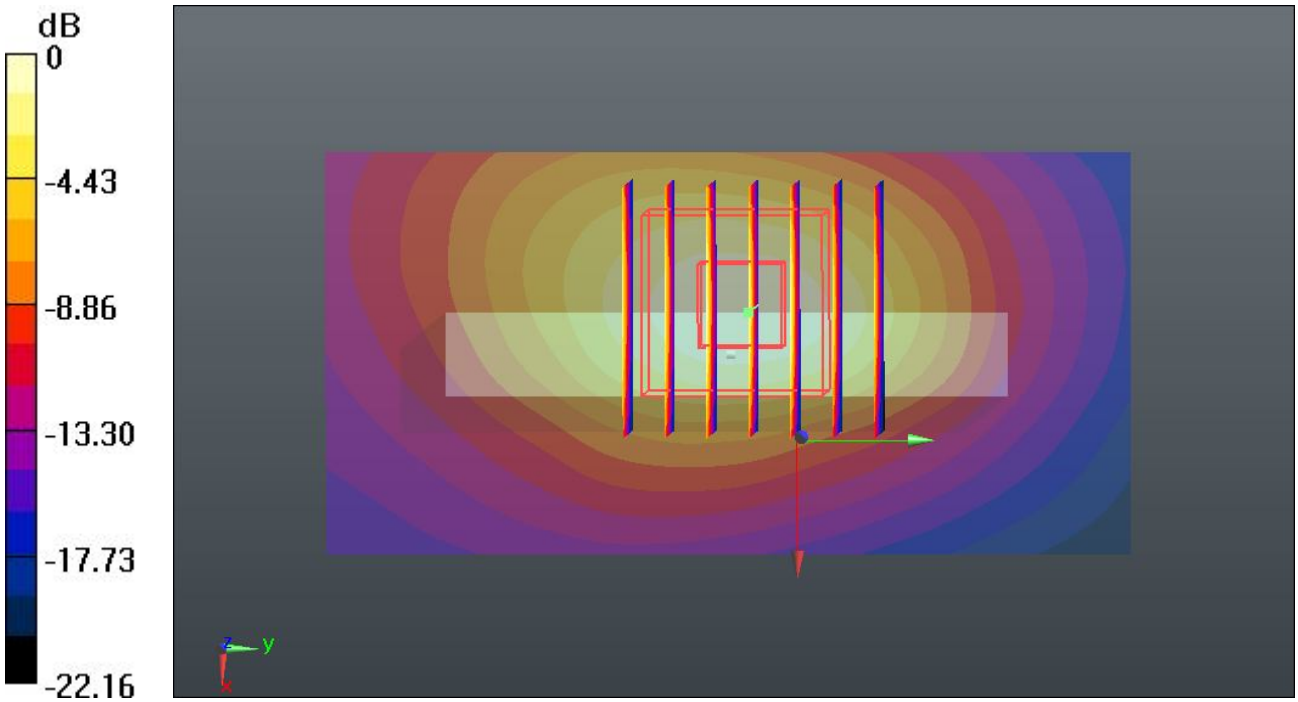
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (41x81x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.964 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.520 mW/g
SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.357 mW/g
Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#209 LTE Band 7_QPSK 1RB 0offset_Back_1cm_Ch21020_Battery #2

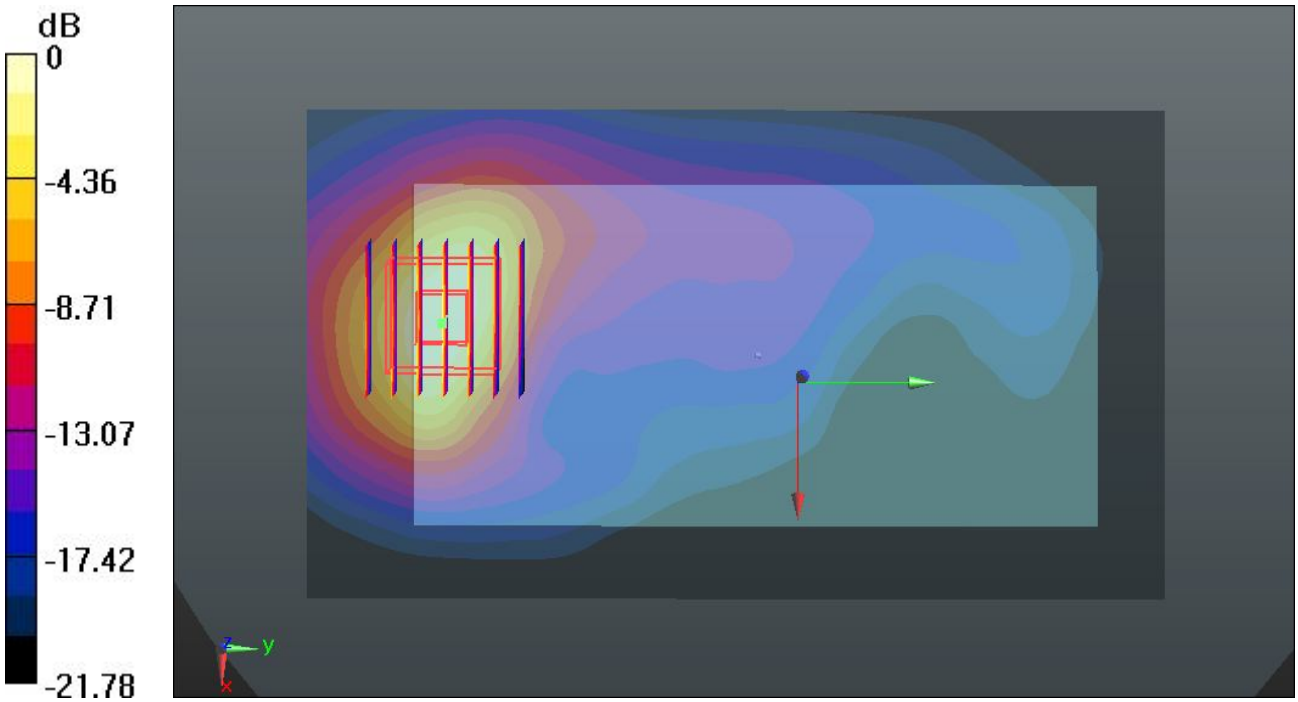
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2527 MHz; σ = 2.077 mho/m; ε_r = 53.931; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.64 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.755 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.048 mW/g
SAR(1 g) = 1.050 mW/g; SAR(10 g) = 0.503 mW/g
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: 2013.09.05

#224 LTE Band 7_QPSK 1RB 0offset_Back_1cm_Ch20890_Battery #2

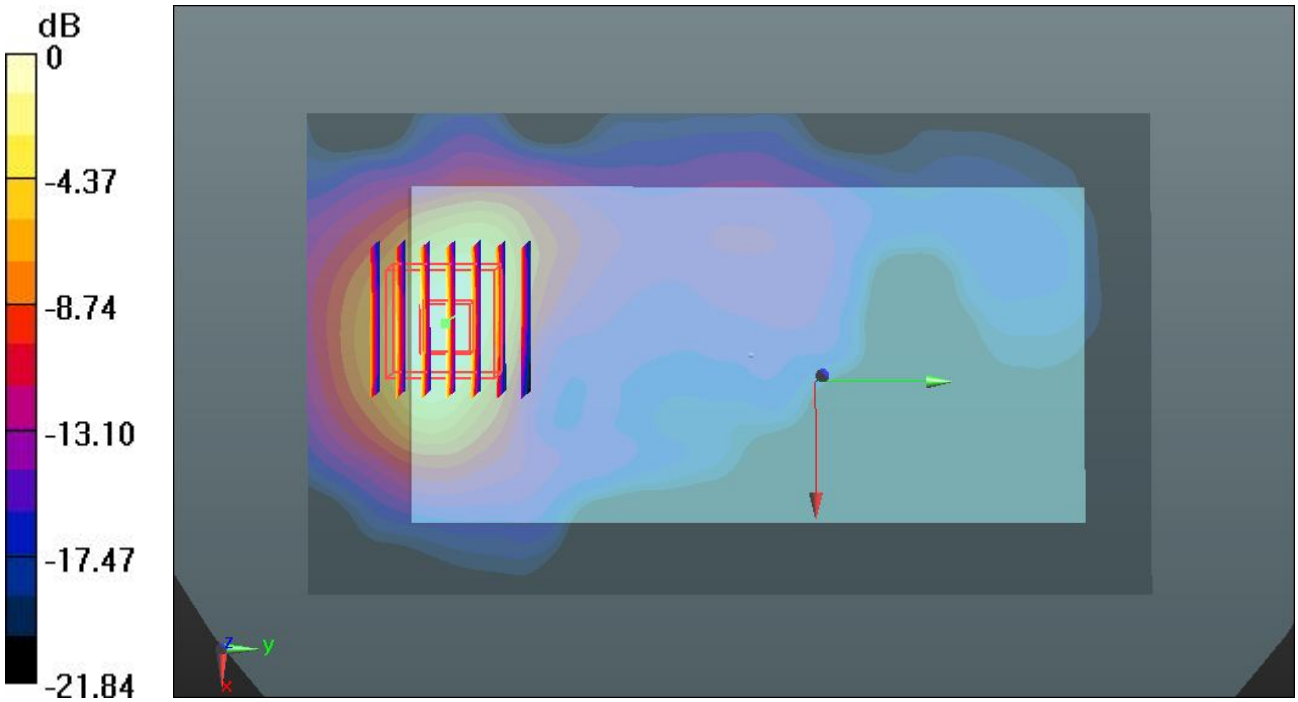
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.894; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 2.05 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.995 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.943 mW/g
SAR(1 g) = 0.948 mW/g; SAR(10 g) = 0.462 mW/g
Maximum value of SAR (measured) = 1.47 W/kg



0 dB = 1.47 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#210 LTE Band 7_QPSK 50RB 0offset_Front_1cm_Ch20890_Battery #1

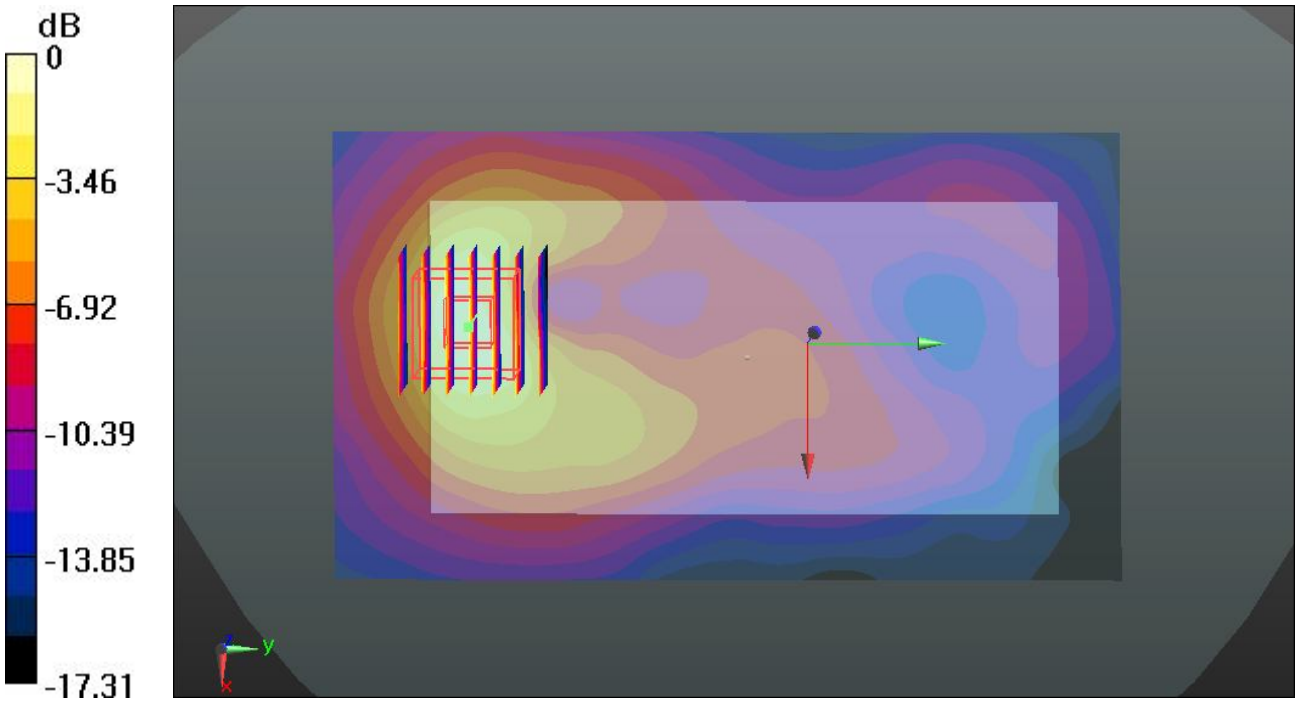
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.247 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.836 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.332 mW/g
SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.252 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#211 LTE Band 7_QPSK 50RB 0offset_Back_1cm_Ch20890_Battery #1

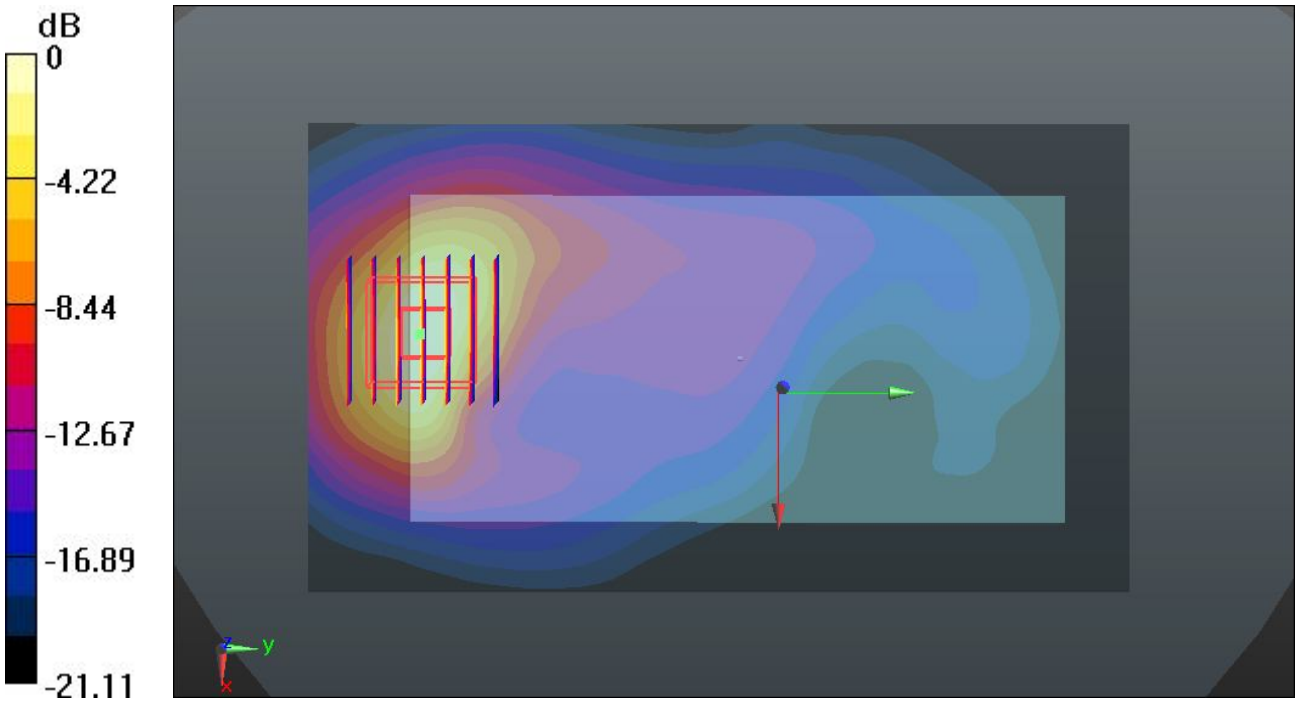
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.39 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.650 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.694 mW/g
SAR(1 g) = 0.866 mW/g; SAR(10 g) = 0.414 mW/g
Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#212 LTE Band 7_QPSK 50RB 0offset_Left Side_1cm_Ch20890_Battery #1

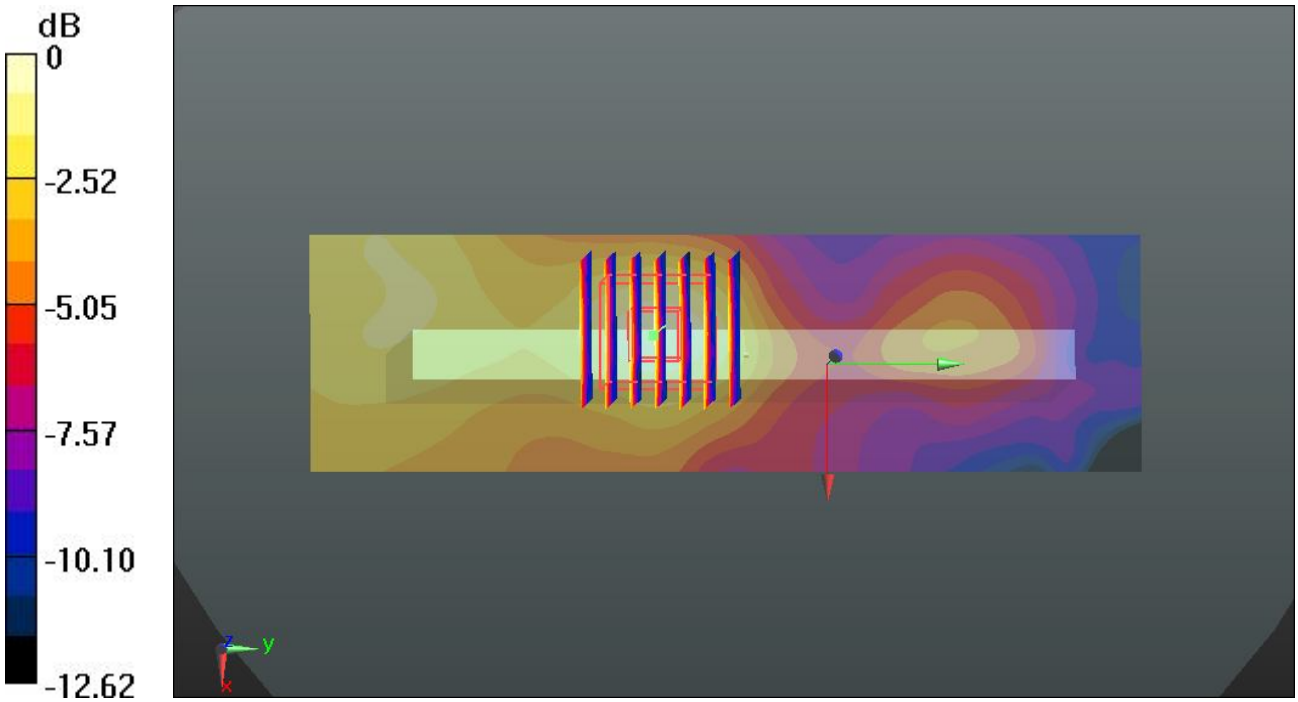
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (41x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0524 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.640 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.071 mW/g
SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.0545 W/kg



0 dB = 0.0545 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#213 LTE Band 7_QPSK 50RB 0offset_Right Side_1cm_Ch20890_Battery #1

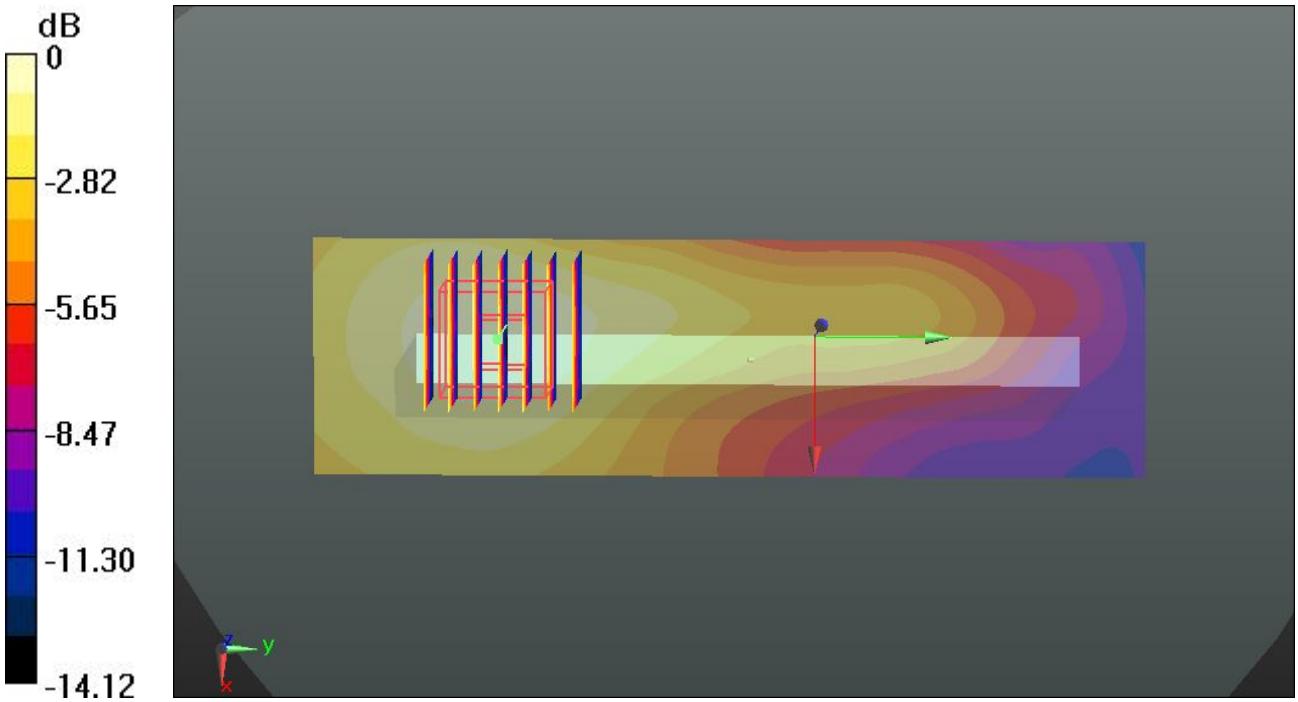
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (41x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0863 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.001 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.115 mW/g
SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.0865 W/kg



0 dB = 0.0865 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#214 LTE Band 7_QPSK 50RB 0offset_Bottom Side_1cm_Ch20890_Battery #1

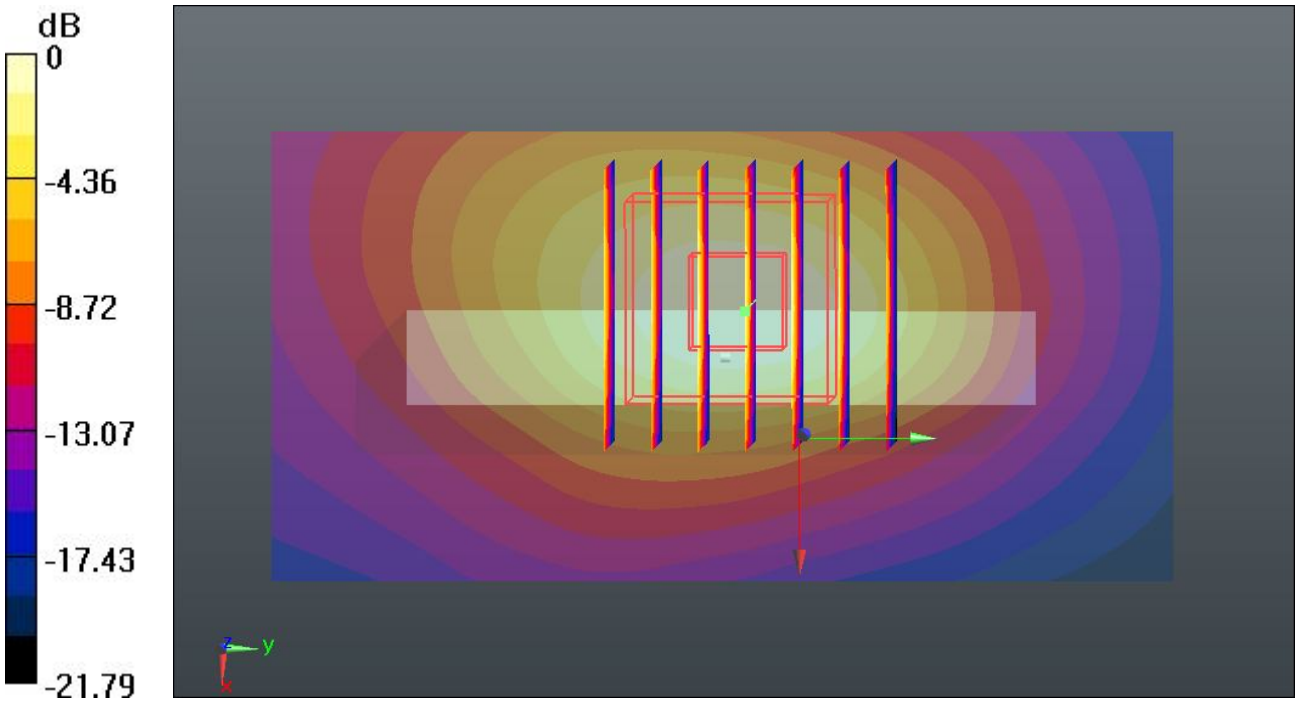
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (41x81x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.947 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.737 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.232 mW/g
SAR(1 g) = 0.608 mW/g; SAR(10 g) = 0.289 mW/g
Maximum value of SAR (measured) = 0.913 W/kg



0 dB = 0.913 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#215 LTE Band 7_QPSK 50RB 0offset_Back_1cm_Ch21020_Battery #1

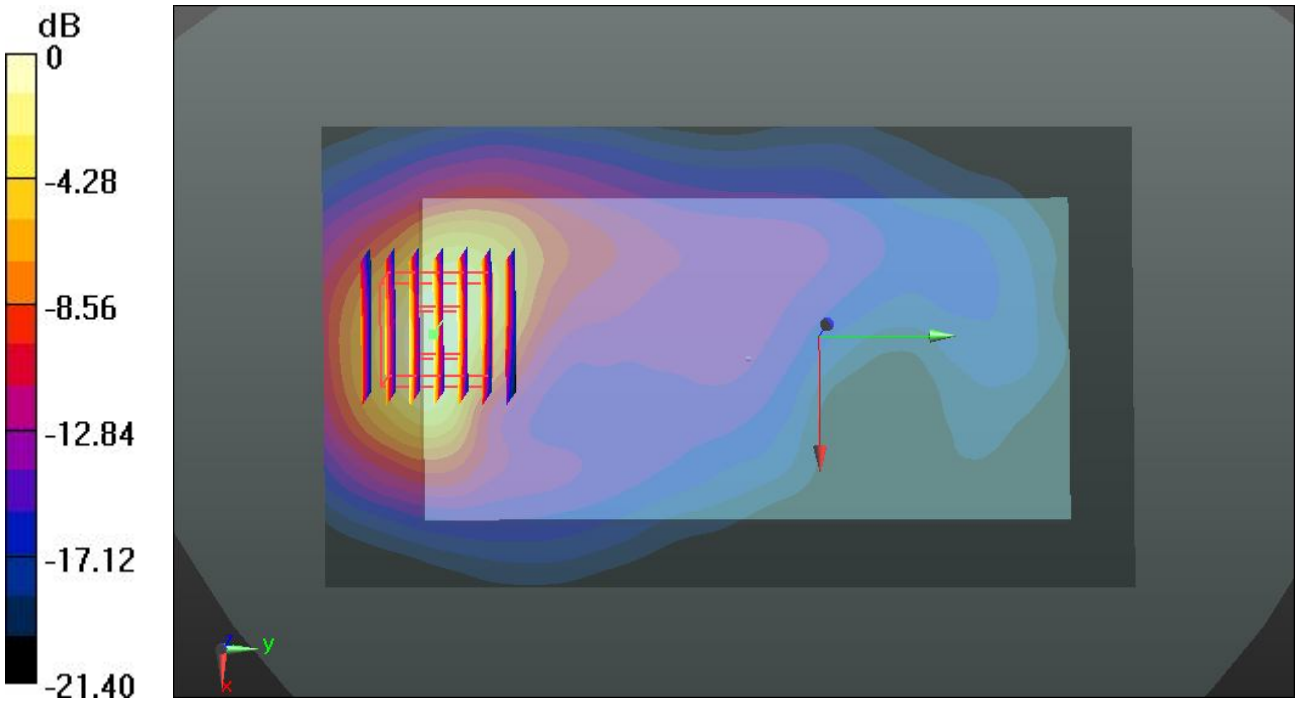
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2527 MHz; σ = 2.077 mho/m; ε_r = 53.931; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.50 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.909 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.869 mW/g
SAR(1 g) = 0.949 mW/g; SAR(10 g) = 0.451 mW/g
Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.40 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#216 LTE Band 7_QPSK 50RB 0offset_Back_1cm_Ch21020_Battery #2

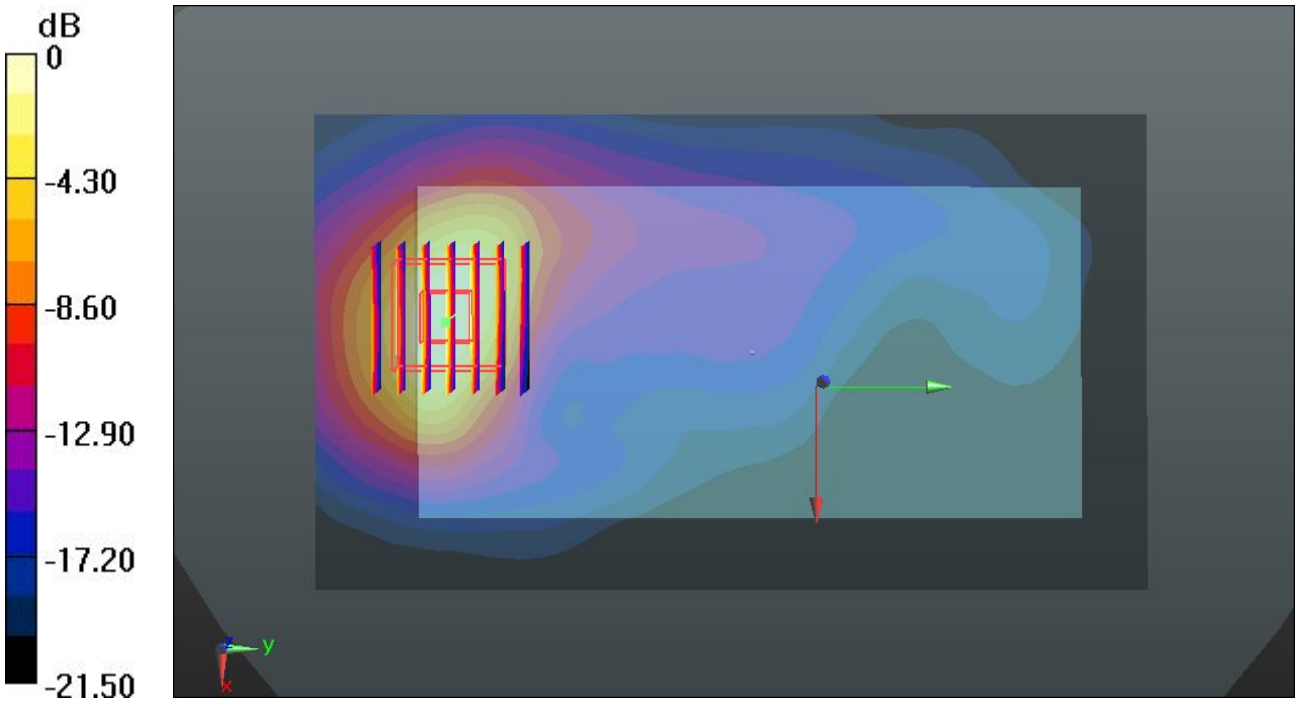
DUT: 340403-01

Communication System: LTE; Frequency: 2527 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2527 MHz; σ = 2.077 mho/m; ε_r = 53.931; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch21020/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.42 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.849 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.784 mW/g
SAR(1 g) = 0.910 mW/g; SAR(10 g) = 0.434 mW/g
Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#225 LTE Band 7_QPSK 50RB 0offset_Back_1cm_Ch20890_Battery #2

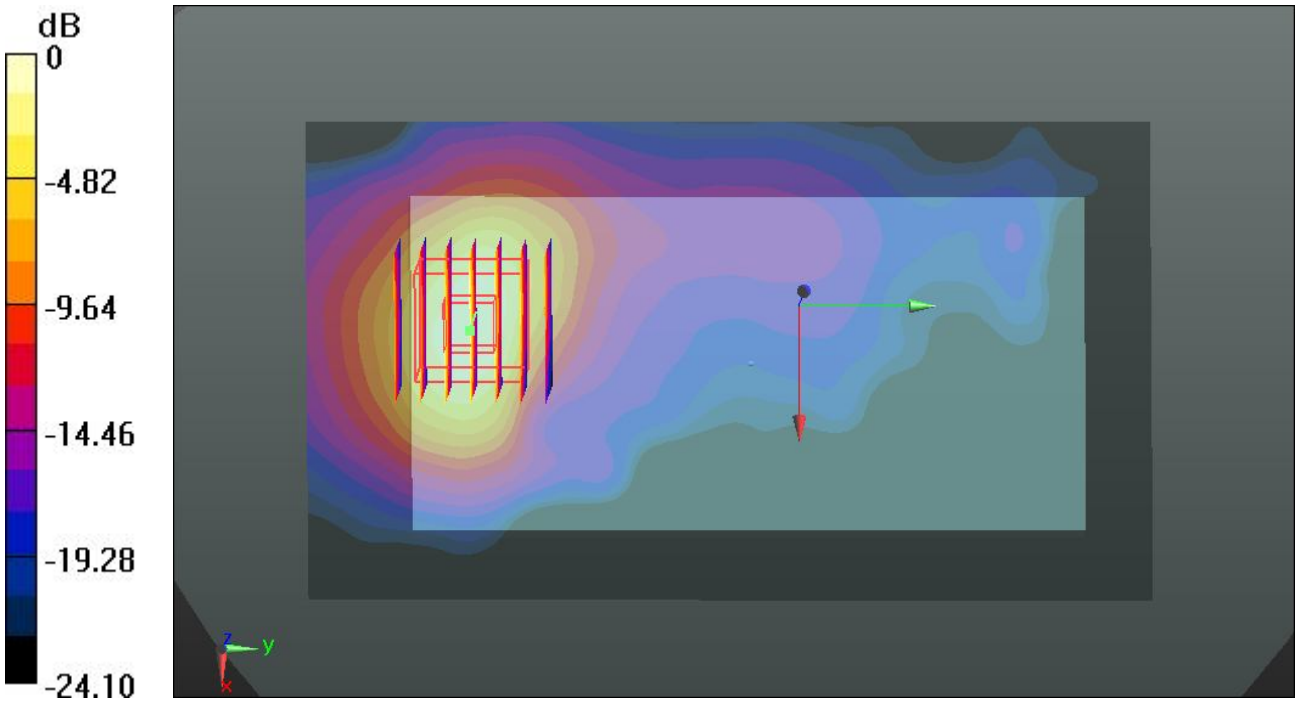
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.894; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.30 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.660 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.772 mW/g
SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.427 mW/g
Maximum value of SAR (measured) = 1.36 W/kg



0 dB = 1.36 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#217 LTE Band 7_QPSK 100RB 0offset_Front_1cm_Ch20890_Battery #1

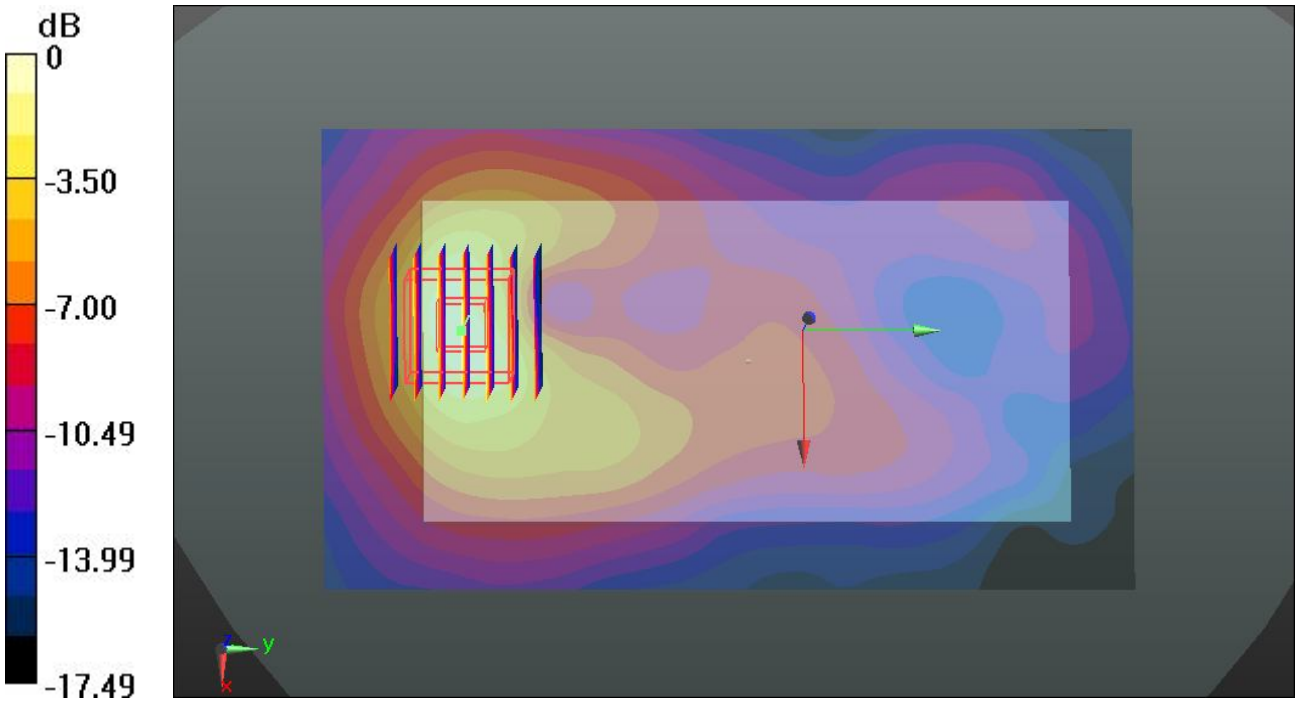
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.264 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.889 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.369 mW/g
SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.095 mW/g
Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.277 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#218 LTE Band 7_QPSK 100RB 0offset_Back_1cm_Ch20890_Battery #1

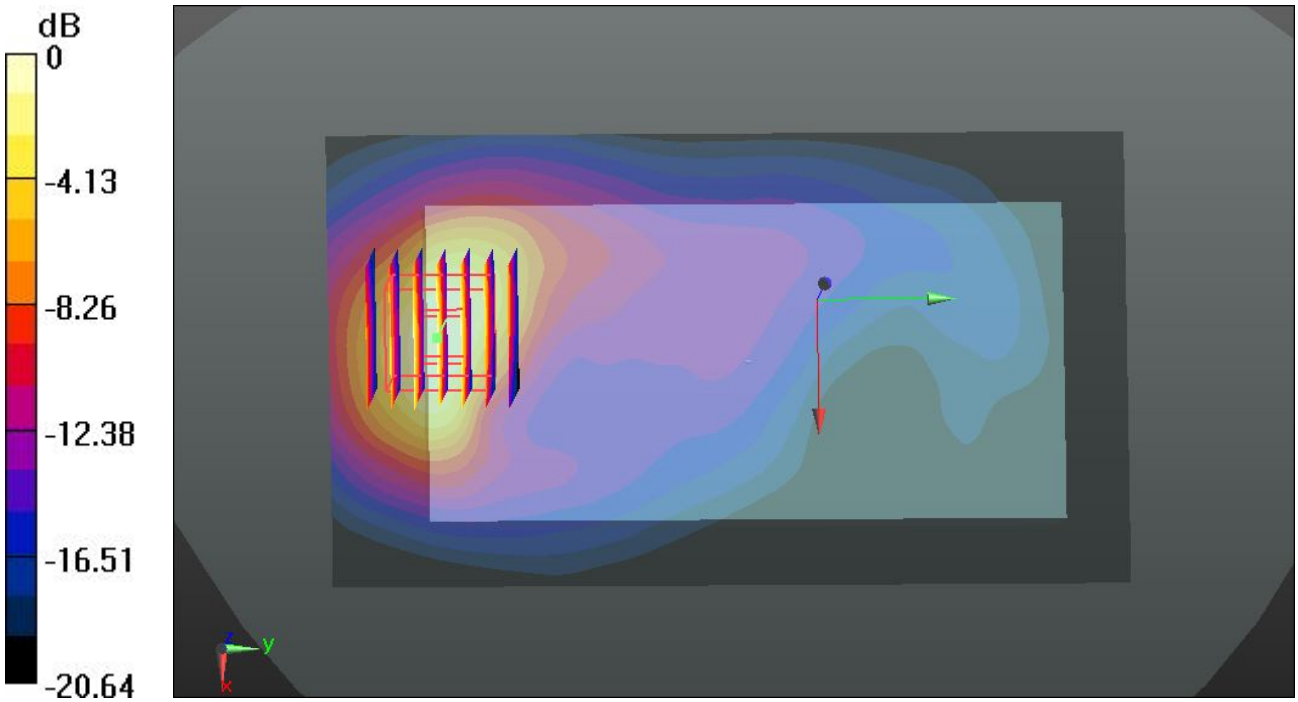
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.988 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.738 mW/g
SAR(1 g) = 0.954 mW/g; SAR(10 g) = 0.477 mW/g
Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#219 LTE Band 7_QPSK 100RB 0offset_Left Side_1cm_Ch20890_Battery #1

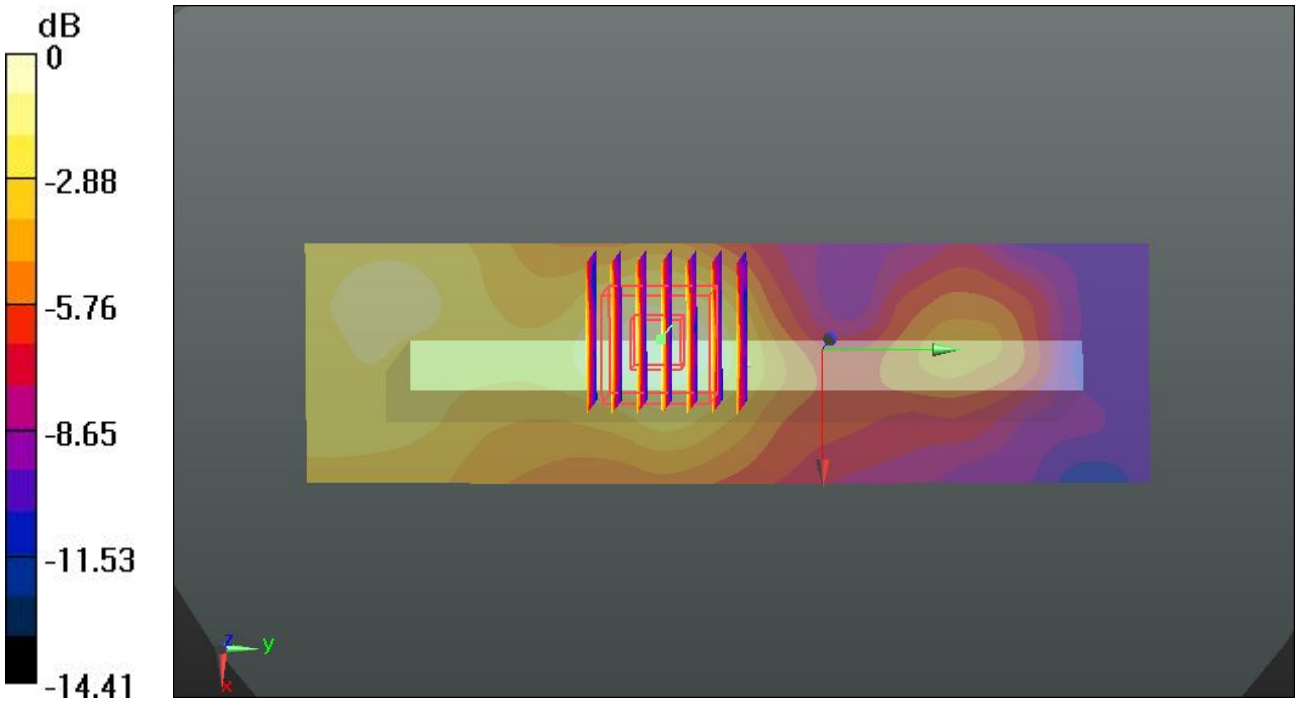
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (41x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0542 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.418 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.071 mW/g
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.0550 W/kg



0 dB = 0.0550 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#220 LTE Band 7_QPSK 100RB 0offset_Right Side_1cm_Ch20890_Battery #1

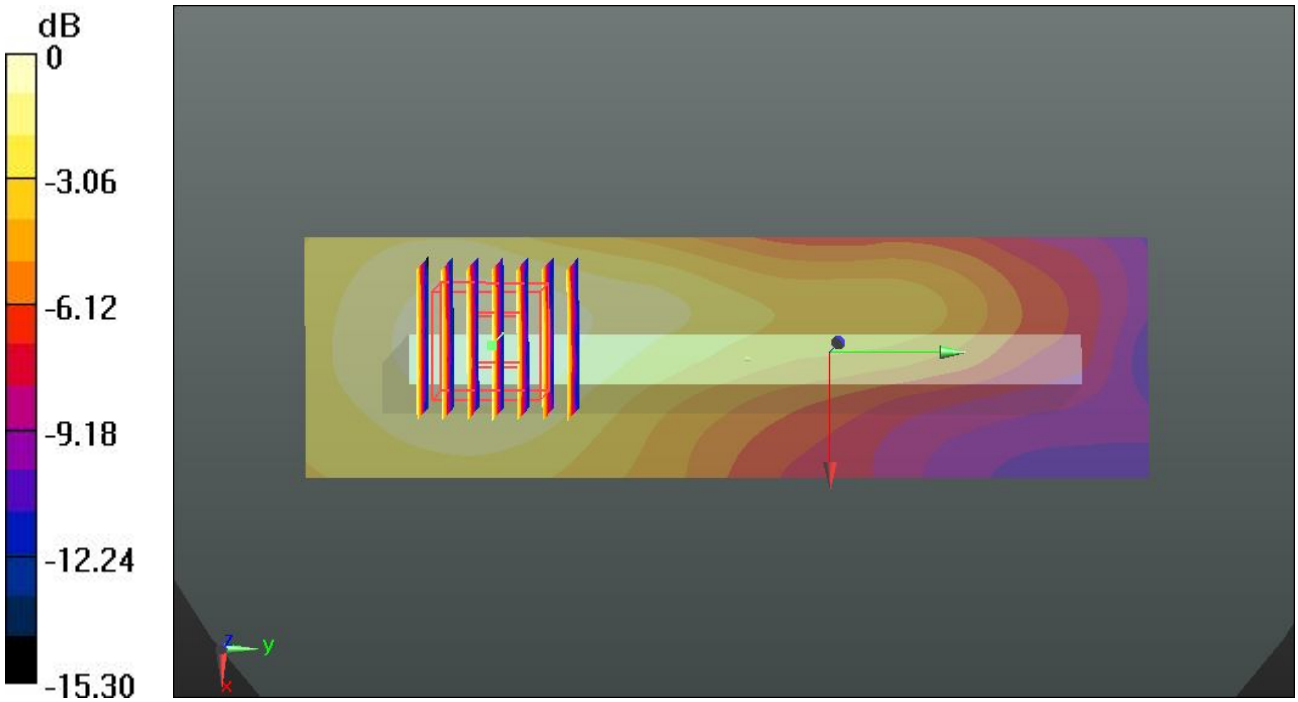
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (41x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0857 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.009 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.111 mW/g
SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.0857 W/kg



0 dB = 0.0857 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#221 LTE Band 7_QPSK 100RB 0offset_Bottom Side_1cm_Ch20890_Battery #1

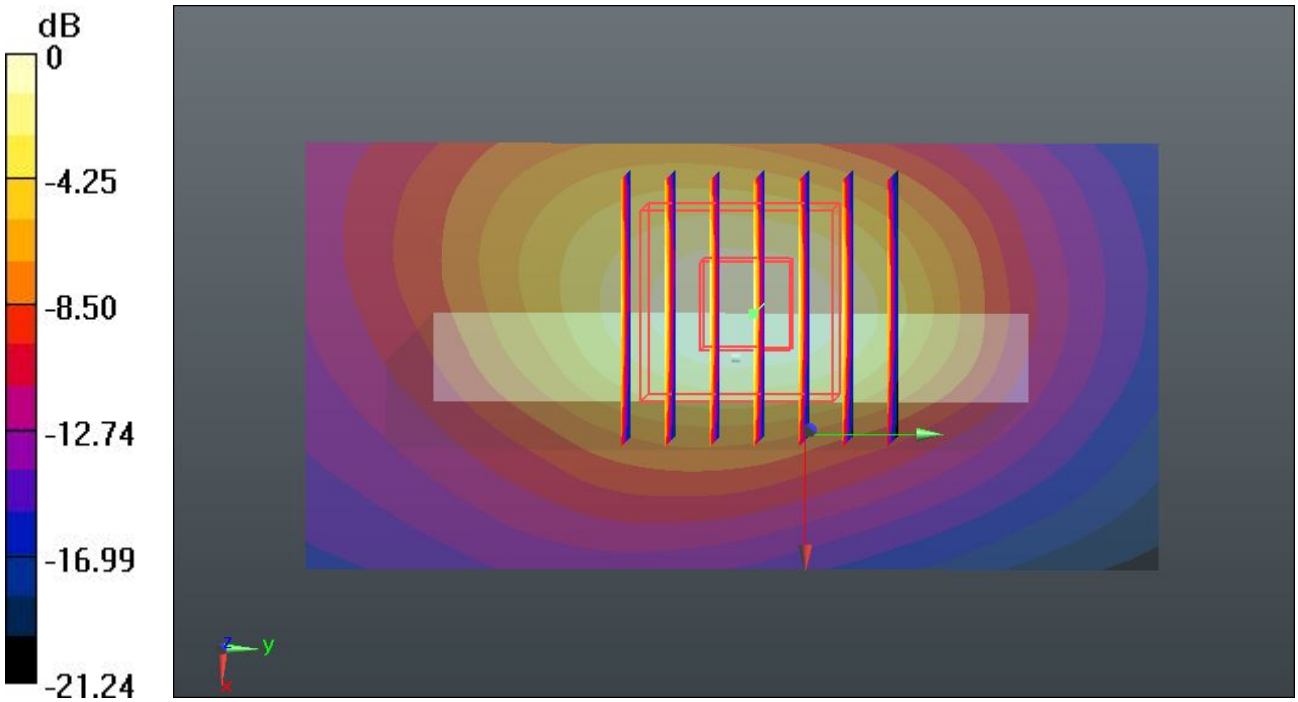
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (41x81x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.976 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.878 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.272 mW/g
SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.301 mW/g
Maximum value of SAR (measured) = 0.940 W/kg



0 dB = 0.940 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.05

#223 LTE Band 7_QPSK 100RB 0offset_Back_1cm_Ch20890_Battery #2

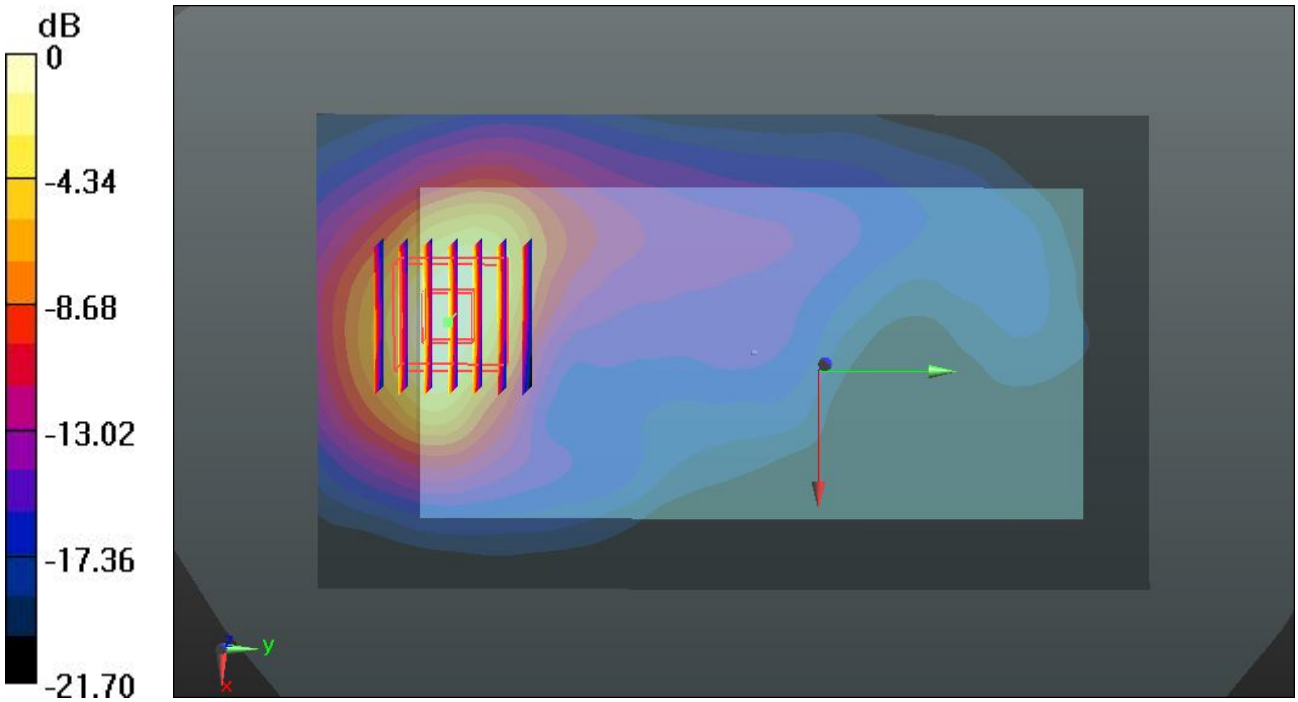
DUT: 340403-01

Communication System: LTE; Frequency: 2514 MHz;Duty Cycle: 1:1
Medium: MSL_2600_130905 Medium parameters used: f = 2514 MHz; σ = 2.063 mho/m; ε_r = 53.984; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; 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 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20890/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.891 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.838 mW/g
SAR(1 g) = 0.931 mW/g; SAR(10 g) = 0.446 mW/g
Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#33 WLAN 2.4GHz_802.11b_Front_1cm_Ch11_Battery #1

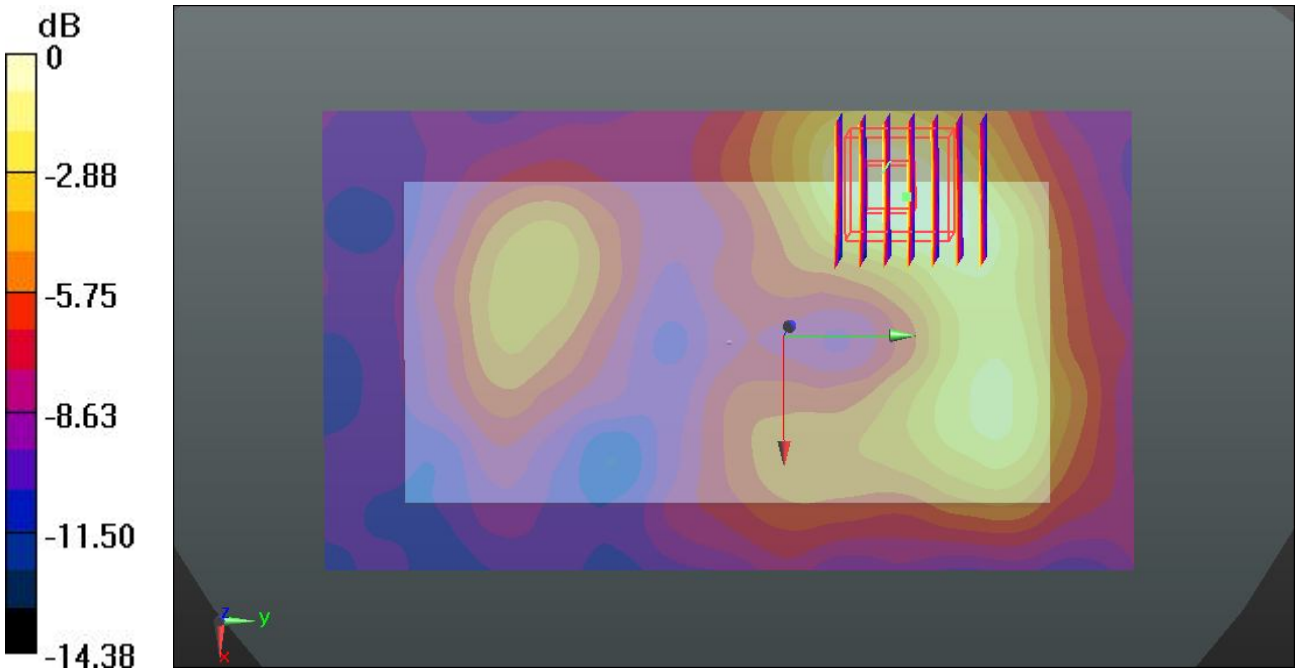
DUT: 340403-01

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: MSL_2450_130827 Medium parameters used: f = 2462 MHz; σ = 1.964 mho/m; ε_r = 51.623; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0482 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.860 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.065 mW/g
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.0482 W/kg



0 dB = 0.0482 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#34 WLAN 2.4GHz_802.11b_Back_1cm_Ch11_Battery #1

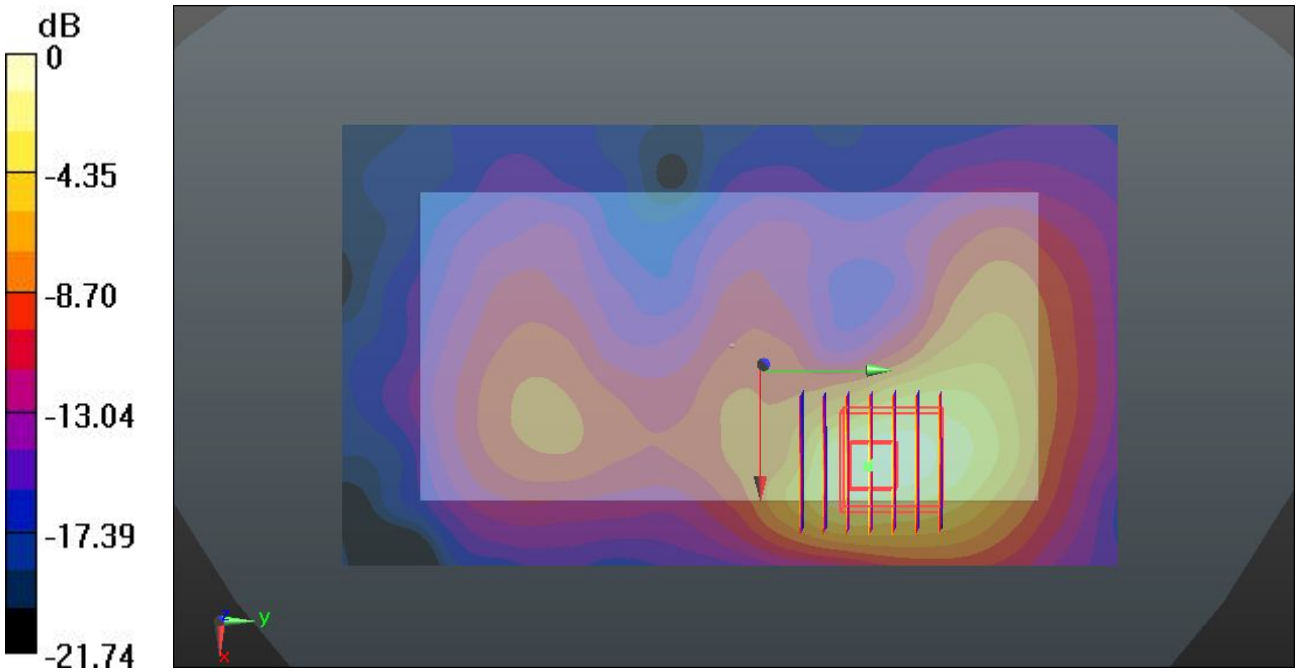
DUT: 340403-01

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: MSL_2450_130827 Medium parameters used: f = 2462 MHz; σ = 1.964 mho/m; ε_r = 51.623; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.242 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.437 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.353 mW/g
SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.259 W/kg



0 dB = 0.259 W/kg

#35 WLAN 2.4GHz_802.11b_Left Side_1cm_Ch11_Battery #1

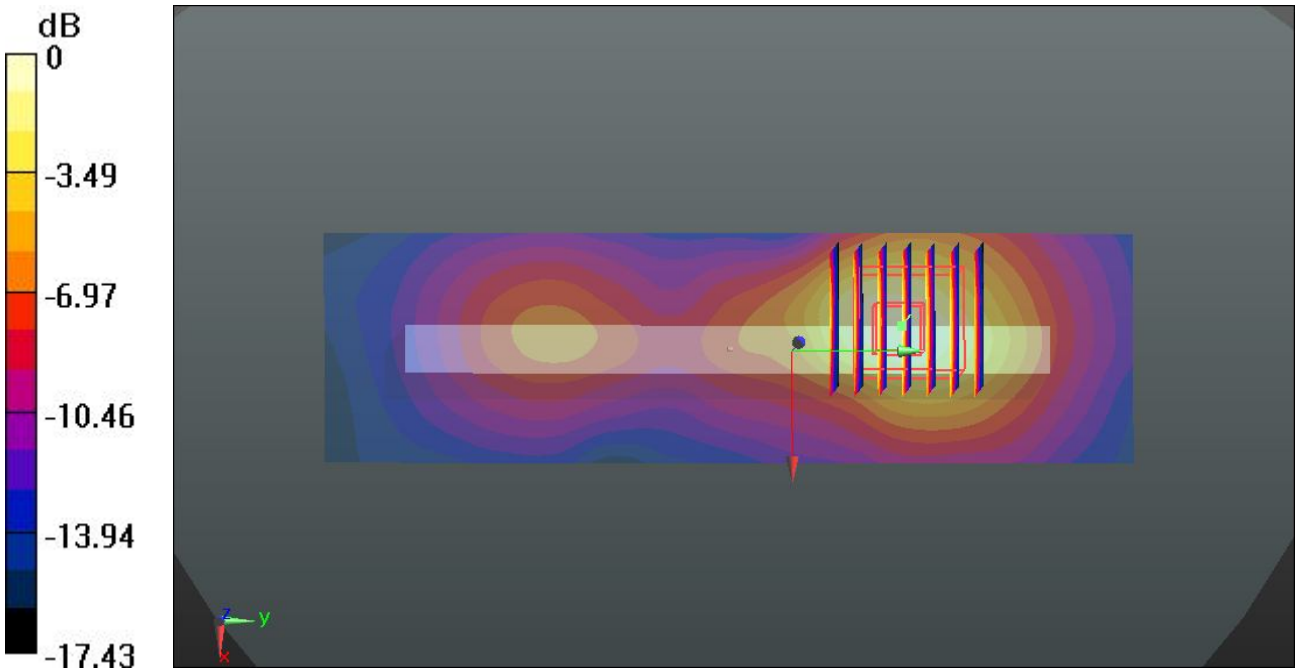
DUT: 340403-01

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: MSL_2450_130827 Medium parameters used: f = 2462 MHz; σ = 1.964 mho/m; ε_r = 51.623; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (41x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.227 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.681 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.297 mW/g
SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.075 mW/g
Maximum value of SAR (measured) = 0.220 W/kg



0 dB = 0.220 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#37 WLAN 2.4GHz_802.11b_Back_1cm_Ch11_Battery #2

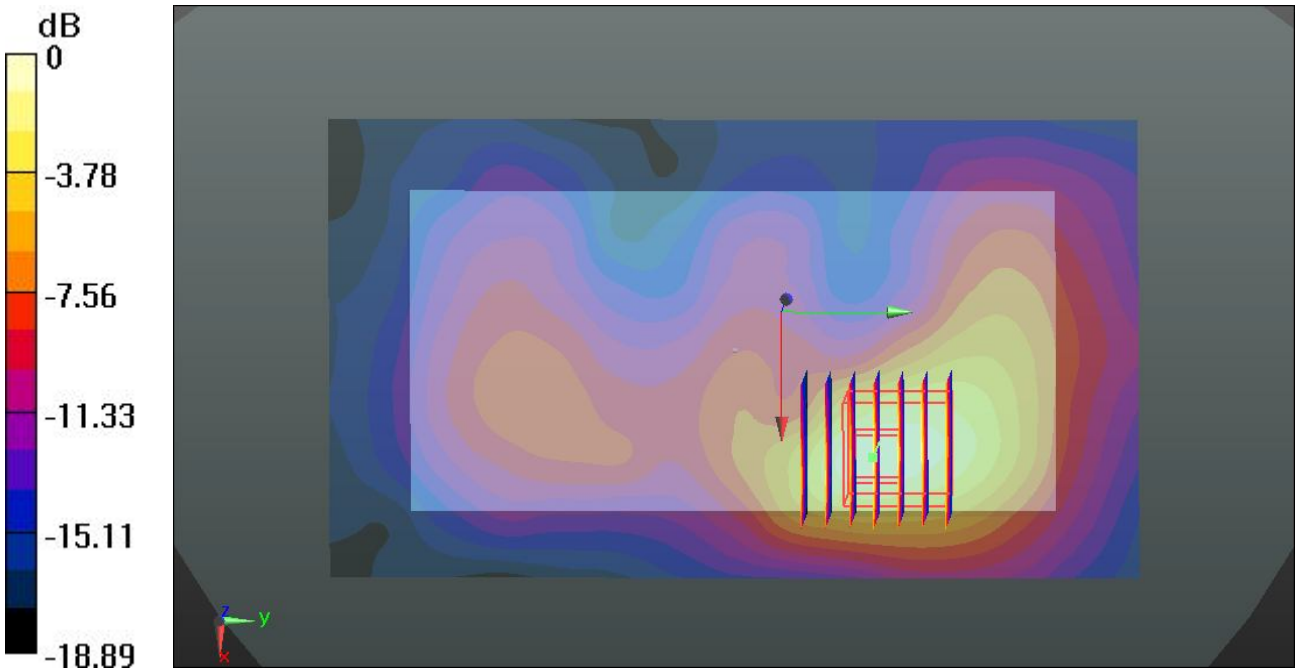
DUT: 340403-01

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1.024
Medium: MSL_2450_130827 Medium parameters used: f = 2462 MHz; σ = 1.964 mho/m; ε_r = 51.623; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch11/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.249 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.877 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.330 mW/g
SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.243 W/kg



0 dB = 0.243 W/kg

#53 WLAN 5.2GHz_802.11a 6Mbps_Front_1cm_Ch48_Battery #1

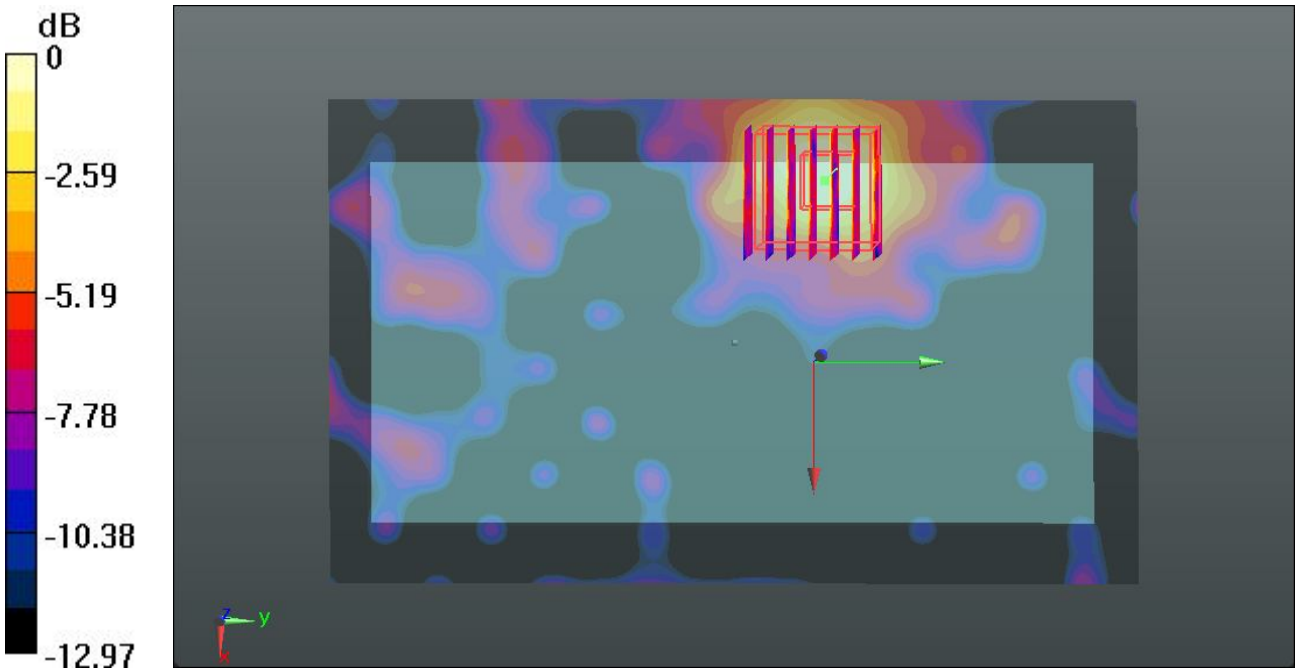
DUT: 340403-01

Communication System: WIFI; Frequency: 5240 MHz;Duty Cycle: 1:1.153
Medium: MSL_5240_130827 Medium parameters used: f = 5240 MHz; σ = 5.339 mho/m; ε_r = 48.474; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch48/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0827 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.492 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.120 mW/g
SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.0818 W/kg



0 dB = 0.0818 W/kg

#54 WLAN 5.2GHz_802.11a 6Mbps_Back_1cm_Ch48_Battery #1

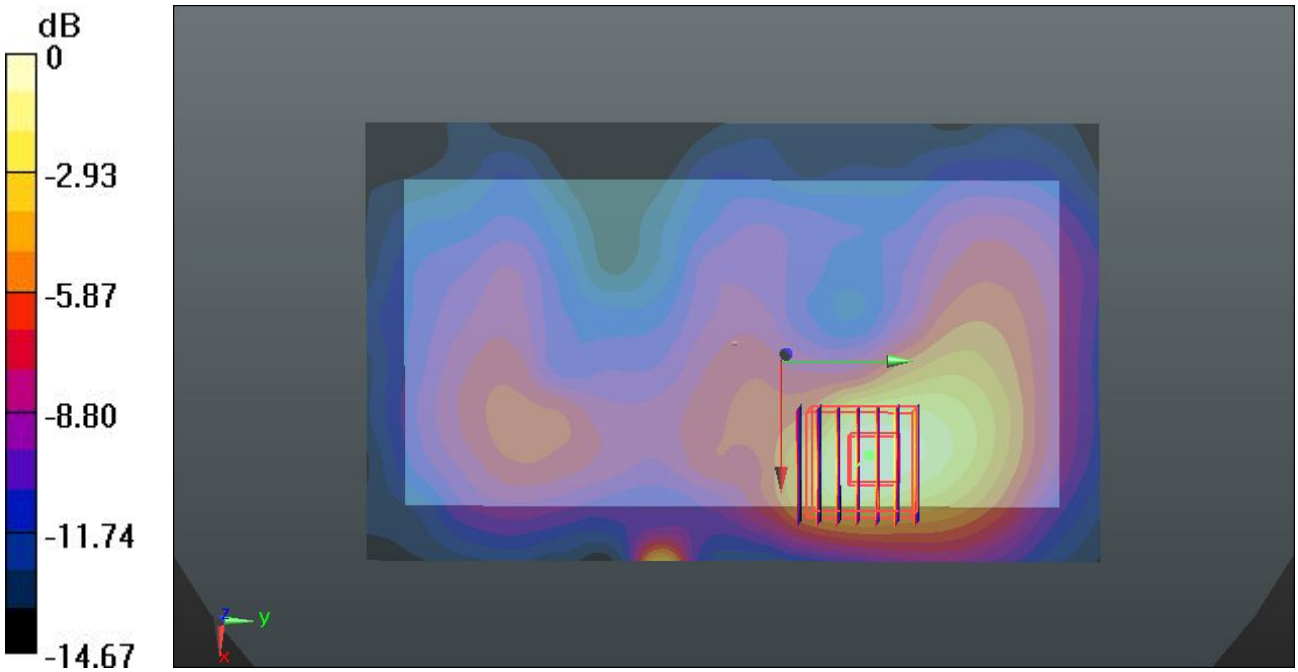
DUT: 340403-01

Communication System: WIFI; Frequency: 5240 MHz;Duty Cycle: 1:1.153
Medium: MSL_5240_130827 Medium parameters used: f = 5240 MHz; σ = 5.339 mho/m; ε_r = 48.474; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch48/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.542 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.928 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.605 mW/g
SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.497 W/kg



0 dB = 0.497 W/kg

#55 WLAN 5.2GHz_802.11a 6Mbps_Back_1cm_Ch48_Battery #2

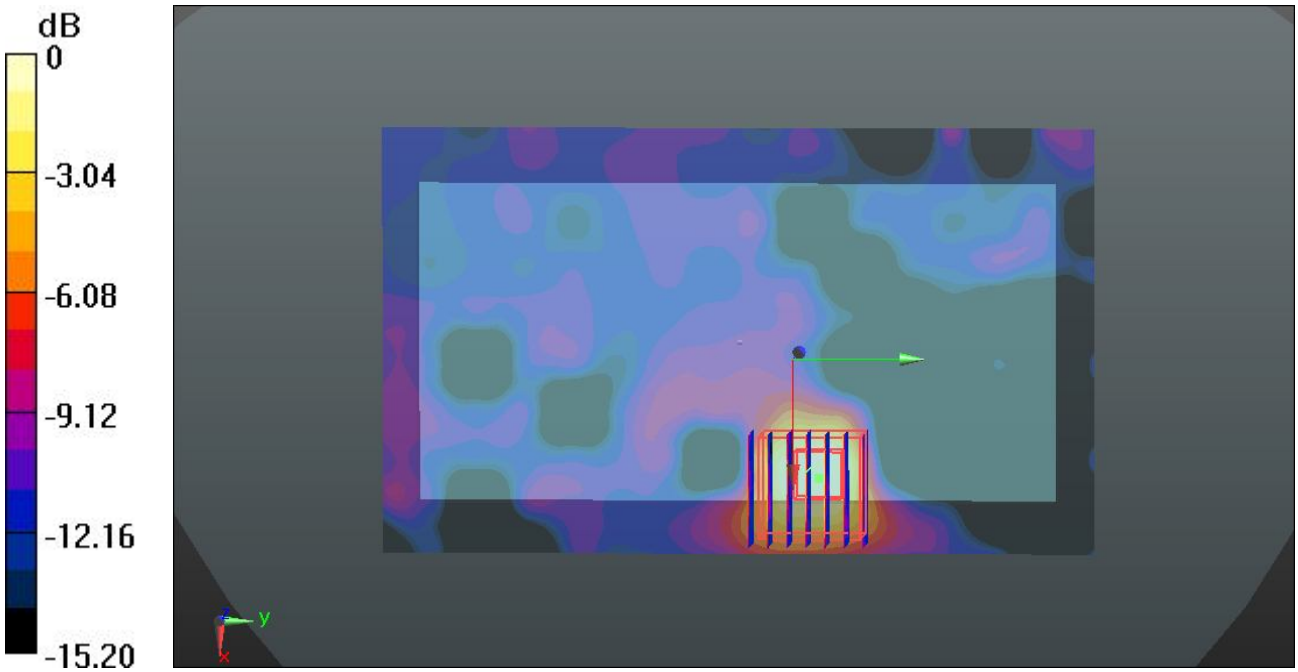
DUT: 340403-01

Communication System: WIFI; Frequency: 5240 MHz;Duty Cycle: 1:1.153
Medium: MSL_5240_130827 Medium parameters used: f = 5240 MHz; σ = 5.339 mho/m; ε_r = 48.474; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch48/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.254 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 7.284 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.390 mW/g
SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.033 mW/g
Maximum value of SAR (measured) = 0.215 W/kg



0 dB = 0.215 W/kg

#261 WLAN 5.3GHz_802.11a 6Mbps_Front_1cm_Ch64_Battery #1

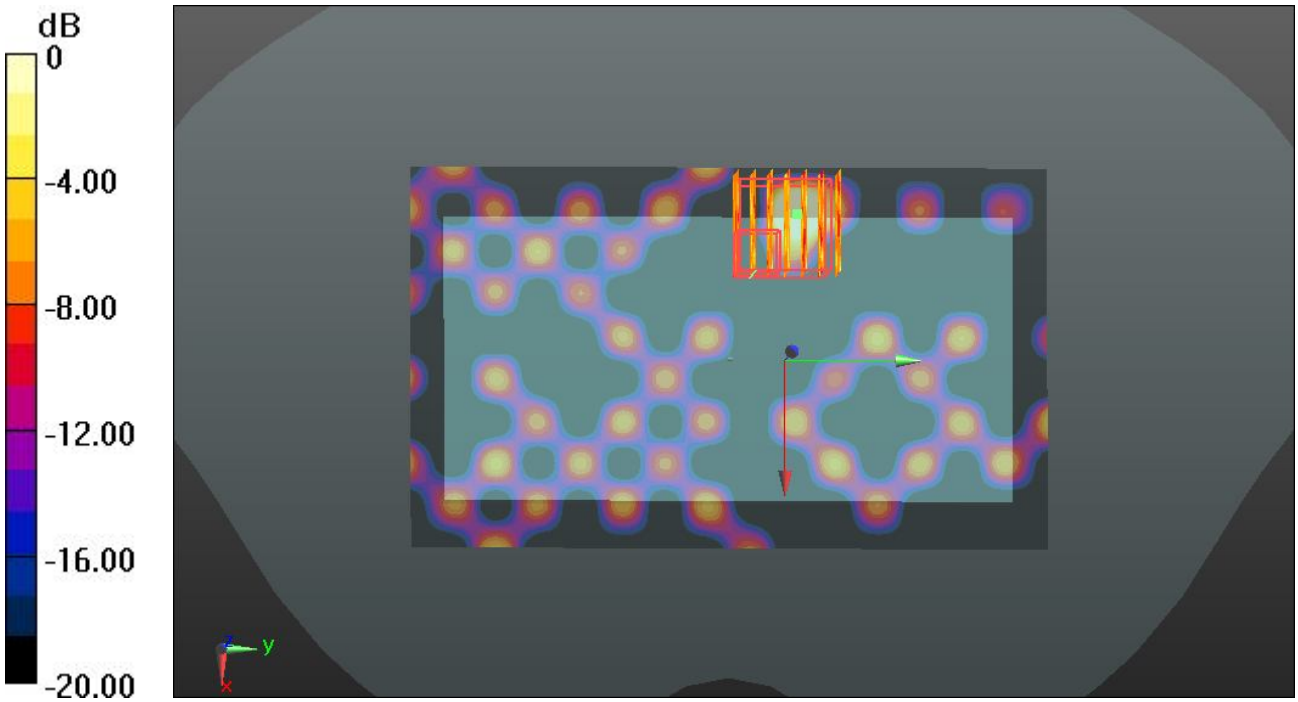
DUT: 340403-01

Communication System: WIFI; Frequency: 5320 MHz;Duty Cycle: 1:1.153
Medium: MSL_5G_130913 Medium parameters used: f = 5320 MHz; σ = 5.428 mho/m; ε_r = 48.934; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.31, 4.31, 4.31); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.414 W/kg

Ch64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 2.221 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.086 mW/g
SAR(1 g) = 0.00295 mW/g; SAR(10 g) = 0.00142 mW/g
Maximum value of SAR (measured) = 0.0647 W/kg



0 dB = 0.0647 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.13

#262 WLAN 5.3GHz_802.11a 6Mbps_Back_1cm_Ch64_Battery #1

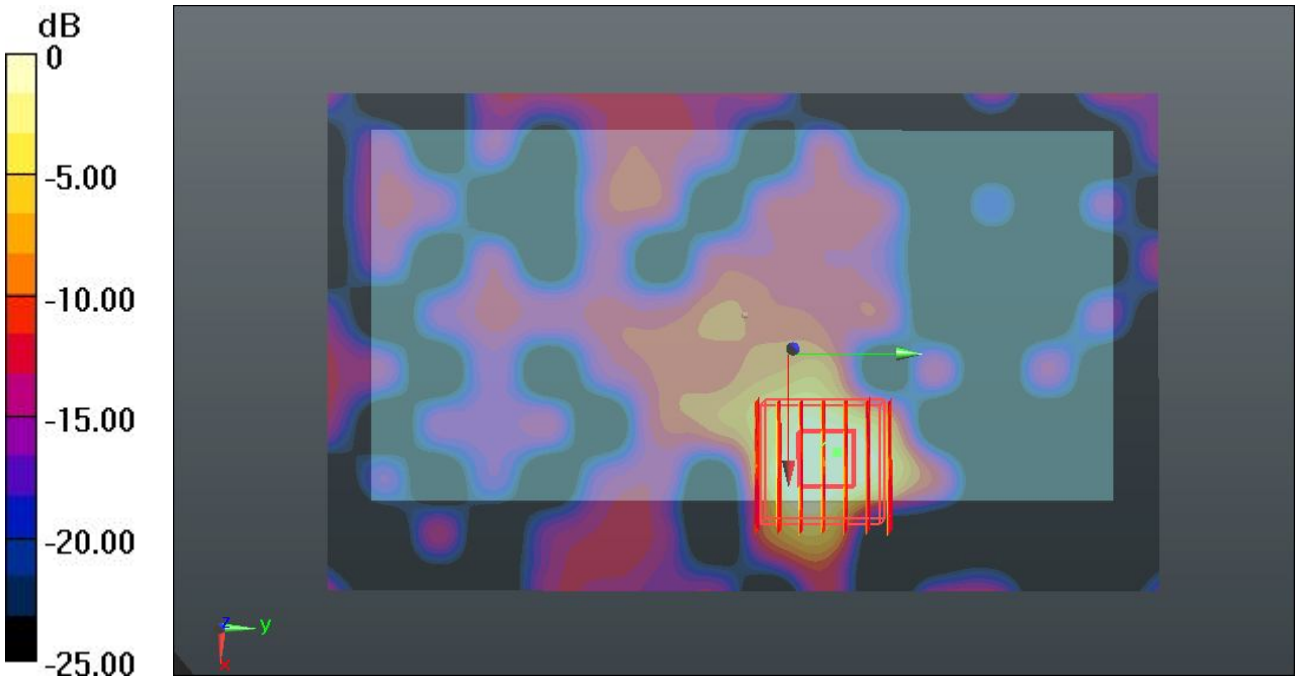
DUT: 340403-01

Communication System: WIFI; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: MSL_5G_130913 Medium parameters used: f = 5320 MHz; σ = 5.428 mho/m; ε_r = 48.934; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.31, 4.31, 4.31); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch64/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.293 W/kg

Ch64/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 6.826 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.314 mW/g
SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.193 W/kg



0 dB = 0.193 W/kg

#271 WLAN 5.3GHz_802.11a 6Mbps_Back_1cm_Ch64_Battery #2

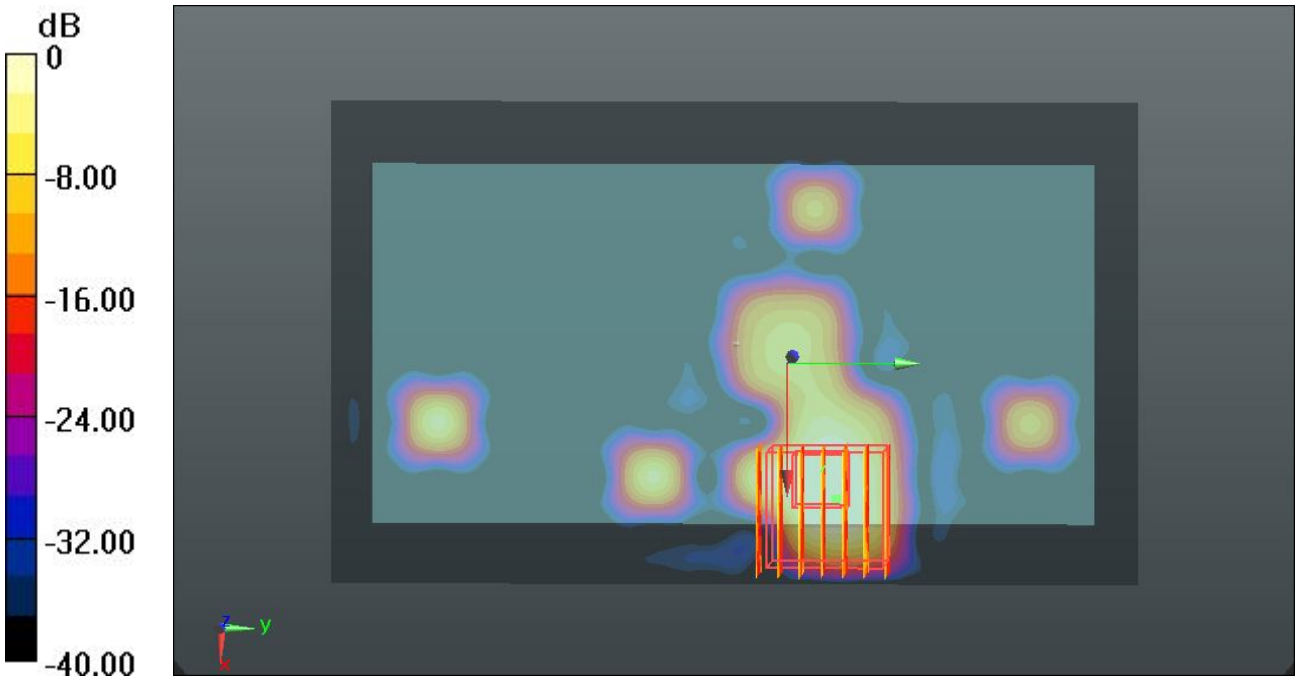
DUT: 340403-01

Communication System: WIFI; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: MSL_5G_130913 Medium parameters used: f = 5320 MHz; σ = 5.434 mho/m; ε_r = 48.032; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.31, 4.31, 4.31); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Configuration/Ch140/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.41 W/kg

Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 6.316 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.406 mW/g
SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg

#266 WLAN 5.5GHz_802.11a 6Mbps_Front_1cm_Ch140_Battery #1

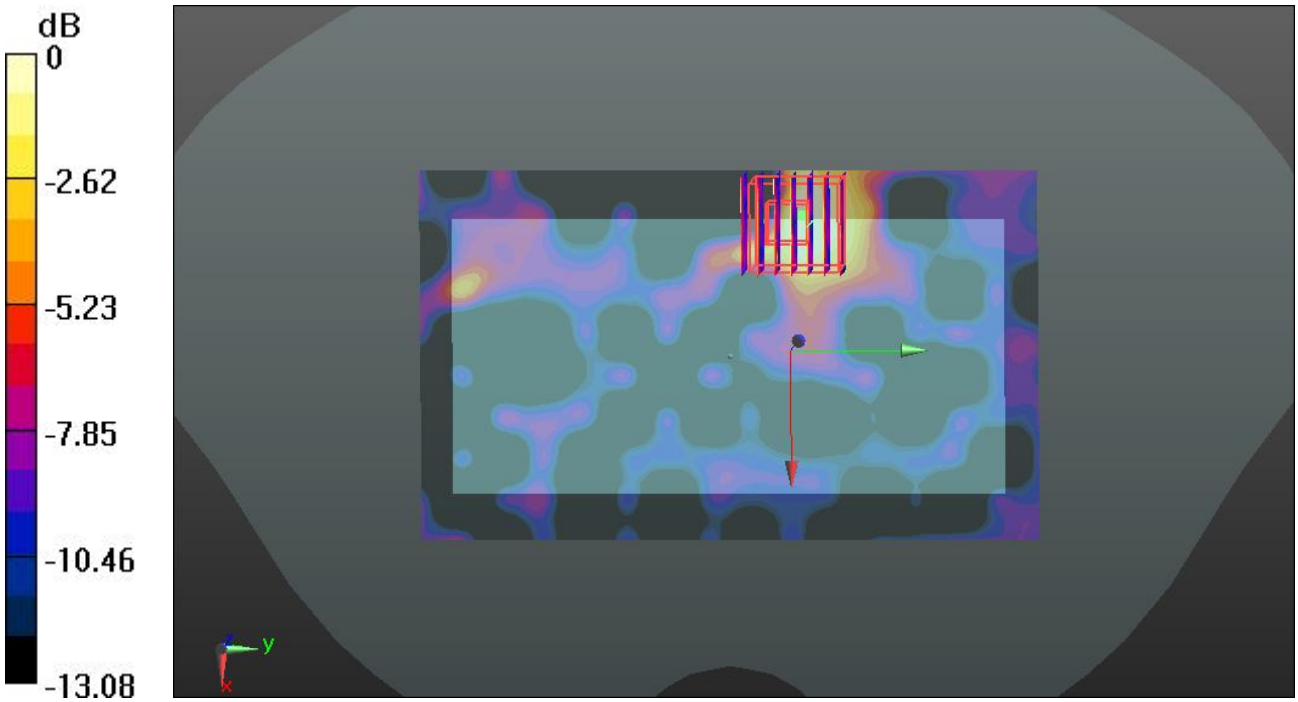
DUT: 340403-01

Communication System: WIFI; Frequency: 5700 MHz;Duty Cycle: 1:1.153
Medium: MSL_5G_130913 Medium parameters used: f = 5700 MHz; σ = 6.007 mho/m; ε_r = 48.217; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(3.86, 3.86, 3.86); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch140/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.186 W/kg

Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.223 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.235 mW/g
SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.13

#267 WLAN 5.5GHz_802.11a 6Mbps_Back_1cm_Ch140_Battery #1

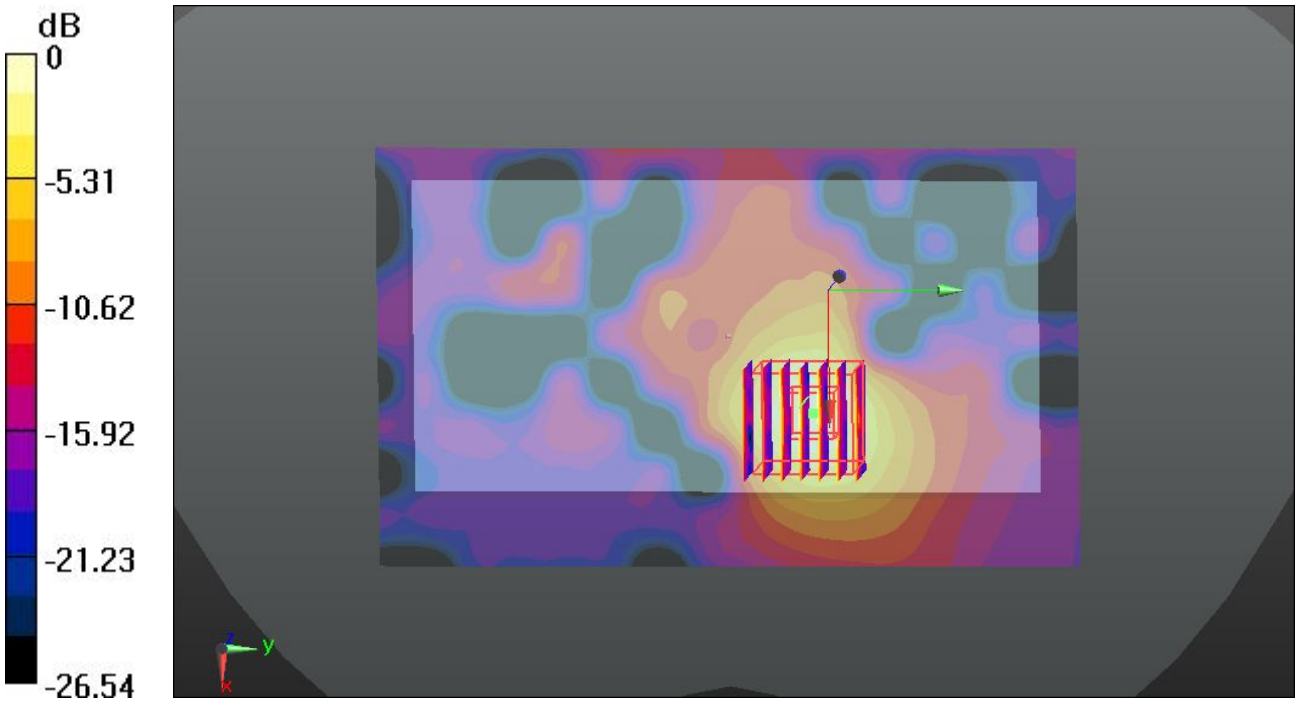
DUT: 340403-01

Communication System: WIFI; Frequency: 5700 MHz;Duty Cycle: 1:1.153
Medium: MSL_5G_130913 Medium parameters used: f = 5700 MHz; σ = 6.007 mho/m; ε_r = 48.217; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(3.86, 3.86, 3.86); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch140/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 15.532 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.588 mW/g
SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.09.13

#272 WLAN 5.5GHz_802.11a 6Mbps_Back_1cm_Ch140_Battery #2

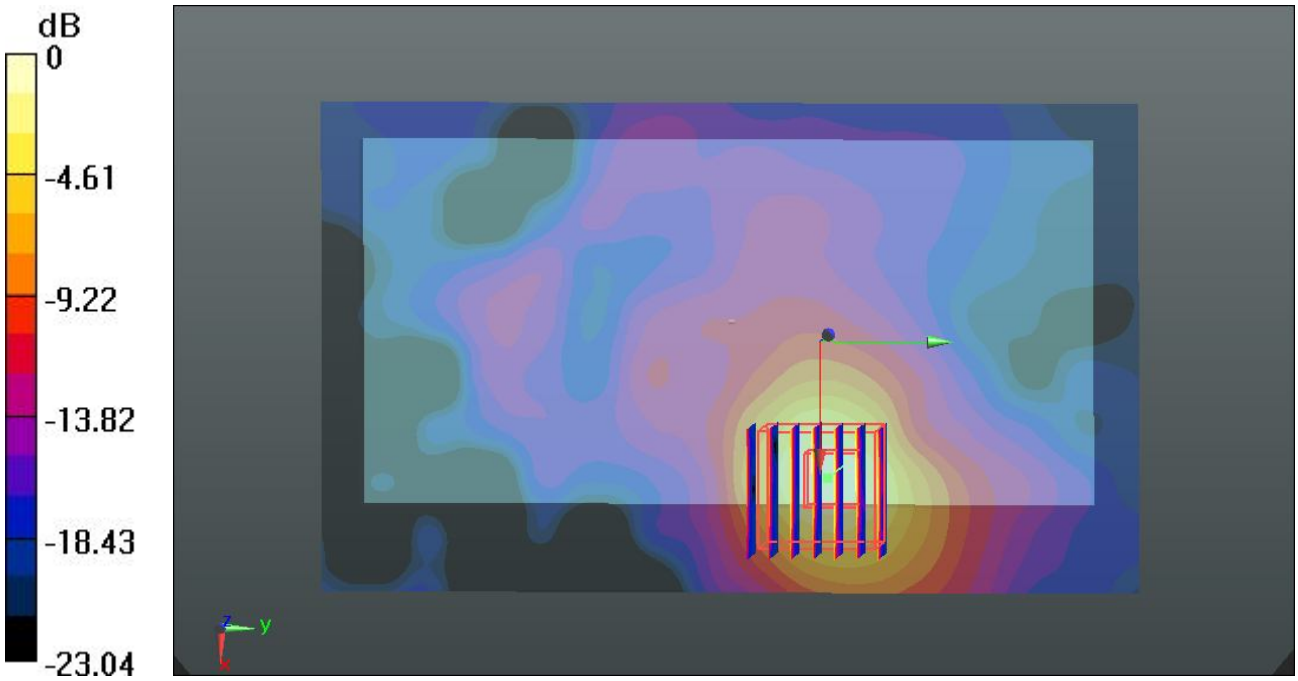
DUT: 340403-01

Communication System: WIFI; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: MSL_5G_130913 Medium parameters used: f = 5700 MHz; σ = 6.007 mho/m; ε_r = 48.217; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(3.86, 3.86, 3.86); Calibrated: 2012.11.26;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 2012.11.22
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch140/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Ch140/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 15.503 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.724 mW/g
SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.146 mW/g
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#56 WLAN 5.8GHz_802.11a 6Mbps_Front_1cm_Ch161_Battery #1

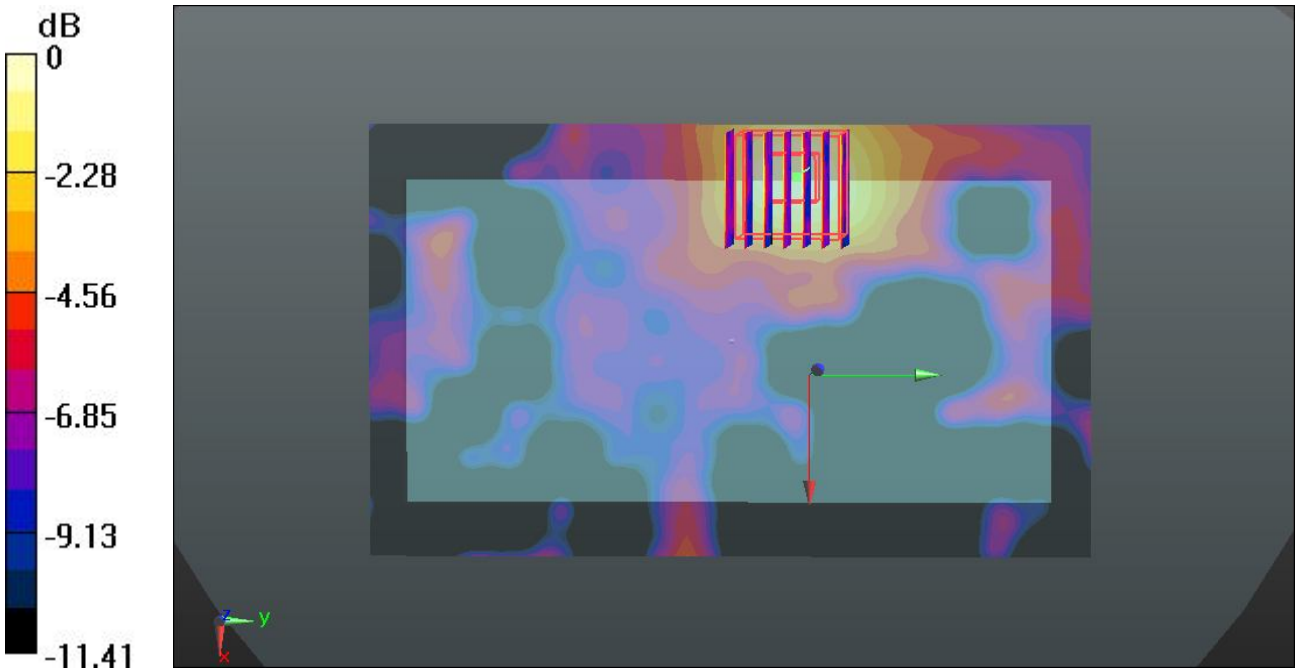
DUT: 340403-01

Communication System: WIFI; Frequency: 5805 MHz;Duty Cycle: 1:1.146
Medium: MSL_5805_130827 Medium parameters used: f = 5805 MHz; σ = 6.121 mho/m; ε_r = 47.135; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch161/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.118 W/kg

Ch161/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.039 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.204 mW/g
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.117 W/kg



0 dB = 0.117 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#57 WLAN 5.8GHz_802.11a 6Mbps_Back_1cm_Ch161_Battery #1

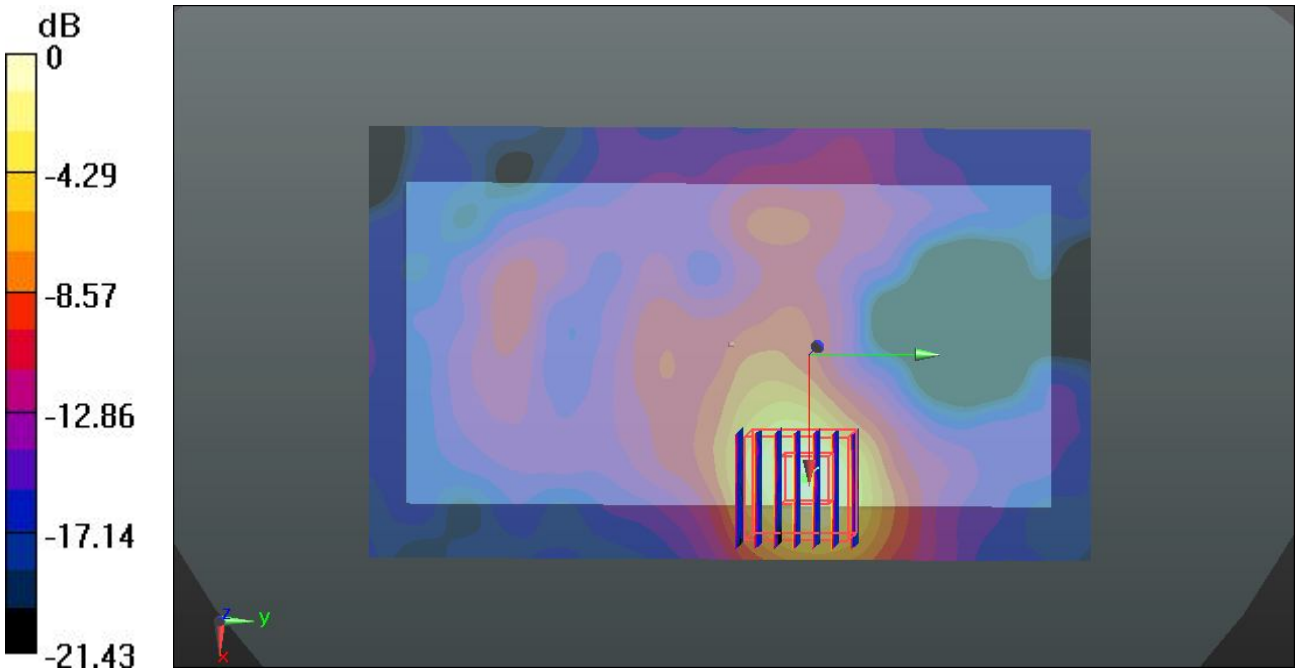
DUT: 340403-01

Communication System: WIFI; Frequency: 5805 MHz;Duty Cycle: 1:1.146
Medium: MSL_5805_130827 Medium parameters used: f = 5805 MHz; σ = 6.121 mho/m; ε_r = 47.135; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch161/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.949 W/kg

Ch161/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.535 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.563 mW/g
SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.916 W/kg



0 dB = 0.916 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#59 WLAN 5.8GHz_802.11a 6Mbps_Left Side_1cm_Ch161_Battery #1

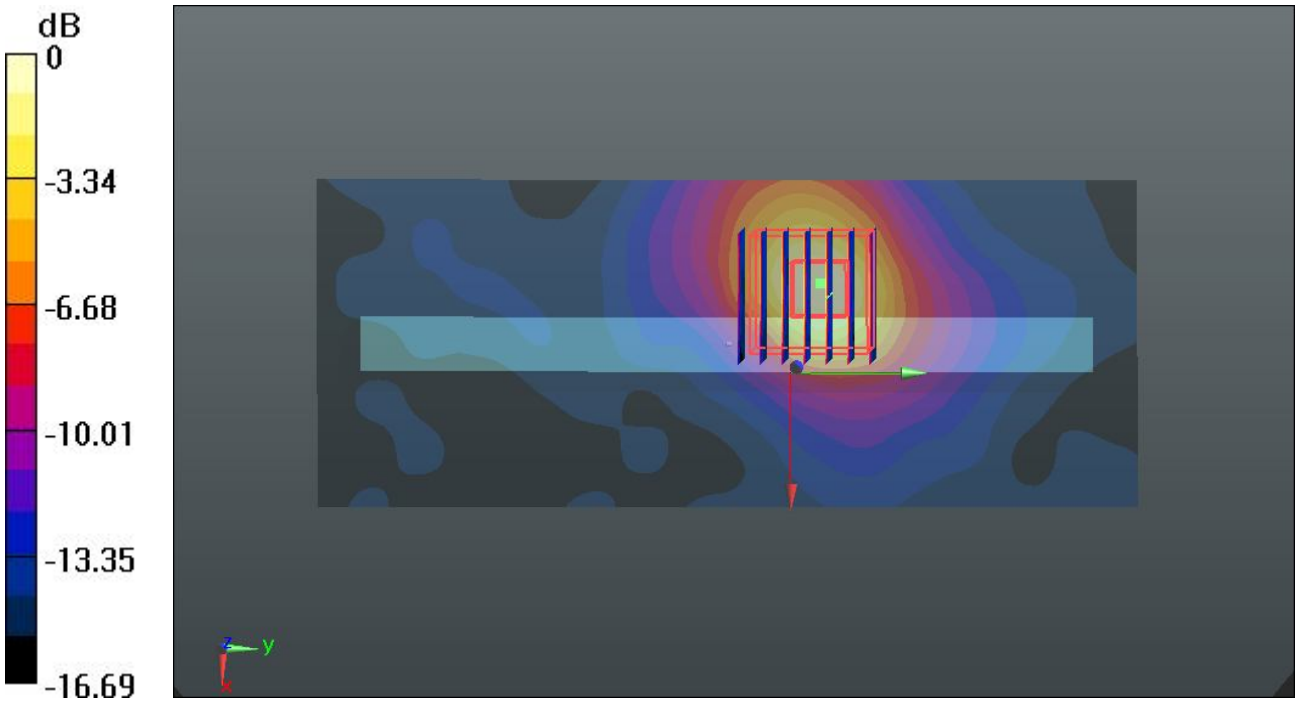
DUT: 340403-01

Communication System: WIFI; Frequency: 5805 MHz;Duty Cycle: 1:1.146
Medium: MSL_5805_130827 Medium parameters used: f = 5805 MHz; σ = 6.121 mho/m; ε_r = 47.135; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch161/Area Scan (61x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.11 W/kg

Ch161/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 15.487 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.761 mW/g
SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.112 mW/g
Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2013.08.27

#58 WLAN 5.8GHz_802.11a 6Mbps_Back_1cm_Ch161_Battery #2

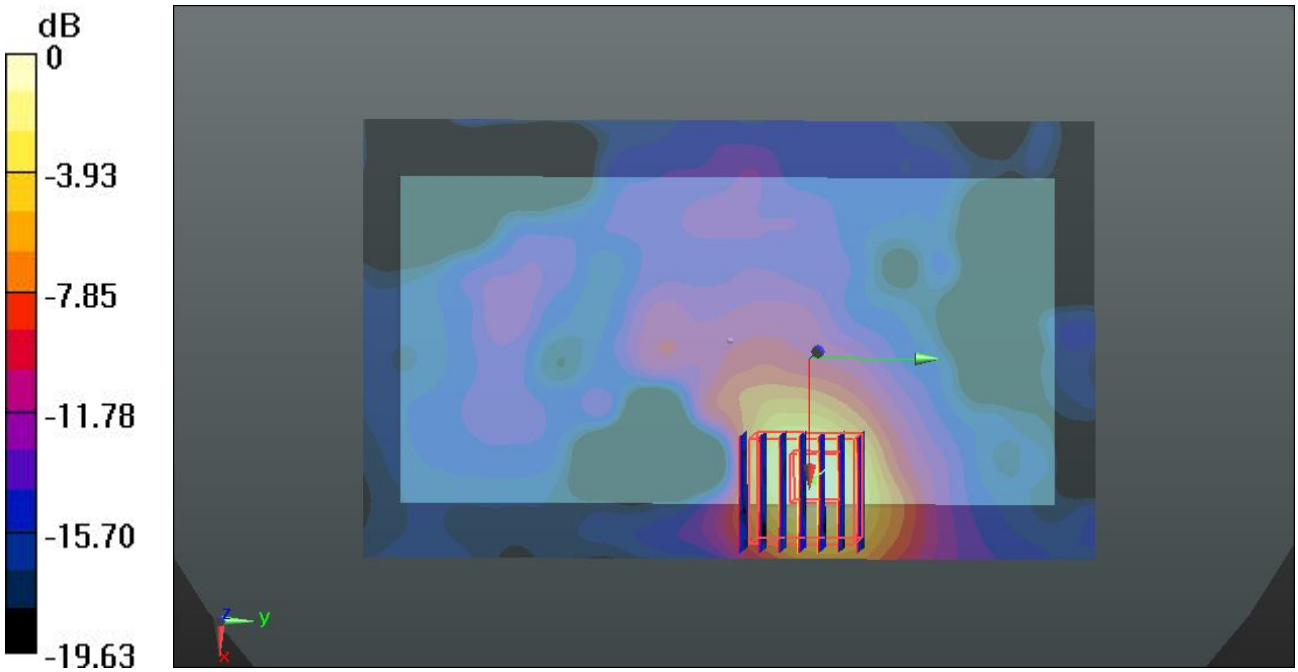
DUT: 340403-01

Communication System: WIFI; Frequency: 5805 MHz;Duty Cycle: 1:1.146
Medium: MSL_5805_130827 Medium parameters used: f = 5805 MHz; σ = 6.121 mho/m; ε_r = 47.135; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch161/Area Scan (91x151x1): Interpolated grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.908 W/kg

Ch161/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.049 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.459 mW/g
SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.127 mW/g
Maximum value of SAR (measured) = 0.885 W/kg



0 dB = 0.885 W/kg